

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124009.D
 Acq On : 20 May 2021 15:08
 Operator : JU/CG
 Sample : M2449-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-COMPOSITE-PILE-3

Integration Parameters: rteint.p

Integrator: RTE

Smoother: ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124009.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	4	9	14	rVB	496020	600643	48.45%	3.439%
2	2.252	23	28	35	rVB	35642	45890	3.70%	0.263%
3	5.116	511	515	521	rVB	53809	62328	5.03%	0.357%
4	5.516	578	583	586	rBV	1122696	1006533	81.19%	5.762%
5	6.528	750	755	758	rBV	1145136	1048063	84.54%	6.000%
6	6.728	786	789	795	rVB	30539	29186	2.35%	0.167%
7	6.904	816	819	822	rBV	407251	297104	23.96%	1.701%
8	7.463	910	914	917	rBV	815201	709980	57.27%	4.065%
9	8.187	1034	1037	1040	rBV	473253	391277	31.56%	2.240%
10	9.263	1216	1220	1223	rBV	1626545	1239768	100.00%	7.098%
11	9.539	1260	1267	1271	rBV3	91542	81676	6.59%	0.468%
12	9.581	1271	1274	1276	rBV2	25251	21827	1.76%	0.125%
13	9.604	1276	1278	1281	rVV3	66725	53598	4.32%	0.307%
14	9.657	1283	1287	1291	rVV	225627	201675	16.27%	1.155%
15	9.704	1291	1295	1299	rVB4	26072	29023	2.34%	0.166%
16	9.810	1306	1313	1317	rBV6	27320	51410	4.15%	0.294%
17	9.863	1318	1322	1326	rVB6	25013	39953	3.22%	0.229%
18	9.945	1332	1336	1339	rBV	643024	506122	40.82%	2.897%
19	9.975	1339	1341	1347	rVB4	59037	65905	5.32%	0.377%
20	10.039	1347	1352	1354	rBV2	43134	41213	3.32%	0.236%
21	10.063	1354	1356	1359	rVV3	34899	38782	3.13%	0.222%
22	10.098	1359	1362	1366	rVB4	29133	34129	2.75%	0.195%
23	10.145	1367	1370	1373	rVB	34576	27743	2.24%	0.159%
24	10.181	1373	1376	1380	rBV5	17279	17520	1.41%	0.100%
25	10.357	1401	1406	1407	rBV5	11792	17484	1.41%	0.100%
26	10.492	1426	1429	1432	rBV	41489	43216	3.49%	0.247%
27	10.622	1448	1451	1453	rBV3	20992	17641	1.42%	0.101%
28	10.733	1466	1470	1473	rBV	1003300	837220	67.53%	4.793%
29	10.857	1487	1491	1495	rVB5	36139	50113	4.04%	0.287%
30	11.057	1524	1525	1529	rBV3	14234	20074	1.62%	0.115%
31	11.233	1553	1555	1558	rVB2	30543	23620	1.91%	0.135%
32	11.292	1560	1565	1567	rBV5	20529	30085	2.43%	0.172%
33	11.327	1567	1571	1573	rBV2	27528	27233	2.20%	0.156%
34	11.433	1583	1589	1591	rBV	550089	466831	37.65%	2.673%
35	11.457	1591	1593	1596	rVV	249945	198283	15.99%	1.135%
36	11.486	1596	1598	1600	rVV2	41140	36800	2.97%	0.211%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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37	11.504	1600	1601	1604	rVV	56678	46887	3.78%	0.268%
38	11.539	1604	1607	1610	rVV5	31541	40374	3.26%	0.231%
39	11.569	1610	1612	1615	rVB3	35396	29373	2.37%	0.168%
40	11.657	1622	1627	1630	rBV5	33785	50098	4.04%	0.287%
41	11.886	1662	1666	1669	rBV5	31301	38785	3.13%	0.222%
42	11.933	1669	1674	1675	rBV2	57287	85593	6.90%	0.490%
43	11.957	1675	1678	1681	rVV2	181319	163103	13.16%	0.934%
44	12.045	1690	1693	1696	rBV3	73939	79390	6.40%	0.454%
45	12.110	1702	1704	1705	rBV	24447	20116	1.62%	0.115%
46	12.133	1705	1708	1714	rVV7	70487	123537	9.96%	0.707%
47	12.174	1714	1715	1719	rVV4	41770	40185	3.24%	0.230%
48	12.227	1719	1724	1726	rVV5	36751	52361	4.22%	0.300%
49	12.263	1726	1730	1733	rVB3	99601	101518	8.19%	0.581%
50	12.298	1733	1736	1738	rBV3	23023	27229	2.20%	0.156%
51	12.357	1744	1746	1748	rBV2	50987	55079	4.44%	0.315%
52	12.380	1748	1750	1753	rVV2	111111	93600	7.55%	0.536%
53	12.410	1753	1755	1761	rVB7	51936	58338	4.71%	0.334%
54	12.463	1761	1764	1766	rBV3	43163	44077	3.56%	0.252%
55	12.486	1766	1768	1770	rBV3	31659	26788	2.16%	0.153%
56	12.569	1779	1782	1784	rBV	42844	51658	4.17%	0.296%
57	12.645	1792	1795	1799	rBV	414694	390682	31.51%	2.237%
58	12.692	1799	1803	1809	rVB	637711	614243	49.54%	3.516%
59	12.745	1809	1812	1815	rBV4	55709	52963	4.27%	0.303%
60	12.874	1828	1834	1840	rBV	311353	370872	29.91%	2.123%
61	13.016	1852	1858	1862	rBV	1004720	1024976	82.67%	5.868%
62	13.098	1867	1872	1873	rBV5	36399	53600	4.32%	0.307%
63	13.121	1873	1876	1879	rVB	168333	147964	11.93%	0.847%
64	13.157	1879	1882	1884	rBV	98317	84251	6.80%	0.482%
65	13.204	1886	1890	1892	rVB4	70178	86283	6.96%	0.494%
66	13.269	1899	1901	1904	rVB2	38542	27599	2.23%	0.158%
67	13.386	1918	1921	1923	rBV3	55711	63954	5.16%	0.366%
68	13.451	1930	1932	1936	rVB4	87639	64164	5.18%	0.367%
69	13.527	1942	1945	1947	rVB	199215	164634	13.28%	0.943%
70	13.716	1974	1977	1980	rBV4	55889	58761	4.74%	0.336%
71	13.880	2002	2005	2009	rVV2	218221	208280	16.80%	1.192%
72	13.921	2009	2012	2017	rVB	268283	267626	21.59%	1.532%
73	14.074	2032	2038	2041	rBV2	512443	803837	64.84%	4.602%
74	14.104	2041	2043	2048	rVB	172406	159246	12.84%	0.912%
75	14.557	2116	2120	2124	rVB2	145412	194865	15.72%	1.116%
76	15.133	2215	2218	2221	rBV	119857	177568	14.32%	1.017%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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77	15.210	2228	2231	2235	rBV	241711	268593	21.66%	1.538%
78	15.445	2267	2271	2278	rVV2	104968	151826	12.25%	0.869%
79	15.510	2279	2282	2285	rVB	81482	95308	7.69%	0.546%
80	15.574	2289	2293	2296	rBV	171896	217496	17.54%	1.245%
81	15.604	2296	2298	2303	rVB5	55976	69933	5.64%	0.400%
82	16.062	2372	2376	2381	rVB2	178632	256800	20.71%	1.470%
83	17.209	2567	2571	2578	rBV8	37578	86326	6.96%	0.494%
84	17.727	2652	2659	2673	rBV8	208469	791808	63.87%	4.533%
85	18.304	2752	2757	2769	rVB8	127307	401307	32.37%	2.297%
86	18.456	2776	2783	2793	rVB8	70246	211030	17.02%	1.208%
87	18.568	2794	2802	2806	rBV8	92407	262798	21.20%	1.504%

