

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
 Data File : BF111512.D
 Acq On : 16 Dec 2018 16:57
 Operator : JU/SJ
 Sample : J6391-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS015-0612-01

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-BF121418.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	3.816	287	294	300	rBV	1273448	1725450	21.37%	1.511%
2	4.992	490	494	503	rBV	191961	254889	3.16%	0.223%
3	5.369	553	558	560	rBV	213318	259046	3.21%	0.227%
4	5.387	560	561	562	rVV	395661	269334	3.34%	0.236%
5	5.416	562	566	569	rVB	4553347	4112031	50.94%	3.600%
6	5.634	596	603	607	rBV	109594	101094	1.25%	0.089%
7	6.434	734	739	750	rBV2	4086427	4422498	54.78%	3.872%
8	6.563	756	761	764	rBV	4675706	4012983	49.71%	3.514%
9	6.787	796	799	808	rBV	1157536	936782	11.60%	0.820%
10	6.945	822	826	829	rBV	3571290	2970386	36.79%	2.601%
11	7.351	888	895	898	rBV	2508331	2558845	31.70%	2.240%
12	8.069	1012	1017	1023	rBV	1438927	1211153	15.00%	1.060%
13	9.145	1196	1200	1203	rBV	4441428	3669276	45.45%	3.213%
14	9.233	1212	1215	1221	rVB3	102723	138508	1.72%	0.121%
15	9.533	1263	1266	1275	rVB3	224536	298329	3.70%	0.261%
16	9.822	1311	1315	1322	rBV2	1382250	1139889	14.12%	0.998%
17	9.986	1340	1343	1347	rBV	892448	795865	9.86%	0.697%
18	10.610	1445	1449	1454	rBV	1772413	1611650	19.96%	1.411%
19	10.922	1499	1502	1504	rBV	143118	117332	1.45%	0.103%
