

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114235.D
 Acq On : 13 May 2019 18:00
 Operator : JU/SJ
 Sample : K2767-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS011-0002-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF051019.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	13	rVB	1133219	1221676	8.15%	0.764%
2	3.922	307	312	317	rVB	238484	311884	2.08%	0.195%
3	5.463	567	574	575	rBV	180274	205082	1.37%	0.128%
4	5.493	575	579	590	rVB	5065973	5050736	33.71%	3.161%
5	6.504	744	751	761	rBV	4960690	5424444	36.20%	3.394%
6	6.634	768	773	776	rBV	5643932	5183806	34.60%	3.244%
7	6.851	807	810	814	rBV	1827939	1627461	10.86%	1.018%
8	7.010	833	837	841	rBV	4303709	3979961	26.56%	2.491%
9	7.416	901	906	909	rBV	3715551	3469439	23.16%	2.171%
10	8.134	1021	1028	1032	rBV	2352341	2098208	14.00%	1.313%
11	9.210	1205	1211	1214	rBV	6043770	5285377	35.28%	3.307%
12	9.304	1223	1227	1231	rBV3	115416	175561	1.17%	0.110%
13	9.357	1232	1236	1241	rVB2	816348	731660	4.88%	0.458%
14	9.563	1261	1271	1274	rBV2	229187	368786	2.46%	0.231%
15	9.604	1274	1278	1282	rVV2	1045988	1235909	8.25%	0.773%
16	9.892	1323	1327	1330	rBV	2356369	2250288	15.02%	1.408%
17	10.010	1344	1347	1351	rVB	410663	347758	2.32%	0.218%
18	10.057	1351	1355	1358	rBV2	283129	263514	1.76%	0.165%
19	10.680	1457	1461	1470	rBV	3591290	3379415	22.55%	2.115%
20	10.916	1499	1501	1508	rVB2	460661	477247	3.19%	0.299%
21	11.039	1518	1522	1525	rBV2	523249	622790	4.16%	0.390%
22	11.075	1525	1528	1533	rVB	395400	344235	2.30%	0.215%
23	11.204	1547	1550	1554	rBV	795952	692134	4.62%	0.433%
24	11.275	1559	1562	1565	rVB3	242946	247147	1.65%	0.155%
25	11.322	1567	1570	1572	rBV2	289343	338319	2.26%	0.212%
26	11.345	1572	1574	1576	rVV	350852	300094	2.00%	0.188%
27	11.375	1576	1579	1582	rVV	2481847	2262580	15.10%	1.416%
28	11.422	1584	1587	1591	rVB2	615211	795048	5.31%	0.498%
29	11.475	1593	1596	1599	rBV2	437130	417840	2.79%	0.261%
30	11.527	1602	1605	1609	rVB3	368534	452750	3.02%	0.283%
31	11.592	1613	1616	1622	rVB2	439288	446701	2.98%	0.280%
32	11.651	1623	1626	1630	rBV	1955209	1697536	11.33%	1.062%
33	11.710	1633	1636	1638	rBV4	163115	223399	1.49%	0.140%
34	11.739	1638	1641	1644	rVB	805208	665393	4.44%	0.416%

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35	11.827	1652	1656	1660	rBV4	174944	265647	1.77%	0.166%
36	11.904	1666	1669	1676	rBV	1701255	1847069	12.33%	1.156%
37	11.969	1677	1680	1682	rBV	484752	453048	3.02%	0.284%
38	12.074	1695	1698	1703	rVB2	278633	390712	2.61%	0.244%
39	12.233	1722	1725	1727	rBV	245472	236715	1.58%	0.148%
40	12.410	1753	1755	1758	rBV2	183801	175329	1.17%	0.110%
41	12.457	1761	1763	1766	rVV	528247	428139	2.86%	0.268%
42	12.504	1766	1771	1777	rVB3	878131	1118889	7.47%	0.700%
43	12.639	1790	1794	1796	rVB	683388	643823	4.30%	0.403%
44	12.680	1798	1801	1806	rBV	850456	844023	5.63%	0.528%
45	12.827	1824	1826	1828	rVB	238113	177138	1.18%	0.111%
46	12.957	1844	1848	1854	rVB	4367432	4457842	29.75%	2.790%
47	13.051	1861	1864	1867	rBV	556983	448582	2.99%	0.281%
48	13.080	1867	1869	1875	rVB4	248314	343469	2.29%	0.215%
49	13.145	1876	1880	1881	rBV	1457755	1325443	8.85%	0.829%
50	13.163	1881	1883	1885	rVV	1040420	1055849	7.05%	0.661%
51	13.186	1885	1887	1891	rVV	1741345	1377296	9.19%	0.862%
52	13.280	1901	1903	1905	rBV2	200030	186535	1.24%	0.117%
53	13.333	1909	1912	1915	rBV	1584460	1346291	8.99%	0.842%
54	13.363	1915	1917	1922	rBV2	383158	415079	2.77%	0.260%
55	13.404	1922	1924	1926	rBV	303769	229553	1.53%	0.144%
56	13.433	1926	1929	1933	rVB3	722364	820747	5.48%	0.514%
57	13.527	1939	1945	1947	rBV3	674003	1091310	7.28%	0.683%
58	13.551	1947	1949	1953	rVB	825230	715953	4.78%	0.448%
59	13.651	1962	1966	1969	rBV2	1083195	1216680	8.12%	0.761%
60	13.698	1971	1974	1976	rVB	346818	333521	2.23%	0.209%
61	13.857	1995	2001	2008	rBV2	7603267	11069861	73.88%	6.927%
62	13.910	2008	2010	2014	rVB2	517510	538938	3.60%	0.337%
63	13.980	2019	2022	2026	rVV4	420255	642148	4.29%	0.402%
64	14.027	2026	2030	2032	rVV	1591946	1684754	11.24%	1.054%
65	14.051	2032	2034	2037	rVV	1313259	1108168	7.40%	0.693%
66	14.080	2037	2039	2043	rVV	580999	533831	3.56%	0.334%
67	14.180	2053	2056	2062	rVB2	1294109	1606575	10.72%	1.005%
68	14.274	2069	2072	2075	rBV2	542072	551148	3.68%	0.345%
69	14.310	2075	2078	2082	rVV2	838766	922950	6.16%	0.578%
70	14.363	2085	2087	2090	rBV	250840	244830	1.63%	0.153%
71	14.510	2106	2112	2118	rBV2	9599943	14983037	100.00%	9.376%

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72	14.557	2118	2120	2125	rVB	600232	658346	4.39%	0.412%
73	14.627	2130	2132	2134	rBV	339073	258436	1.72%	0.162%
74	14.727	2146	2149	2157	rBV2	689917	1219924	8.14%	0.763%
75	14.810	2159	2163	2165	rBV	1364526	1575165	10.51%	0.986%
76	14.886	2173	2176	2184	rVB2	837042	1016816	6.79%	0.636%
77	14.957	2184	2188	2193	rVB	1439530	1506357	10.05%	0.943%
78	15.151	2217	2221	2224	rBV	3366042	4908124	32.76%	3.071%
79	15.180	2224	2226	2231	rVV	3519309	4275585	28.54%	2.676%
80	15.233	2232	2235	2246	rVV2	1303932	2166717	14.46%	1.356%
81	15.315	2247	2249	2256	rVB2	500470	628433	4.19%	0.393%
82	15.527	2280	2285	2289	rBV3	1834552	2685348	17.92%	1.680%
83	15.733	2315	2320	2324	rBV	1686110	2503084	16.71%	1.566%
84	15.974	2355	2361	2365	rBV	2270915	3517958	23.48%	2.201%
85	16.027	2365	2370	2377	rBV	1361900	2345401	15.65%	1.468%
86	16.092	2377	2381	2386	rVB	1267043	1764319	11.78%	1.104%
87	16.145	2386	2390	2397	rVB2	544759	940695	6.28%	0.589%
88	16.210	2398	2401	2404	rBV2	344455	475252	3.17%	0.297%
89	16.768	2492	2496	2504	rVB	837989	1571235	10.49%	0.983%
90	17.262	2574	2580	2584	rBV	1232147	2473989	16.51%	1.548%
91	17.315	2585	2589	2596	rVB2	1074374	1997804	13.33%	1.250%
92	17.668	2643	2649	2658	rVB3	1124820	2716930	18.13%	1.700%
93	17.921	2687	2692	2698	rBV4	452037	962890	6.43%	0.603%
94	18.156	2725	2732	2739	rVB2	1309877	3324590	22.19%	2.080%
95	18.398	2767	2773	2786	rVB2	1224883	3438313	22.95%	2.152%
96	18.892	2852	2857	2870	rVB	834646	2446947	16.33%	1.531%

