

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
 Data File : BF122746.D
 Acq On : 16 Dec 2020 13:05
 Operator : JU/CG
 Sample : L5091-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20057

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122746.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.246	22	27	35	rVB	72526	94849	1.63%	0.133%
2	5.057	499	505	517	rBV	95175	158875	2.72%	0.223%
3	5.440	565	570	573	rBV	3942492	4474127	76.69%	6.291%
4	5.975	657	661	666	rVB	232559	197465	3.38%	0.278%
5	6.451	736	742	745	rBV	3817530	4858104	83.27%	6.830%
6	6.645	772	775	781	rBV3	92971	121127	2.08%	0.170%
7	6.816	800	804	811	rVB	1495749	1261772	21.63%	1.774%
8	7.381	894	900	903	rBV	2949661	3226318	55.30%	4.536%
9	7.786	965	969	972	rBV	132987	107540	1.84%	0.151%
10	8.098	1017	1022	1025	rBV	1895137	1744939	29.91%	2.453%
11	8.528	1090	1095	1099	rBV	66856	76933	1.32%	0.108%
12	9.181	1199	1206	1209	rBV	5592691	5834335	100.00%	8.203%
13	9.257	1214	1219	1221	rBV2	86928	85554	1.47%	0.120%
14	9.510	1260	1262	1265	rBV	111524	115449	1.98%	0.162%
15	9.569	1269	1272	1276	rVV	612493	523747	8.98%	0.736%
16	9.628	1279	1282	1287	rVB	60080	73047	1.25%	0.103%
17	9.716	1294	1297	1301	rBV	114392	103423	1.77%	0.145%
18	9.857	1314	1321	1324	rBV	2254213	2101435	36.02%	2.955%
19	9.886	1324	1326	1329	rVB	135027	115451	1.98%	0.162%
20	10.057	1351	1355	1358	rVV	137215	141508	2.43%	0.199%
21	10.098	1358	1362	1368	rVB2	79890	85690	1.47%	0.120%
22	10.169	1371	1374	1377	rBV	95522	98289	1.68%	0.138%
23	10.263	1386	1390	1392	rBV2	90039	116214	1.99%	0.163%
24	10.286	1392	1394	1396	rVB2	95060	75570	1.30%	0.106%
25	10.398	1410	1413	1416	rBV2	161172	146026	2.50%	0.205%
26	10.510	1430	1432	1437	rVV4	72938	88563	1.52%	0.125%
27	10.557	1437	1440	1444	rVB2	81423	87501	1.50%	0.123%
28	10.645	1449	1455	1459	rBV	3625682	3901939	66.88%	5.486%
29	10.675	1459	1460	1466	rVB4	67013	85895	1.47%	0.121%
30	10.763	1471	1475	1482	rVB3	178153	273485	4.69%	0.385%
31	10.951	1502	1507	1509	rBV3	91343	112837	1.93%	0.159%
32	11.080	1524	1529	1531	rBV3	80231	123495	2.12%	0.174%
33	11.098	1531	1532	1537	rVV2	84735	82189	1.41%	0.116%
34	11.145	1537	1540	1543	rVV2	126925	122803	2.10%	0.173%
35	11.204	1543	1550	1553	rVV6	126109	234873	4.03%	0.330%
36	11.233	1553	1555	1561	rVB	188142	205675	3.53%	0.289%

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37	11.339	1569	1573	1575	rBV	2136778	2006362	34.39%	2.821%
38	11.363	1575	1577	1581	rVV	1820911	1458722	25.00%	2.051%
39	11.416	1583	1586	1589	rVB	337549	264577	4.53%	0.372%
40	11.451	1589	1592	1595	rBV2	93321	111945	1.92%	0.157%
41	11.569	1609	1612	1614	rBV	135085	113180	1.94%	0.159%
42	11.633	1621	1623	1625	rVV	150349	99234	1.70%	0.140%
43	11.669	1626	1629	1635	rVB2	194370	196352	3.37%	0.276%
44	11.757	1641	1644	1647	rVB	96756	101686	1.74%	0.143%
45	11.839	1655	1658	1661	rVV	465399	484915	8.31%	0.682%
46	11.880	1661	1665	1669	rVV2	1601490	2160704	37.03%	3.038%
47	11.916	1669	1671	1673	rVV	228634	242906	4.16%	0.342%
48	11.951	1674	1677	1680	rVV	725877	842648	14.44%	1.185%
49	11.974	1680	1681	1686	rVV	399344	289161	4.96%	0.407%
50	12.045	1690	1693	1696	rVV3	133216	153837	2.64%	0.216%
51	12.074	1696	1698	1701	rVV	134601	103139	1.77%	0.145%
52	12.139	1705	1709	1711	rVV	314049	347629	5.96%	0.489%
53	12.163	1711	1713	1719	rVB2	240635	263405	4.51%	0.370%
54	12.269	1728	1731	1732	rBV	108404	86526	1.48%	0.122%
55	12.286	1732	1734	1737	rVV	188468	164607	2.82%	0.231%
56	12.316	1737	1739	1741	rVV	192678	168523	2.89%	0.237%
57	12.339	1741	1743	1746	rVB2	143222	128402	2.20%	0.181%
58	12.392	1748	1752	1755	rBV	512800	518485	8.89%	0.729%
59	12.427	1755	1758	1760	rVV2	288553	323518	5.55%	0.455%
60	12.451	1760	1762	1764	rVB	133476	92354	1.58%	0.130%
61	12.480	1764	1767	1771	rBV2	253041	302201	5.18%	0.425%
62	12.557	1776	1780	1783	rBV	2500831	2153577	36.91%	3.028%
63	12.598	1783	1787	1789	rBV	131764	120670	2.07%	0.170%
64	12.669	1793	1799	1804	rBV	2286780	2954372	50.64%	4.154%
65	12.786	1813	1819	1824	rVV	2244646	2606834	44.68%	3.665%
66	12.839	1824	1828	1832	rVB2	200318	274525	4.71%	0.386%
67	12.933	1839	1844	1847	rVB	5333071	5554255	95.20%	7.809%
68	12.998	1851	1855	1859	rBV3	277655	431472	7.40%	0.607%
69	13.057	1863	1865	1867	rBV2	116646	91116	1.56%	0.128%
70	13.092	1867	1871	1872	rBV2	211076	250221	4.29%	0.352%
71	13.110	1872	1874	1877	rVB	418561	364351	6.24%	0.512%
72	13.174	1883	1885	1888	rVB	184323	154250	2.64%	0.217%
73	13.216	1888	1892	1895	rBV2	423218	439635	7.54%	0.618%
74	13.310	1905	1908	1910	rBV	265323	222959	3.82%	0.313%
75	13.339	1910	1913	1916	rVB	280407	230404	3.95%	0.324%
76	13.616	1958	1960	1965	rVB	324172	348086	5.97%	0.489%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.727	1975	1979	1982	rBV3	324895	380326	6.52%	0.535%
78	13.757	1982	1984	1986	rVV	249018	194143	3.33%	0.273%
79	13.780	1986	1988	1994	rVV3	159795	291704	5.00%	0.410%
80	13.827	1994	1996	1999	rVB	296766	246326	4.22%	0.346%
81	13.898	2001	2008	2015	rVV5	224623	715896	12.27%	1.007%
82	13.980	2017	2022	2025	rVV2	2129185	3083253	52.85%	4.335%
83	14.010	2025	2027	2035	rVV	1132824	1009023	17.29%	1.419%
84	14.068	2035	2037	2038	rVV	103575	77234	1.32%	0.109%
85	14.086	2038	2040	2042	rVB	140165	95664	1.64%	0.135%
86	14.239	2063	2066	2068	rVB2	88093	77087	1.32%	0.108%
87	14.368	2085	2088	2091	rVB	317920	267613	4.59%	0.376%
88	14.398	2091	2093	2097	rVB	161033	143962	2.47%	0.202%
89	14.492	2106	2109	2111	rBV	182938	165118	2.83%	0.232%
90	14.751	2151	2153	2156	rBV2	81011	89299	1.53%	0.126%
91	14.827	2163	2166	2169	rBV	166405	181545	3.11%	0.255%
92	15.015	2194	2198	2205	rBV	822763	1455060	24.94%	2.046%
93	15.121	2213	2216	2219	rVB	142049	133855	2.29%	0.188%
94	15.315	2245	2249	2254	rVB	474041	616692	10.57%	0.867%
95	15.374	2255	2259	2264	rVB	633535	769392	13.19%	1.082%
96	15.439	2265	2270	2273	rBV	1119607	1399228	23.98%	1.967%
97	16.874	2509	2514	2523	rVB2	299385	585098	10.03%	0.823%
98	17.045	2540	2543	2548	rVB	56935	85346	1.46%	0.120%
99	17.104	2550	2553	2558	rVB2	61898	103047	1.77%	0.145%
100	17.309	2582	2588	2599	rVB	238478	480010	8.23%	0.675%