20	11.304	1564	1567	1572	rVB	943949	790565	9.79%	0.692%
21	11.357	1572	1576	1581	rVB3	130497	215750	2.67%	0.189%
22	11.427	1585	1588	1592	rBV	358341	346764	4.30%	0.304%
23	11.863	1656	1662	1670	rBV	3772834	5023293	62.22%	4.398%
24	11.921	1670	1672	1676	rVV	346091	315321	3.91%	0.276%
25	11.963	1676	1679	1681	rVV	407434	318553	3.95%	0.279%
26	11.986	1681	1683	1685	rVB2	141582	105274	1.30%	0.092%
27	12.439	1755	1760	1764	rVB2	1319739	1410209	17.47%	1.235%
28	12.563	1777	1781	1787	rVB4	536966	966370	11.97%	0.846%
29	12.621	1787	1791	1792	rBV	1824279	1662937	20.60%	1.456%
30	12.657	1792	1797	1807	rVB	4793795	6745062	83.55%	5.906%
31	12.780	1816	1818	1822	rVB3	239759	229622	2.84%	0.201%
32	12.833	1825	1827	1830	rVB3	246057	211511	2.62%	0.185%
33	12.892	1834	1837	1843	rVV2	2705664	3163420	39.19%	2.770%
34	12.992	1850	1854	1856	rBV	1493235	1270306	15.74%	1.112%

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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
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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.021	1856	1859	1865	rVB	596465	796910	9.87%	0.698%
36	13.086	1866	1870	1873	rBV	3795032	3429711	42.48%	3.003%
37	13.116	1873	1875	1877	rVV	553480	522610	6.47%	0.458%
38	13.163	1881	1883	1887	rBV3	202509	181843	2.25%	0.159%
39	13.221	1890	1893	1896	rVB	585535	512932	6.35%	0.449%