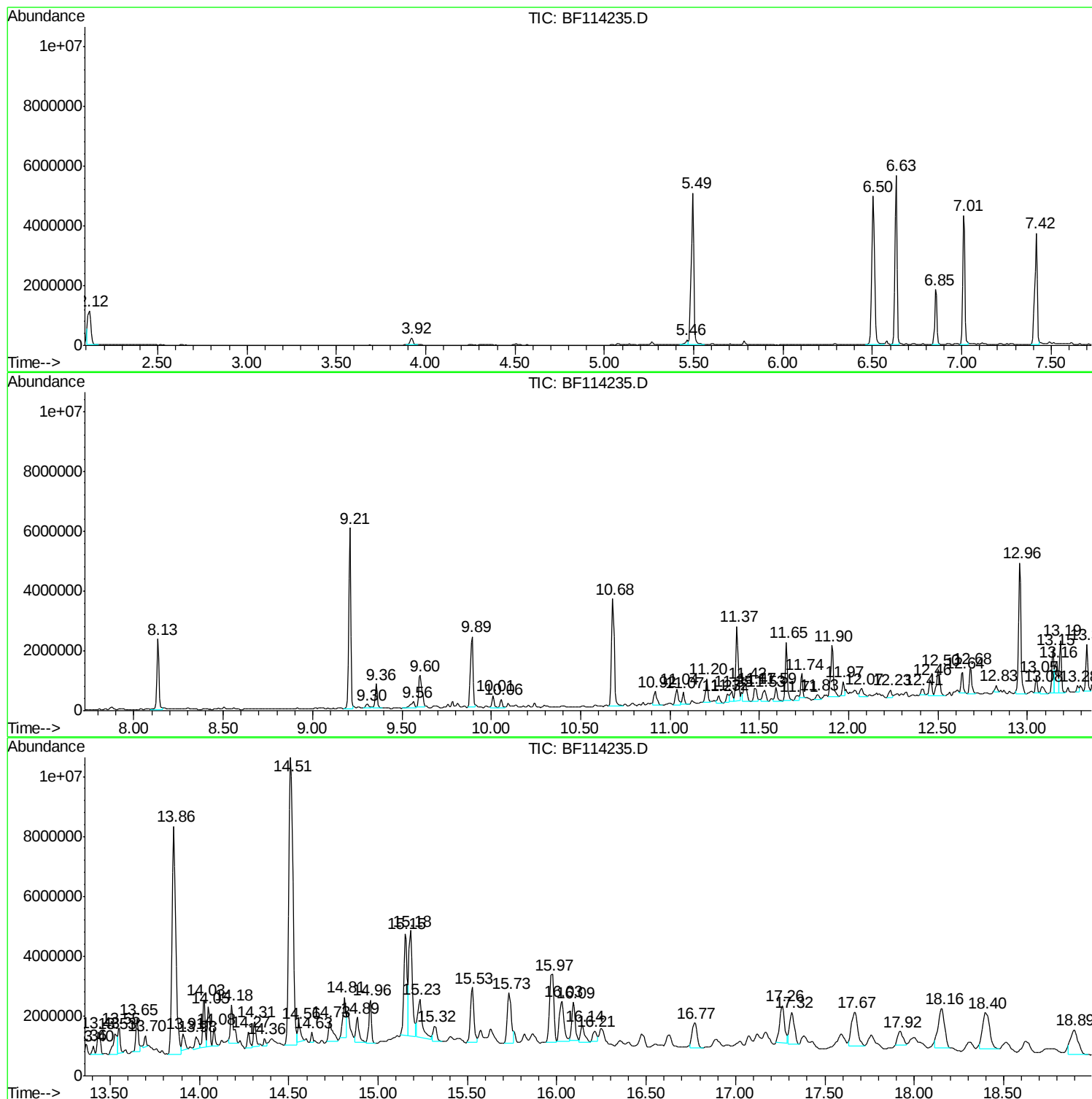
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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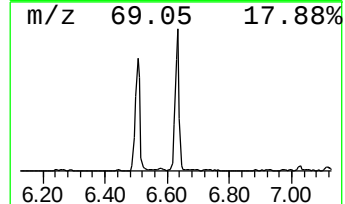
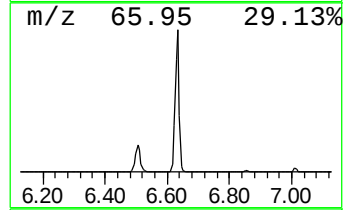
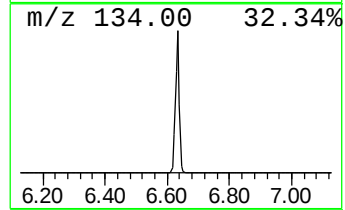
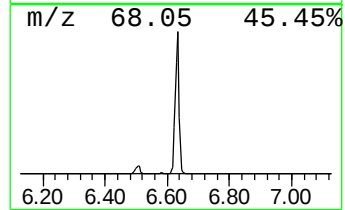
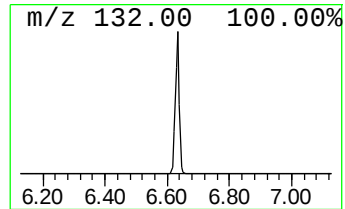
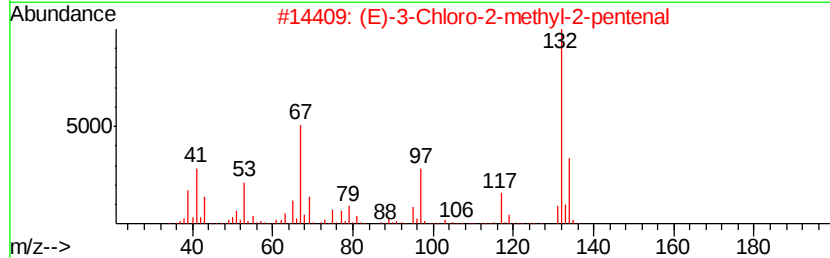
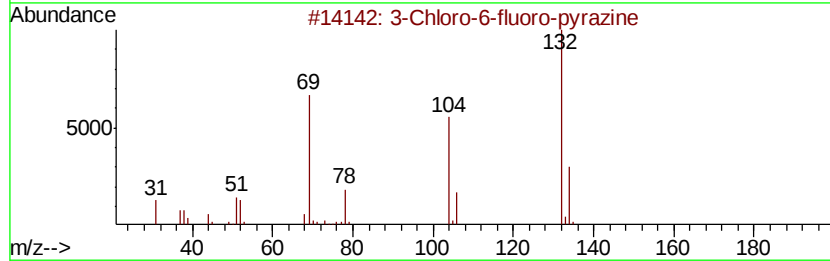
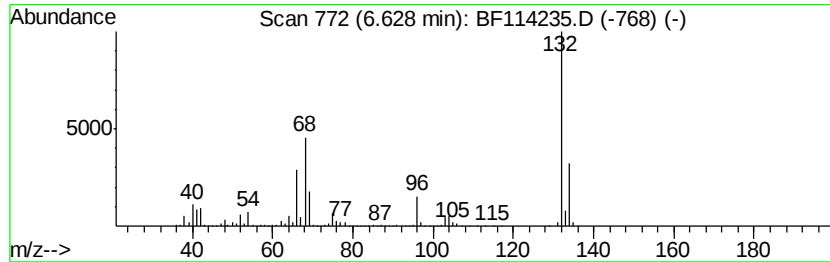
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.63 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	63.70 ng	5183810	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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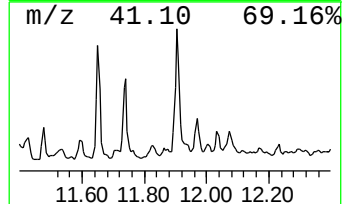
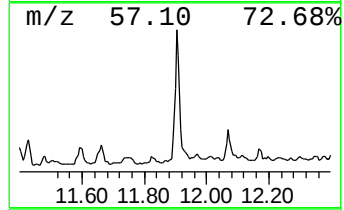
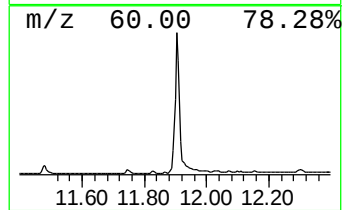
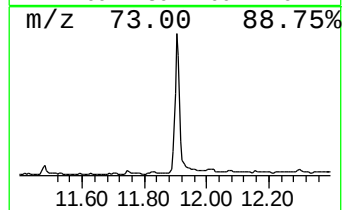
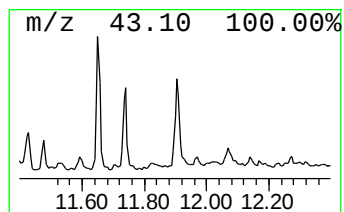
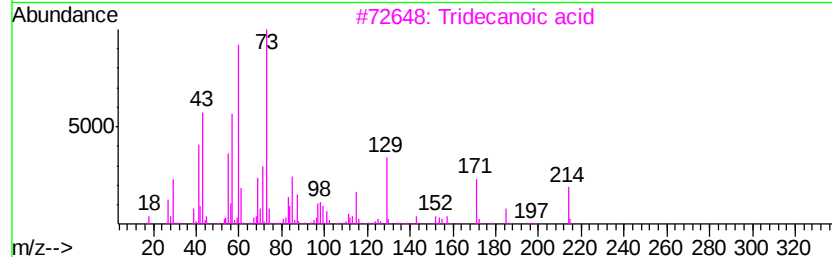
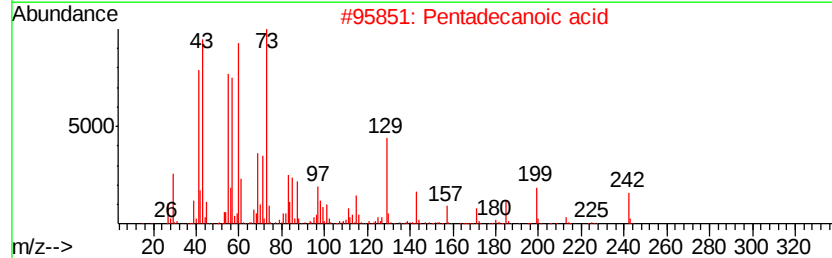
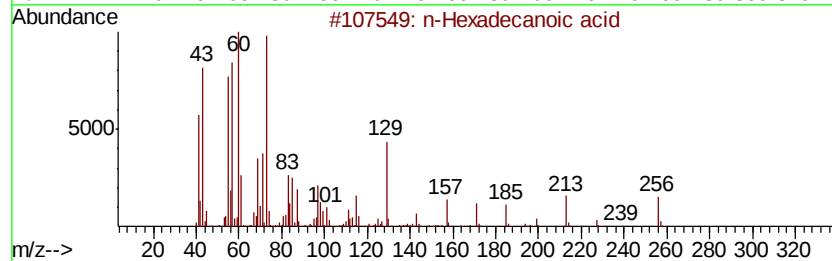
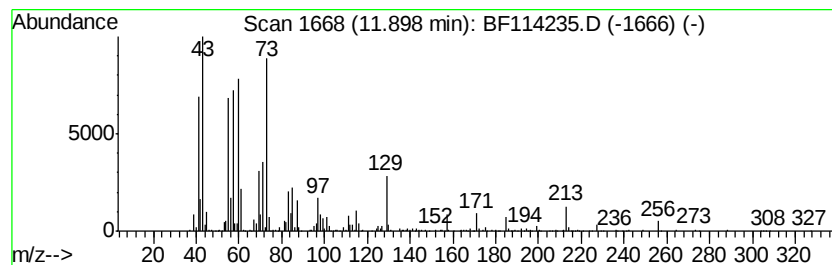
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	16.33 ng	1847070	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3		Tridecanoic acid	214	C13H26O2	000638-53-9	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5		n-Decanoic acid	172	C10H20O2	000334-48-5	58



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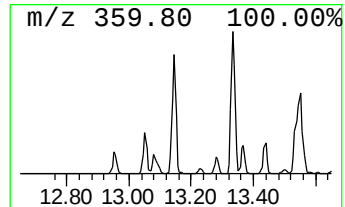
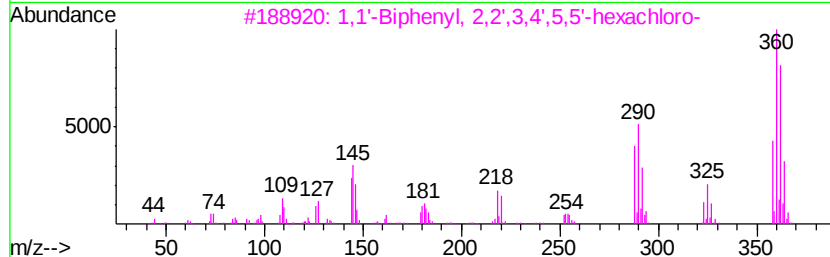
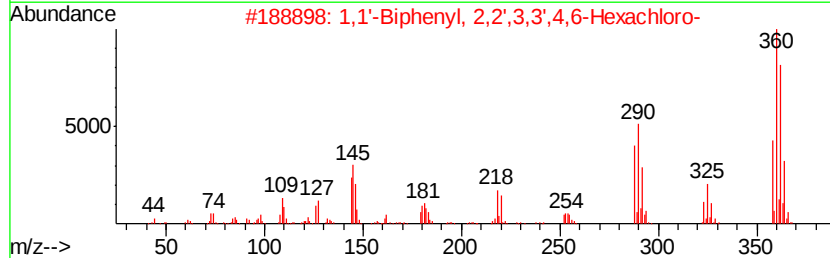
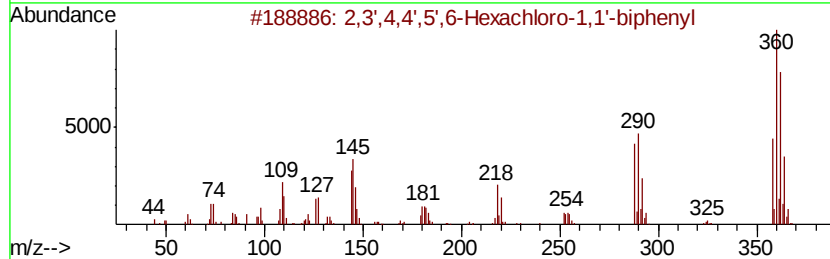
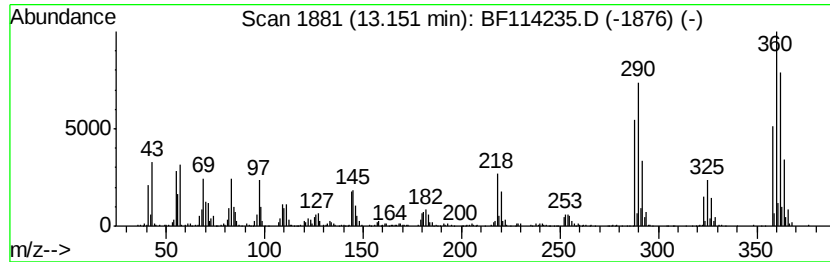
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	15.73 ng	1325440	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4		2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
5		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99