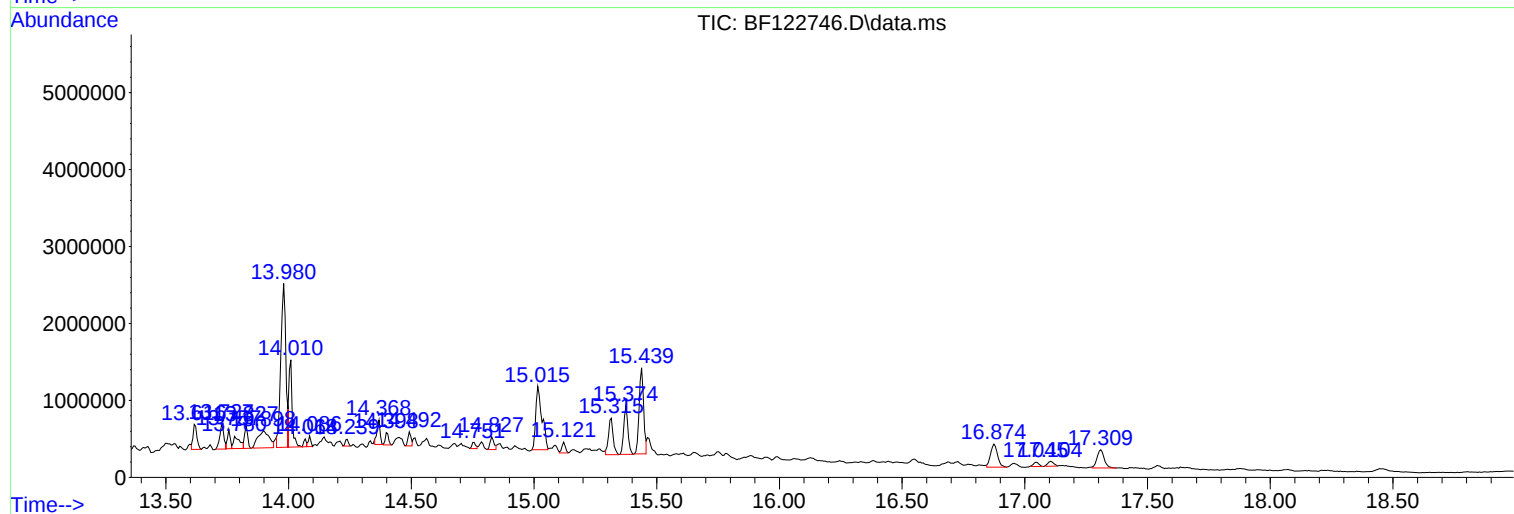
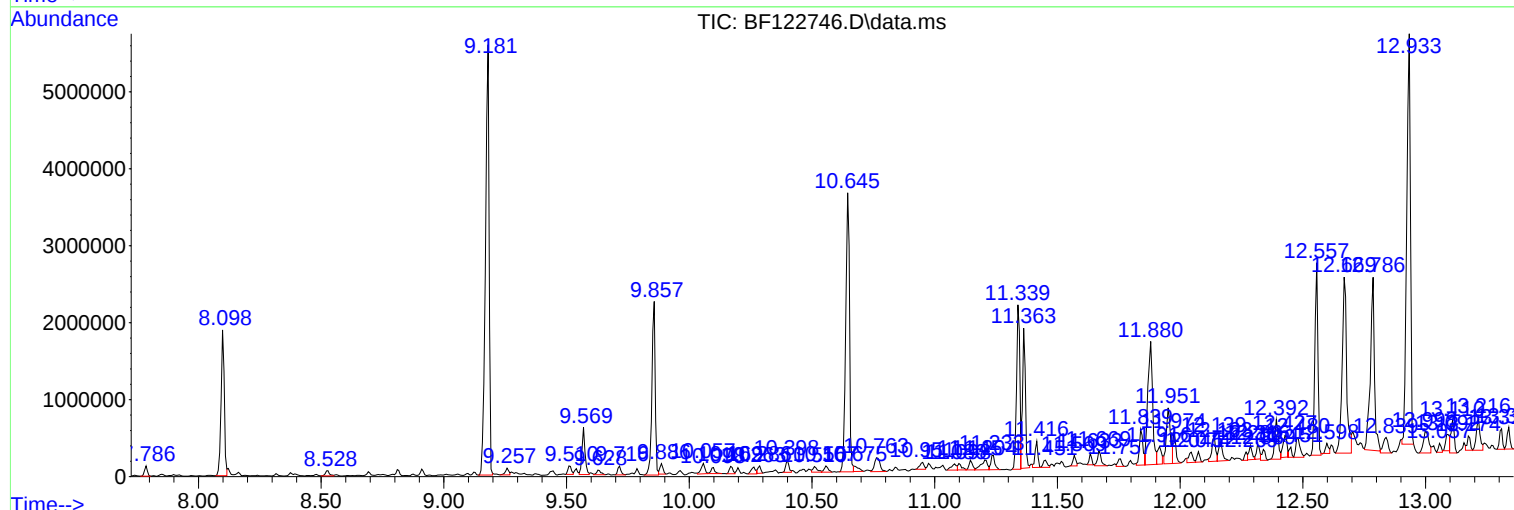
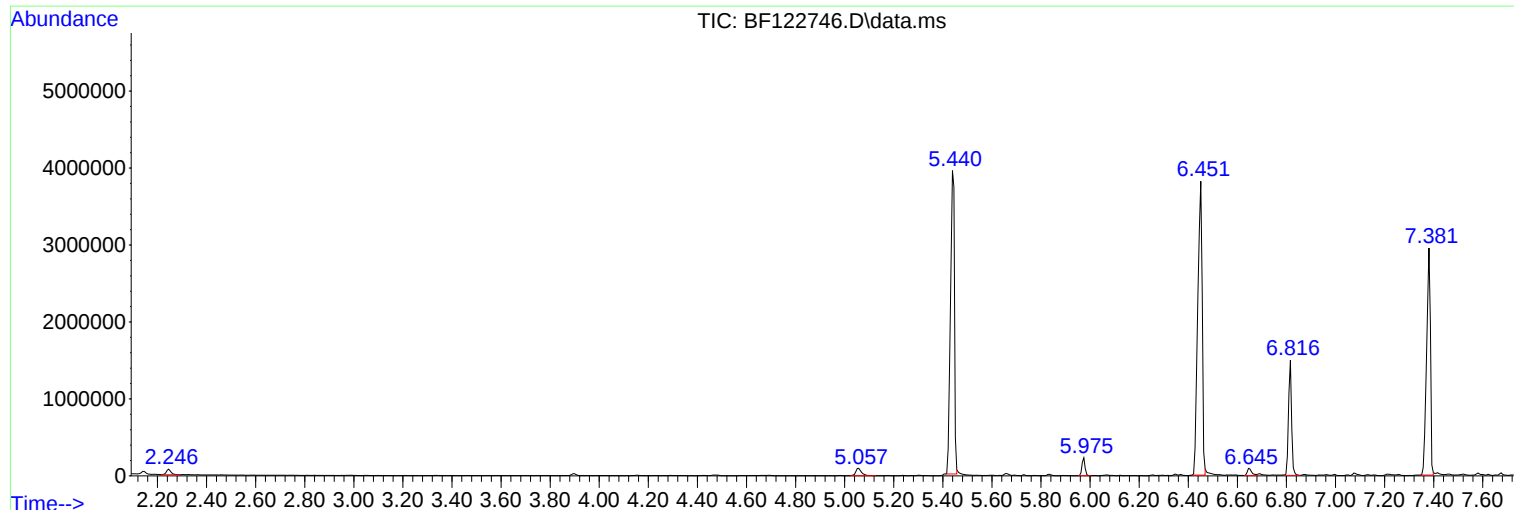
Sum of corrected areas: 71124708

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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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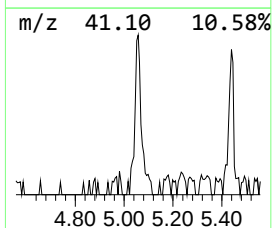
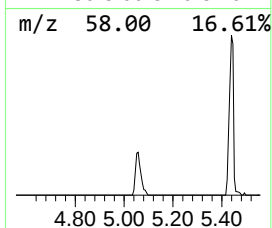
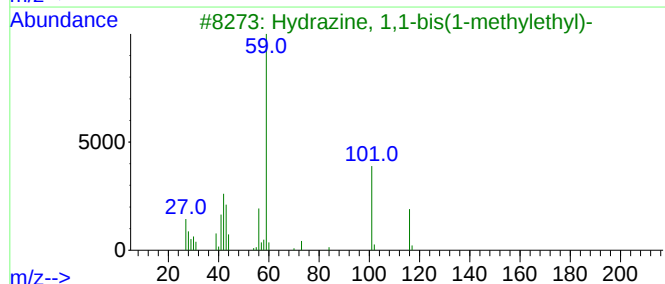
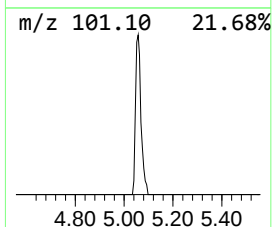
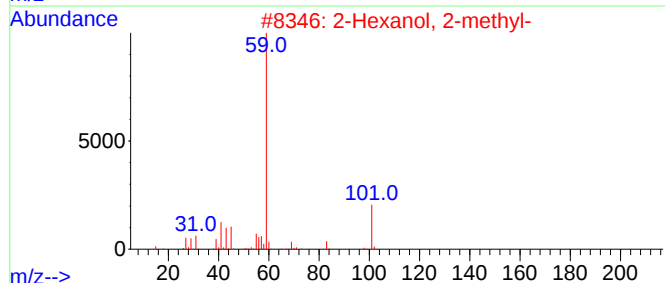
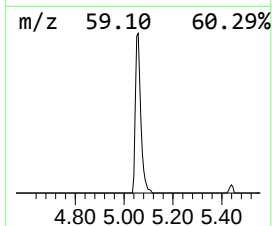
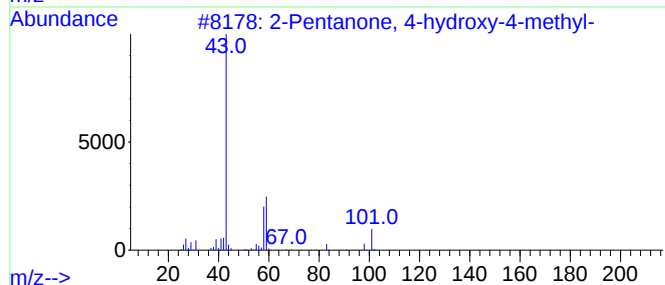
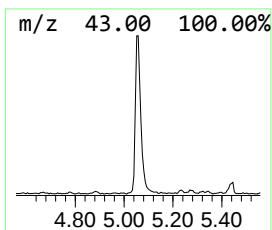
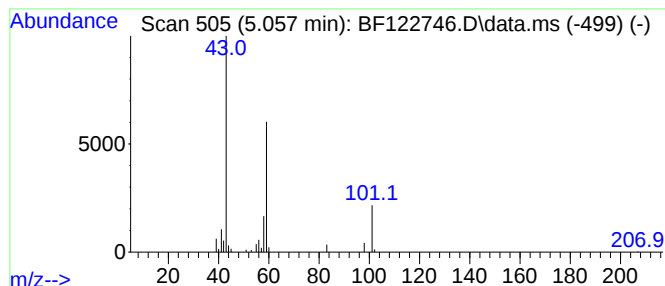
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.057	2.52 ng	158875	1,4-Dichlorobenzene-d4	6.816

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	36
3			Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	25
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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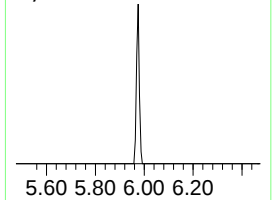
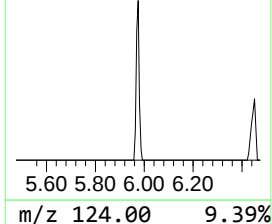
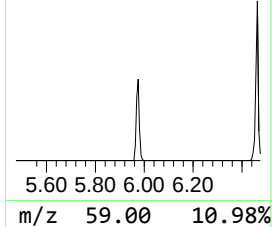
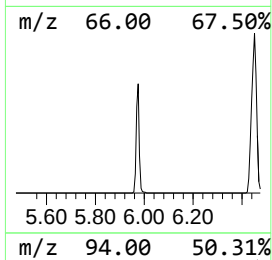
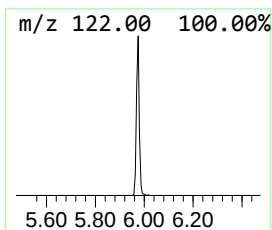
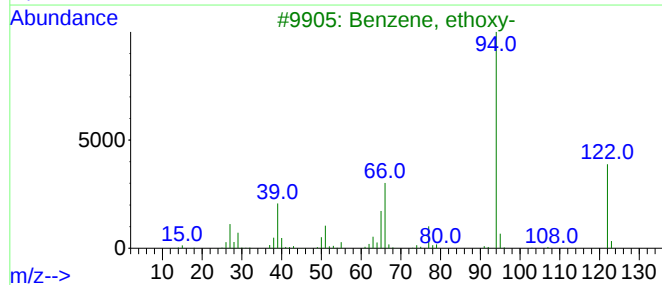
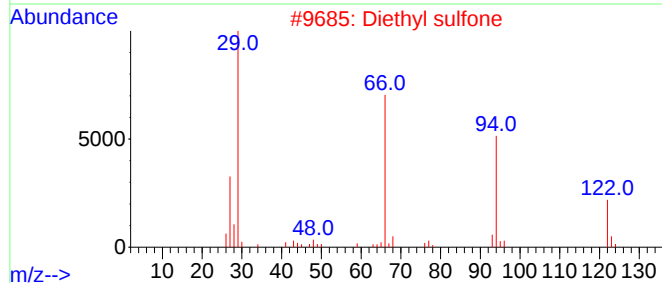
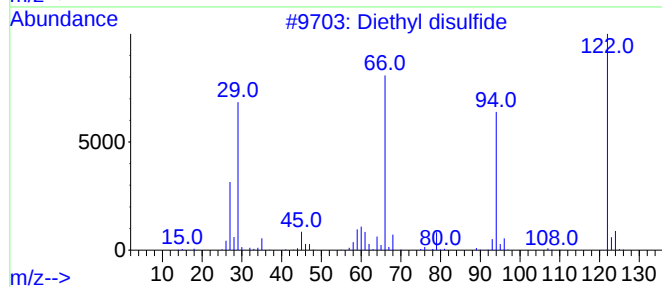
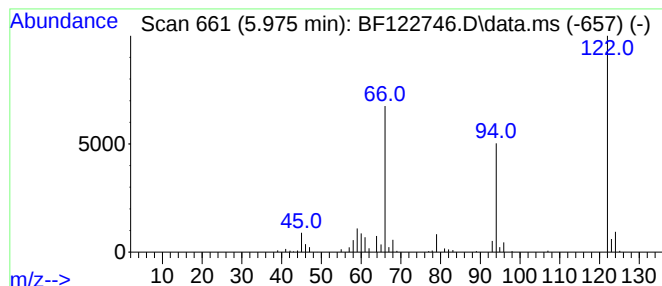
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Diethyl disulfide Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.975	3.13 ng	197465	1,4-Dichlorobenzene-d4	6.816