40	13.280	1898	1903	1905	rBV	4171680	3987281	49.39%	3.491%
41	13.304	1905	1907	1910	rVB	1028635	795635	9.86%	0.697%
42	13.380	1916	1920	1924	rVB2	1890338	1901122	23.55%	1.665%
43	13.439	1928	1930	1932	rBV	398874	297072	3.68%	0.260%
44	13.492	1932	1939	1942	rVV2	2840387	4047687	50.14%	3.544%
45	13.521	1942	1944	1947	rVB	418516	367926	4.56%	0.322%
46	13.592	1953	1956	1959	rVB	2457279	2201231	27.27%	1.927%
47	13.633	1960	1963	1969	rVB	1226221	1101950	13.65%	0.965%
48	13.698	1971	1974	1976	rBV	356860	288359	3.57%	0.252%
49	13.727	1976	1979	1981	rVB2	308234	257757	3.19%	0.226%
50	13.780	1984	1988	1989	rBV	2150871	2001330	24.79%	1.752%
51	13.804	1989	1992	1998	rVB2	2464259	4114546	50.97%	3.602%
52	13.857	1998	2001	2003	rBV	513655	435509	5.39%	0.381%
53	13.951	2015	2017	2019	rVB	1004915	799048	9.90%	0.700%
54	13.992	2019	2024	2027	rBV	4281844	4674447	57.90%	4.093%
55	14.021	2027	2029	2032	rVV2	316607	329842	4.09%	0.289%
56	14.139	2044	2049	2051	rBV2	902688	1396725	17.30%	1.223%
57	14.204	2056	2060	2064	rBV	2286200	2364478	29.29%	2.070%
58	14.245	2064	2067	2072	rVB2	1242112	1254068	15.53%	1.098%
59	14.292	2072	2075	2077	rBV	1346891	1103207	13.67%	0.966%
60	14.433	2094	2099	2105	rBV2	4678733	8072922	100.00%	7.068%
61	14.515	2110	2113	2116	rVB3	494931	434035	5.38%	0.380%
62	14.604	2125	2128	2131	rBV	535742	484796	6.01%	0.424%
63	14.657	2135	2137	2141	rVB	1130267	989677	12.26%	0.867%