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P026-SS011-0002-01

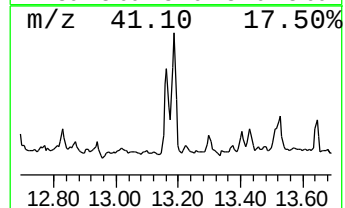
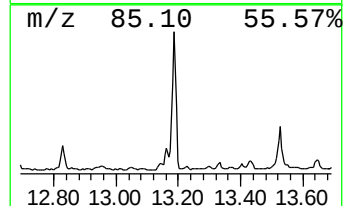
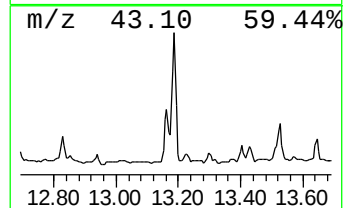
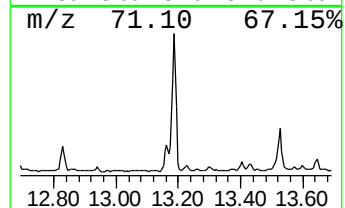
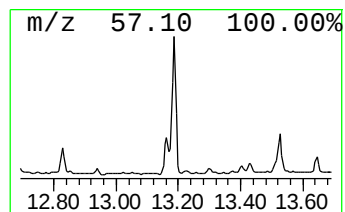
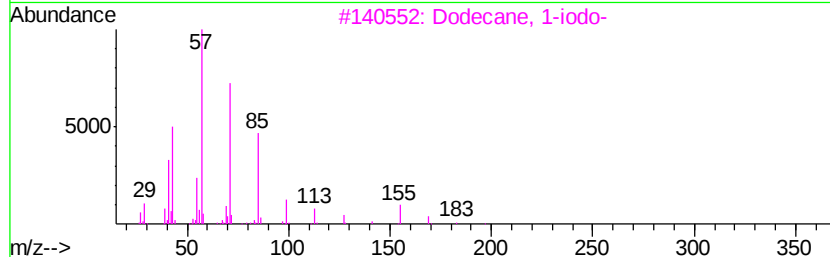
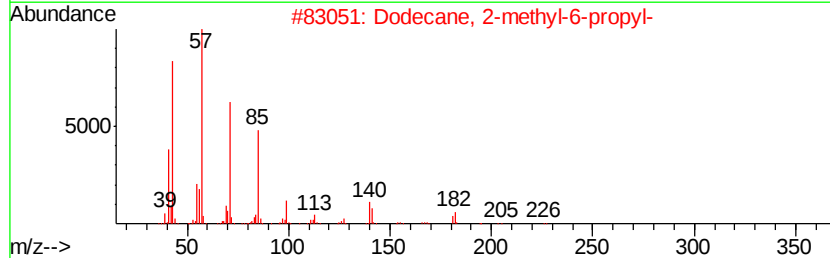
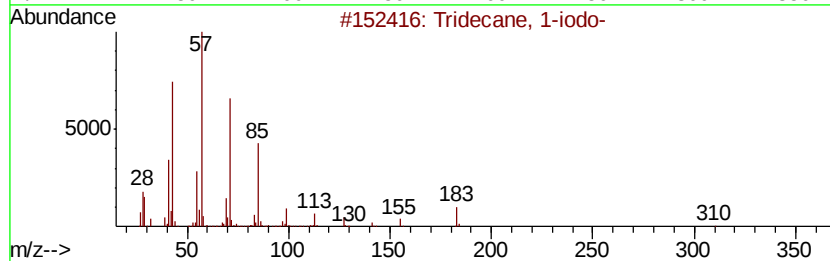
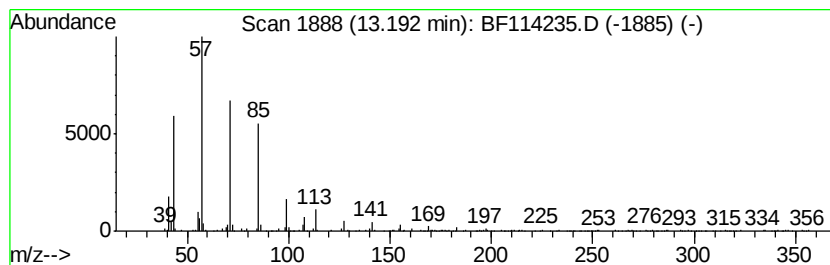
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane, 1-iodo- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	16.35 ng	1377300	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4		3,5-Dimethyldodecane	198	C14H30	107770-99-0	80
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P026-SS011-0002-01

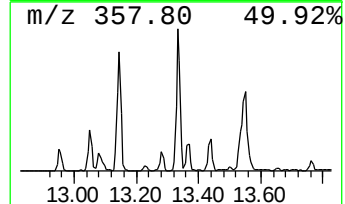
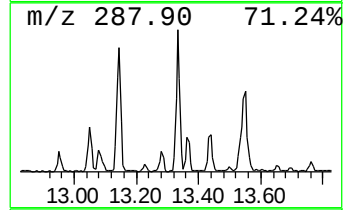
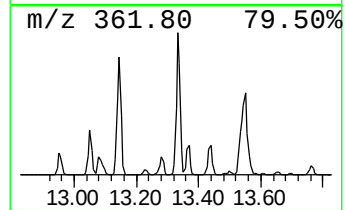
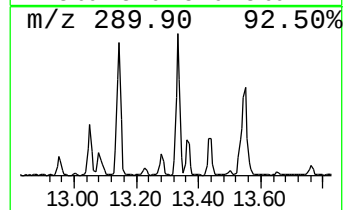
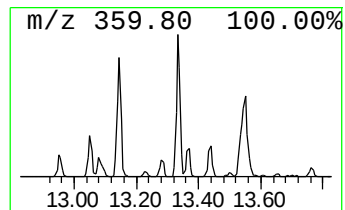
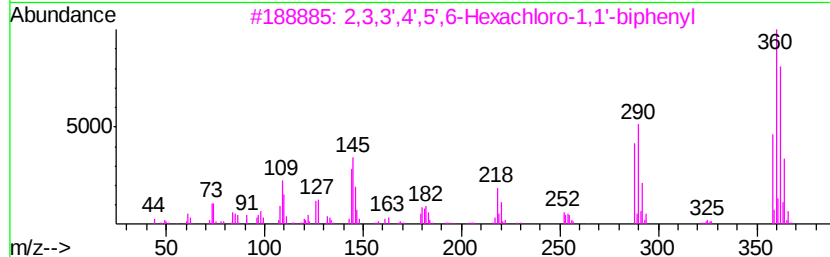
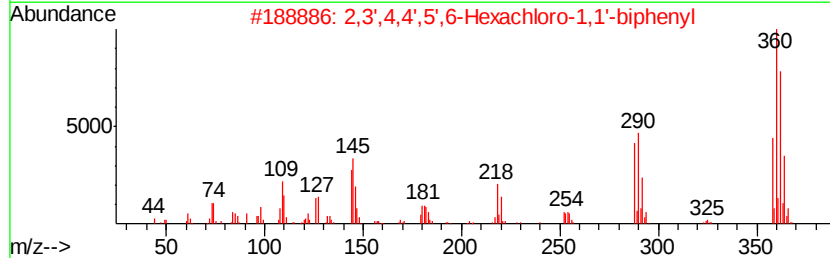
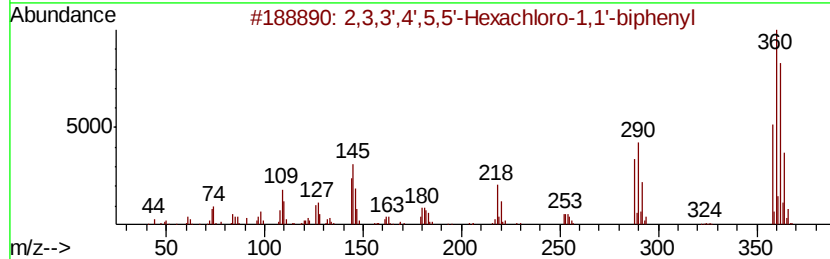
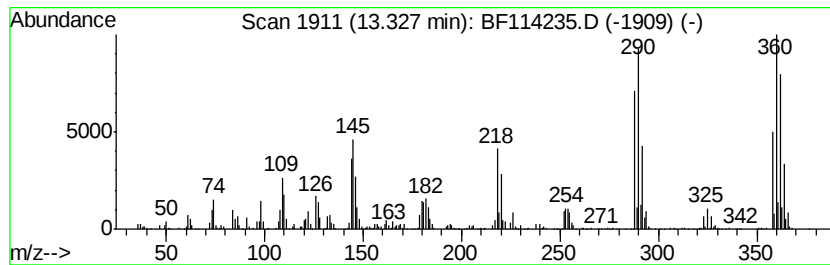
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2,3,3',4',5,5'-Hexachloro-1... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	15.98 ng	1346290	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
2		2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
3		2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
4		2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
5		2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