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diethyl disulfide	122	C4H10S2	000110-81-6	95
2			Diethyl sulfone	122	C4H10O2S	000597-35-3	50
3			Benzene, ethoxy-	122	C8H10O	000103-73-1	45
4			5-exo-Methyl-5-norbornenol	124	C8H12O	003212-13-3	23
5			5-Dodecylbicyclo(2.2.1)-2-heptene	262	C19H34	022094-86-6	23



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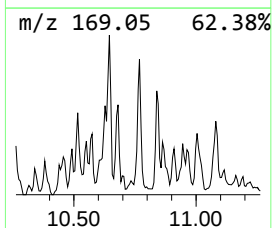
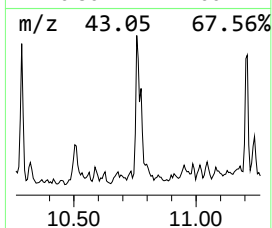
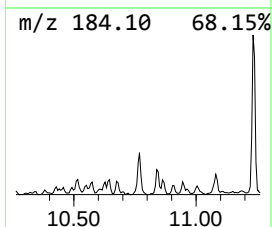
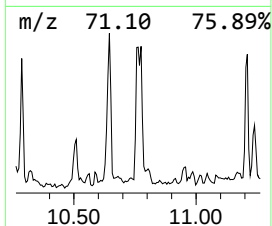
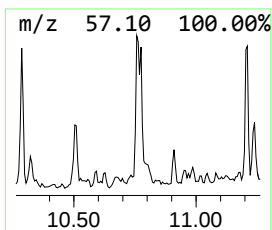
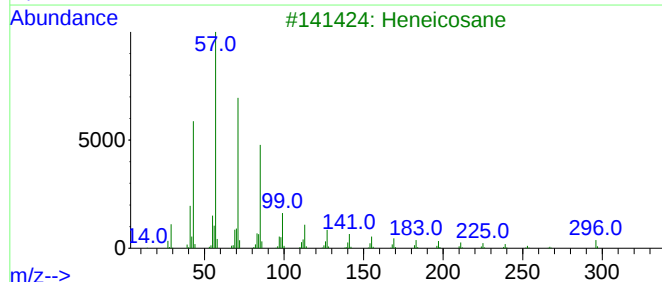
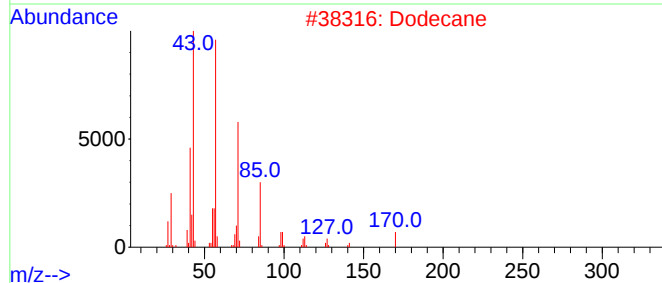
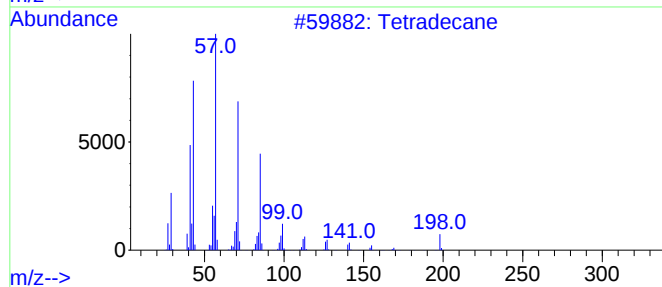
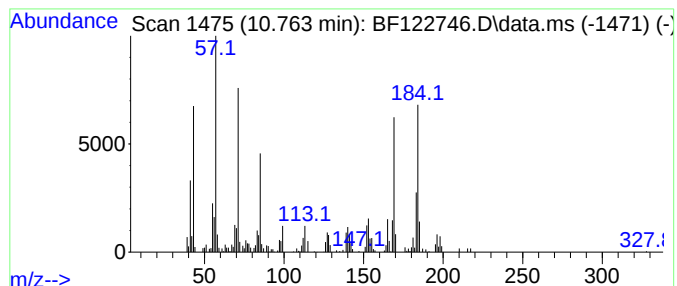
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.763	2.73 ng	273485	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	95
2			Dodecane	170	C12H26	000112-40-3	64
3			Heneicosane	296	C21H44	000629-94-7	45
4			1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	45
5			Hexadecane	226	C16H34	000544-76-3	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20057

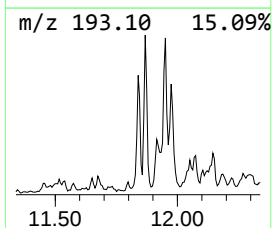
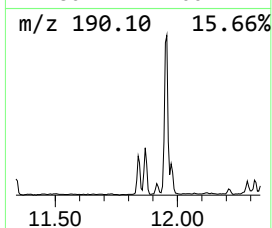
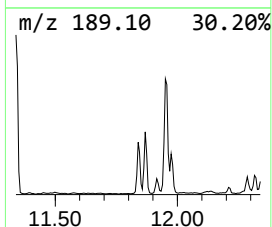
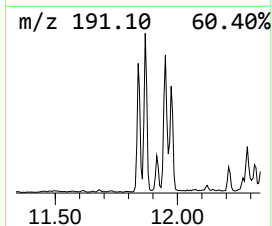
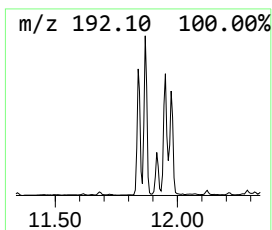
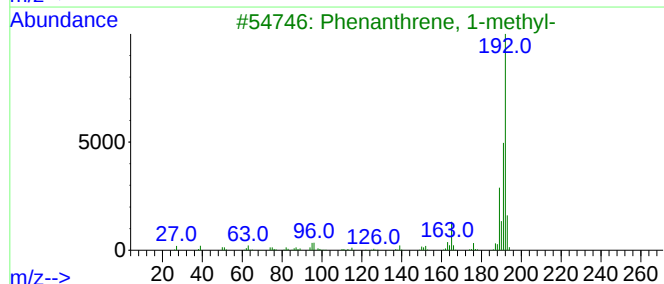
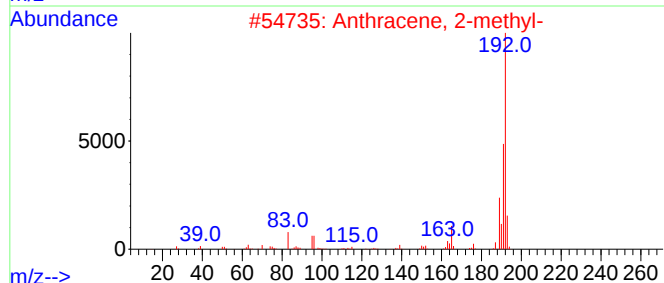
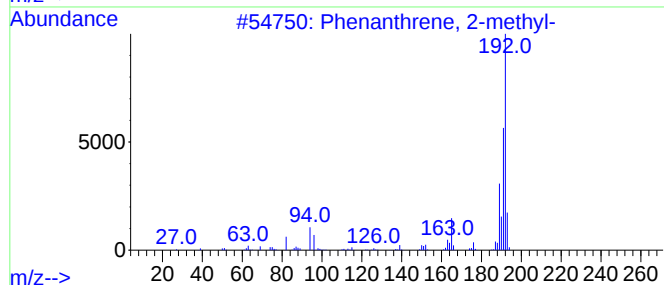
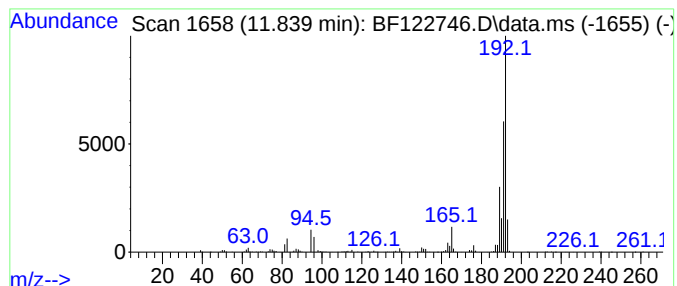
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	4.83 ng	484915	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20057