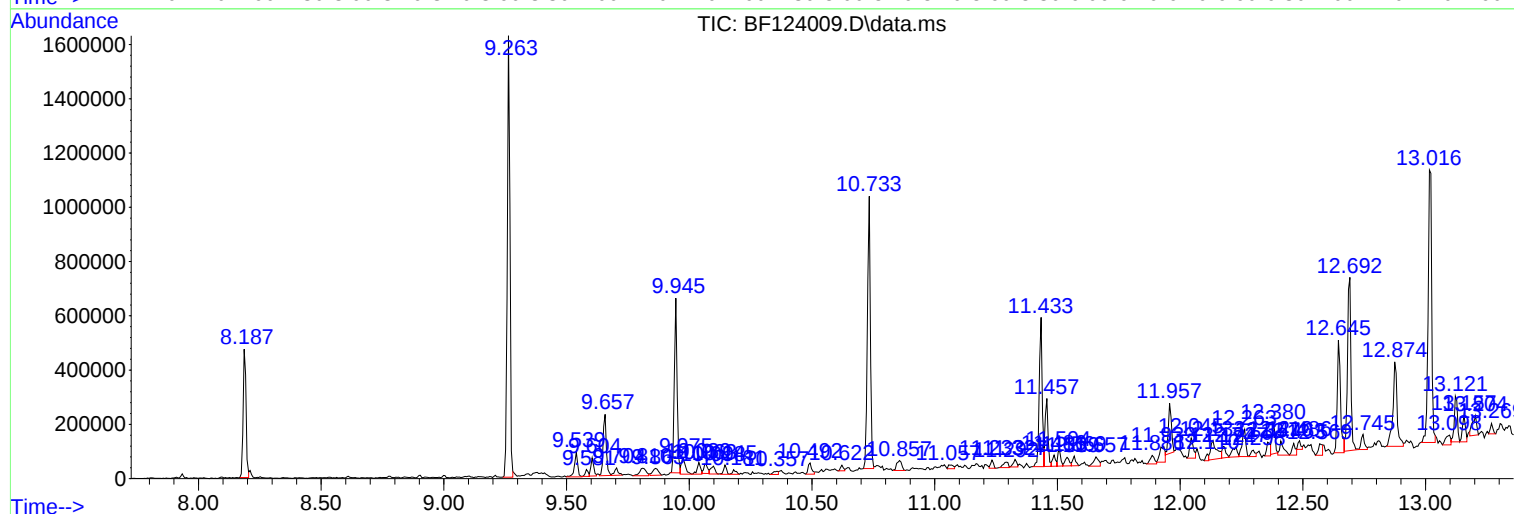
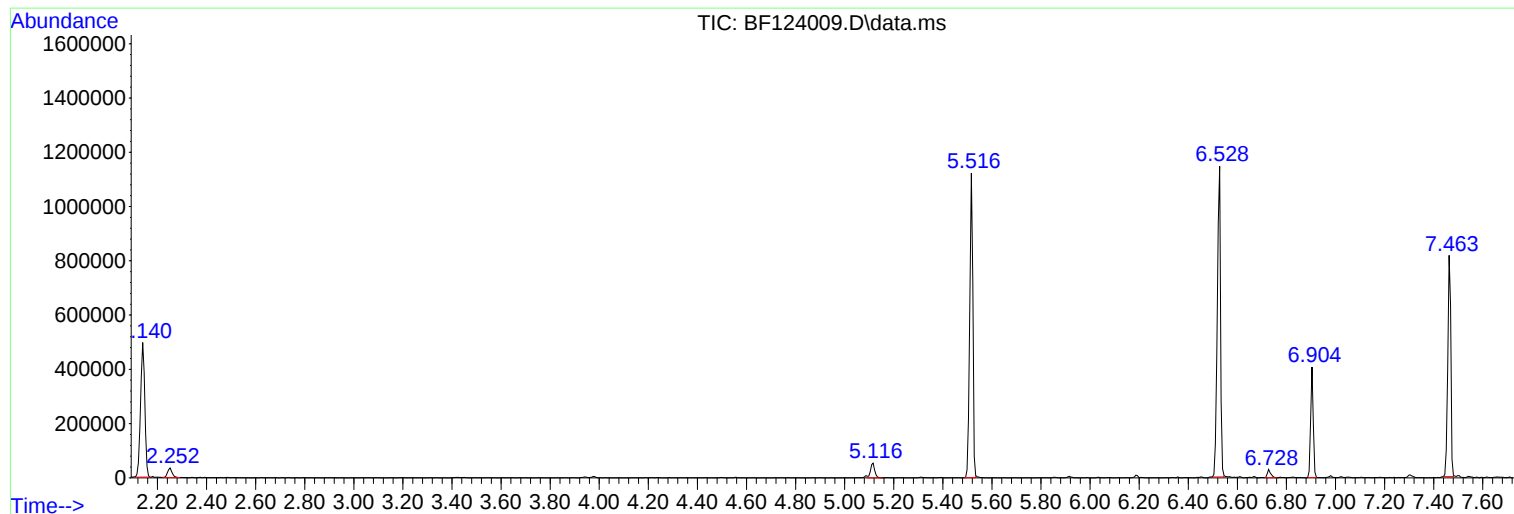
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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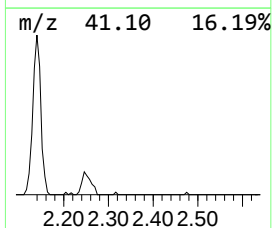
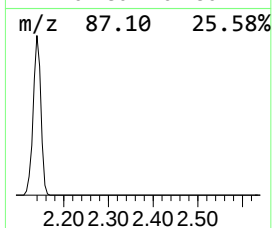
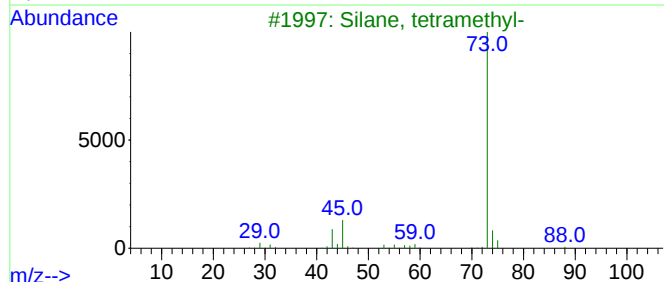
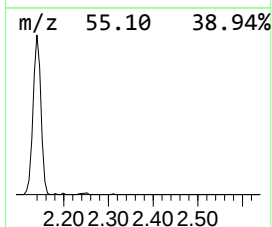
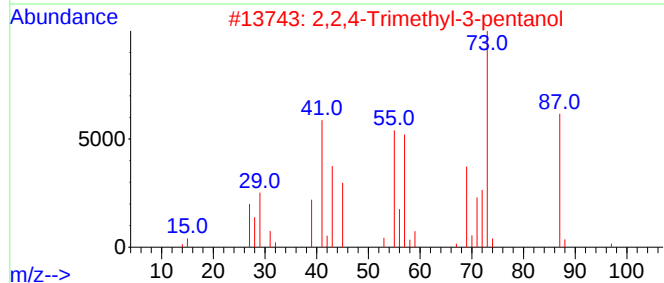
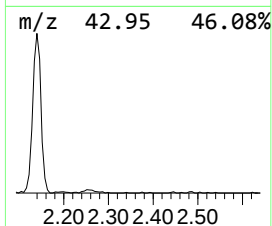
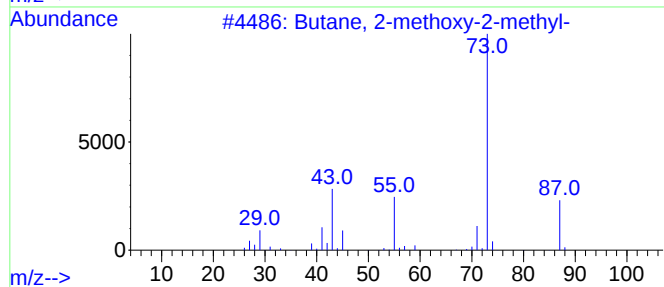
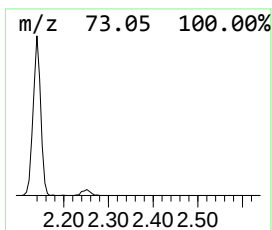
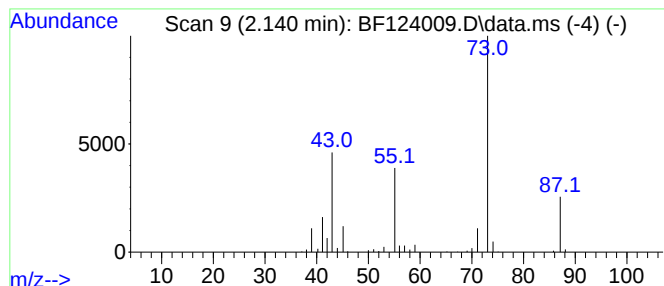
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	40.43 ng	600643	1,4-Dichlorobenzene-d4	6.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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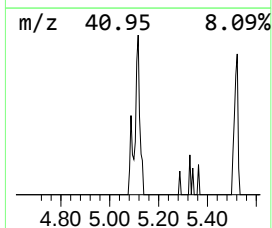
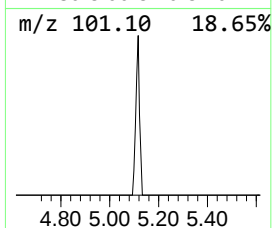
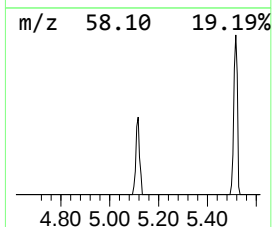
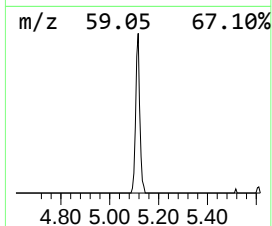
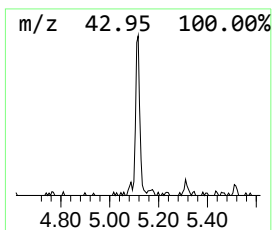
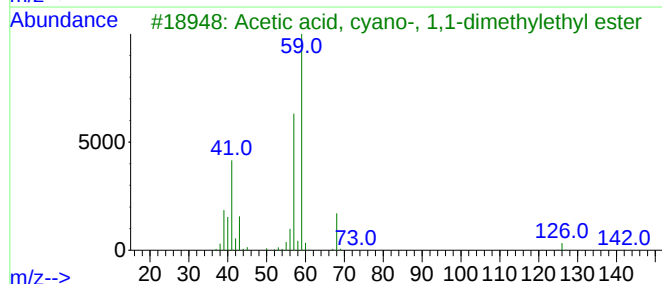
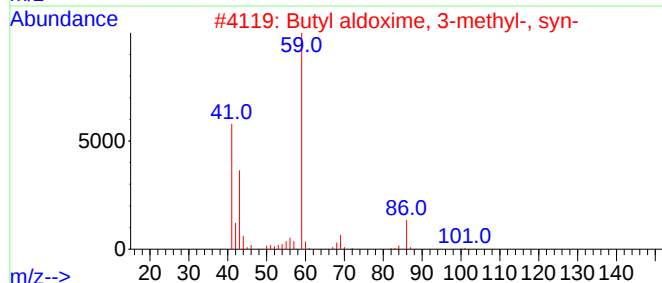
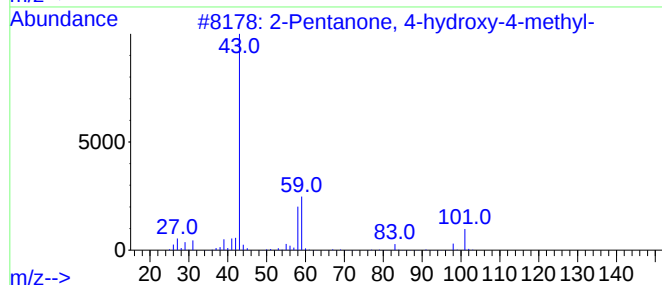
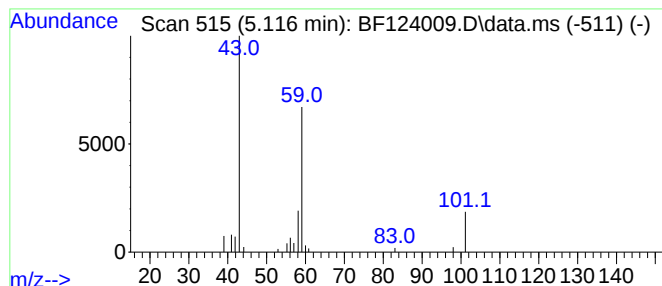
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.116	4.20 ng	62328	1,4-Dichlorobenzene-d4	6.904	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2-Nonanone	142	C9H18O	000821-55-6	17
5	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9



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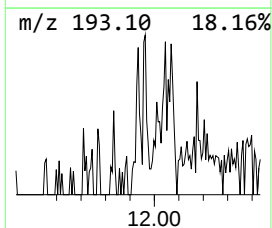
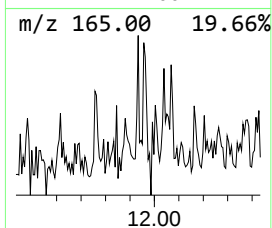
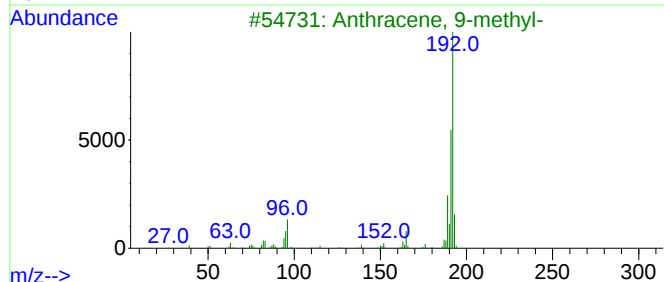
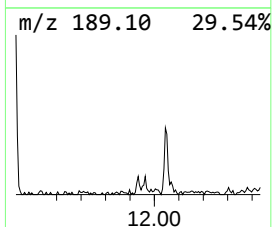
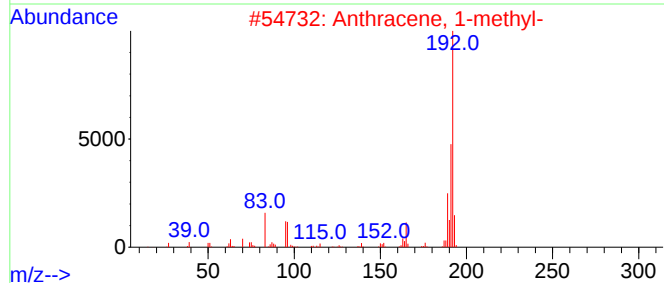
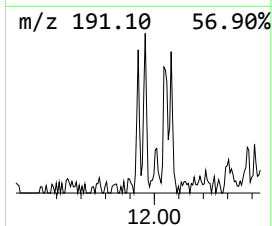
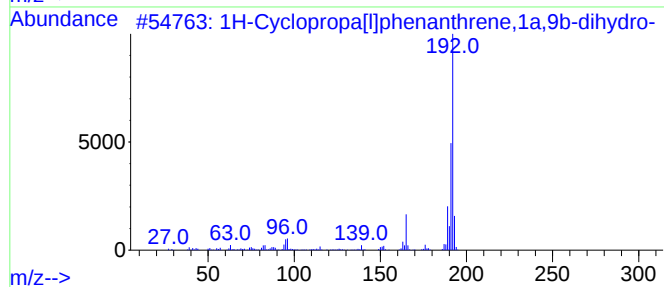
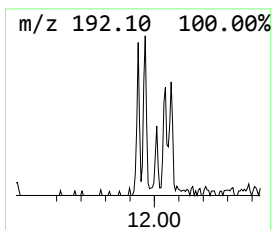
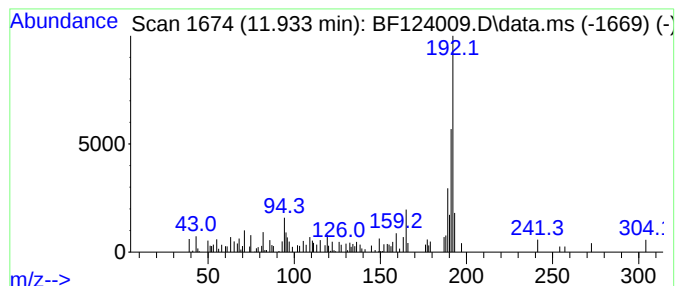
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	3.67 ng	85593	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81