64	14.751	2150	2153	2158	rVB	994580	1115926	13.82%	0.977%
65	14.862	2169	2172	2175	rVB	775089	757351	9.38%	0.663%
66	15.057	2201	2205	2207	rBV	2220971	2558572	31.69%	2.240%
67	15.086	2207	2210	2214	rVB	1558655	1916892	23.74%	1.678%
68	15.386	2258	2261	2264	rBV	526467	627583	7.77%	0.549%
69	15.615	2296	2300	2306	rVB	737400	1016795	12.60%	0.890%
70	15.845	2335	2339	2343	rVB	843864	1218145	15.09%	1.067%
71	15.898	2344	2348	2354	rBV2	573323	934044	11.57%	0.818%

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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

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72	16.609	2464	2469	2478	rVB2	823984	1544653	19.13%	1.352%
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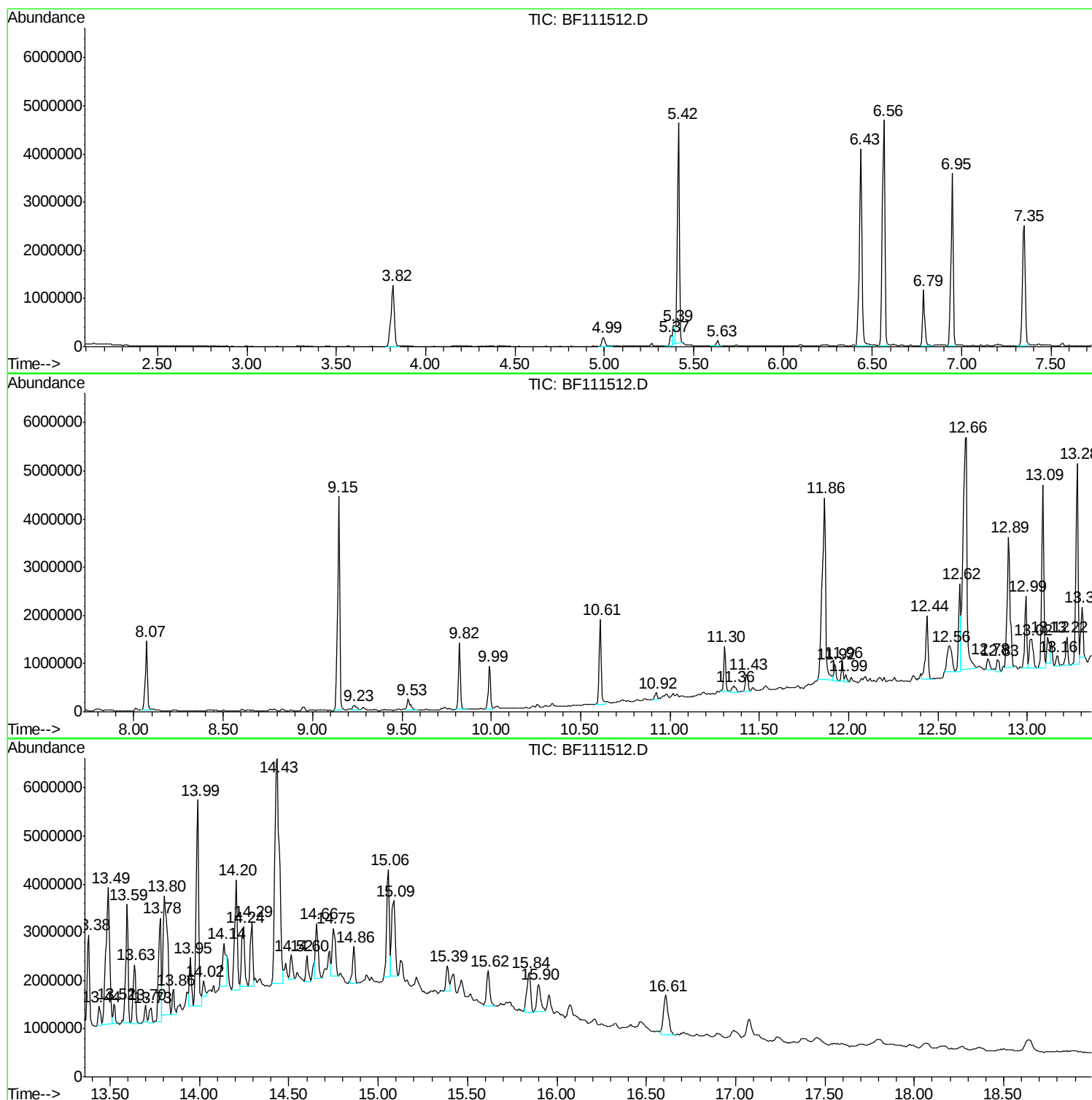
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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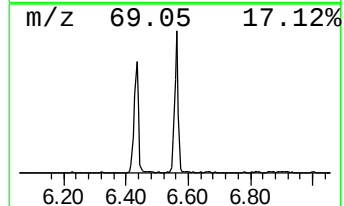
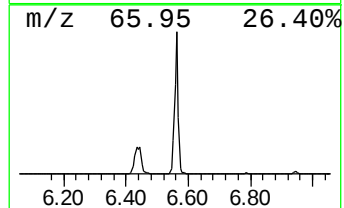
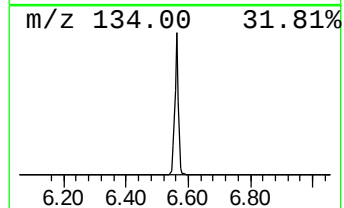
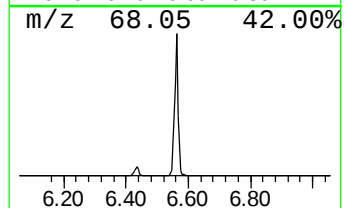
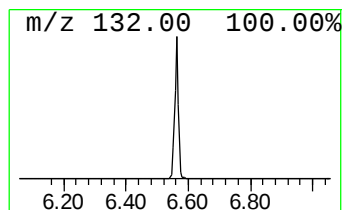
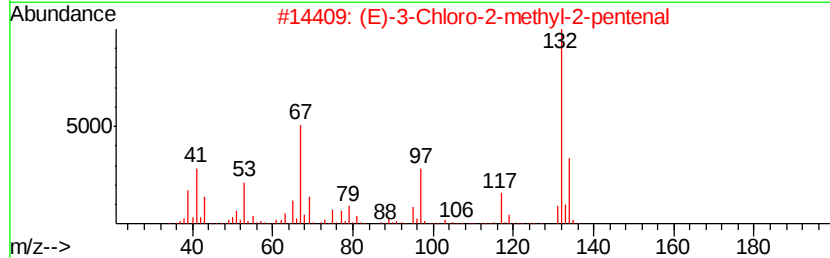
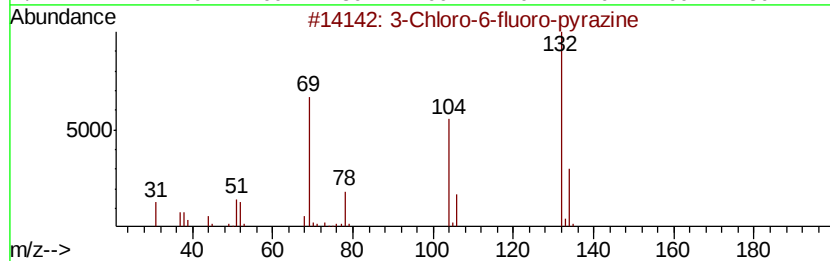
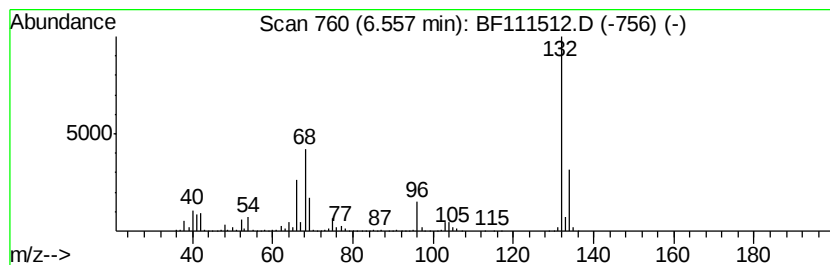
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.56 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	85.68 ng	4012980	1,4-Dichlorobenzene-d4	6.79