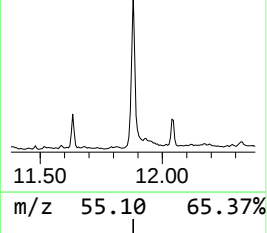
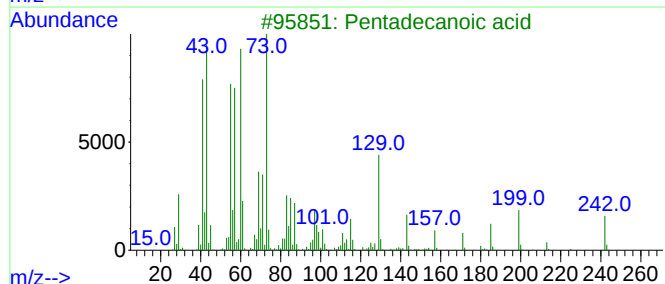
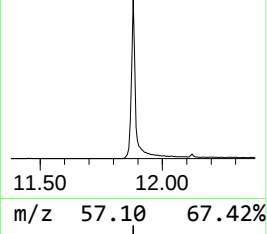
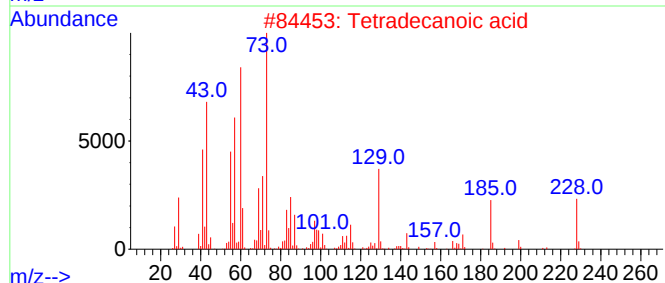
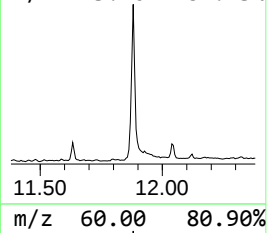
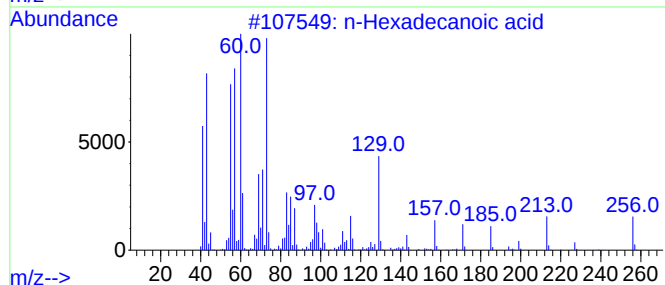
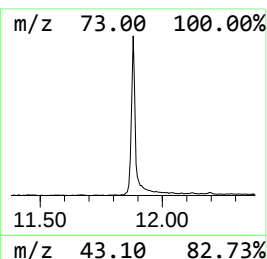
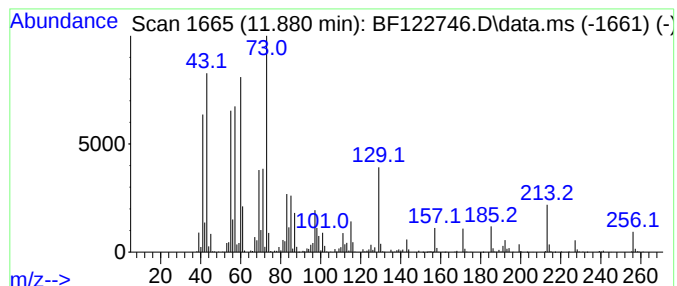
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	21.54 ng	2160700	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tridecanoic acid	214	C13H26O2	000638-53-9	87
5			n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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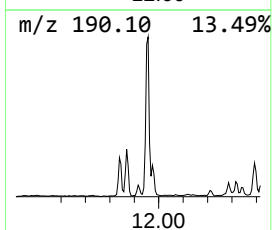
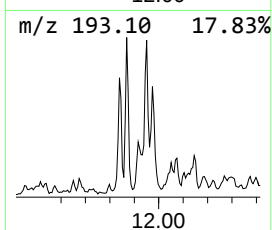
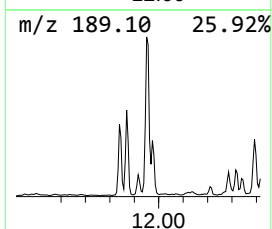
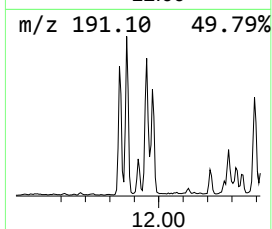
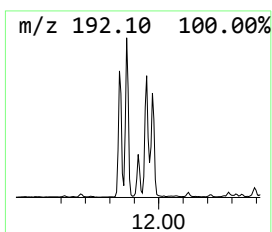
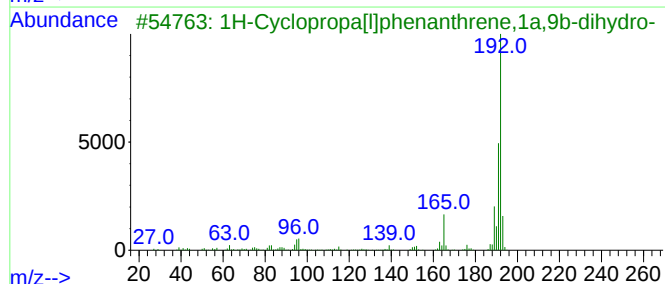
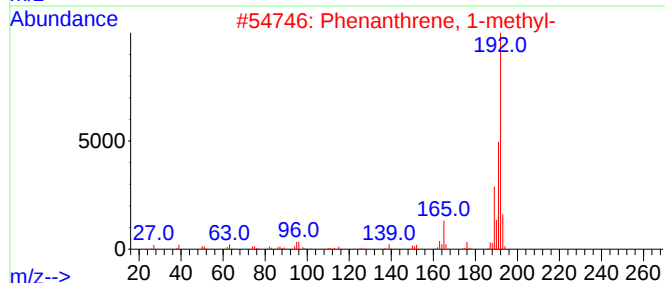
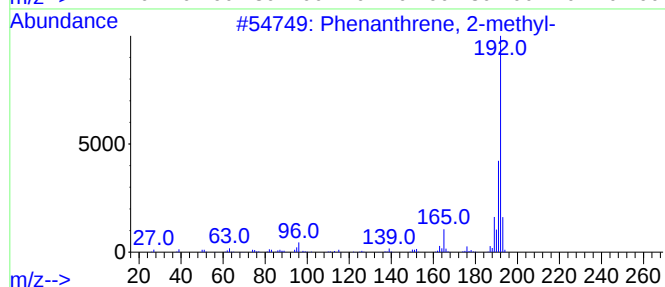
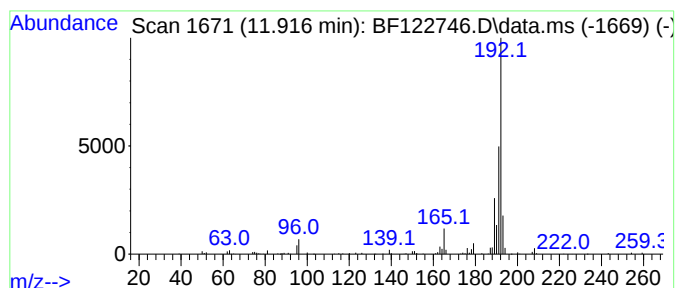
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	2.42 ng	242906	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
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Misc :
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BNA_F
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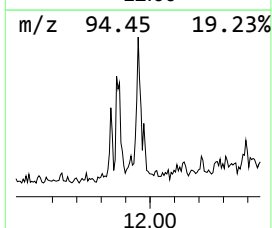
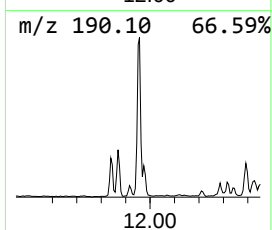
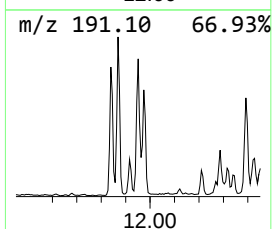
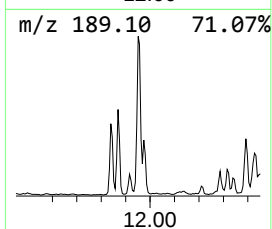
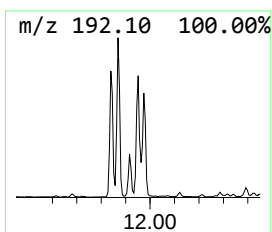
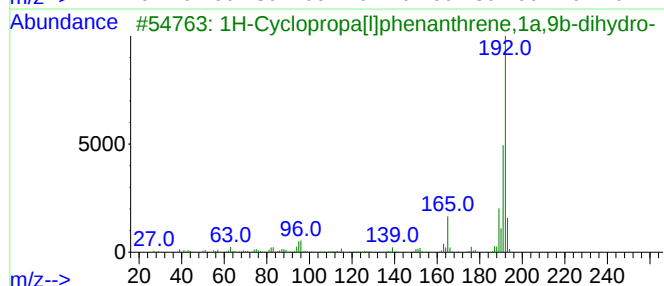
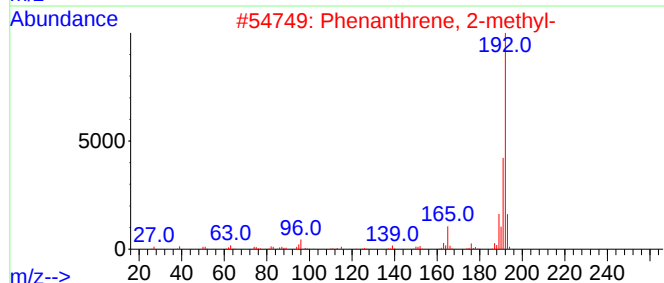
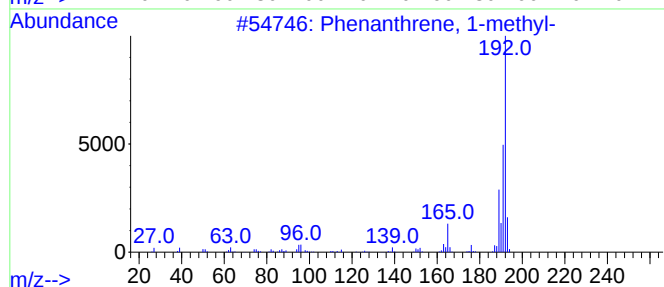
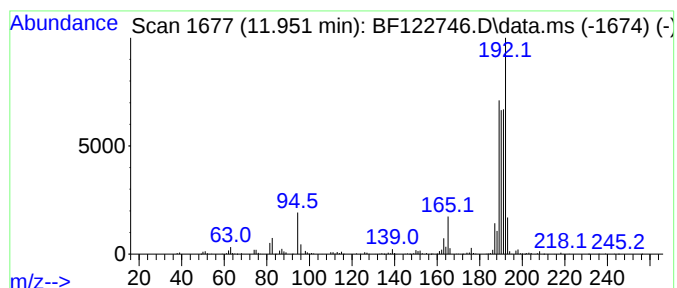
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	8.40 ng	842648	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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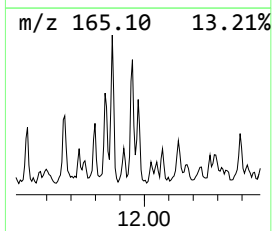
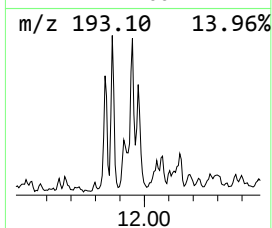
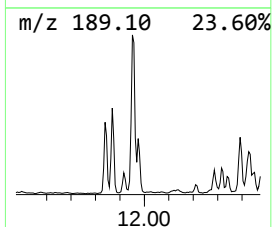
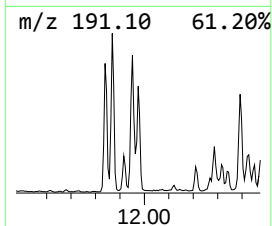
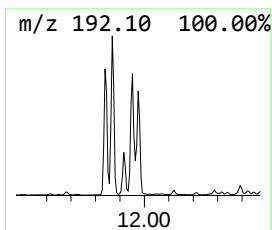
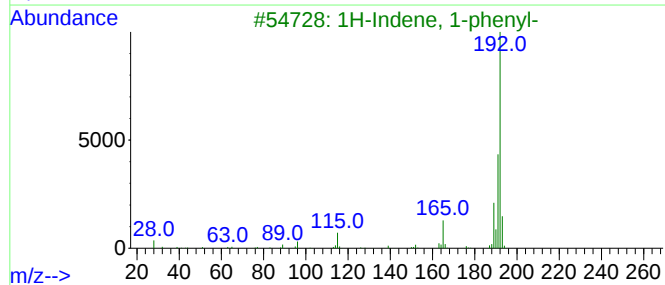
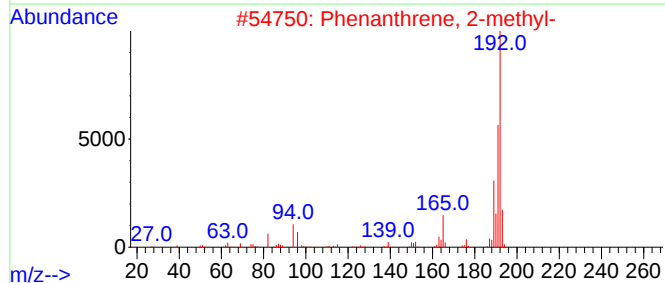
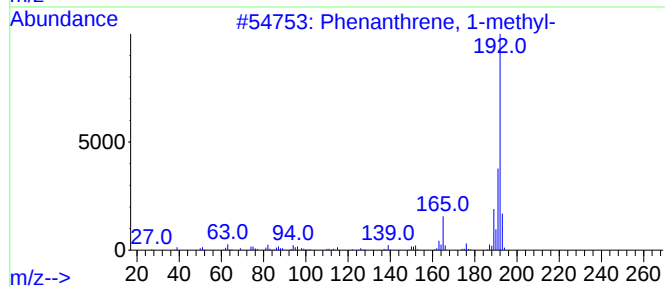
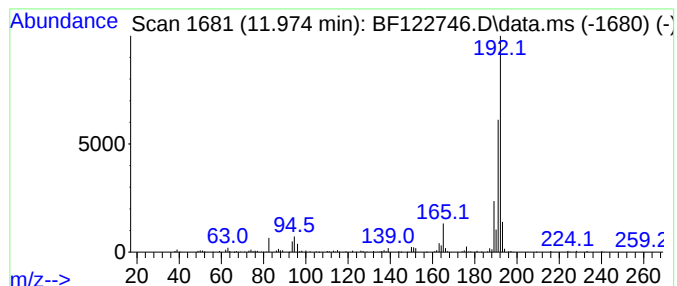
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	2.88 ng	289161	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
4			Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
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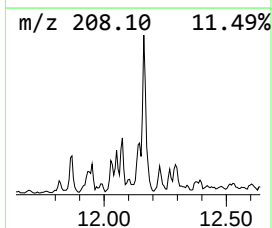
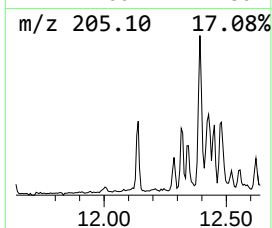
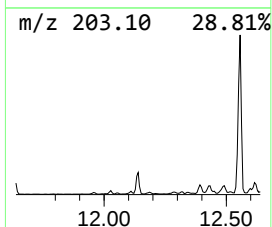
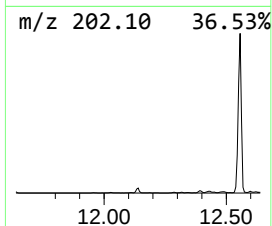
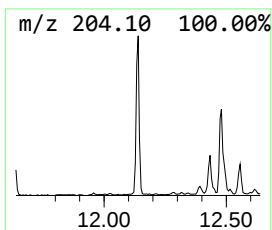
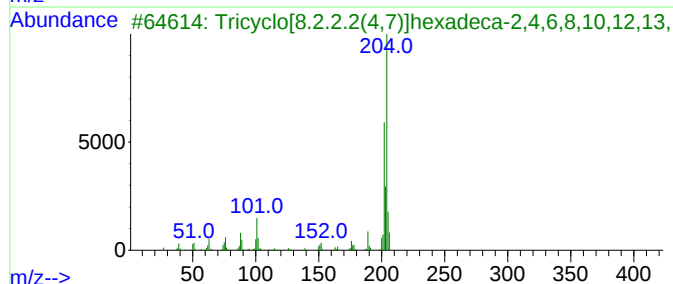
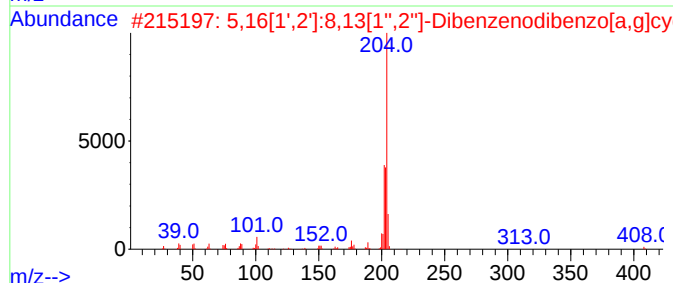
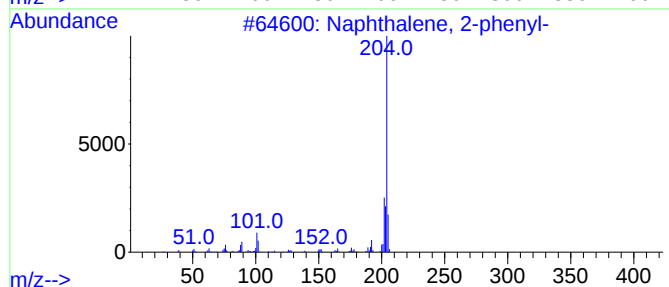
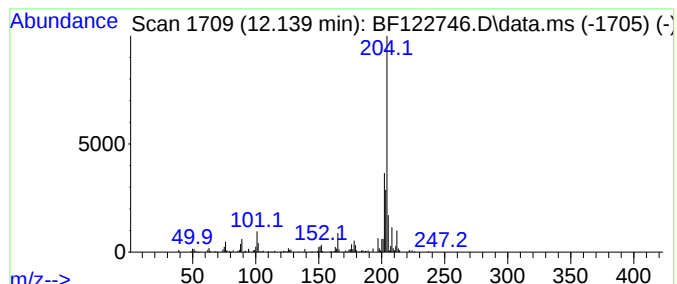
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	3.47 ng	347629	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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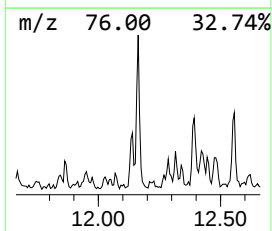
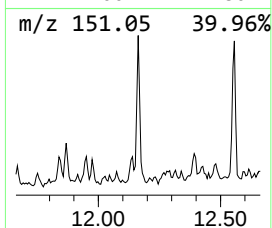
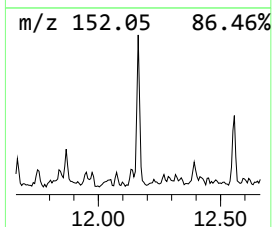
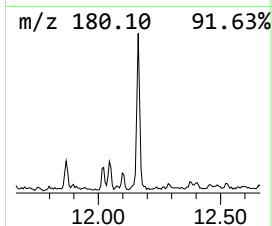
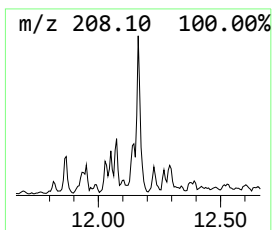
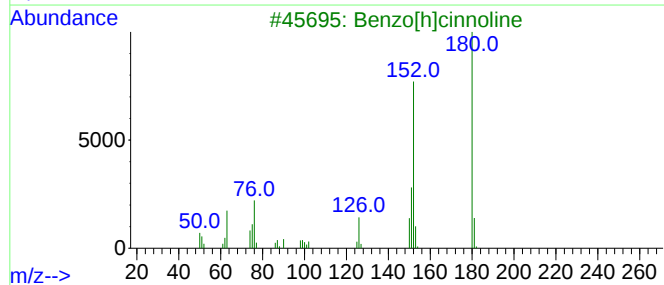
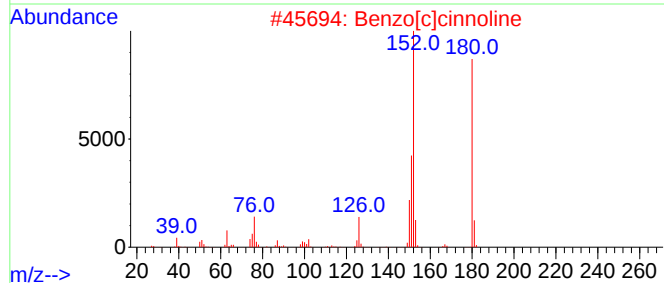
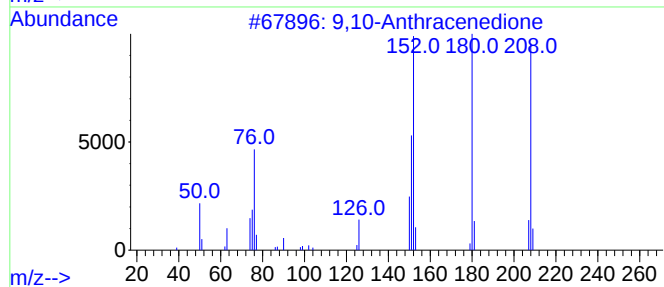
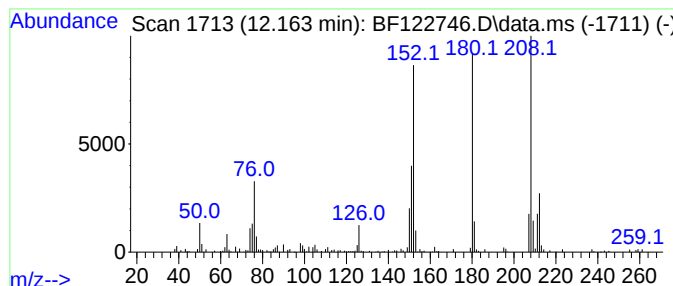
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	2.63 ng	263405	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5			5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20057