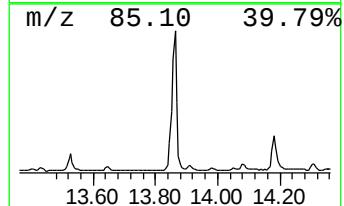
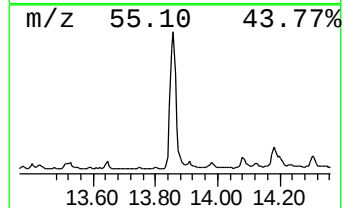
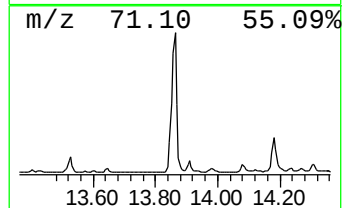
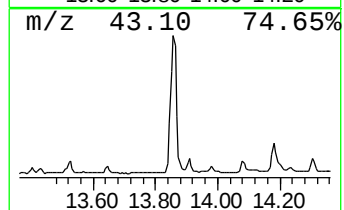
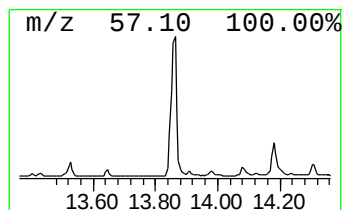
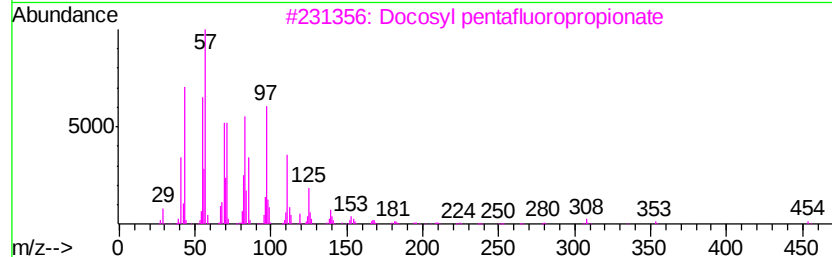
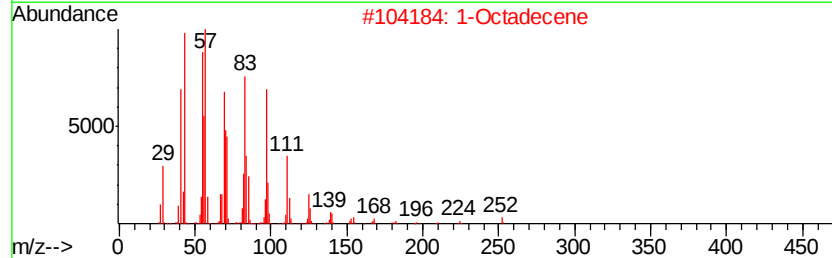
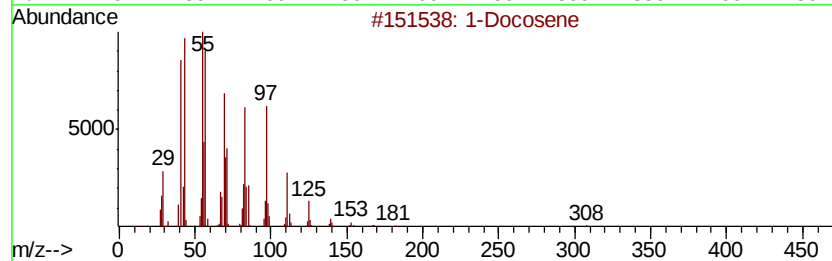
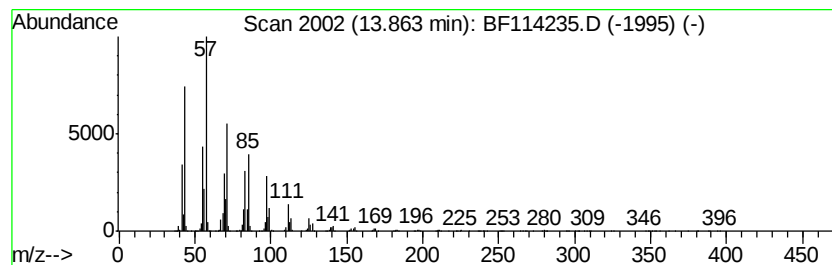
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Docosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.86	131.41 ng	11069900	Chrysene-d12	14.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	98
2	1-Octadecene		252	C18H36	000112-88-9	93
3	Docosyl pentafluoropropionate		472	C25H45F5O2	1000351-80-9	91
4	Heptafluorobutyric acid, hexadec...		438	C20H33F7O2	006385-15-5	91
5	Heptadecyl heptafluorobutyrate		452	C21H35F7O2	959085-66-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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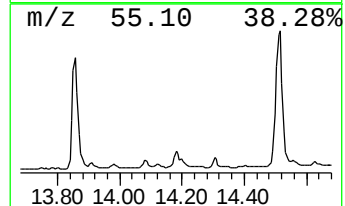
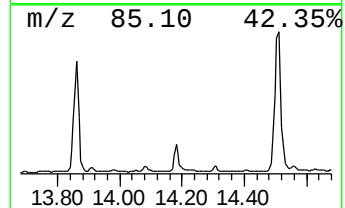
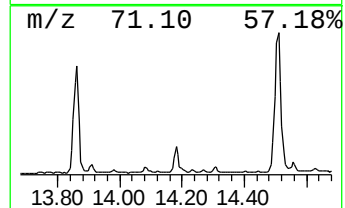
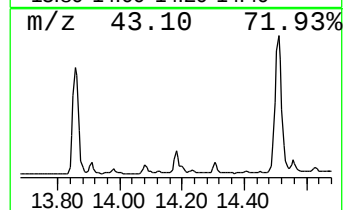
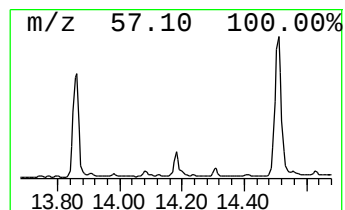
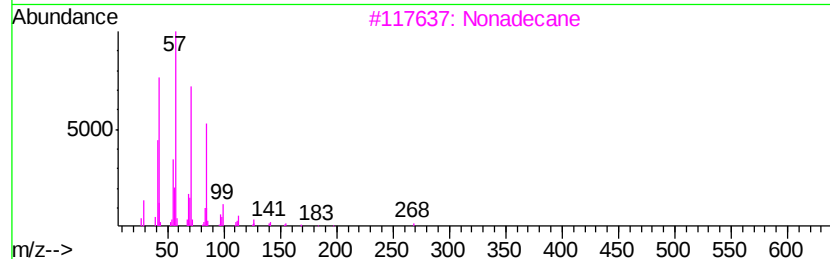
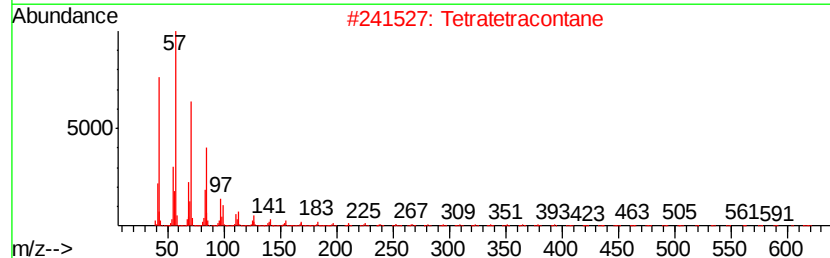
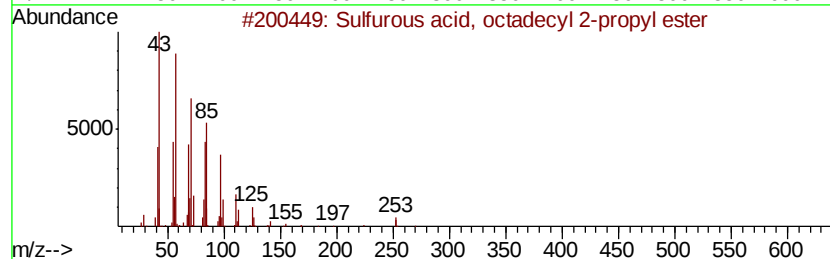
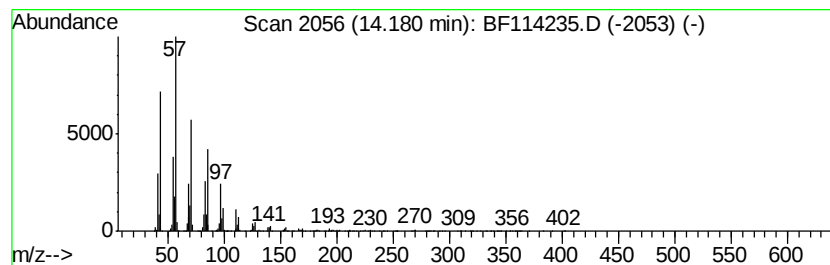
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Sulfurous acid, octadecyl 2... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	19.07 ng	1606580	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	87
2		Tetratetracontane	619	C44H90	007098-22-8	80
3		Nonadecane	268	C19H40	000629-92-5	68
4		Tridecane	184	C13H28	000629-50-5	64
5		Pentadecane	212	C15H32	000629-62-9	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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Sample : K2767-07
Misc :
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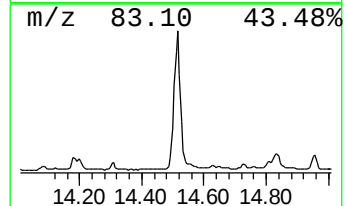
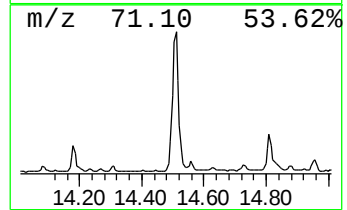
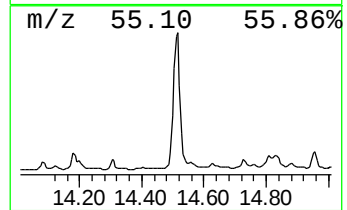
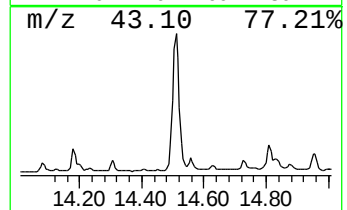
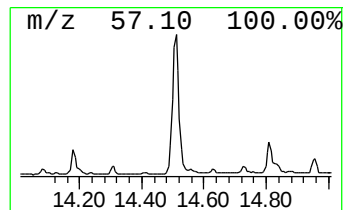
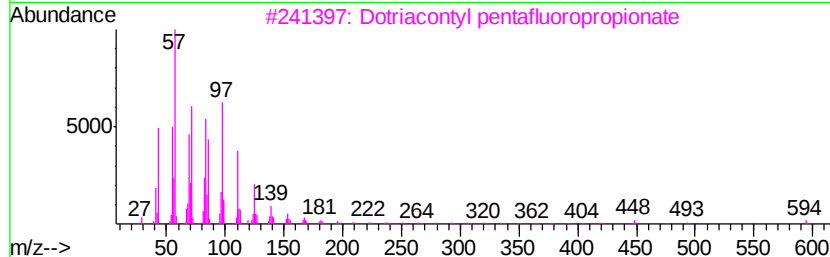
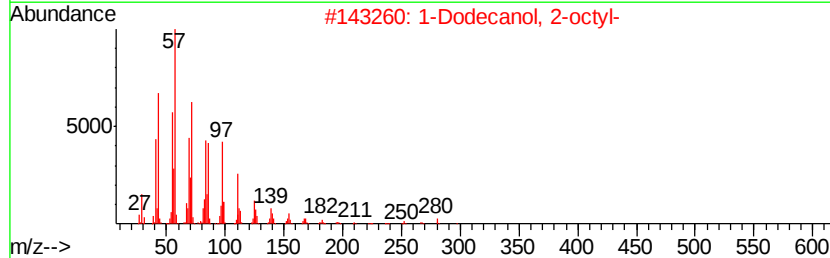