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	17
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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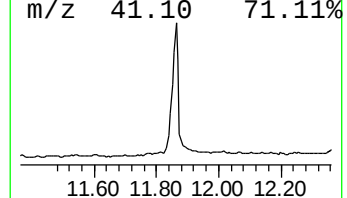
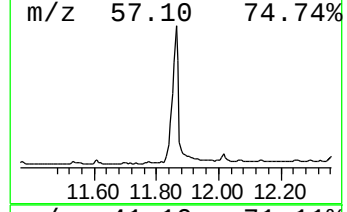
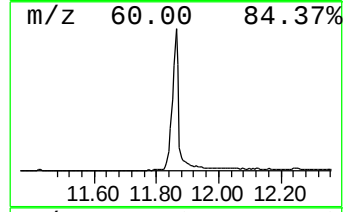
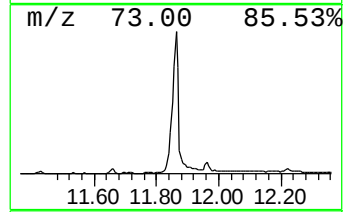
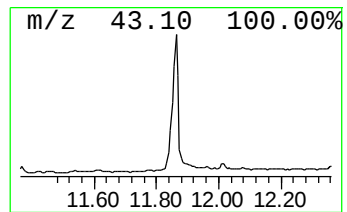
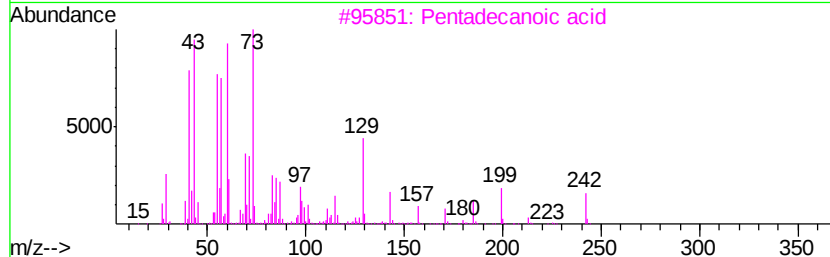
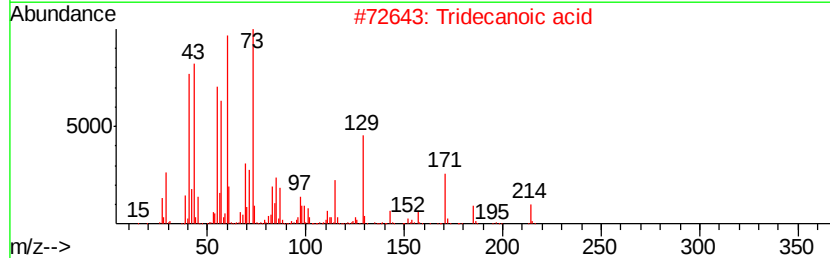
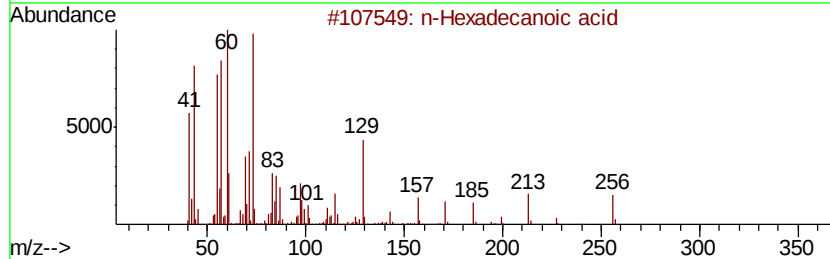
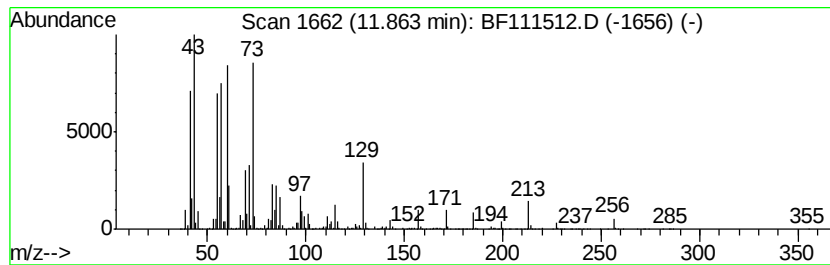
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	127.08 ng	5023290	Phenanthrene-d10	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2		Tridecanoic acid	214	C13H26O2	000638-53-9	94
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	78
5		n-Decanoic acid	172	C10H20O2	000334-48-5	64



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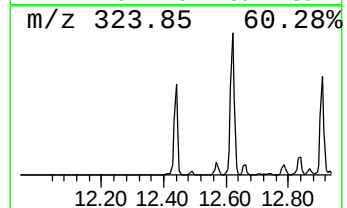
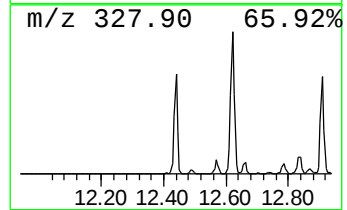
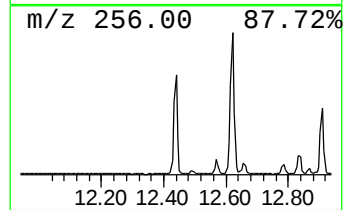
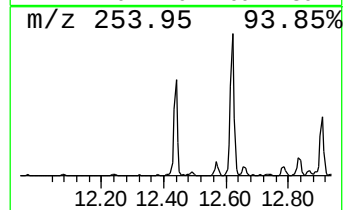
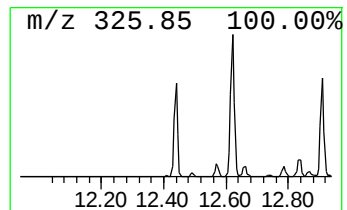
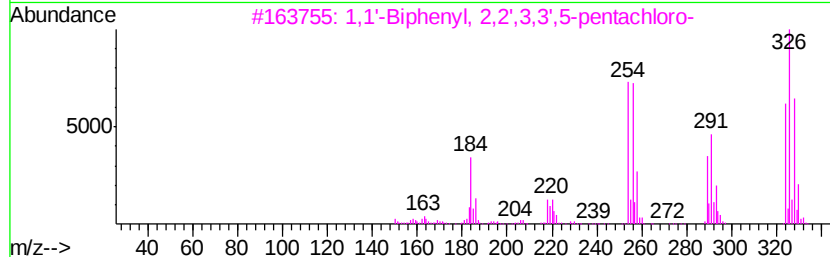
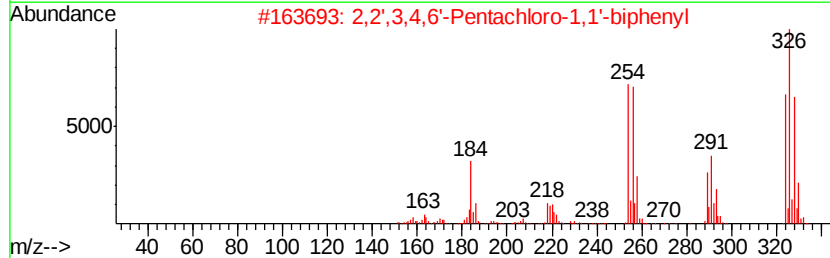
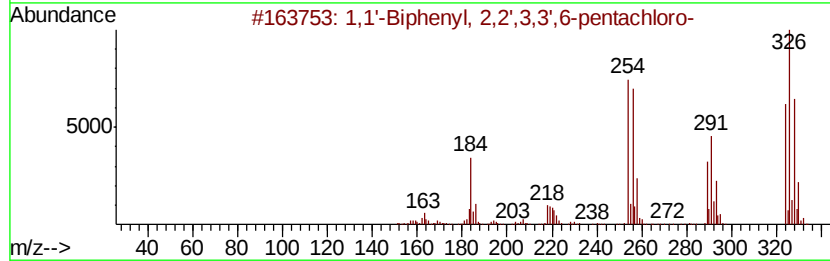
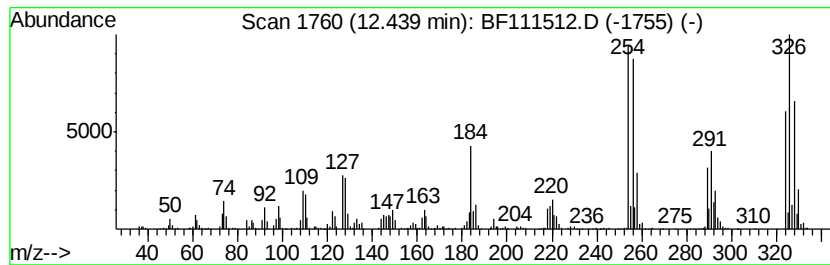
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	35.68 ng	1410210	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2		2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