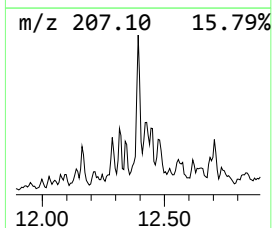
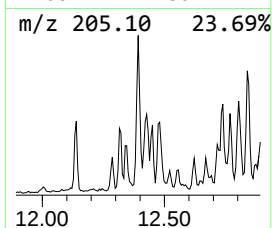
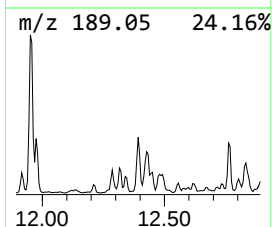
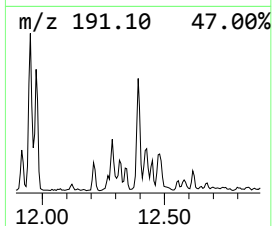
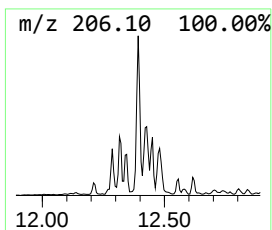
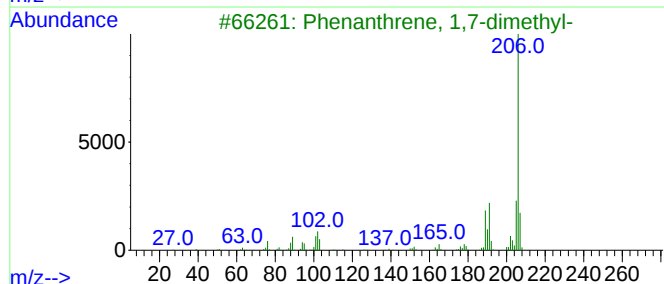
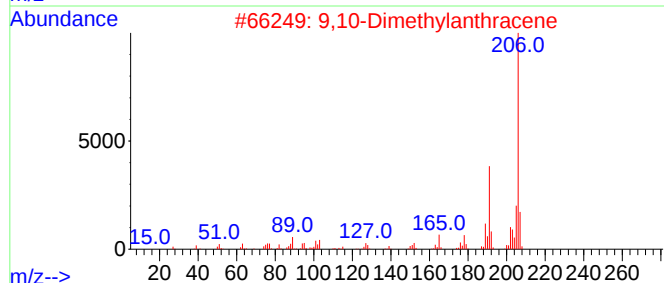
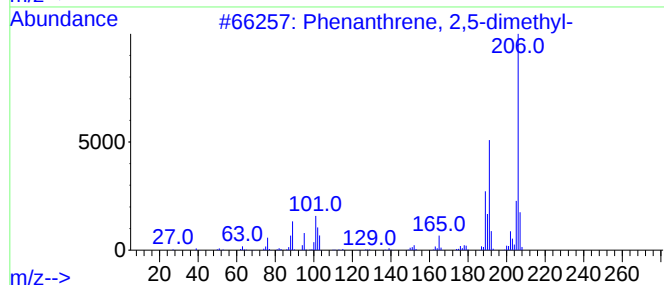
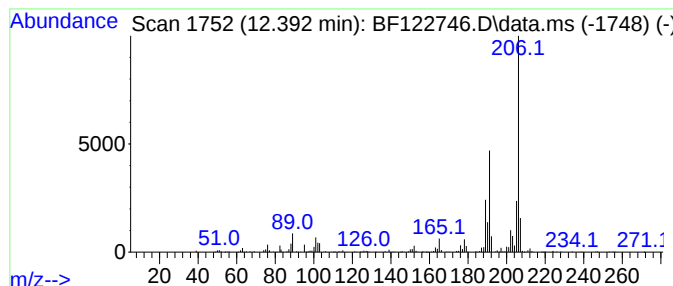
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	5.17 ng	518485	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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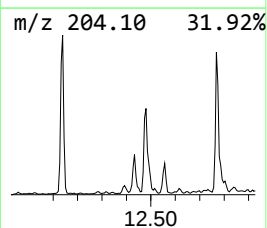
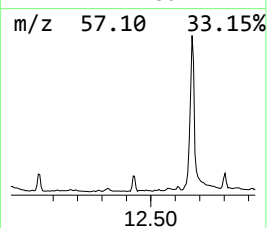
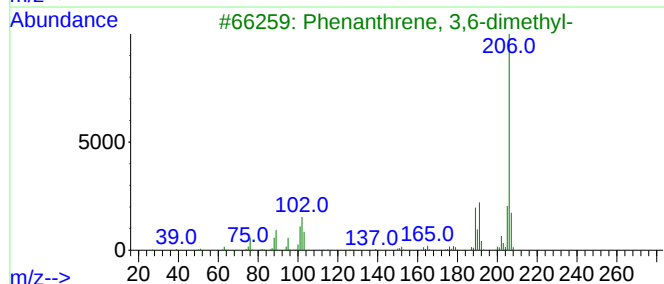
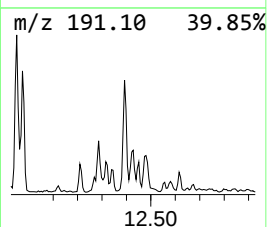
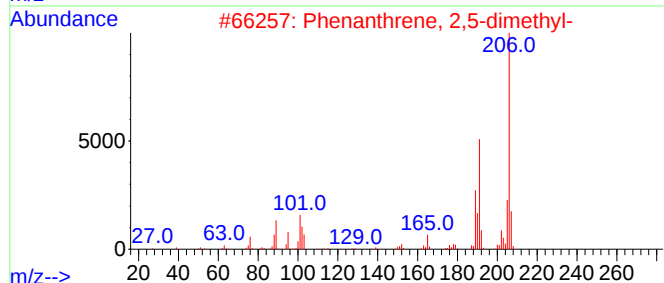
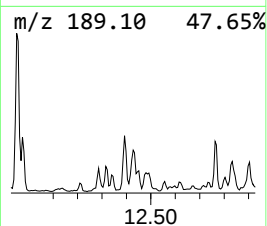
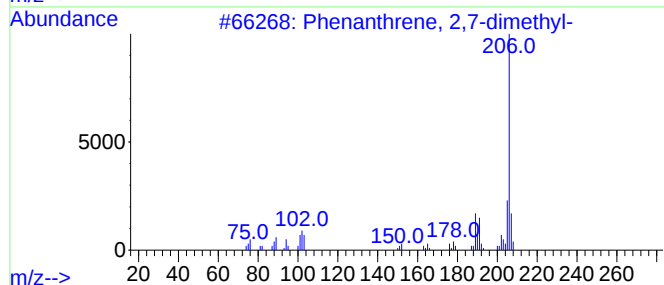
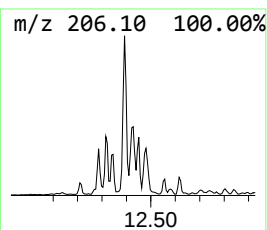
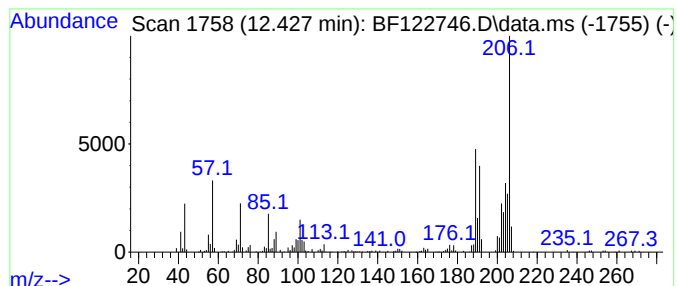
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.22 ng	323518	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	68
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	53
4			9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5			Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20057