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Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

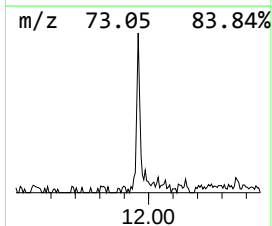
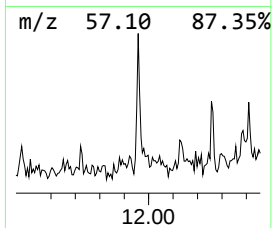
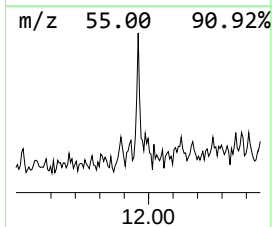
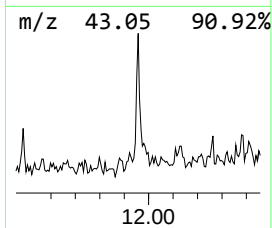
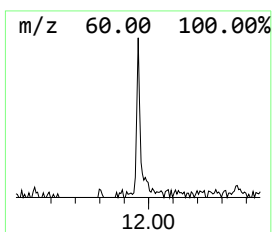
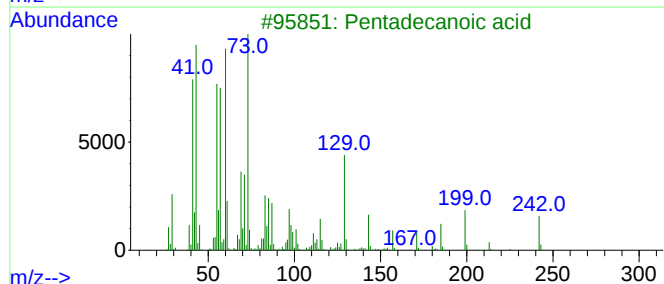
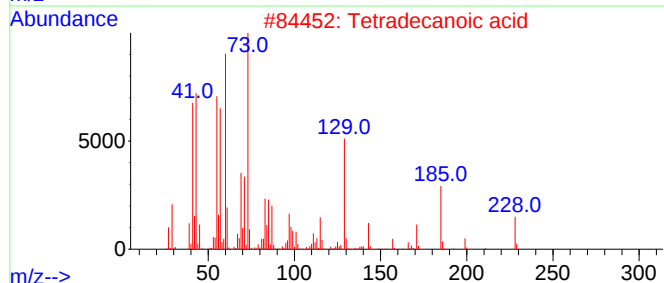
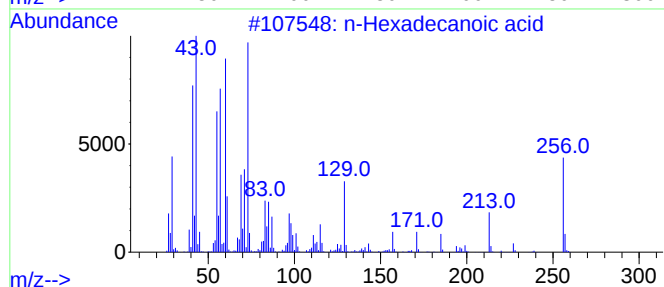
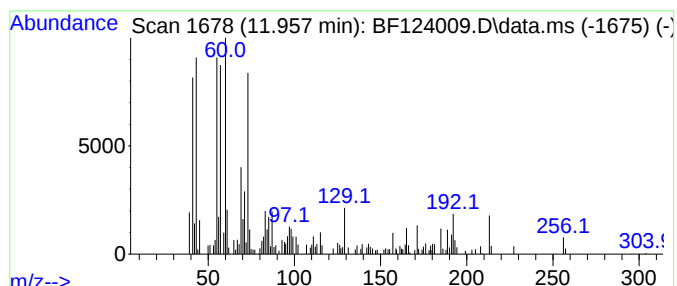
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	6.99 ng	163103	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4			n-Decanoic acid	172	C10H20O2	000334-48-5	70
5			Tridecanoic acid	214	C13H26O2	000638-53-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

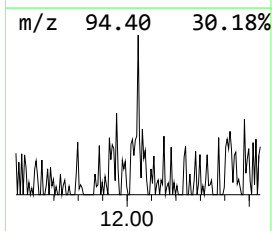
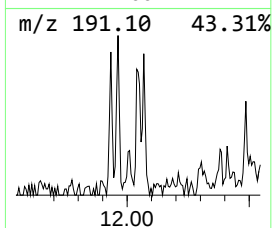
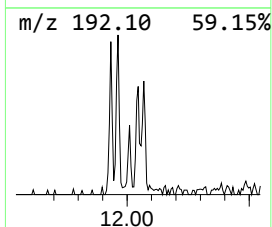
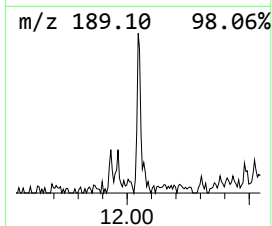
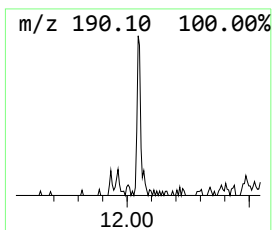
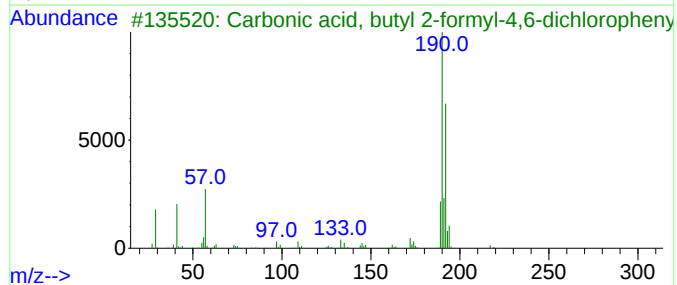
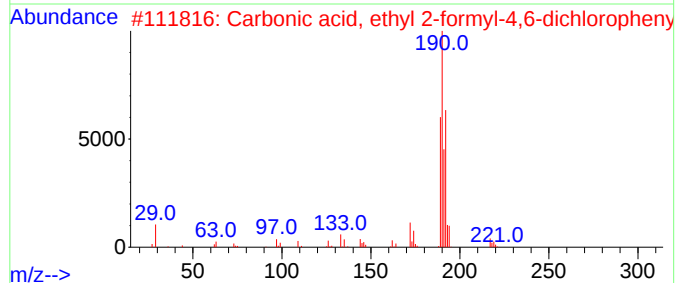
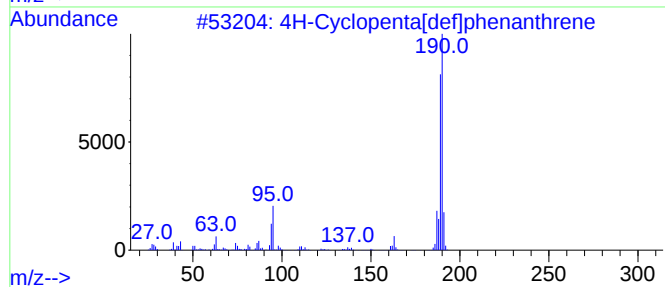
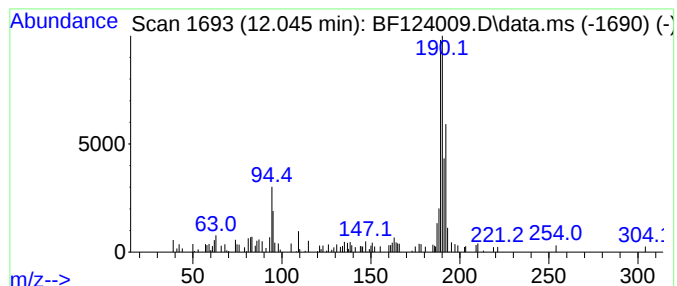
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	3.40 ng	79390	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2			Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3			Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	38
4			Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	38
5			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
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Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