3		1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
4		2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
5		2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99



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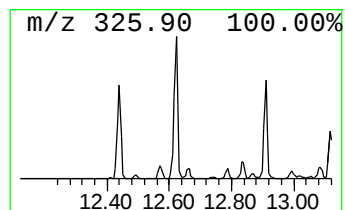
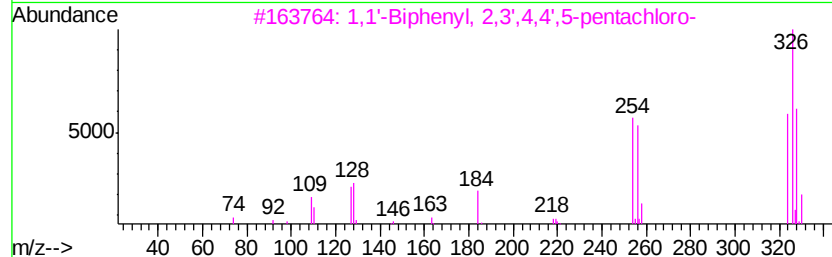
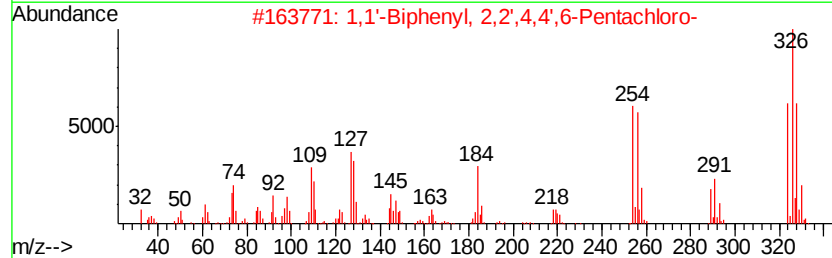
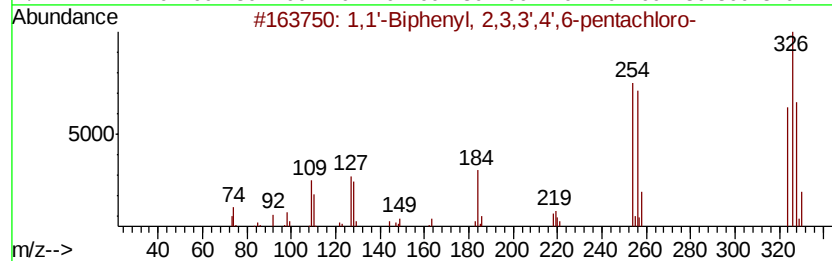
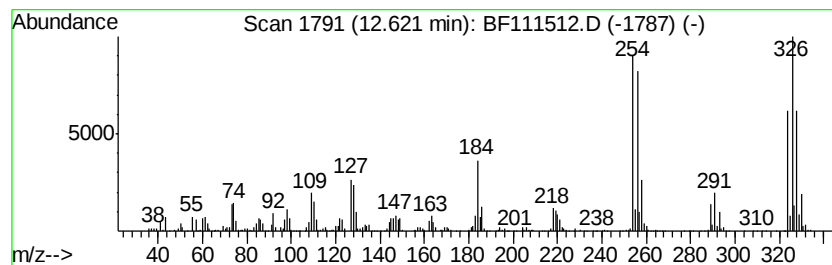
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.62	42.07 ng	1662940	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	2,3',4',5',6-Pentachloro-1,1'-bi...	324	C12H5Cl5	074472-39-2	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01

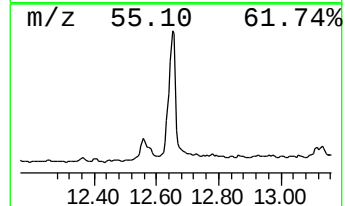
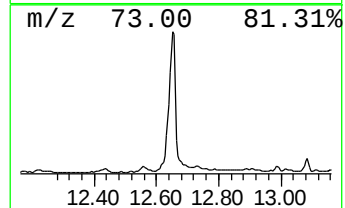
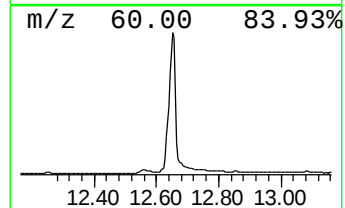
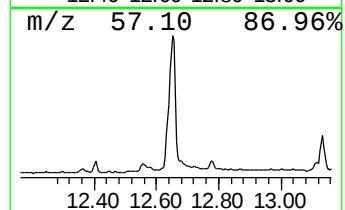
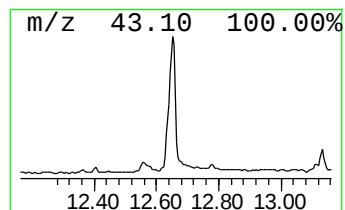
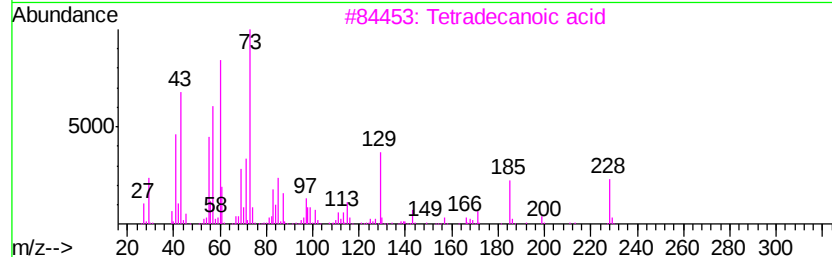
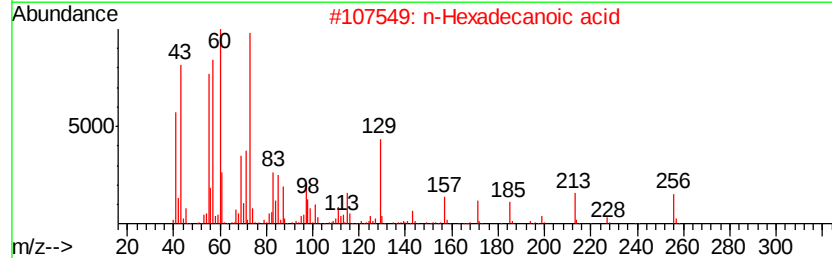
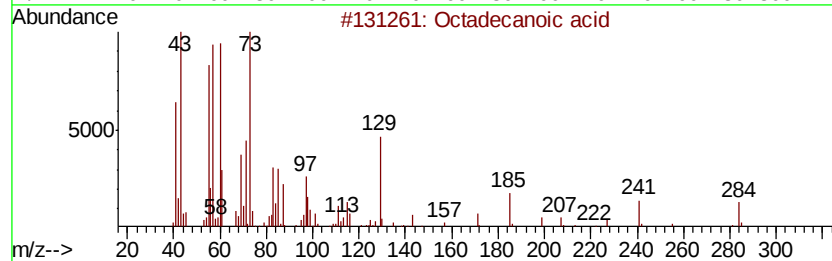
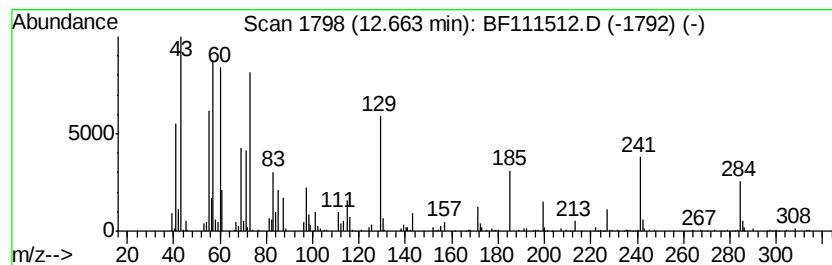
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	168.83 ng	6745060	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	72
5		n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

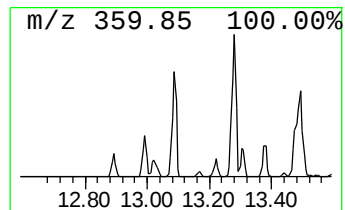
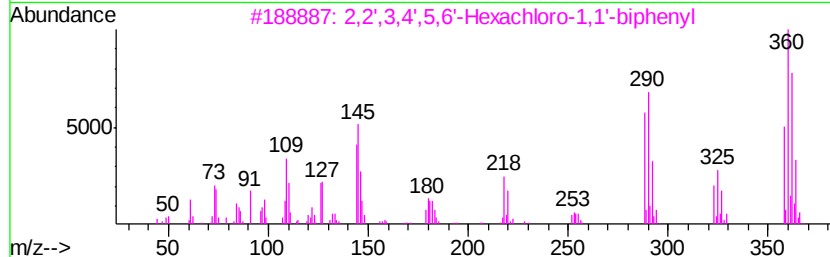