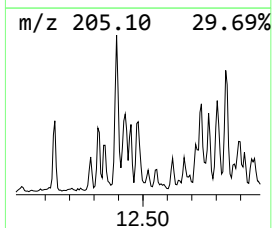
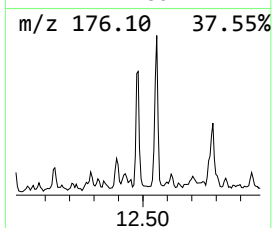
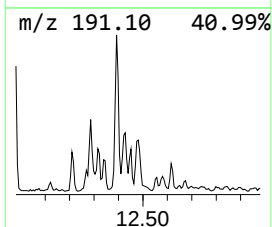
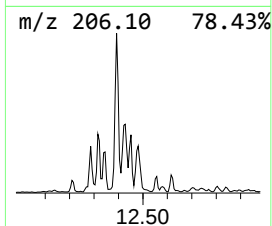
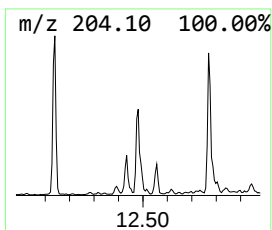
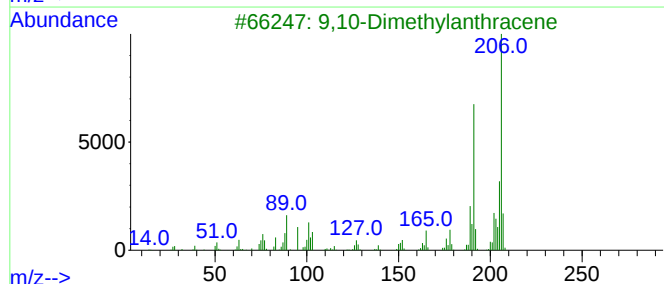
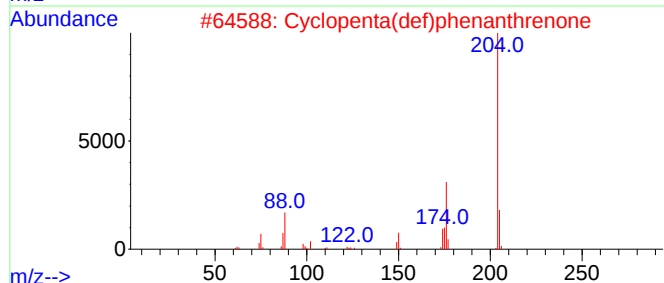
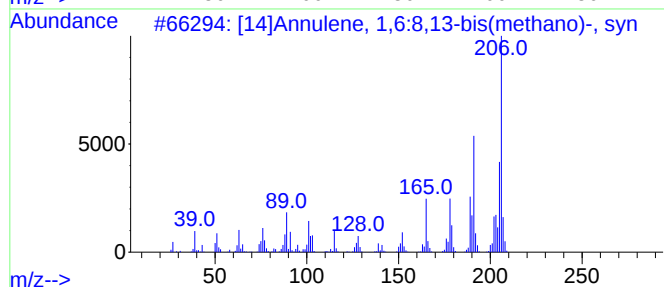
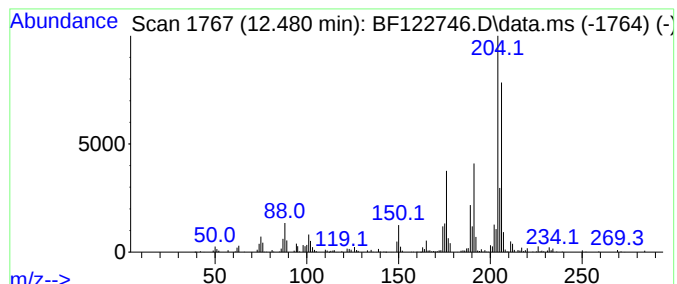
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 [14]Annulene, 1,6:8,13-bis(...) Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	3.01 ng	302201	Phenanthrene-d10	11.339

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	78
2			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	64
4			Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	49
5			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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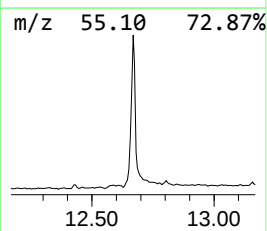
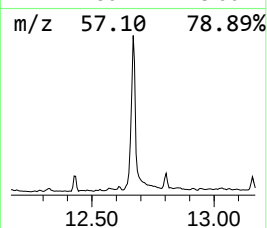
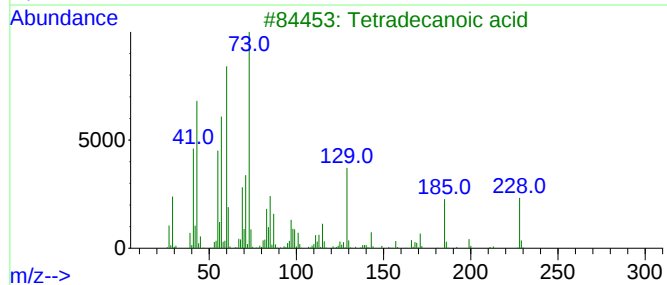
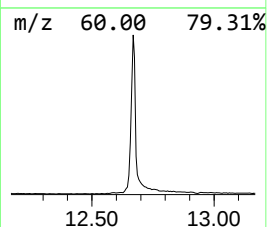
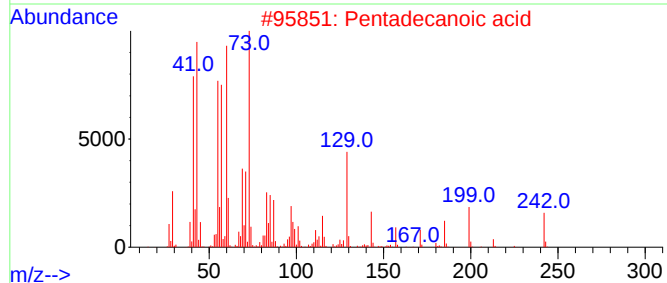
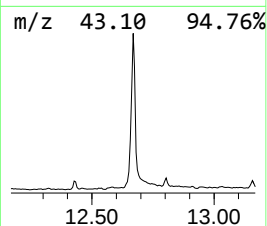
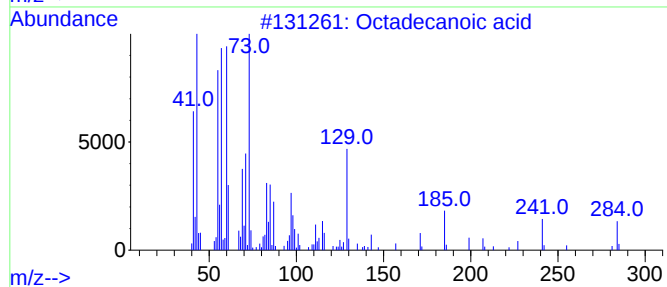
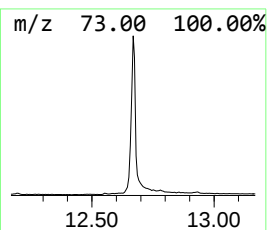
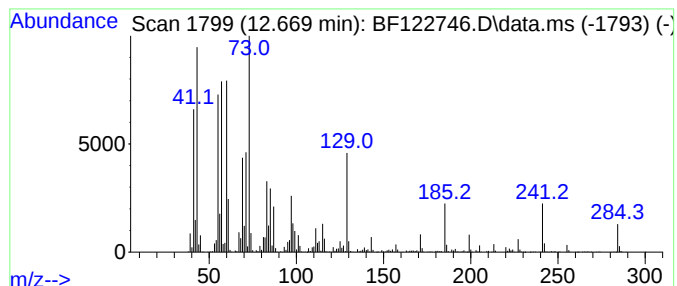
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.669	19.16 ng	2954370	Chrysene-d12	13.980