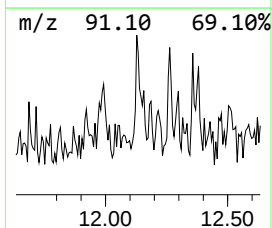
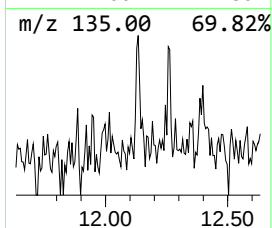
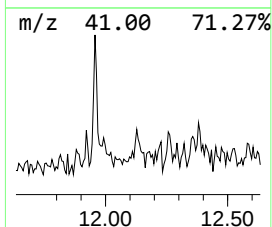
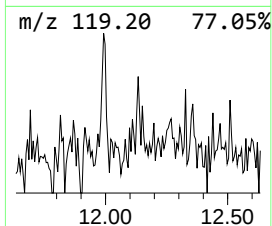
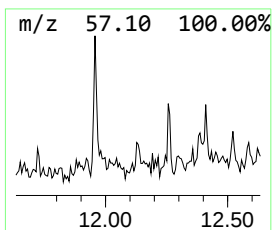
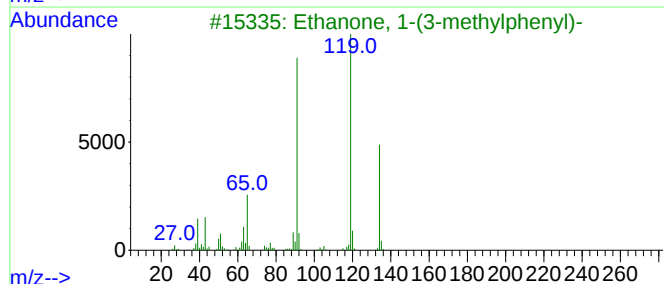
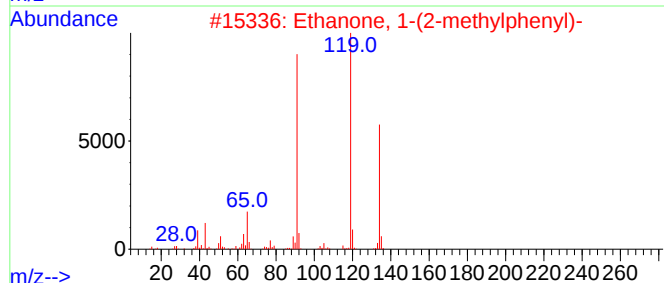
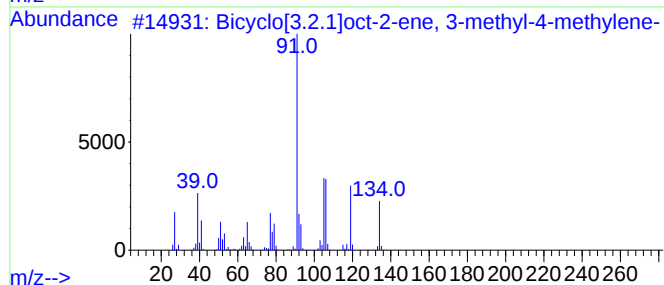
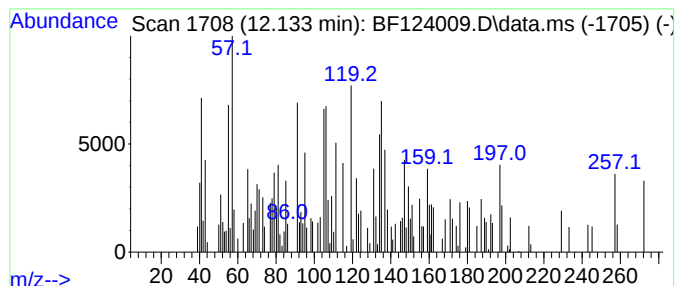
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown12.13 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	5.29 ng	123537	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.2.1]oct-2-ene, 3-methy...	134	C10H14	049826-53-1	46
2			Ethanone, 1-(2-methylphenyl)-	134	C9H10O	000577-16-2	43
3			Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	43
4			Benzamide, 4-methyl-	135	C8H9NO	000619-55-6	38
5			1-p-Tolyl-2-(4H-[1,2,4]triazol-3...	233	C11H11N3OS	326888-02-2	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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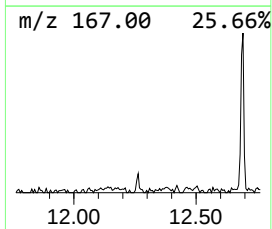
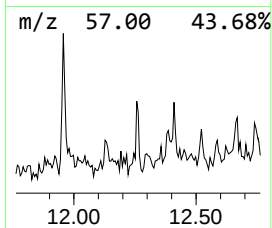
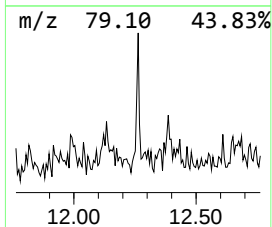
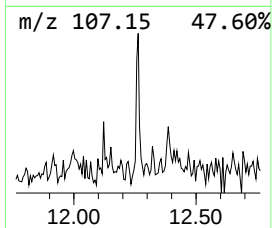
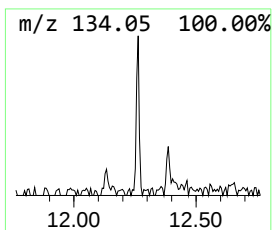
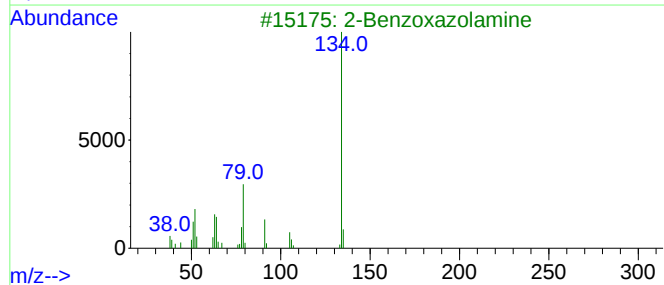
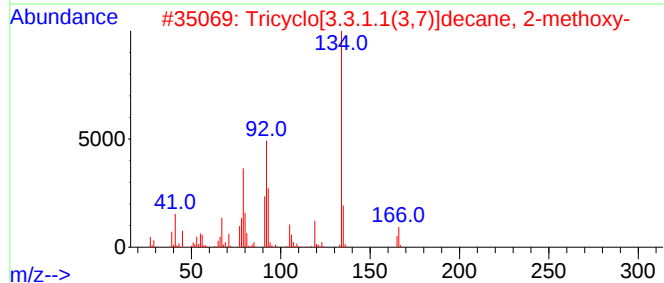
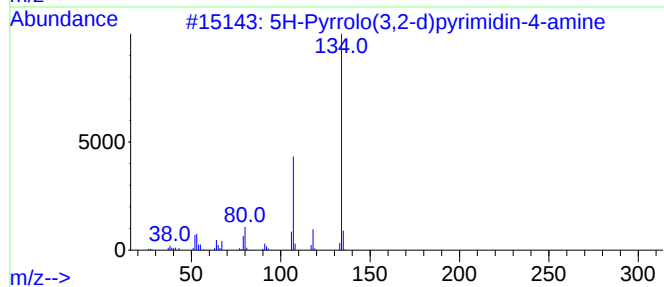
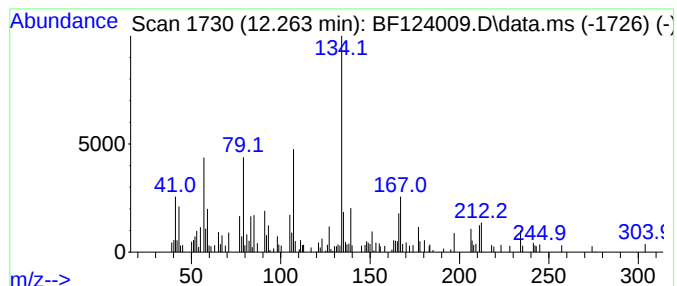
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown12.26 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	4.35 ng	101518	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	43
2			Tricyclo[3.3.1.1(3,7)]decane, 2-...	166	C11H18O	019066-23-0	35
3			2-Benzoxazamine	134	C7H6N2O	004570-41-6	35
4			Pyridine, 2-ethyl-4,6-dimethyl-	135	C9H13N	001124-35-2	32
5			5-Methyl-5-triazolo(1,5-a)pyrimi...	134	C6H6N4	015562-30-8	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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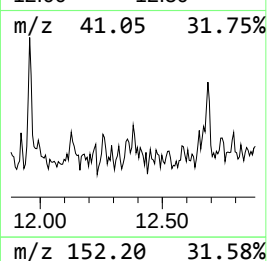
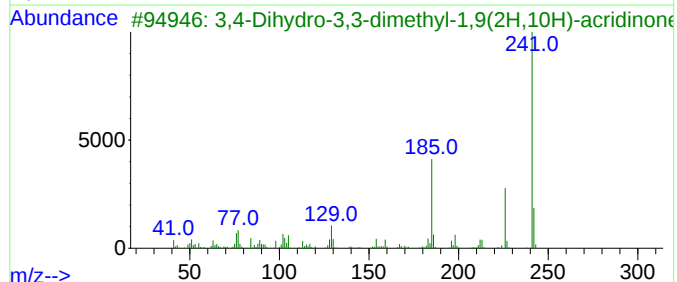
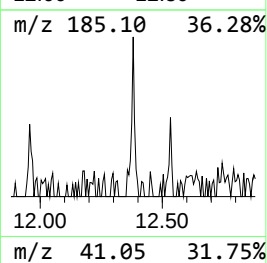
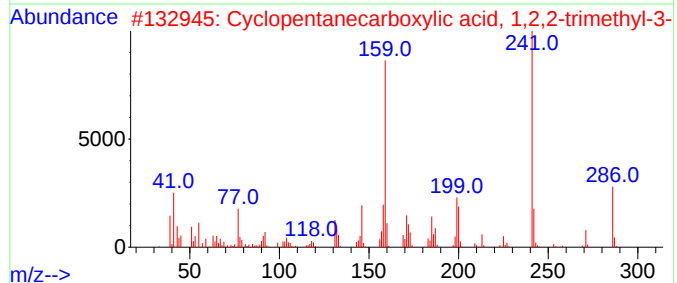
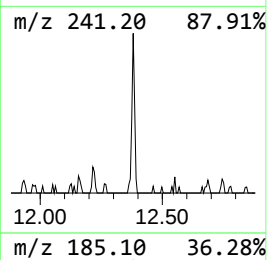
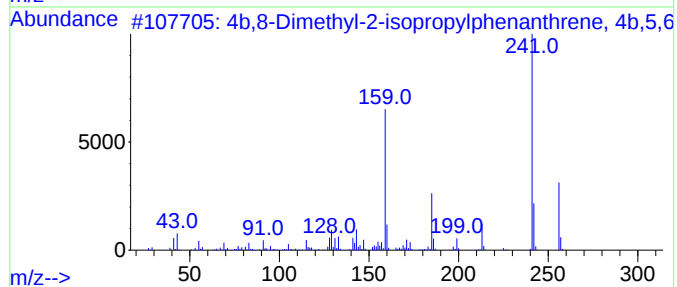
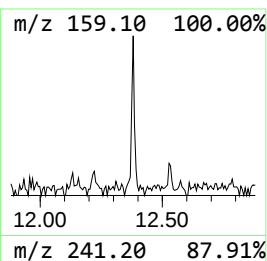
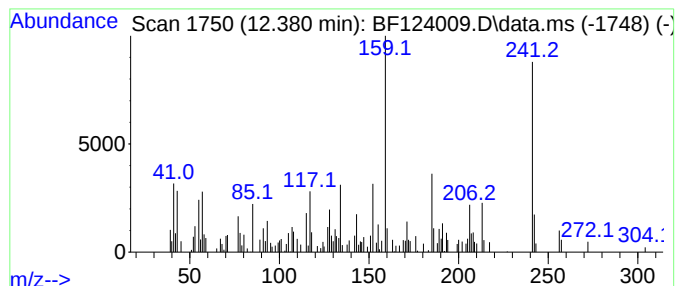
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 4b,8-Dimethyl-2-isopropylph... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	4.01 ng	93600	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	52
2			Cyclopentanecarboxylic acid, 1,2...	286	C17H22N2O2	1000302-75-6	43
3			3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	27
4			Adamantane, 1-(4-methylphenylami...	241	C17H23N	019984-39-5	14
5			2-(2-Benzothiazolyl)-5-methylphenol	241	C14H11NOS	056048-54-5	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
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Instrument :
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ClientSampleId :
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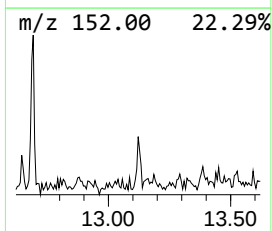
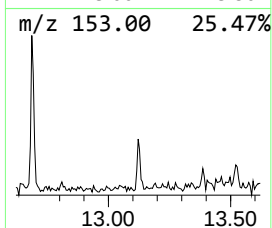
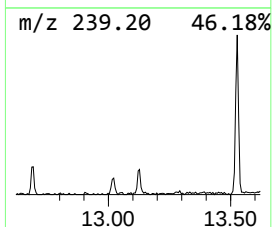
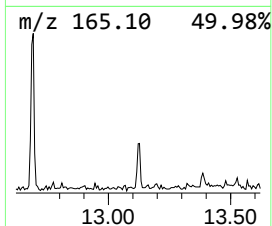
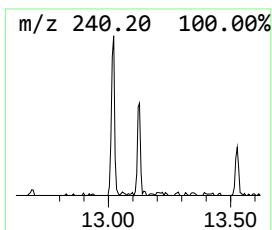
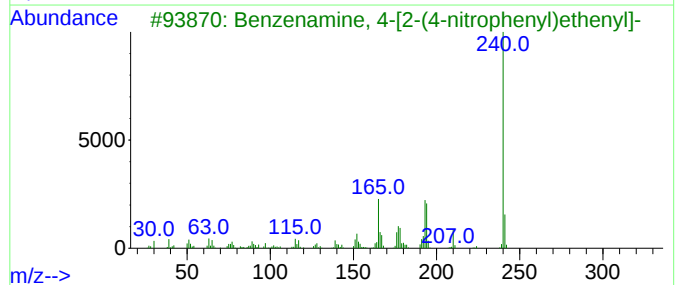
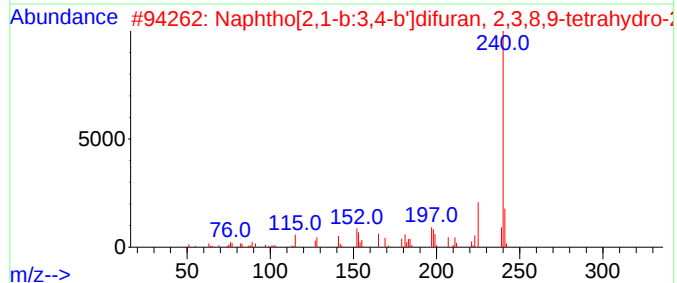
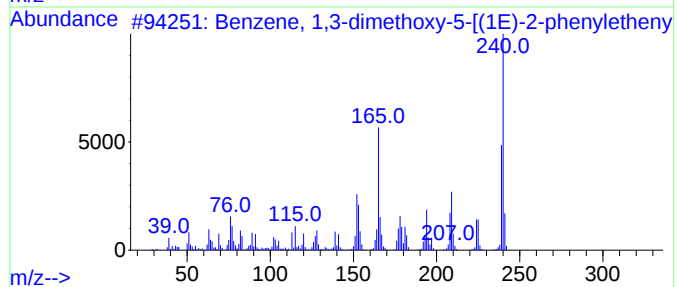
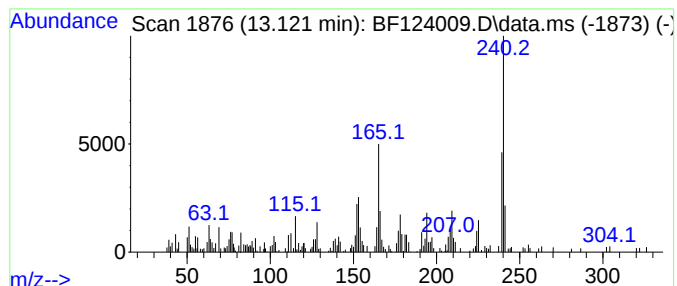
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	3.68 ng	147964	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	95
2			Naphtho[2,1-b:3,4-b']difuran, 2...	240	C16H16O2	068873-19-8	55
3			Benzenamine, 4-[2-(4-nitrophenyl...	240	C14H12N2O2	004629-58-7	53
4			[1,1'-Biphenyl]-4,4'-diamine, 3...	240	C16H20N2	054827-17-7	49
5			9,10-Anthracenedione, 1,4-dihydr...	240	C14H8O4	000081-64-1	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