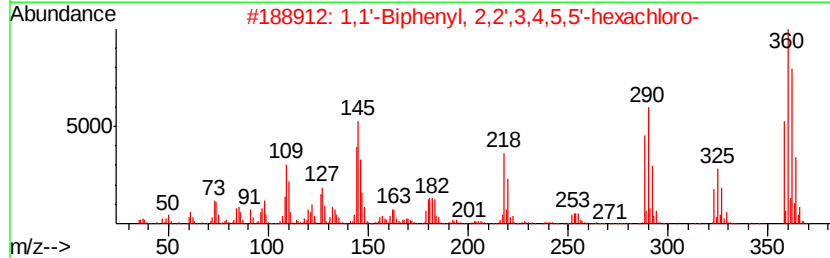
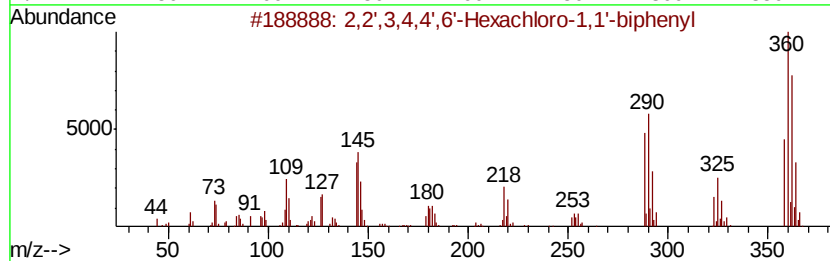
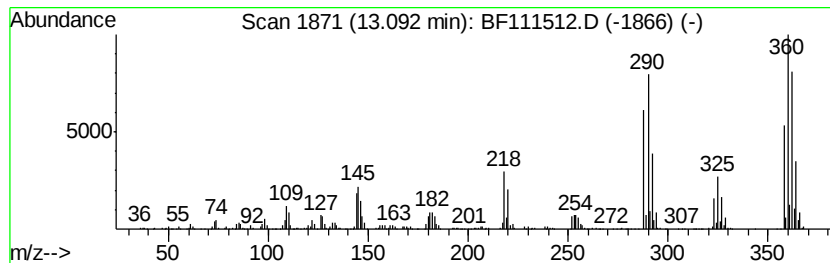
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2,2',3,4,4',6'-Hexachloro-1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.09	85.84 ng	3429710	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

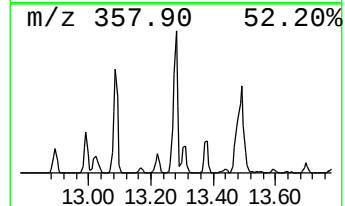
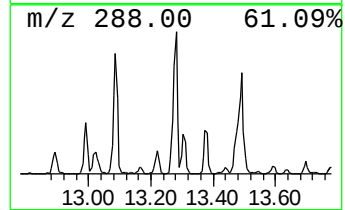
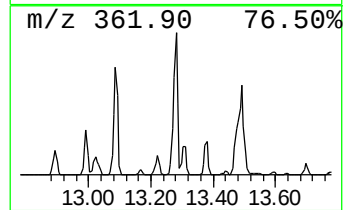
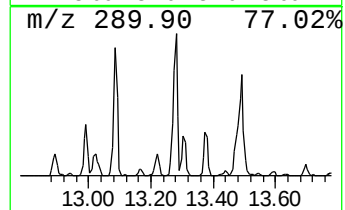
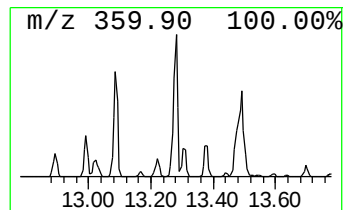
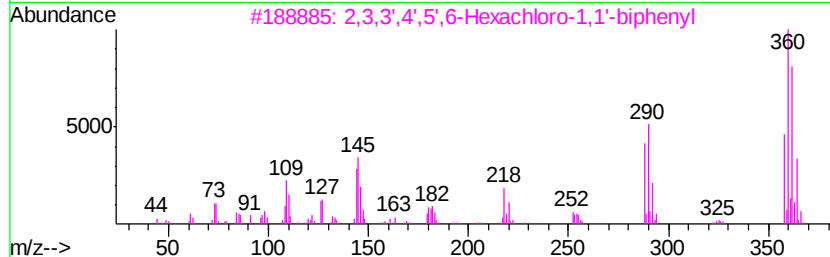
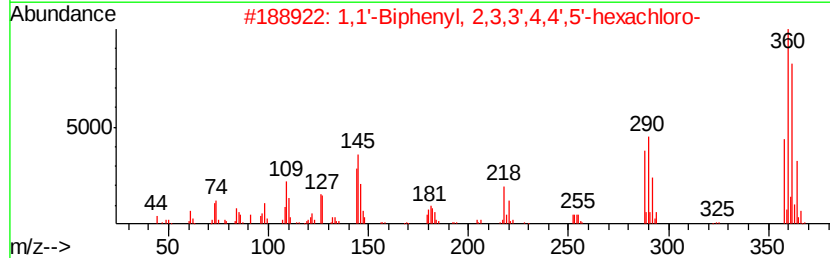
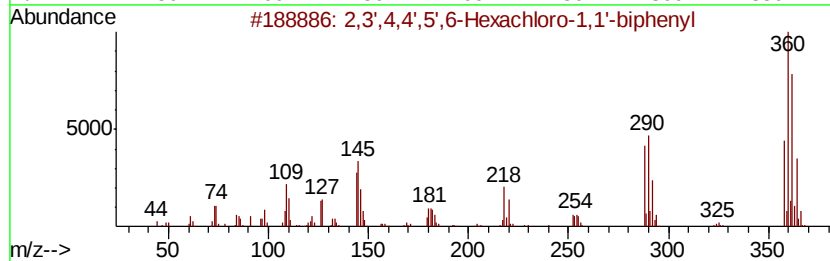
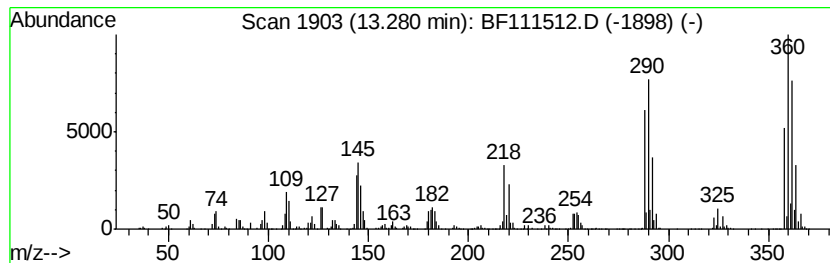
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.28	99.80 ng	3987280	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
3	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99
4	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
5	2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS015-0612-01

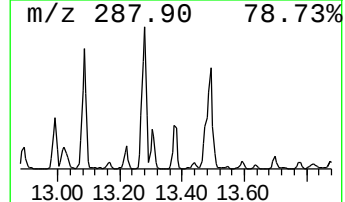
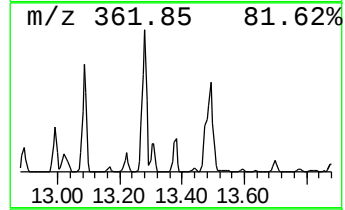
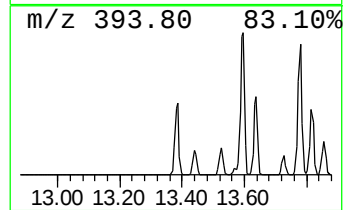
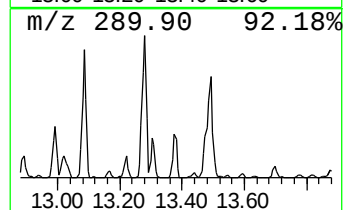
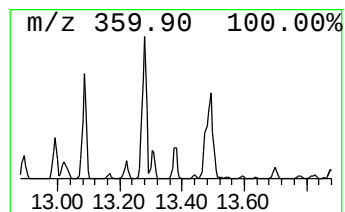
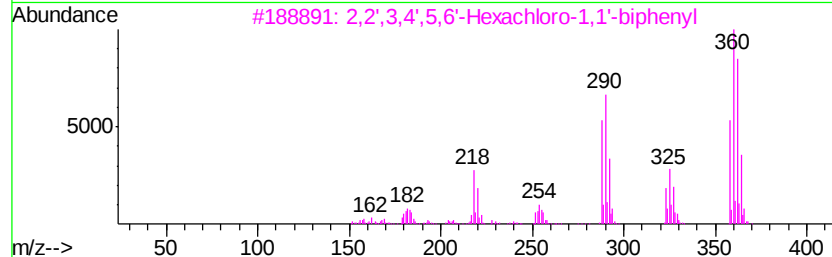
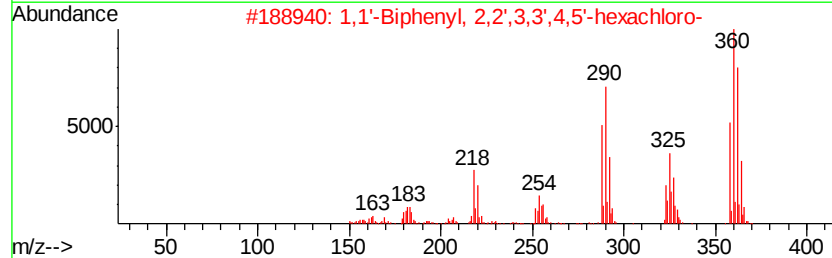
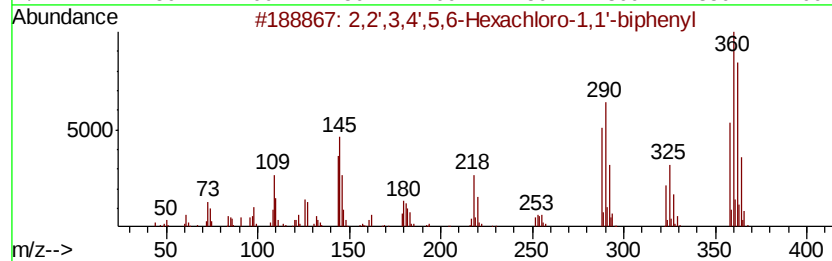
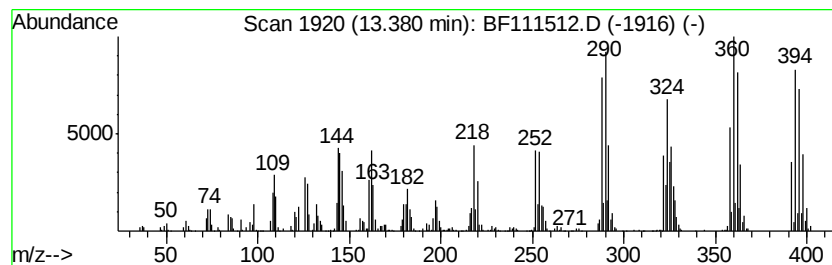