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4			n-Decanoic acid	172	C10H20O2	000334-48-5	62
5			Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
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Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

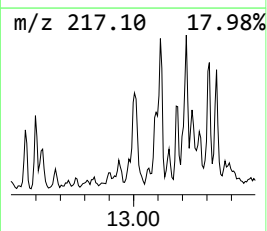
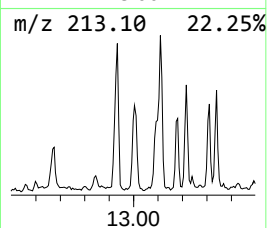
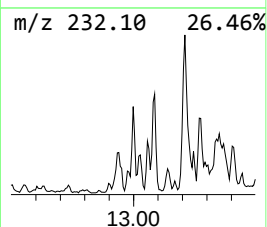
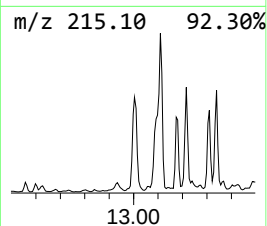
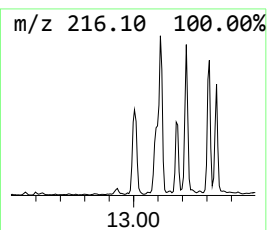
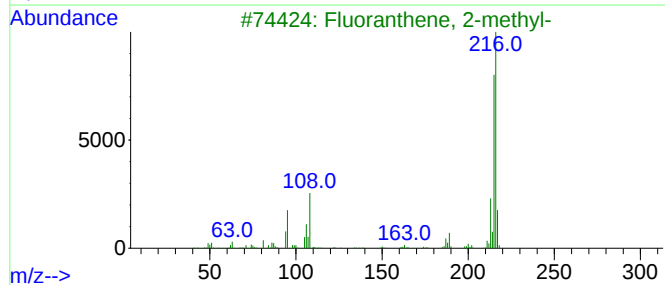
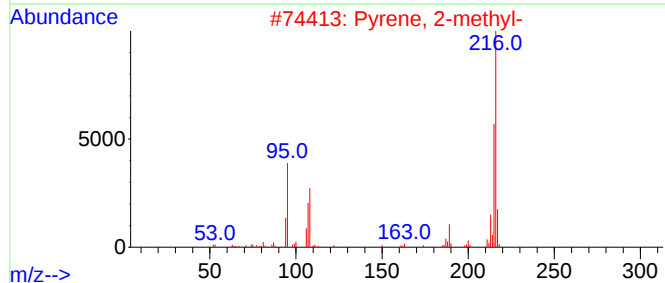
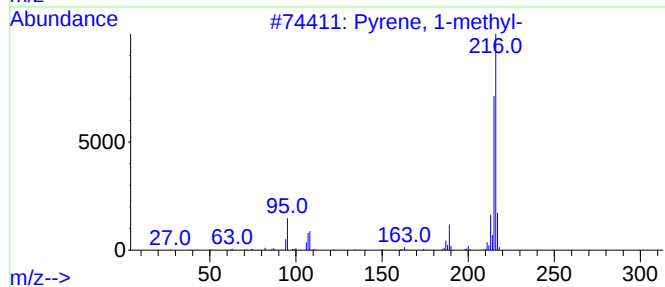
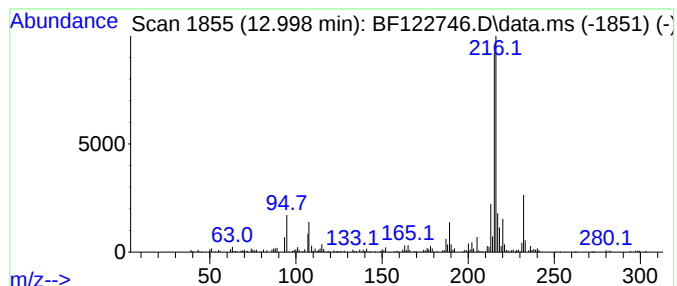
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.998	2.80 ng	431472	Chrysene-d12		13.980	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-		216	C17H12	002381-21-7	89
2	Pyrene, 2-methyl-		216	C17H12	003442-78-2	83
3	Fluoranthene, 2-methyl-		216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene		216	C17H12	000238-84-6	68
5	11H-Benzo[b]fluorene		216	C17H12	000243-17-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
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Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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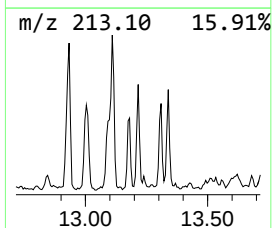
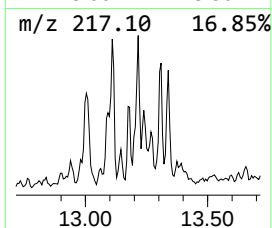
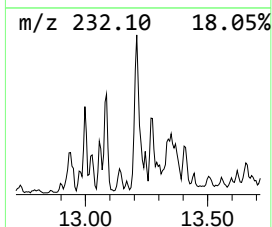
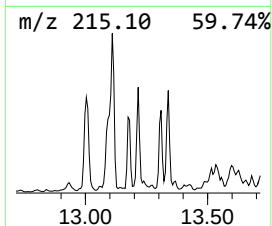
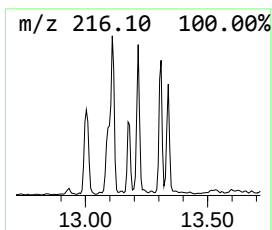
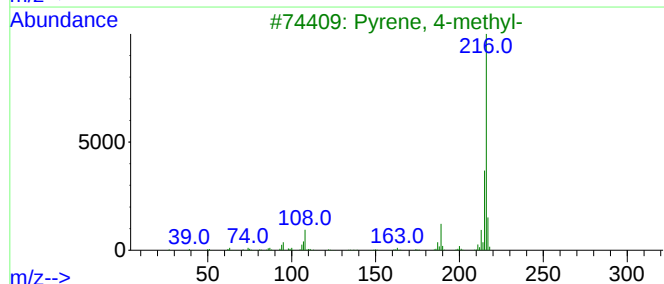
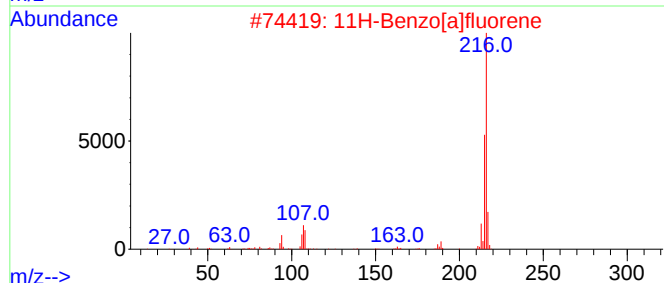
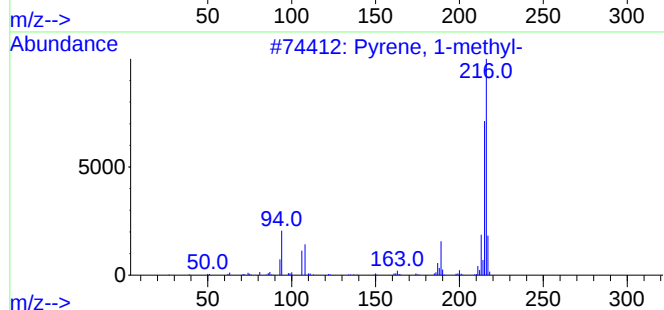
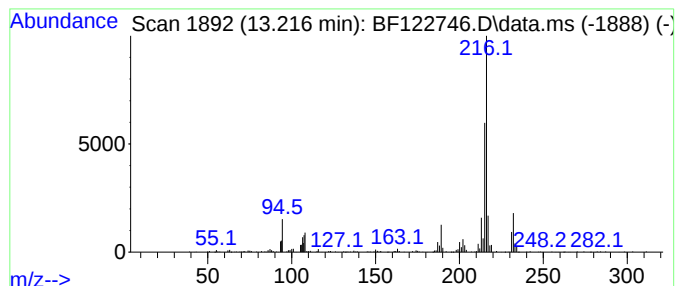
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	2.85 ng	439635	Chrysene-d12	13.980

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3			Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
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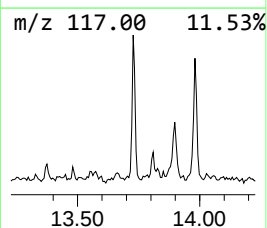
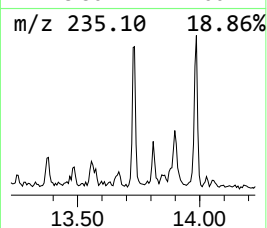
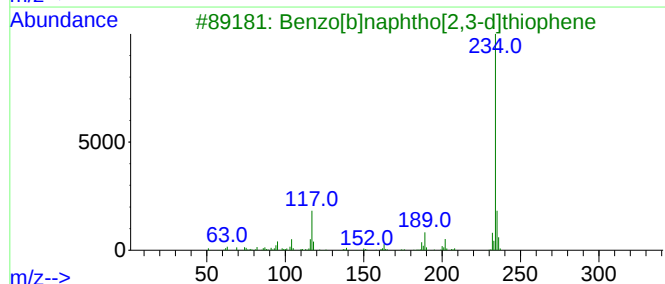
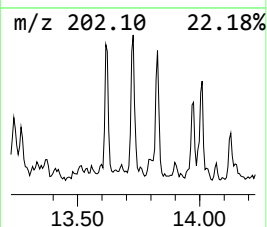
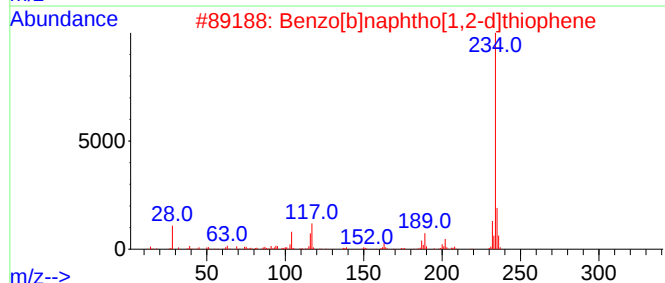
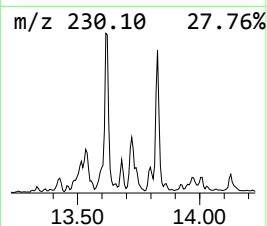
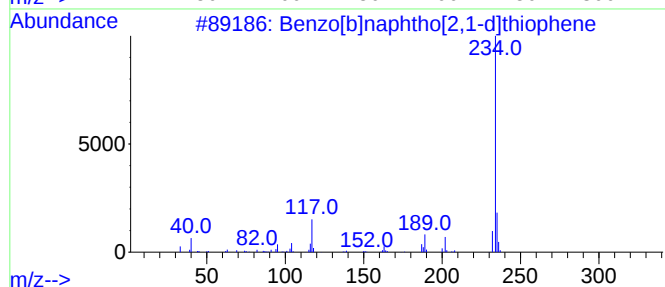
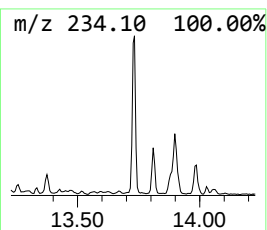
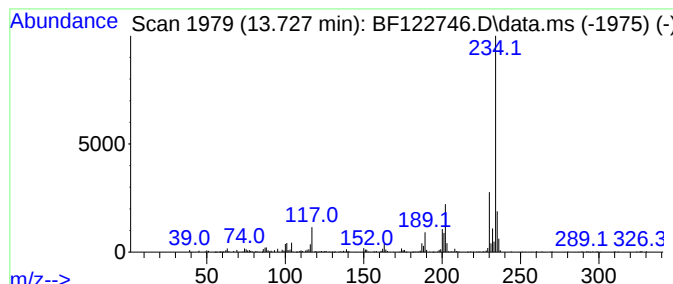
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.727	2.47 ng	380326	Chrysene-d12		13.980	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene		234	C16H10S	000239-35-0	86
2	Benzo[b]naphtho[1,2-d]thiophene		234	C16H10S	000205-43-6	86
3	Benzo[b]naphtho[2,3-d]thiophene		234	C16H10S	000243-46-9	58
4	Cyclohexene, 1,2-diphenyl-		234	C18H18	041317-87-7	47
5	Imidazole, 4-pentafluorophenyl-		234	C9H3F5N2	081769-58-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20057