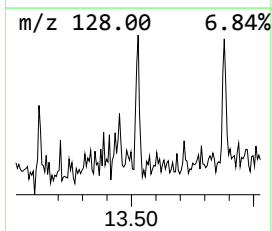
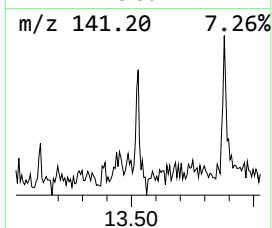
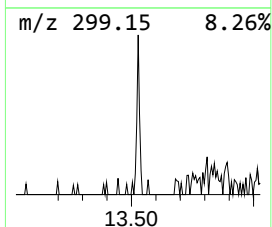
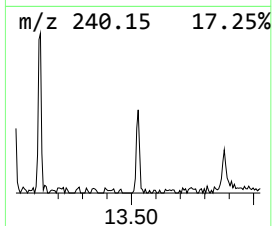
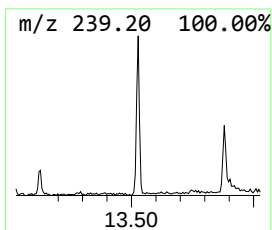
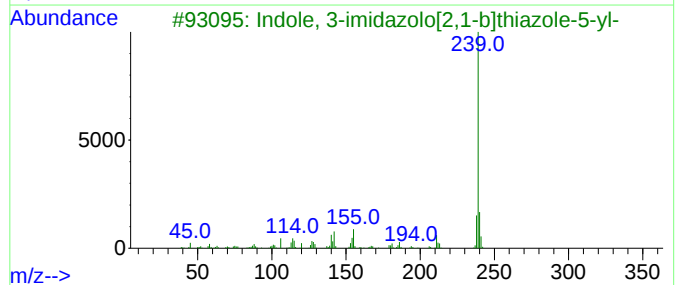
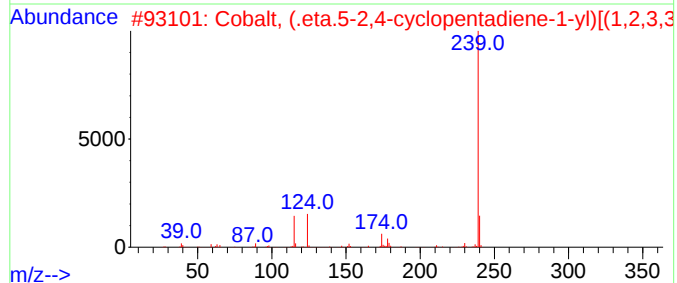
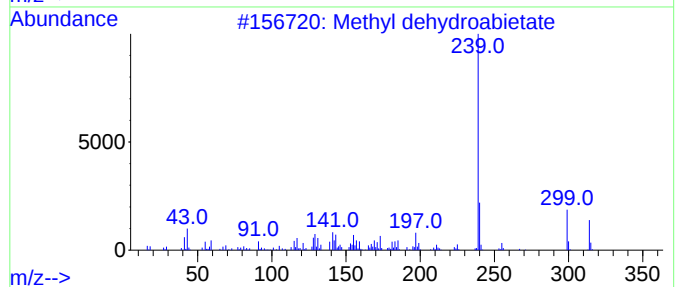
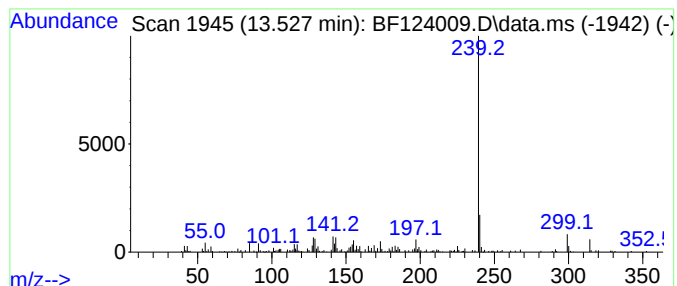
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Methyl dehydroabietate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.527	4.10 ng	164634	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methyl dehydroabietate	314	C21H30O2	001235-74-1	95
2			Cobalt, (.eta.5-2,4-cyclopentadi...	239	C14H12Co	088242-61-9	59
3			Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	59
4			2-(p-Acetylanilino)tropone	239	C15H13NO2	1000241-52-9	50
5			Imidazolo[2,1-b]thiazole, 5-(3-i...	239	C13H9N3S	327097-37-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
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Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