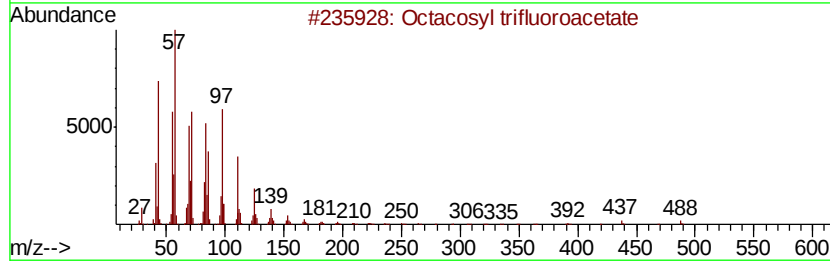
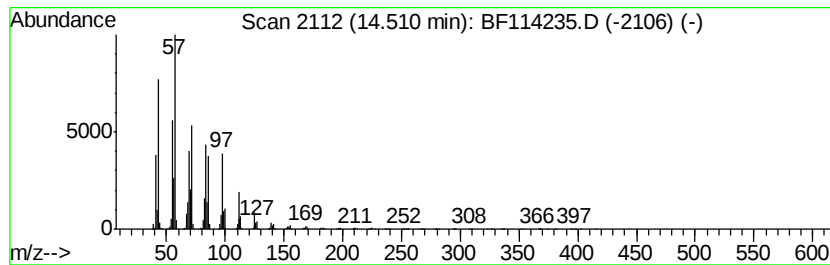
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octacosyl trifluoroacetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.51	177.87 ng	14983000	Chrysene-d12	14.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91
3	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	91
4	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91
5	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
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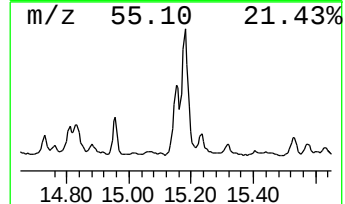
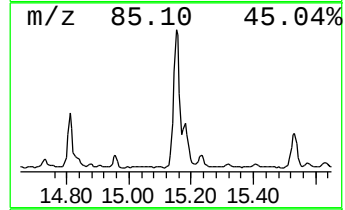
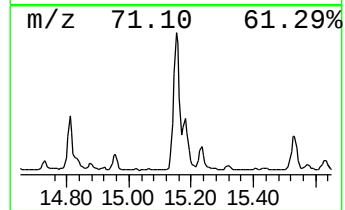
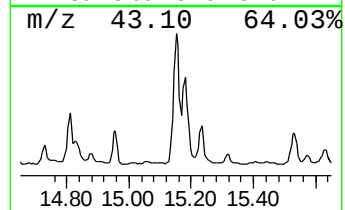
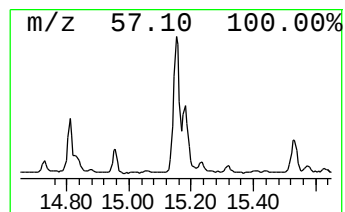
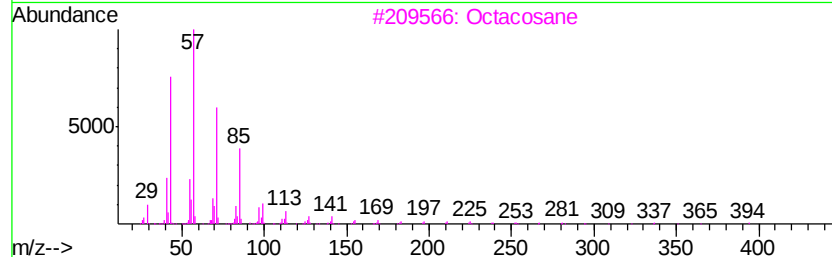
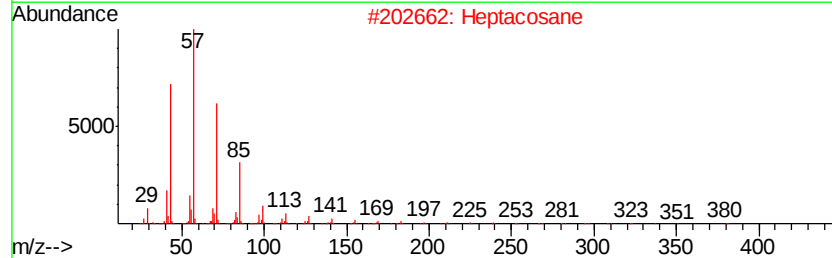
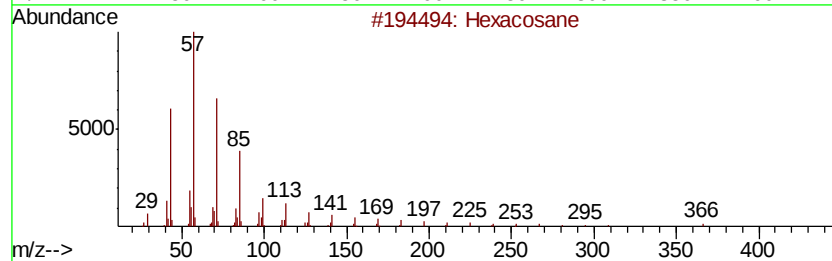
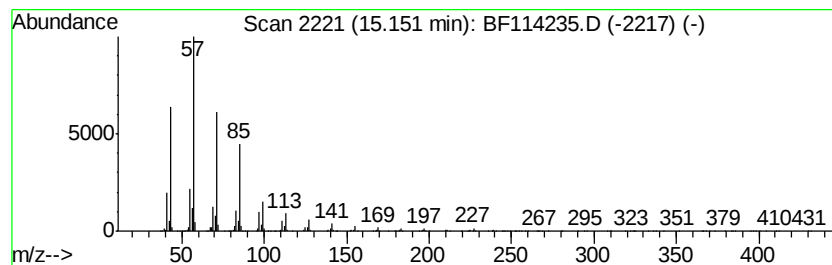
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	36.55 ng	4908120	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexacosane	366 C26H54	000630-01-3	96
2	Heptacosane	380 C27H56	000593-49-7	91
3	Octacosane	394 C28H58	000630-02-4	91
4	Heneicosane	296 C21H44	000629-94-7	90
5	Eicosane, 7-hexyl-	366 C26H54	055333-99-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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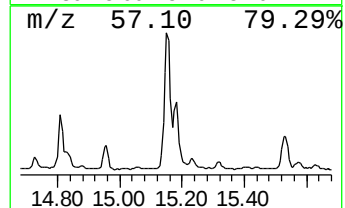
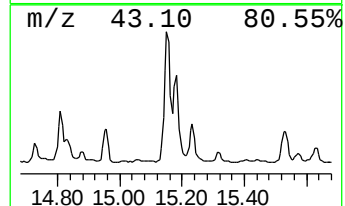
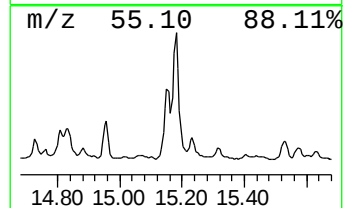
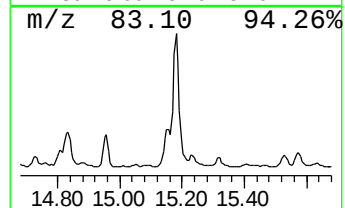
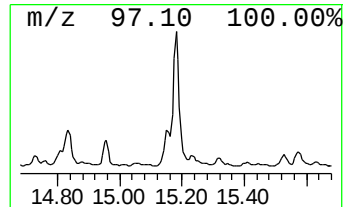
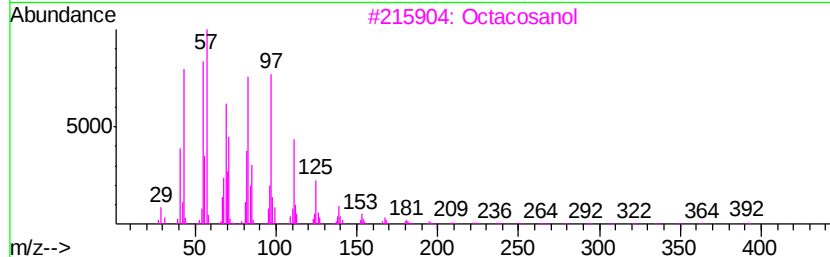
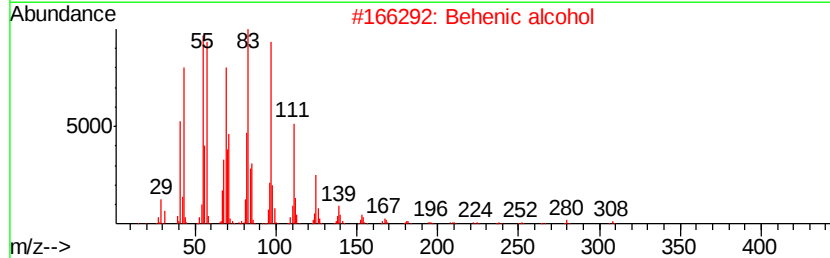
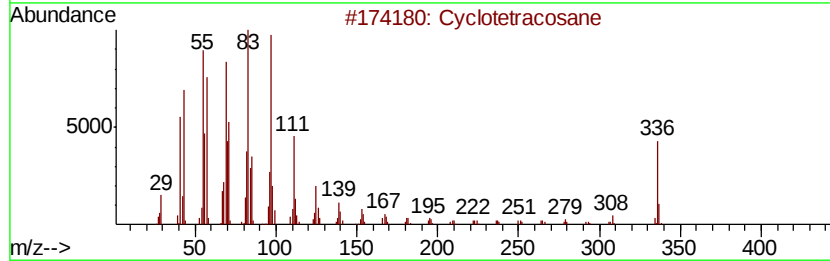
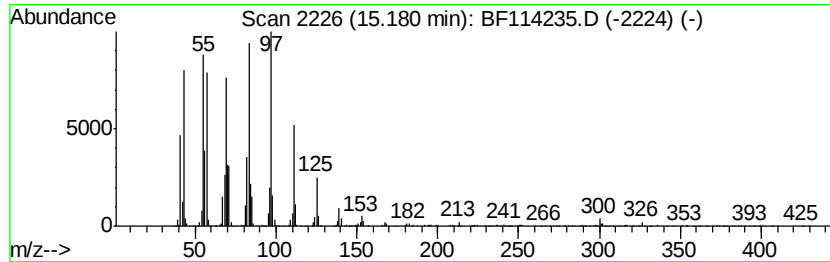
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclotetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	31.84 ng	4275590	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetracosane	336	C24H48	000297-03-0	93
2		Behenic alcohol	326	C22H46O	000661-19-8	91
3		Octacosanol	410	C28H58O	000557-61-9	68
4		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	58
5		Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	58