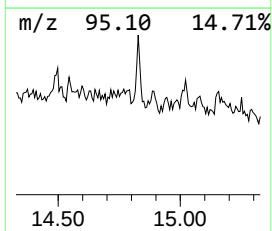
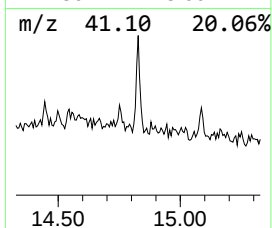
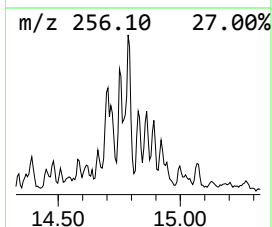
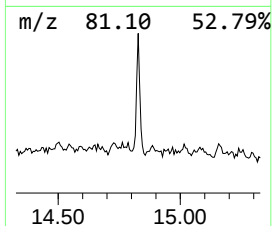
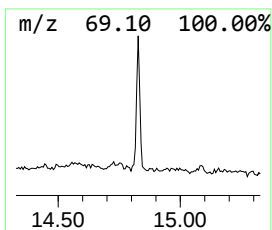
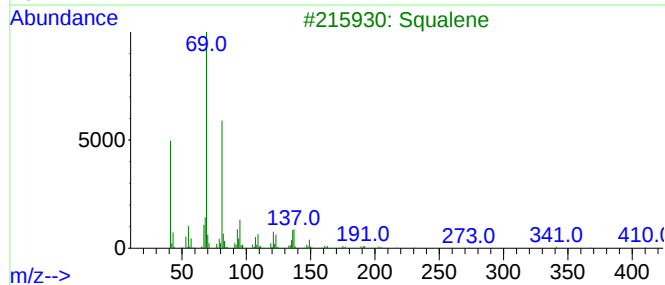
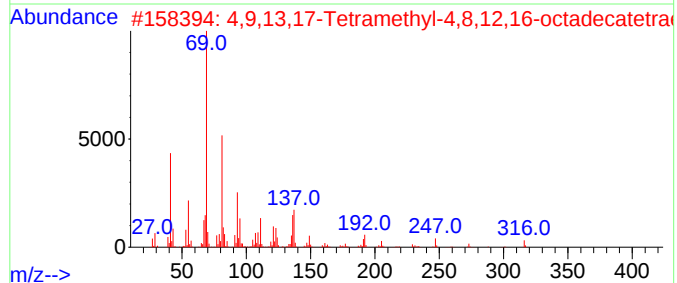
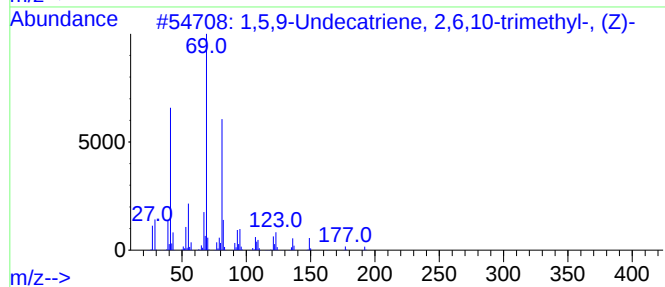
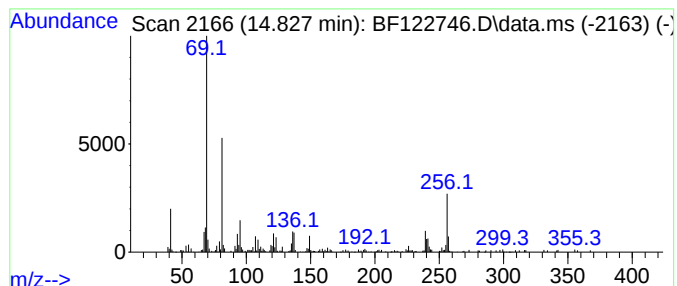
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,5,9-Undecatriene, 2,6,10-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.827	2.59 ng	181545	Perylene-d12	15.439

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	64		
2	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	62		
3	Squalene	410	C30H50	000111-02-4	58		
4	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	53		
5	Supraene	410	C30H50	007683-64-9	52		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
Data File : BF122746.D
Acq On : 16 Dec 2020 13:05
Operator : JU/CG
Sample : L5091-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHRT-20057

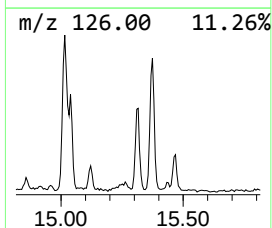
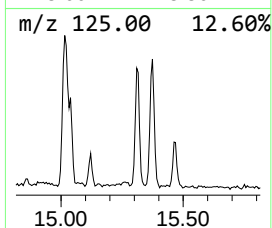
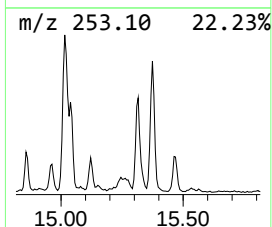
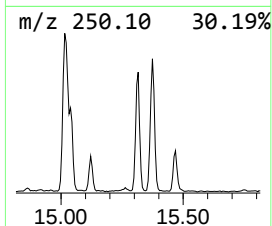
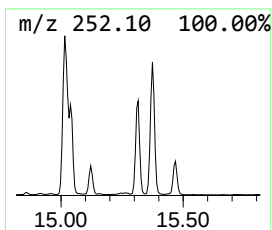
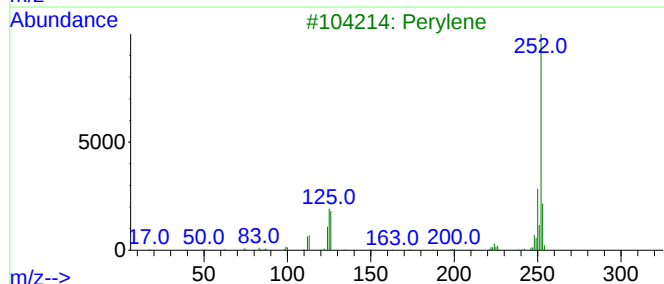
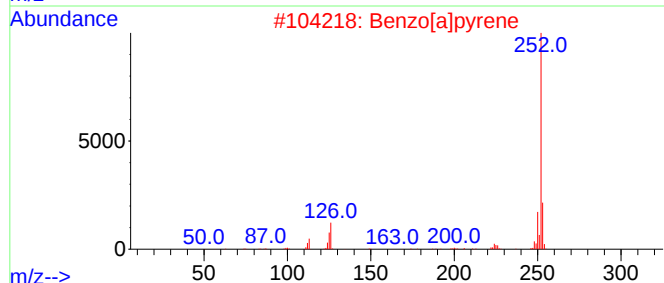
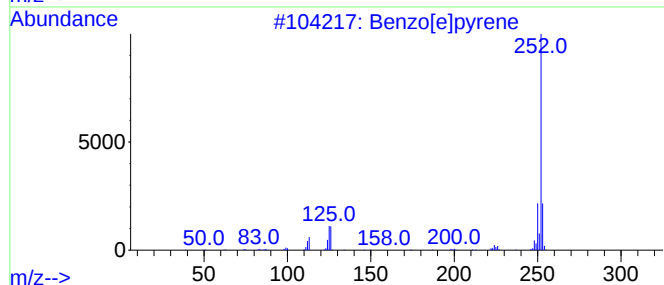
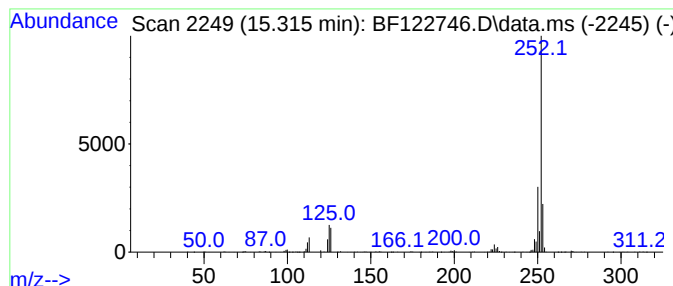
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.315	8.81 ng	616692	Perylene-d12	15.439

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	97
3			Perylene	252	C20H12	000198-55-0	97
4			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
 Data File : BF122746.D
 Acq On : 16 Dec 2020 13:05
 Operator : JU/CG
 Sample : L5091-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20057

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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
2-Pentanone, 4-...	5.057	2.5	ng	158875	1	6.816	1261770	20.0
Diethyl disulfide	5.975	3.1	ng	197465	1	6.816	1261770	20.0
Tetradecane	10.763	2.7	ng	273485	4	11.339	2006360	20.0
Anthracene, 2-m...	11.839	4.8	ng	484915	4	11.339	2006360	20.0
n-Hexadecanoic ...	11.880	21.5	ng	2160700	4	11.339	2006360	20.0
Phenanthrene, 2...	11.916	2.4	ng	242906	4	11.339	2006360	20.0
1H-Cyclopropa[1...	11.951	8.4	ng	842648	4	11.339	2006360	20.0
Phenanthrene, 1...	11.974	2.9	ng	289161	4	11.339	2006360	20.0
Naphthalene, 2-...	12.139	3.5	ng	347629	4	11.339	2006360	20.0
9,10-Anthracene...	12.163	2.6	ng	263405	4	11.339	2006360	20.0
Phenanthrene, 2...	12.392	5.2	ng	518485	4	11.339	2006360	20.0
Phenanthrene, 2...	12.427	3.2	ng	323518	4	11.339	2006360	20.0
[14]Annulene, 1...	12.480	3.0	ng	302201	4	11.339	2006360	20.0
Octadecanoic acid	12.669	19.2	ng	2954370	5	13.980	3083250	20.0
Pyrene, 2-methyl-	12.998	2.8	ng	431472	5	13.980	3083250	20.0
Pyrene, 1-methyl-	13.216	2.9	ng	439635	5	13.980	3083250	20.0
Benzo[b]naphtho...	13.727	2.5	ng	380326	5	13.980	3083250	20.0
1,5,9-Undecatri...	14.827	2.6	ng	181545	6	15.439	1399230	20.0
Benzo[e]pyrene	15.315	8.8	ng	616692	6	15.439	1399230	20.0