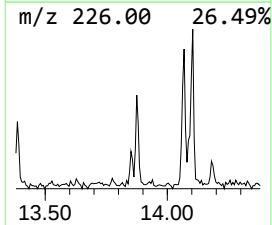
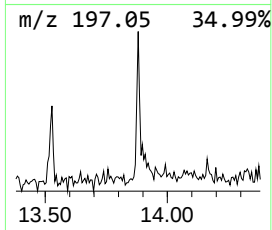
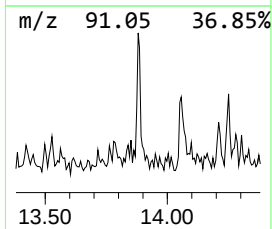
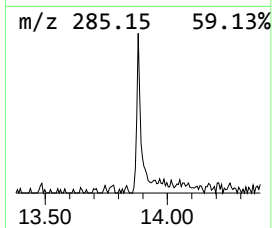
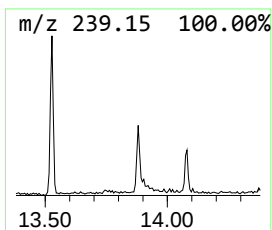
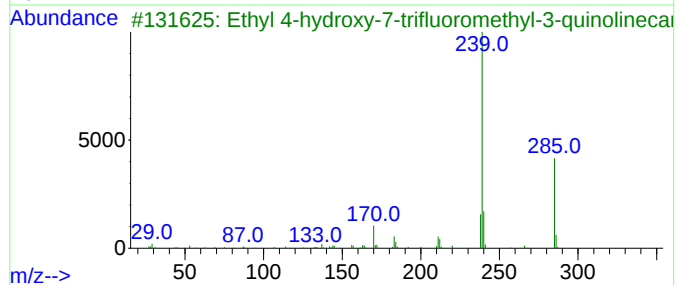
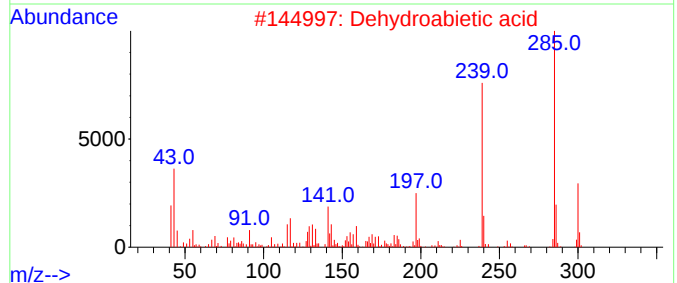
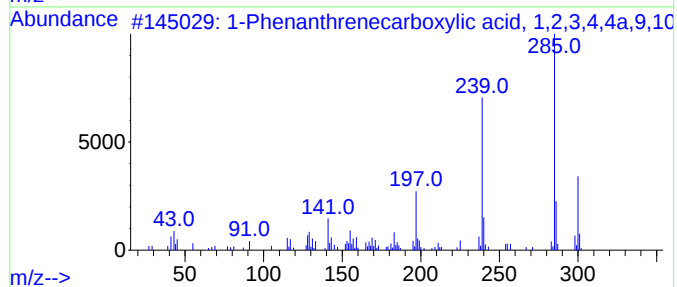
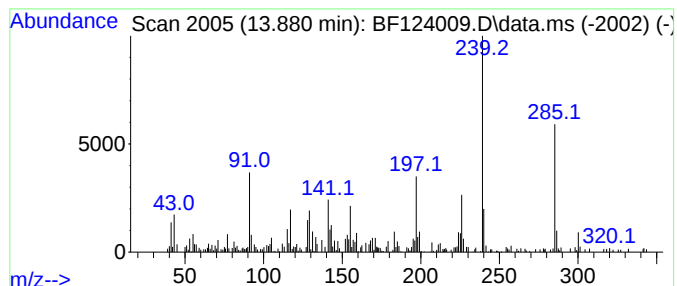
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1-Phenanthrenecarboxylic ac... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.880	5.18 ng	208280	Chrysene-d12	14.074		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
2		Dehydroabiatic acid	300	C20H28O2	001740-19-8	90
3		Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	60
4		Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	58
5		2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
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Instrument :
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ClientSampleId :
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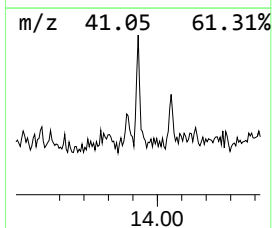
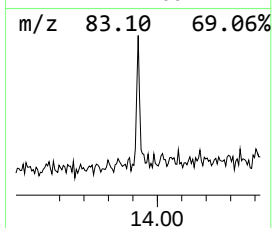
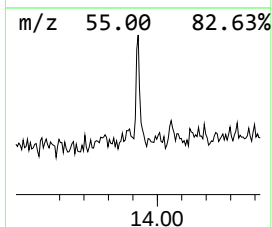
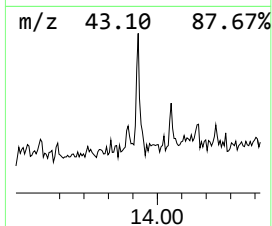
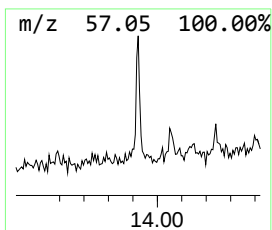
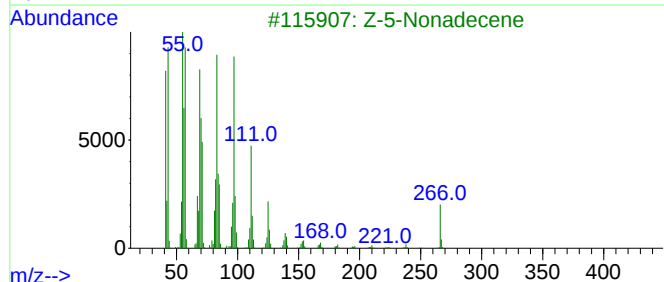
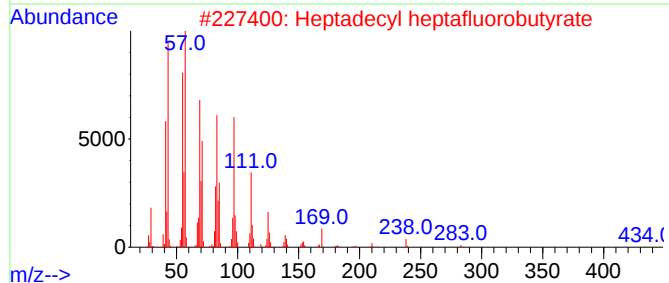
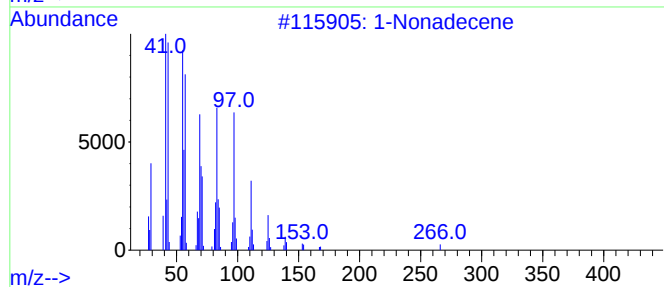
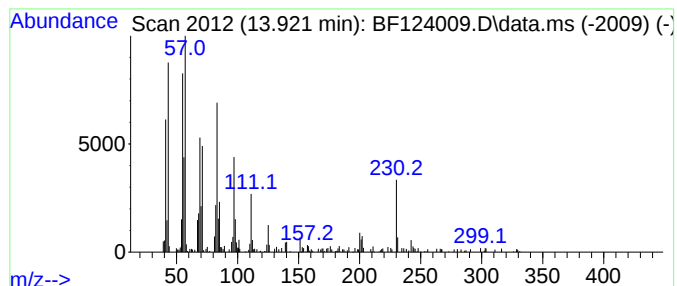
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1-Nonadecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.921	6.66 ng	267626	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene			266	C19H38	018435-45-5	86
2	Heptadecyl heptafluorobutyrate			452	C21H35F7O2	959085-66-6	72
3	Z-5-Nonadecene			266	C19H38	1000131-11-8	64
4	Octacosanol			410	C28H58O	000557-61-9	58
5	1-Eicosanol			298	C20H42O	000629-96-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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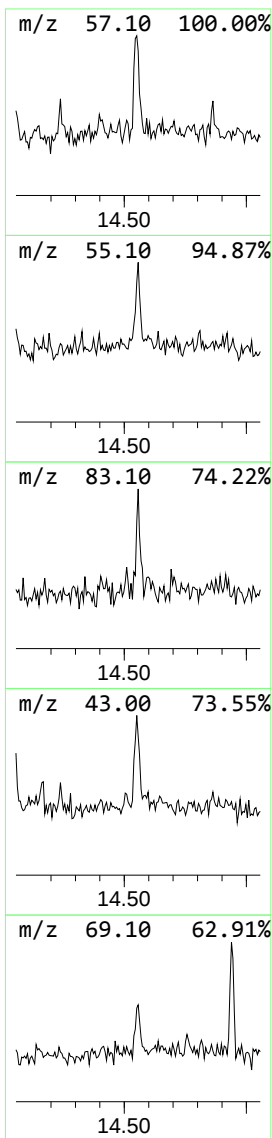
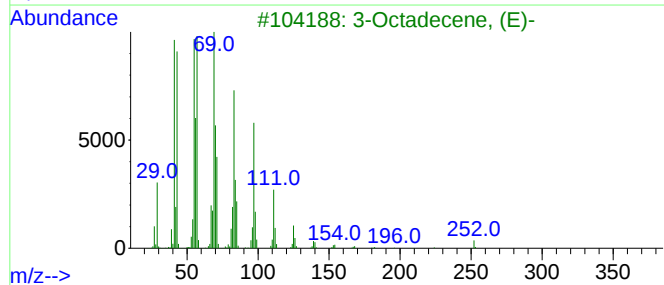
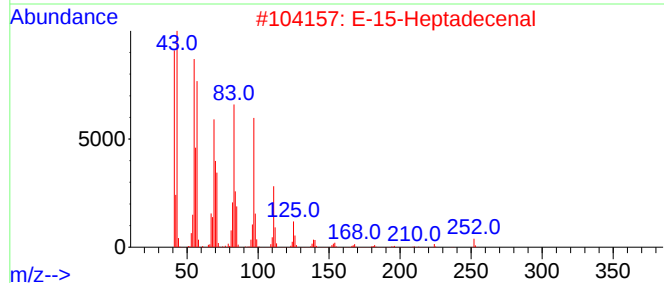
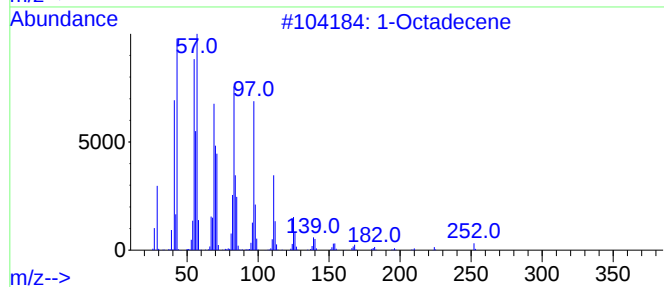
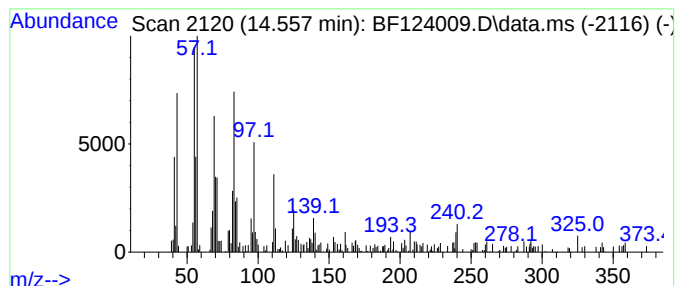
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1-Octadecene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.557	4.85 ng	194865	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecene	252	C18H36	000112-88-9	91
2			E-15-Heptadecenal	252	C17H32O	1000130-97-9	91
3			3-Octadecene, (E)-	252	C18H36	007206-19-1	91
4			E-14-Hexadecenal	238	C16H30O	330207-53-9	90
5			Cyclohexadecane	224	C16H32	000295-65-8	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
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Instrument :
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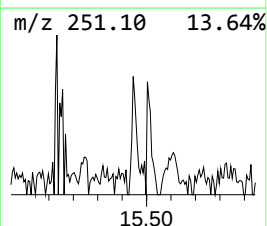
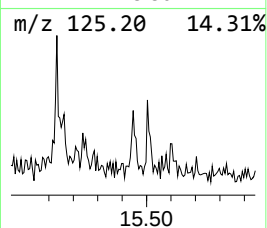
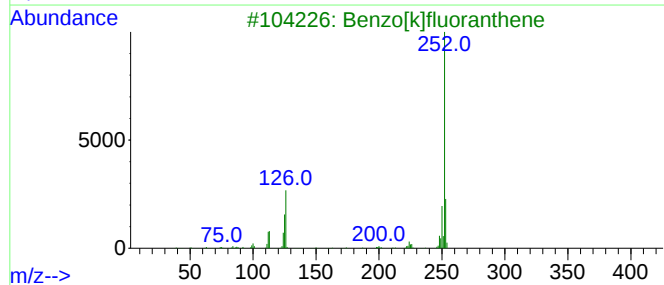
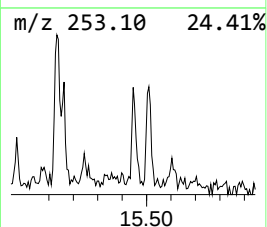
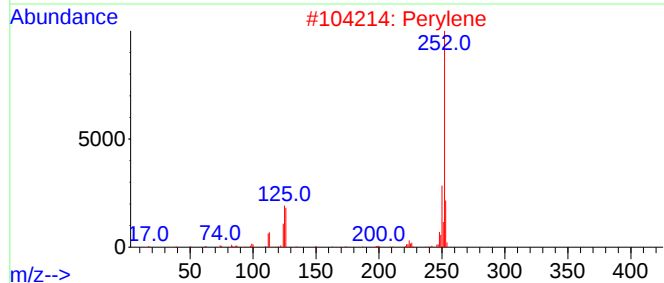
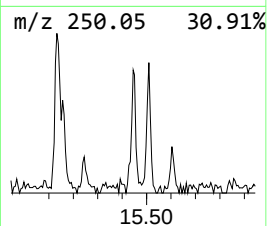
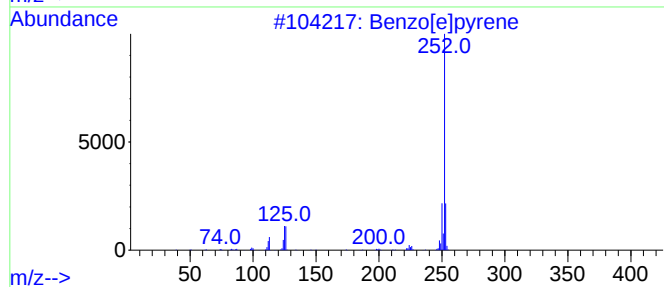
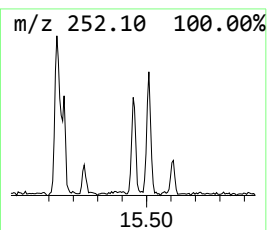
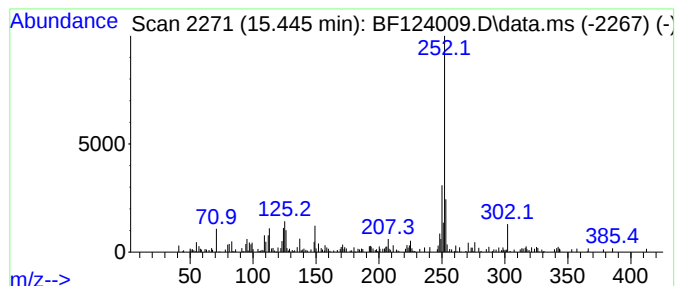
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.445	13.96 ng	151826	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	93
2			Perylene	252	C20H12	000198-55-0	92
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4			Benzo[a]pyrene	252	C20H12	000050-32-8	86
5			(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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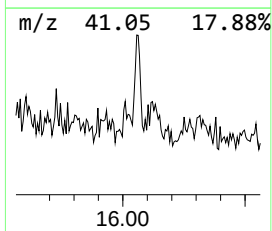
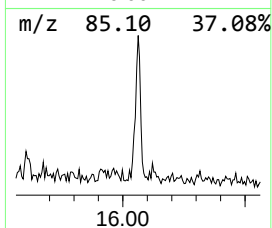
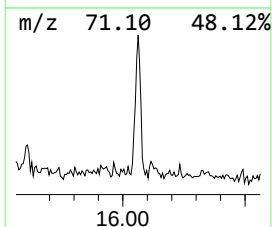
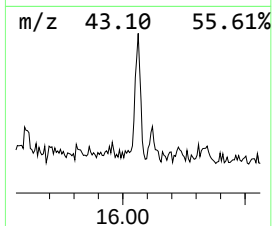
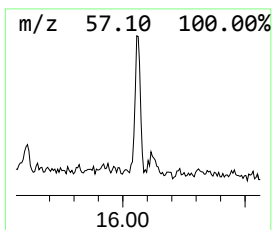
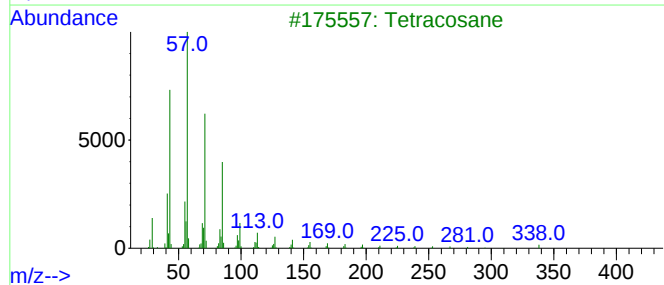
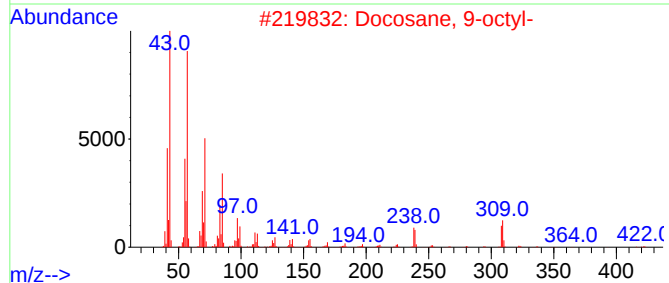
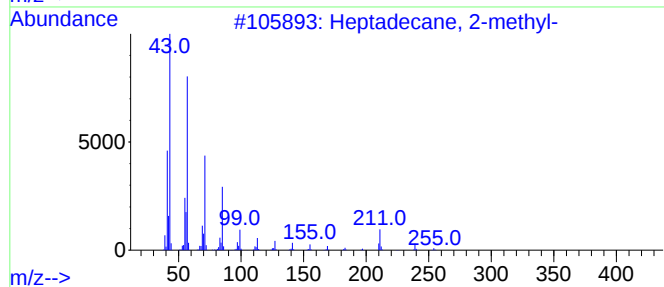
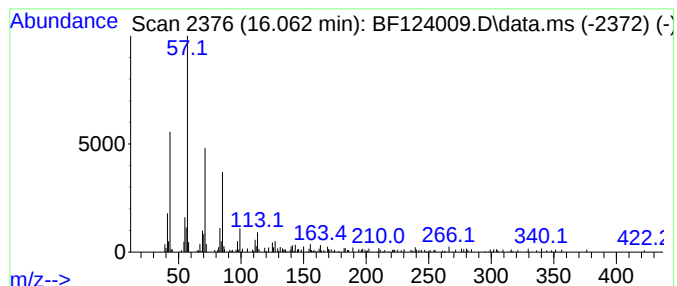
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Heptadecane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.063	23.61 ng	256800	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2-methyl-	254	C18H38	001560-89-0	91
2			Docosane, 9-octyl-	422	C30H62	055319-83-0	90
3			Tetracosane	338	C24H50	000646-31-1	87
4			Heneicosane	296	C21H44	000629-94-7	87
5			Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
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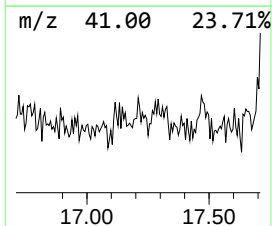
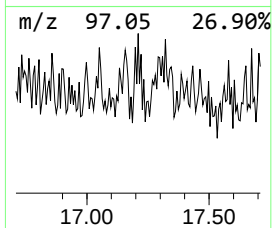
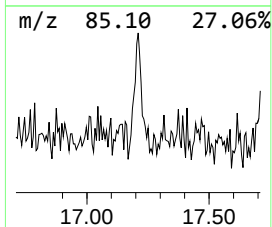
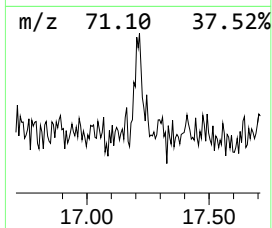
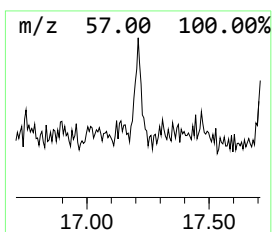
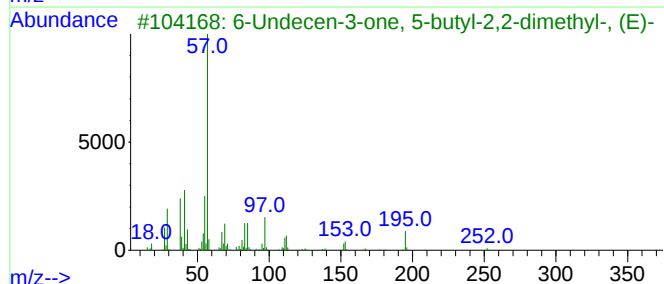
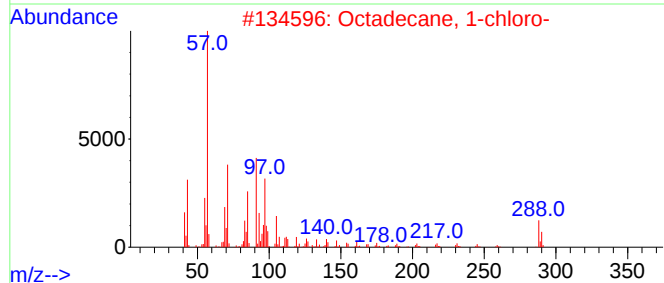
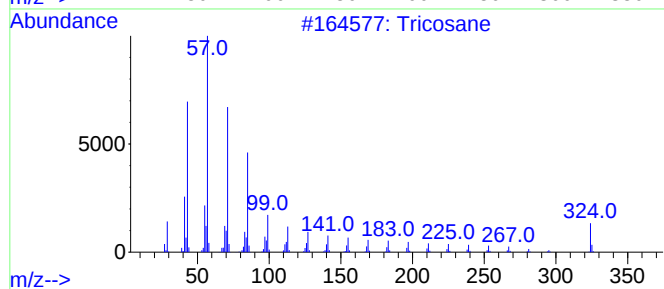
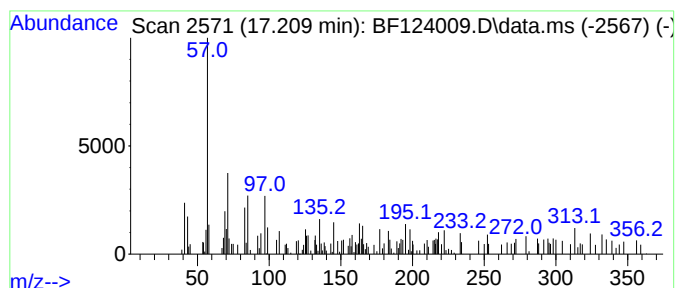
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown17.20 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.209	7.94 ng	86326	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosane	324	C23H48	000638-67-5	25
2			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	25
3			6-Undecen-3-one, 5-butyl-2,2-dim...	252	C17H32O	055976-05-1	12
4			Acetic acid, (2,4-dichlorophenox...	332	C16H22Cl2O3	025168-26-7	11
5			Octadecane, 2,6,10,14-tetramethyl-	310	C22H46	054964-82-8	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
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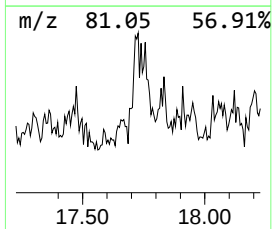
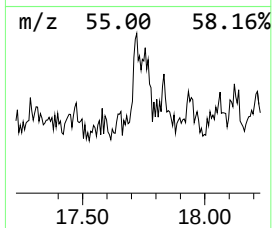
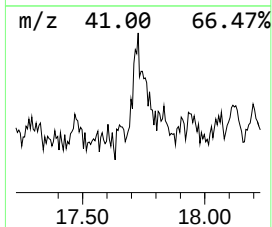
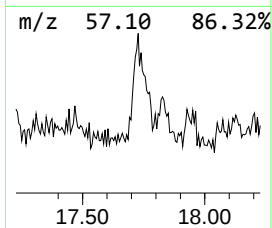
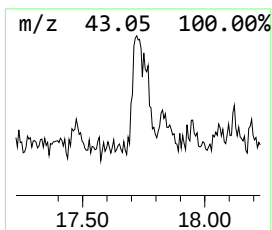
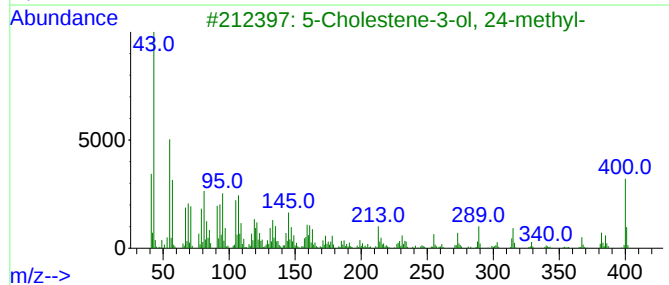
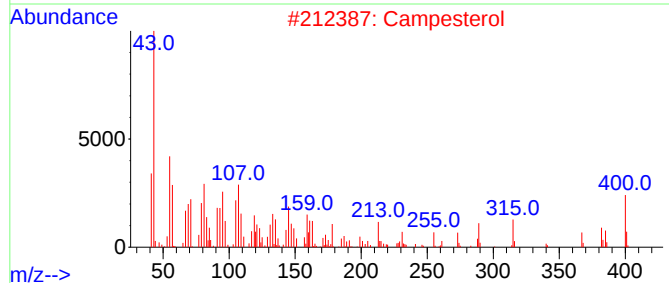
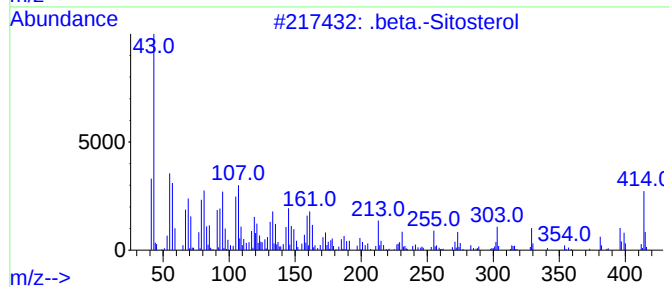
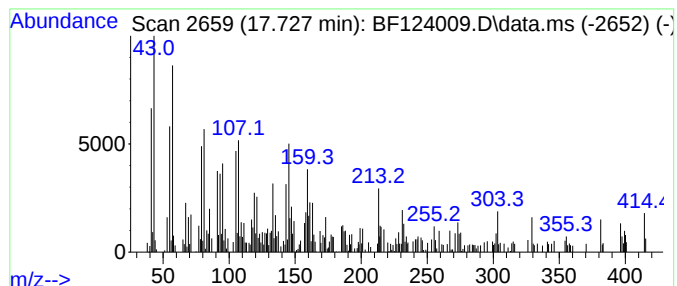
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 .beta.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.727	72.81 ng	791808	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.beta.-Sitosterol	414	C29H50O	000083-46-5	91
2			Campesterol	400	C28H48O	000474-62-4	58
3			5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	49
4			Ergost-7-en-3-ol	400	C28H48O	116179-22-7	42
5			.gamma.-Sitosterol	414	C29H50O	000083-47-6	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