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Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

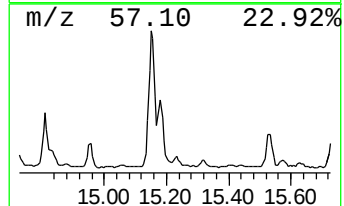
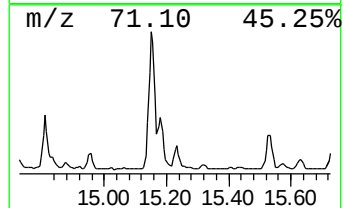
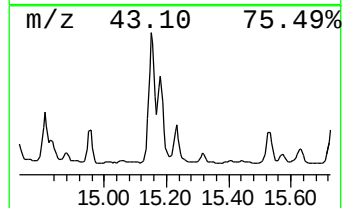
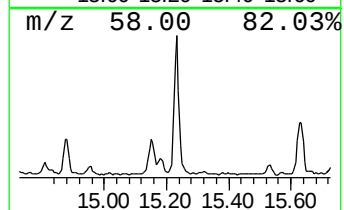
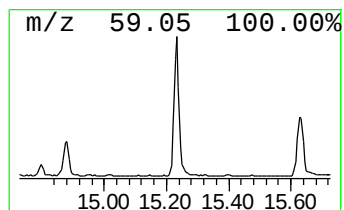
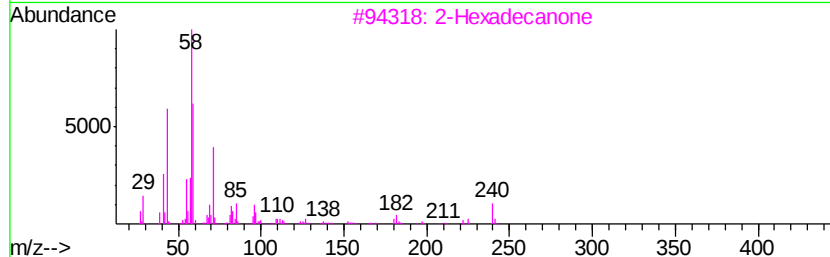
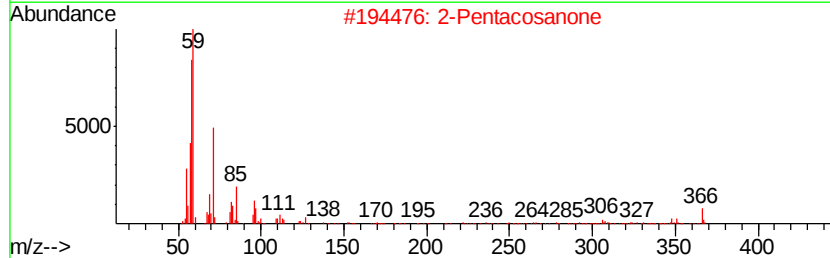
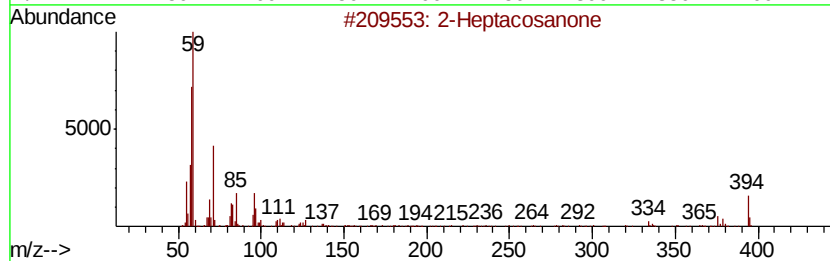
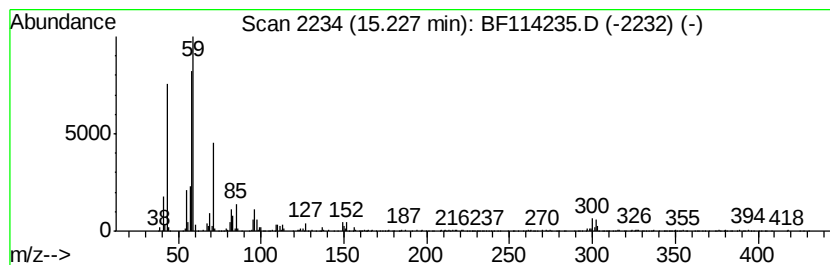
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Heptacosanone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	16.14 ng	2166720	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Heptacosanone	394	C27H54O	007796-19-2 93
2	2-Pentacosanone	366	C25H50O	075207-54-4 78
3	2-Hexadecanone	240	C16H32O	018787-63-8 59
4	Oxirane, tetramethyl-	100	C6H12O	005076-20-0 53
5	2-Tetradecanone	212	C14H28O	002345-27-9 50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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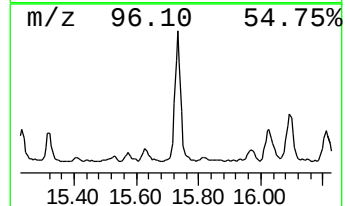
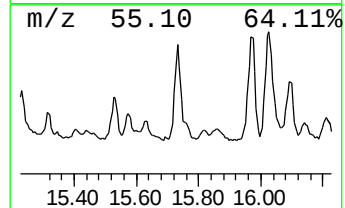
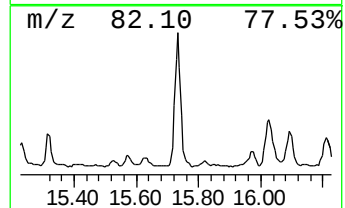
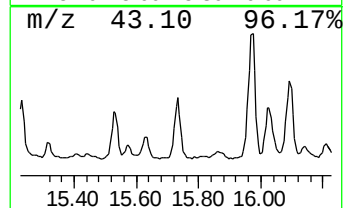
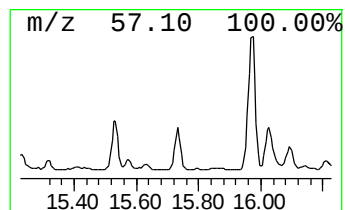
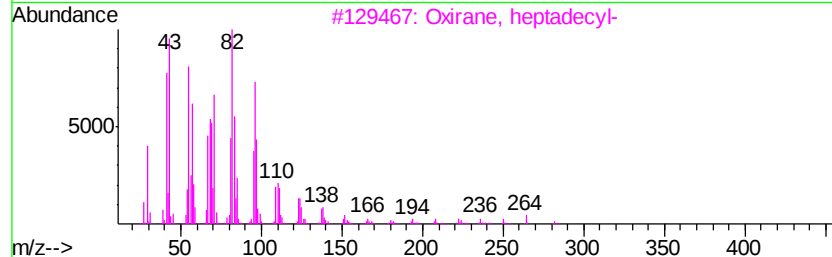
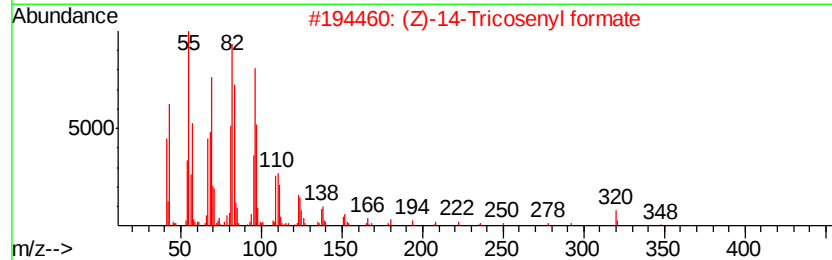
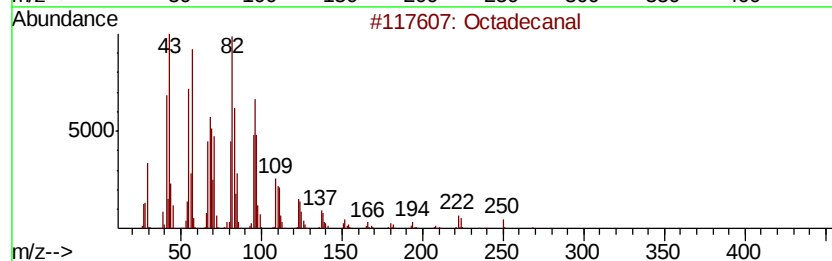
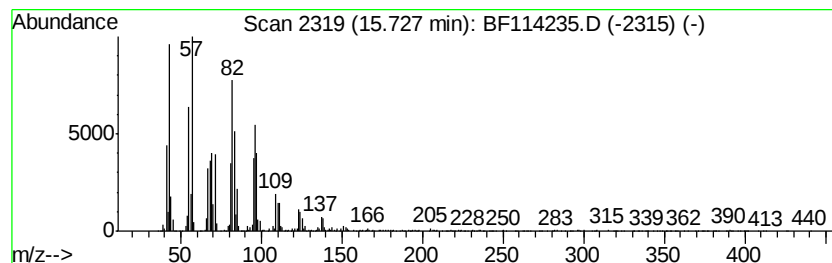
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.73	18.64 ng	2503080	Perylene-d12	15.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	95
2	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	95
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
4	Hexadecanal	240	C16H32O	000629-80-1	86
5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
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Instrument :
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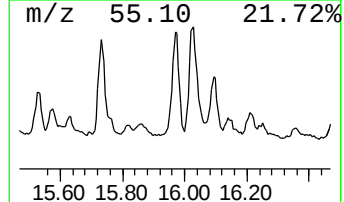
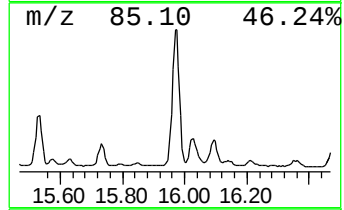
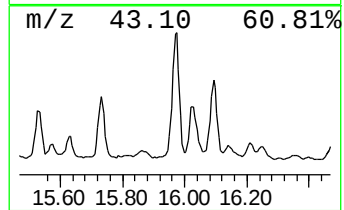
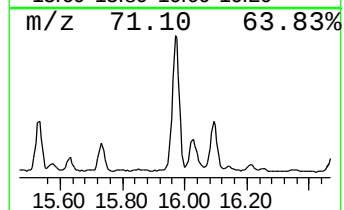
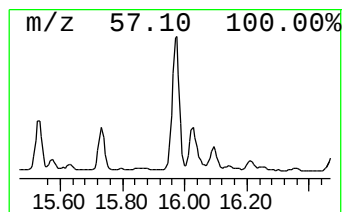
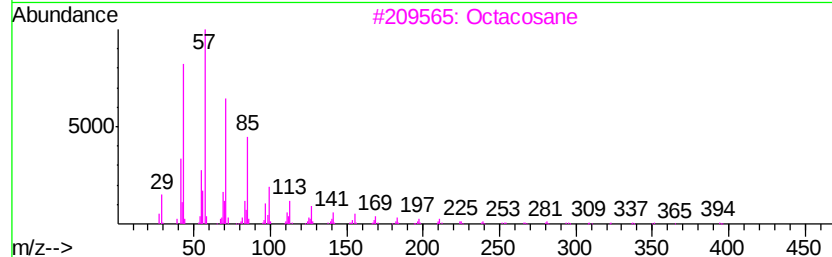
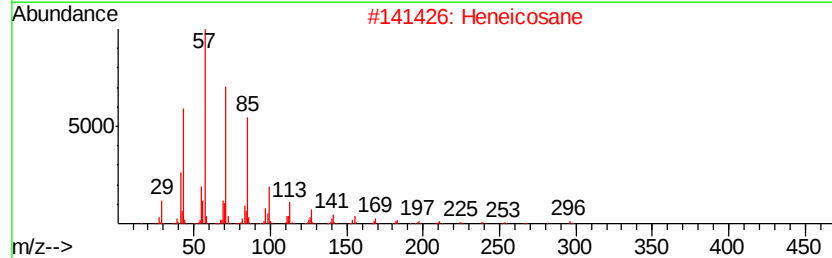
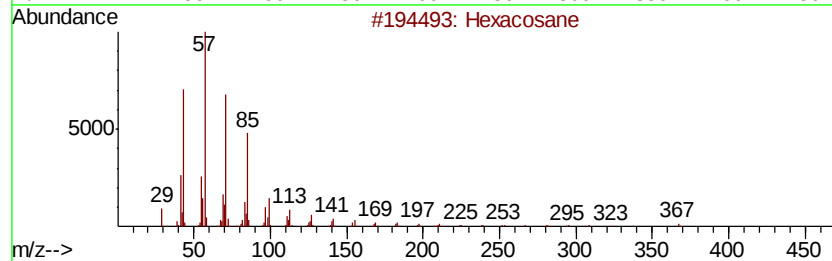
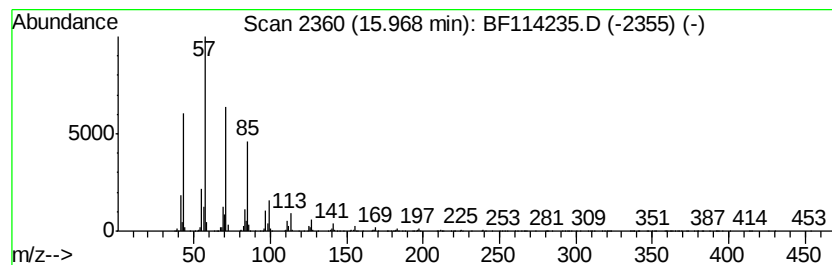
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	26.20 ng	3517960	Perylene-d12	15.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Octacosane	394	C28H58	000630-02-4	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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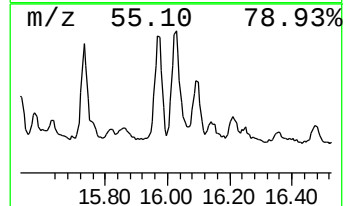
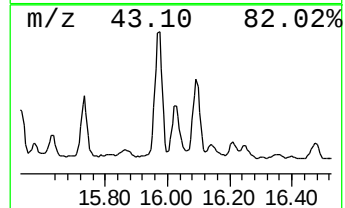
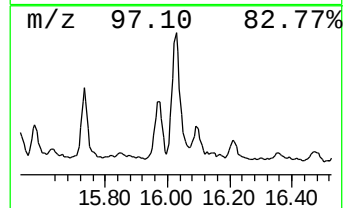
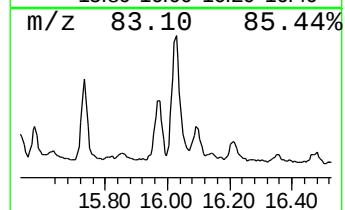
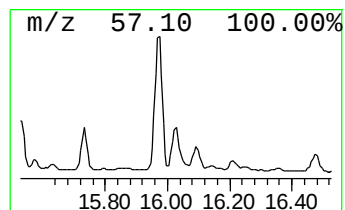
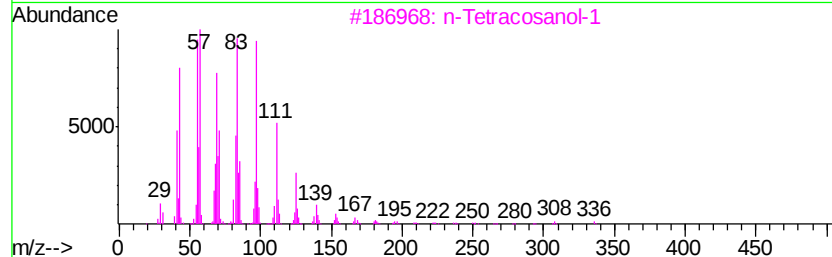
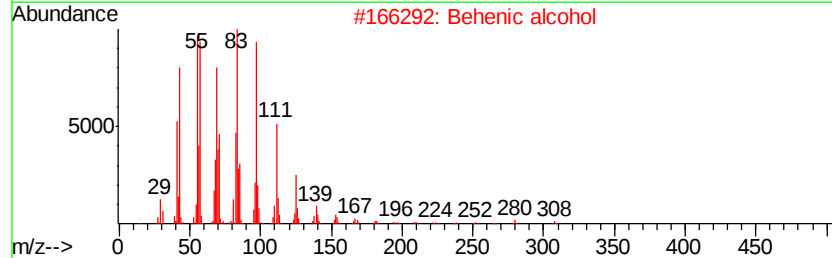
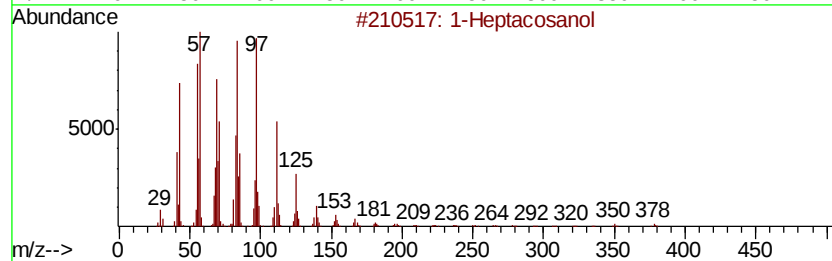
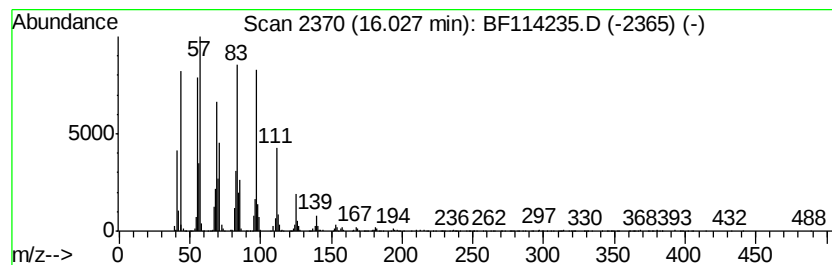
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Heptacosanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.03	17.47 ng	2345400	Perylene-d12	15.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	1-Docosene	308	C22H44	001599-67-3	91
5	Octacosyl acetate	452	C30H60O2	018206-97-8	87