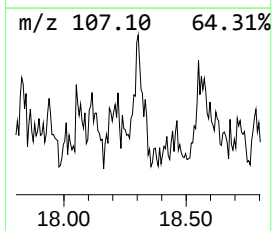
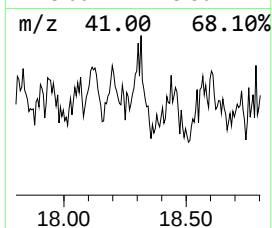
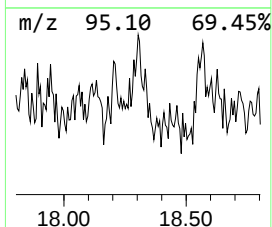
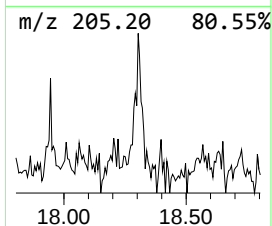
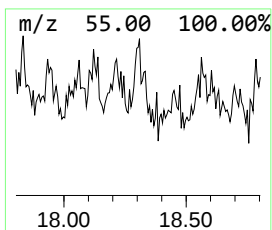
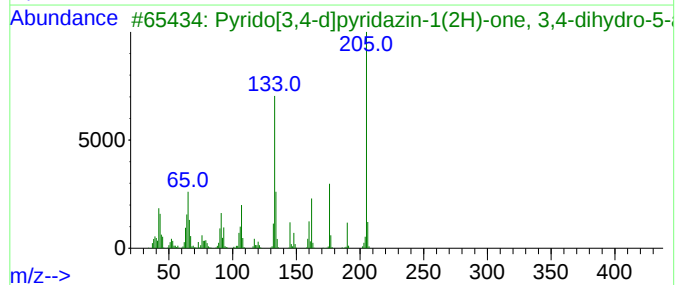
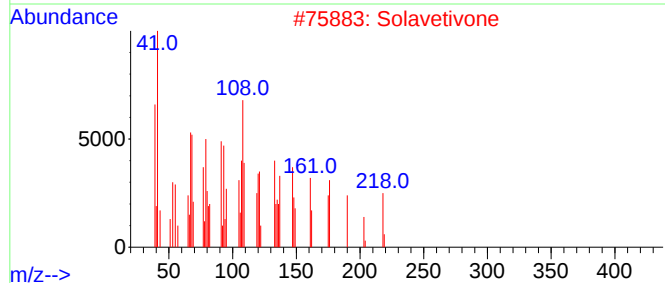
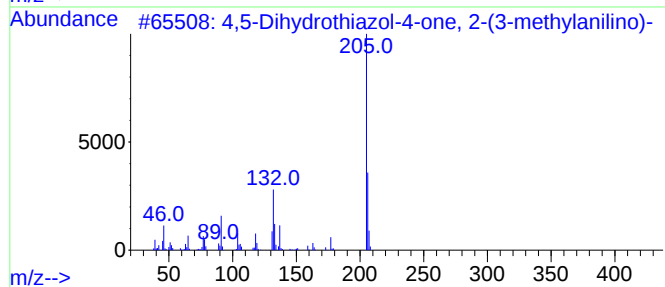
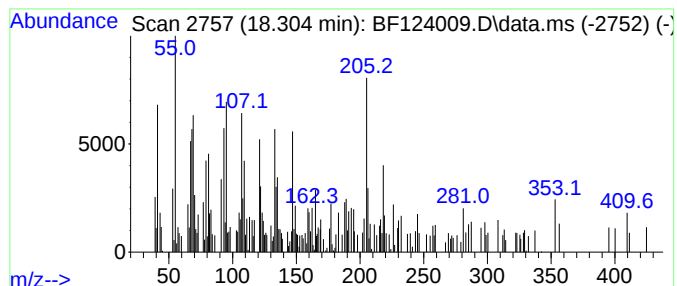
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown18.30 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	36.90 ng	401307	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrothiazol-4-one, 2-(3-m...	206	C10H10N2OS	027052-16-0	30		
2	Solavetivone	218	C15H22O	054878-25-0	30		
3	Pyrido[3,4-d]pyridazin-1(2H)-one...	205	C9H11N5O	1000271-08-5	27		
4	3H-1,3,4-Benzotriazepine-2-thion...	205	C10H11N3S	105999-03-9	18		
5	Thieno[2,3-b]pyridine-2-carboxyl...	332	C16H13ClN2O2S	1000304-64-4	18		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

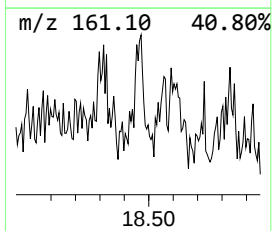
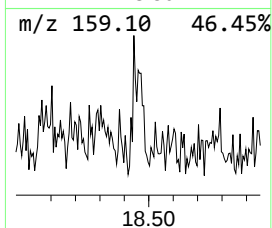
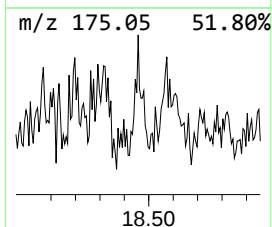
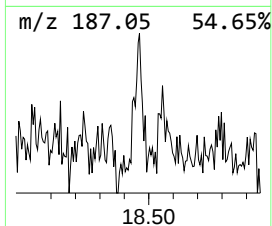
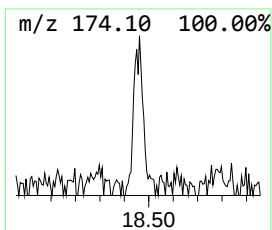
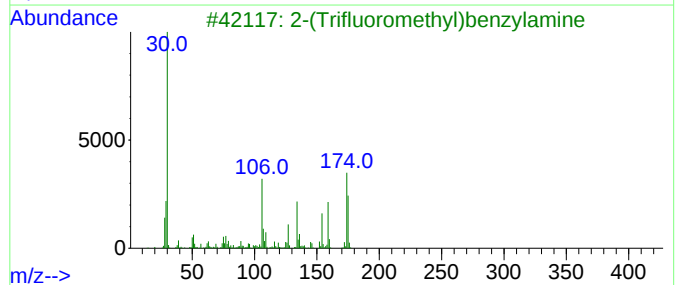
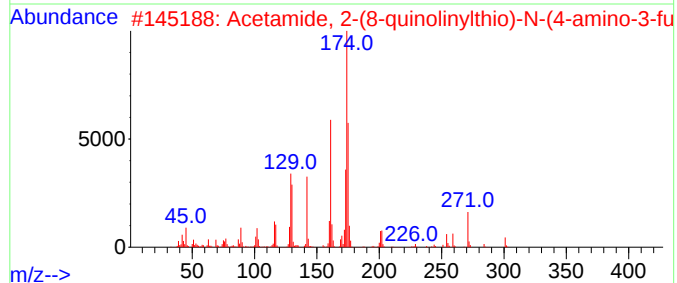
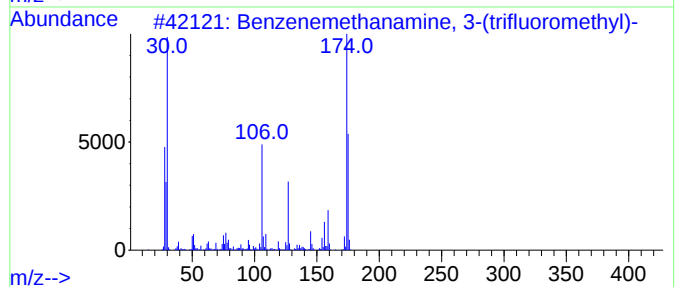
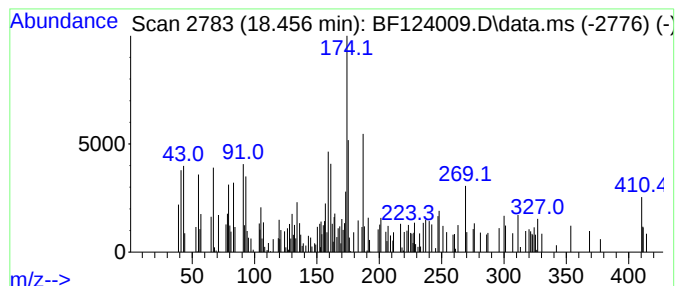
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 unknown18.45 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.456	19.41 ng	211030	Perylene-d12	15.574

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenemethanamine, 3-(trifluoro...	175	C8H8F3N	002740-83-2	38
2			Acetamide, 2-(8-quinolinylthio)-...	301	C13H11N5O2S	329780-80-5	38
3			2-(Trifluoromethyl)benzylamine	175	C8H8F3N	003048-01-9	38
4			Cyclohexane-1,3-dione, 2-[1-[2-(...	368	C22H28N2O3	1000302-28-6	38
5			3-Anilino-5-[3-(1-phenylethylami...	321	C19H23N5	1000287-04-2	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
Acq On : 20 May 2021 15:08
Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

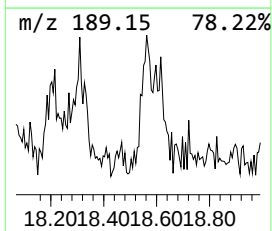
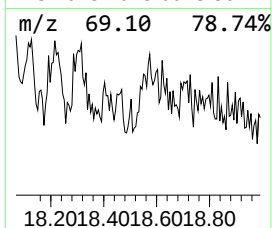
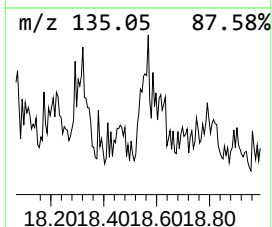
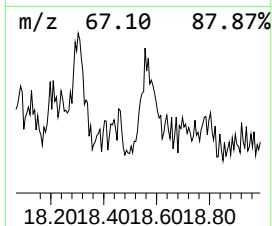
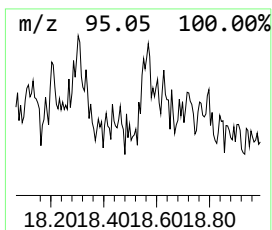
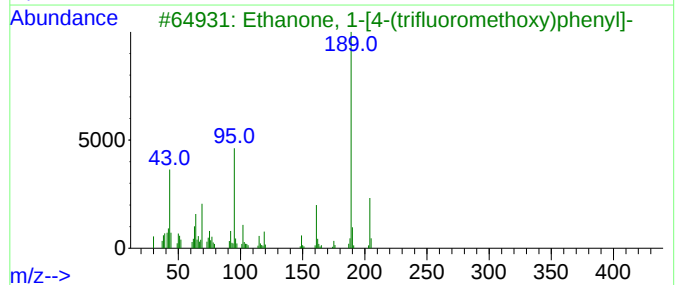
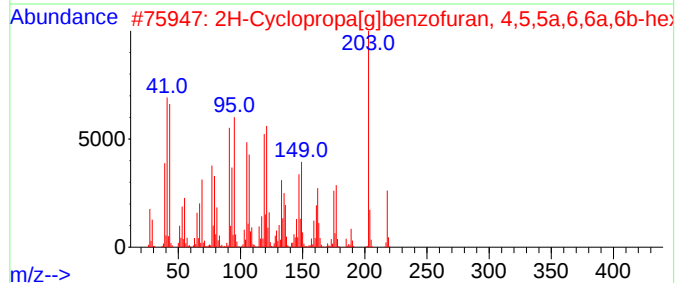
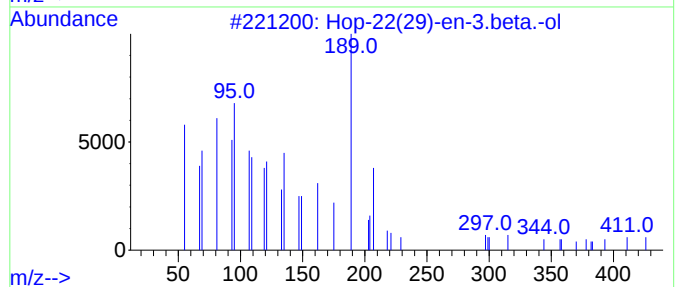
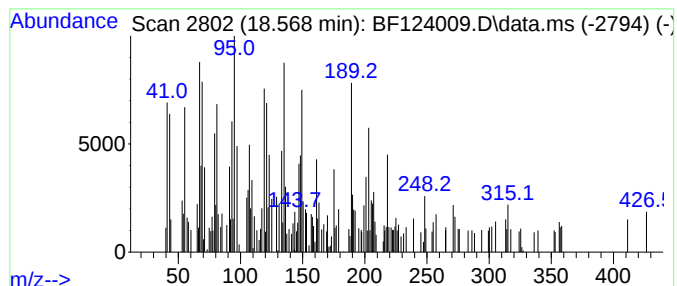
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Hop-22(29)-en-3.beta.-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.568	24.17 ng	262798	Perylene-d12	15.574
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Hop-22(29)-en-3.beta.-ol	426 C30H50O	058801-23-3 70
2		2H-Cyclopropa[g]benzofuran, 4,5,...	218 C15H22O	102681-49-2 46
3		Ethanone, 1-[4-(trifluoromethoxy)...	204 C9H7F3O2	085013-98-5 27
4		Androst-5-en-4-one	272 C19H28O	013583-72-7 22
5		2,6,10,10-Tetramethylbicyclo[7.2...	204 C15H24	136296-37-2 20



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124009.D
 Acq On : 20 May 2021 15:08
 Operator : JU/CG
 Sample : M2449-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-COMPOSITE-PILE-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.140	40.4	ng	600643	1	6.904	297104	20.0
2-Pentanone, 4-...	5.116	4.2	ng	62328	1	6.904	297104	20.0
1H-Cyclopropa[1...	11.933	3.7	ng	85593	4	11.433	466831	20.0
n-Hexadecanoic ...	11.957	7.0	ng	163103	4	11.433	466831	20.0
4H-Cyclopenta[d...	12.045	3.4	ng	79390	4	11.433	466831	20.0
unknown12.13	12.133	5.3	ng	123537	4	11.433	466831	20.0
unknown12.26	12.263	4.3	ng	101518	4	11.433	466831	20.0
4b,8-Dimethyl-2...	12.380	4.0	ng	93600	4	11.433	466831	20.0
Benzene, 1,3-di...	13.121	3.7	ng	147964	5	14.074	803837	20.0
Methyl dehydroa...	13.527	4.1	ng	164634	5	14.074	803837	20.0
1-Phenanthrenec...	13.880	5.2	ng	208280	5	14.074	803837	20.0
1-Nonadecene	13.921	6.7	ng	267626	5	14.074	803837	20.0
1-Octadecene	14.557	4.8	ng	194865	5	14.074	803837	20.0
Benzo[e]pyrene	15.445	14.0	ng	151826	6	15.574	217496	20.0
Heptadecane, 2-...	16.063	23.6	ng	256800	6	15.574	217496	20.0
unknown17.20	17.209	7.9	ng	86326	6	15.574	217496	20.0
.beta.-Sitosterol	17.727	72.8	ng	791808	6	15.574	217496	20.0
unknown18.30	18.304	36.9	ng	401307	6	15.574	217496	20.0
unknown18.45	18.456	19.4	ng	211030	6	15.574	217496	20.0
Hop-22(29)-en-3...	18.568	24.2	ng	262798	6	15.574	217496	20.0