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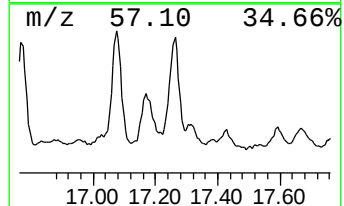
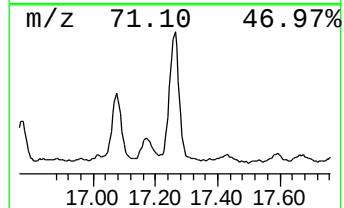
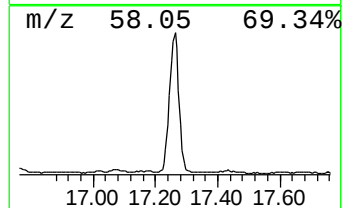
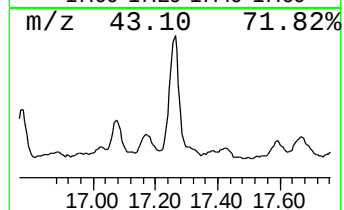
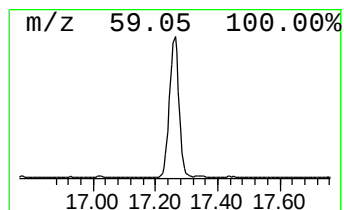
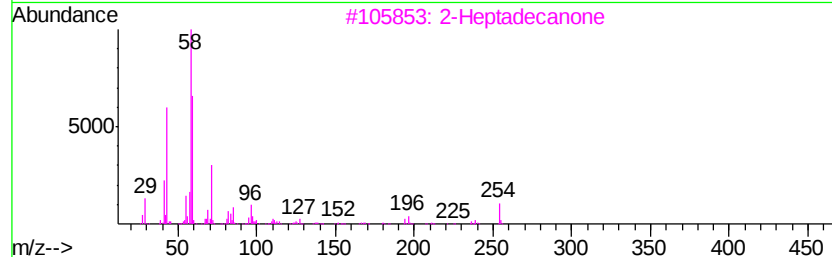
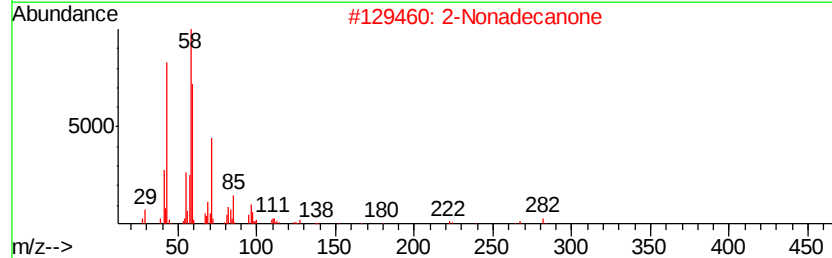
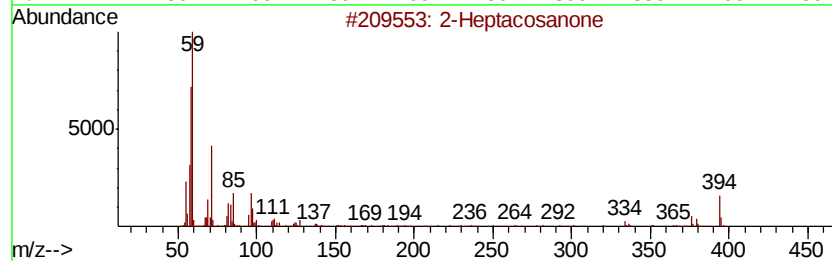
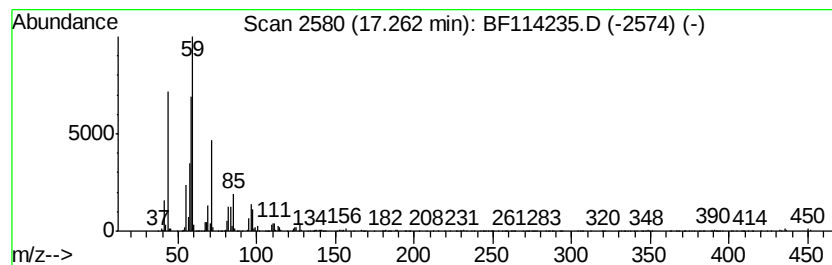
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Nonadecanone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	18.43 ng	2473990	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Heptacosanone	394	C27H54O	007796-19-2 91
2	2-Nonadecanone	282	C19H38O	000629-66-3 64
3	2-Heptadecanone	254	C17H34O	002922-51-2 59
4	2-Tetradecanone	212	C14H28O	002345-27-9 50
5	2-Propanone, 1-cyclohexyl-	140	C9H16O	000103-78-6 47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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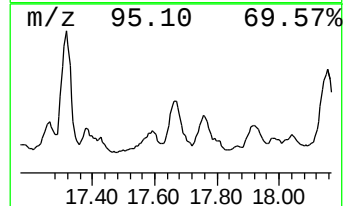
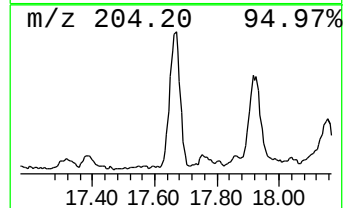
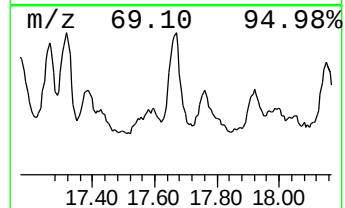
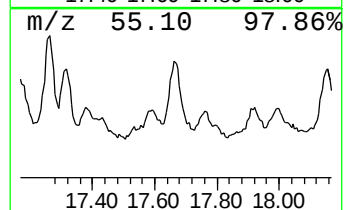
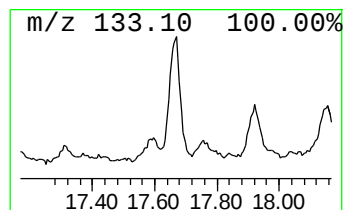
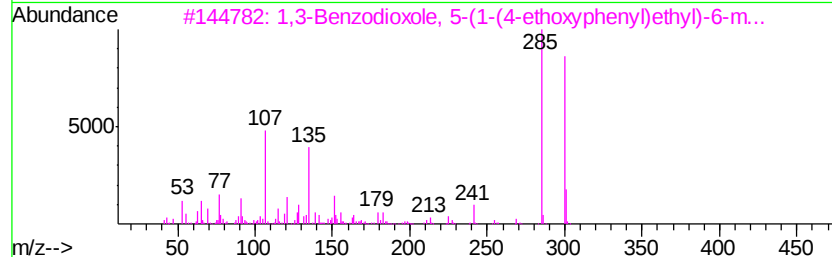
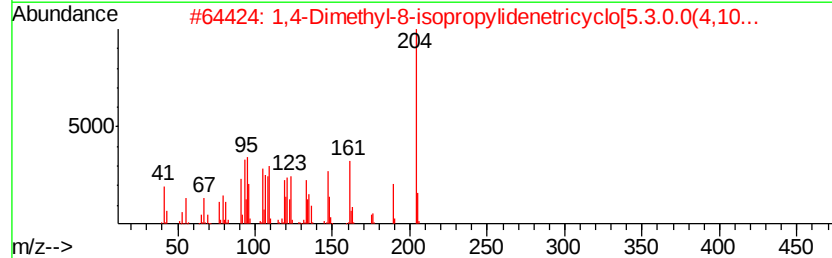
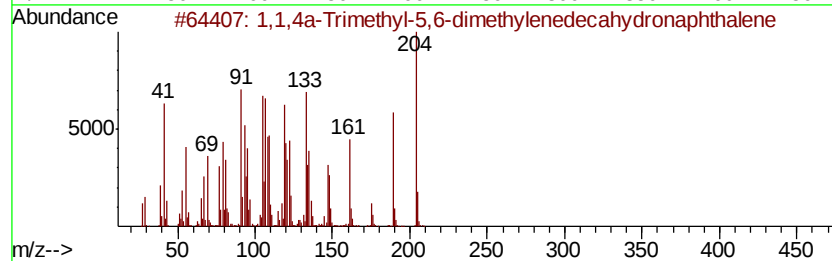
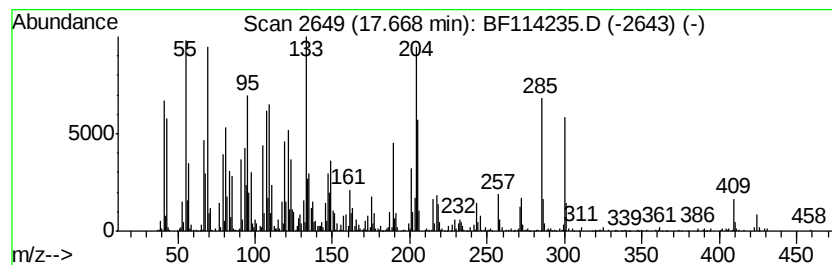
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	20.24 ng	2716930	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204 C15H24	1000193-60-8	70
2	1,4-Dimethyl-8-isopropylidenetri...	204 C15H24	1000140-07-7	49
3	1,3-Benzodioxole, 5-(1-(4-ethoxyv...	300 C18H20O4	090632-70-5	46
4	Phenanthrene, 1,2,3,4,4a,9,10,10...	300 C21H32O	010064-26-3	45
5	(-)-Tricyclo[6.2.1.0(4,11)]undec...	204 C15H24	1000154-06-7	43



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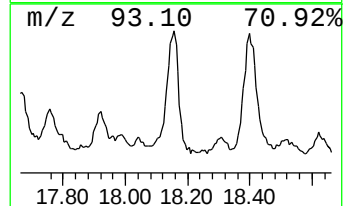
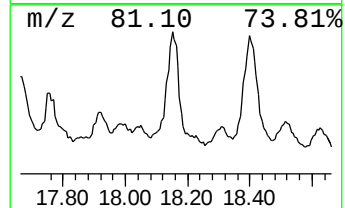
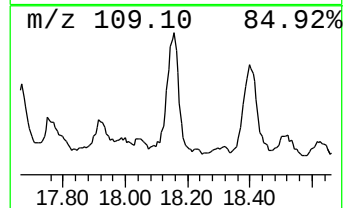
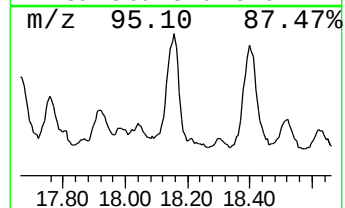
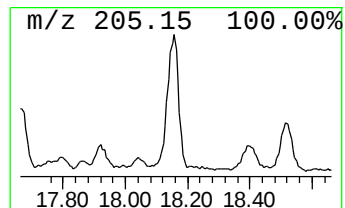
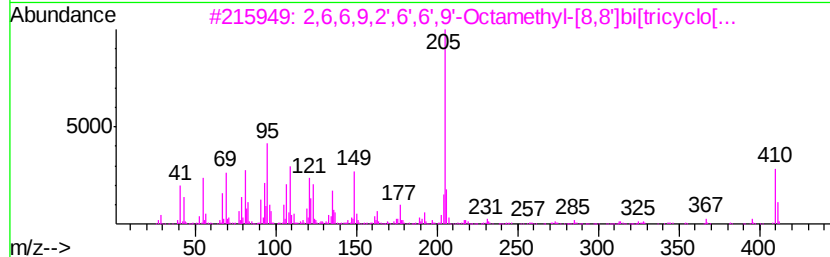
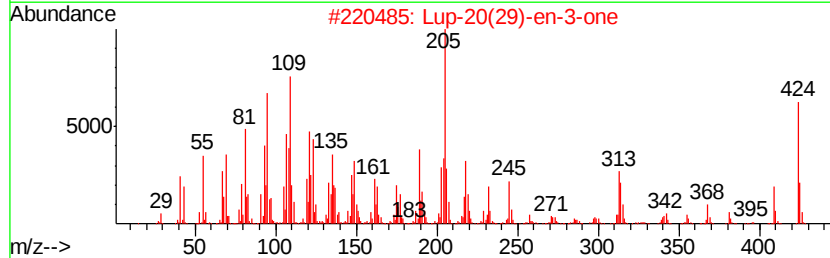
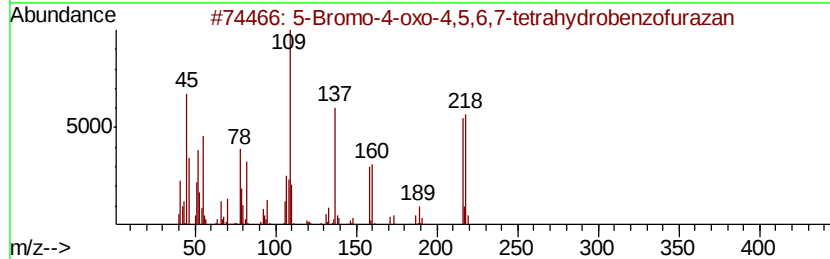
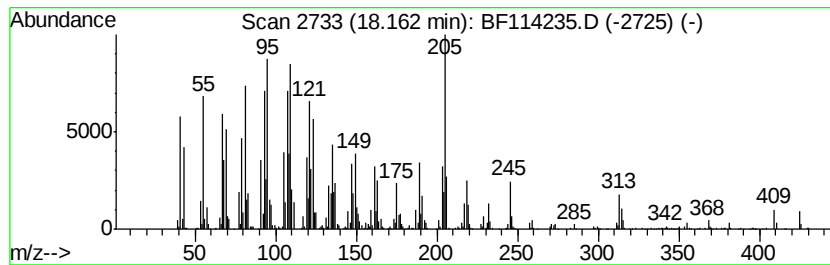
Instrument :
BNA_F
ClientSampleId :
P026-SS011-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.16	24.76 ng	3324590	Perylene-d12	15.52		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	90	
2	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	55	
3	2,6,6,9,2',6',6',9'-Octamethyl-[...]	410	C30H50	1000189-48-2	55	
4	Dimethylbis[(4,8,8-trimethyldec...	500	C32H56O2Si	1000364-69-0	50	
5	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	47	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

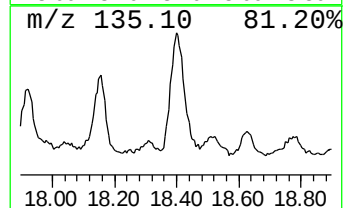
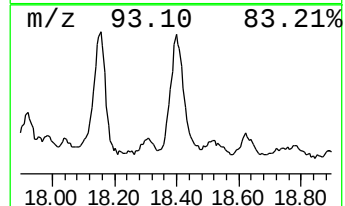
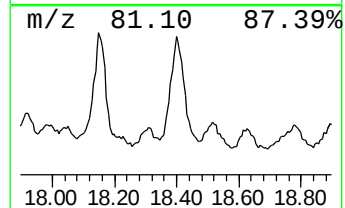
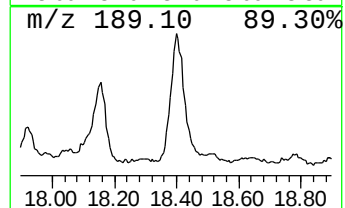
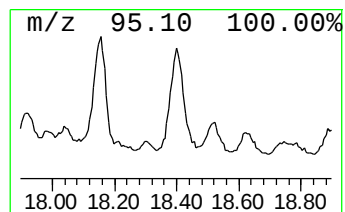
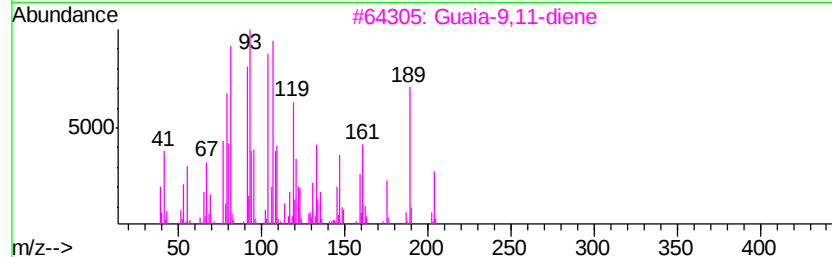
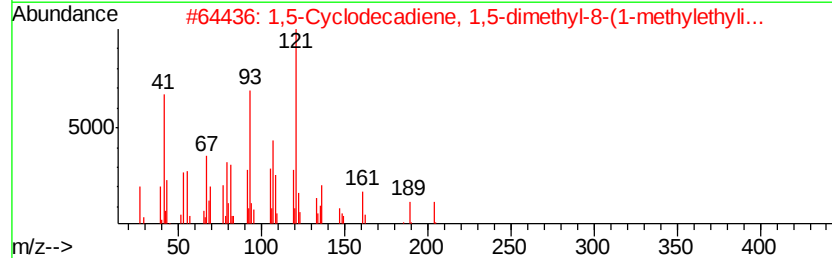
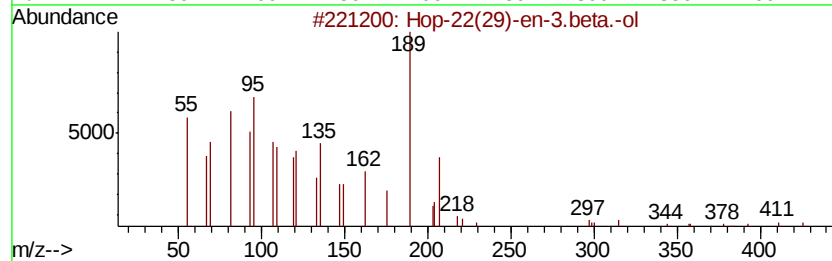
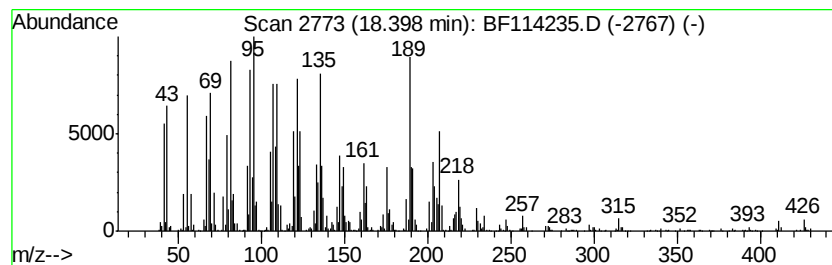
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ClientSampleId :
P026-SS011-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hop-22(29)-en-3.beta.-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	25.61 ng	3438310	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Hop-22(29)-en-3.beta.-ol	426 C30H50O	058801-23-3 64
2		1,5-Cyclodecadiene, 1,5-dimethyl...	204 C15H24	015423-57-1 53
3		Guaia-9,11-diene	204 C15H24	1000374-19-8 50
4		Caparratriene	206 C15H26	1000374-08-7 49
5		Cyclohexane, 1-ethenyl-1-methyl-...	204 C15H24	003242-08-8 46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114235.D
Acq On : 13 May 2019 18:00
Operator : JU/SJ
Sample : K2767-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

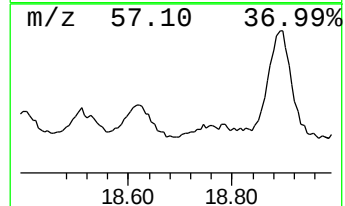
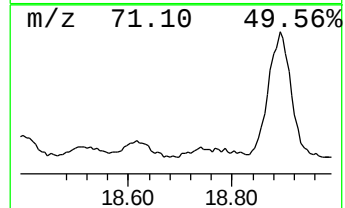
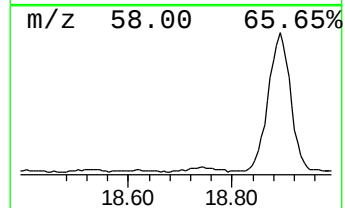
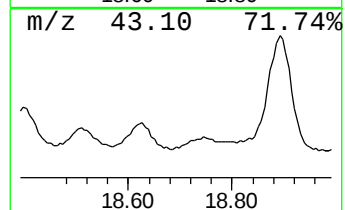
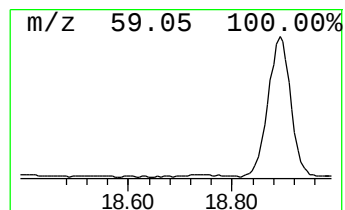
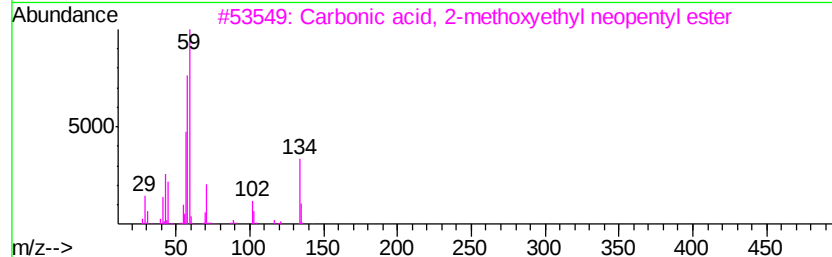
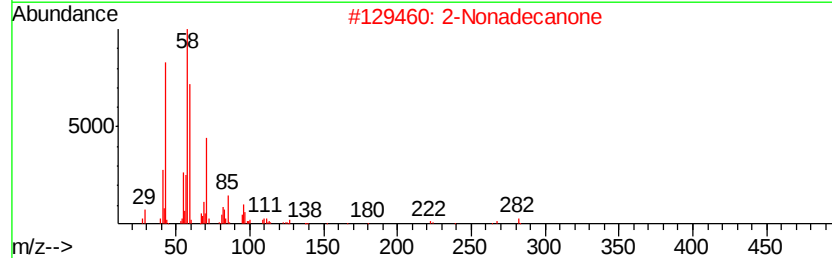
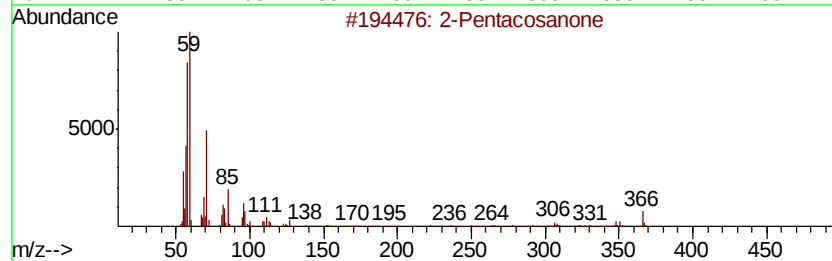
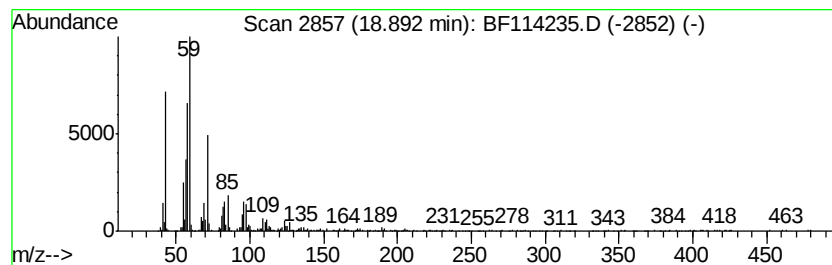
Instrument :
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ClientSampleId :
P026-SS011-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2-Pentacosanone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	18.22 ng	2446950	Perylene-d12	15.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Pentacosanone	366 C25H500	075207-54-4	90
2	2-Nonadecanone	282 C19H380	000629-66-3	64
3	Carbonic acid, 2-methoxvethvl ne...	190 C9H1804	1000331-42-7	50
4	2-Pentadecanone	226 C15H300	002345-28-0	50
5	Oxirane, tetramethyl-	100 C6H120	005076-20-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114235.D
 Acq On : 13 May 2019 18:00
 Operator : JU/SJ
 Sample : K2767-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS011-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.63	6.63	63.7	ng	5183810	1	6.85	1627460	20.0
n-Hexadecanoic acid	11.90	16.3	ng	1847070	4	11.37	2262580	20.0
2,3',4,4',5',6-He...	13.15	15.7	ng	1325440	5	14.03	1684750	20.0
Tridecane, 1-iodo-	13.19	16.4	ng	1377300	5	14.03	1684750	20.0
2,3,3',4',5,5'-He...	13.33	16.0	ng	1346290	5	14.03	1684750	20.0
1-Docosene	13.86	131.4	ng	11069900	5	14.03	1684750	20.0
Sulfurous acid, o...	14.18	19.1	ng	1606580	5	14.03	1684750	20.0
Octacosyl trifluo...	14.51	177.9	ng	14983000	5	14.03	1684750	20.0
Hexacosane	15.15	36.5	ng	4908120	6	15.52	2685350	20.0
Cyclotetracosane	15.18	31.8	ng	4275590	6	15.52	2685350	20.0
2-Heptacosanone	15.23	16.1	ng	2166720	6	15.52	2685350	20.0
Octadecanal	15.73	18.6	ng	2503080	6	15.52	2685350	20.0
Heneicosane	15.97	26.2	ng	3517960	6	15.52	2685350	20.0
1-Heptacosanol	16.03	17.5	ng	2345400	6	15.52	2685350	20.0
2-Nonadecanone	17.26	18.4	ng	2473990	6	15.52	2685350	20.0
1,1,4a-Trimethyl-...	17.67	20.2	ng	2716930	6	15.52	2685350	20.0
5-Bromo-4-oxo-4,5...	18.16	24.8	ng	3324590	6	15.52	2685350	20.0
Hop-22(29)-en-3.b...	18.40	25.6	ng	3438310	6	15.52	2685350	20.0
2-Pentacosanone	18.89	18.2	ng	2446950	6	15.52	2685350	20.0