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2,2',3,4',5,6-Hexachloro-1,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	47.58 ng	1901120	Chrysene-d12	13.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	98		
2	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	98		
3	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	98		
4	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	98		
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	97		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

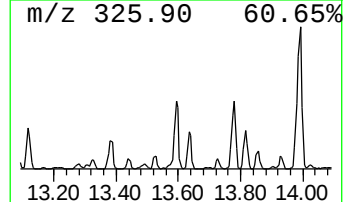
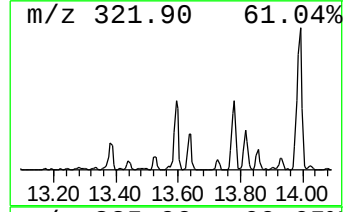
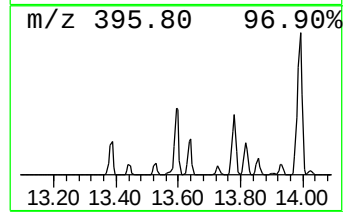
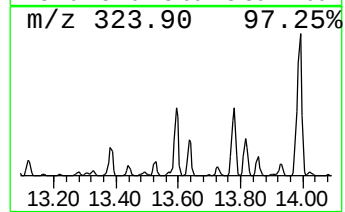
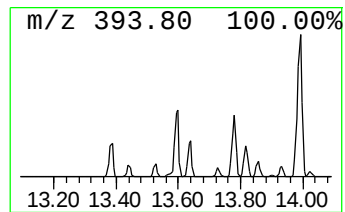
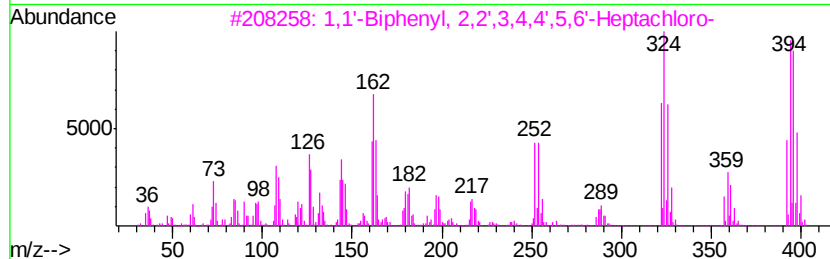
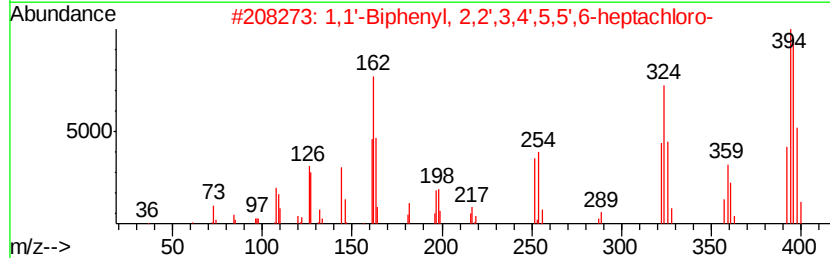
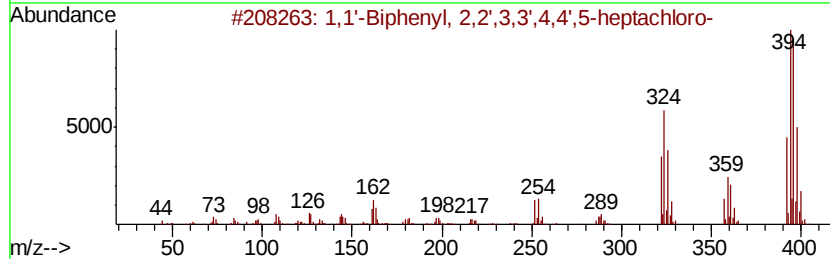
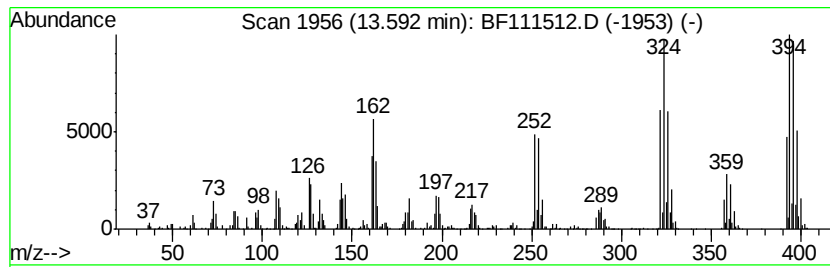
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.59	55.10 ng	2201230	Chrysene-d12		13.95		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
2	1,1'	-Biphenyl,	2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
3	1,1'	-Biphenyl,	2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	2,3,3'	4,4',5',6-Heptachloro-	1,1...	392	C12H3Cl7	074472-50-7	99
5	1,1'	-Biphenyl,	2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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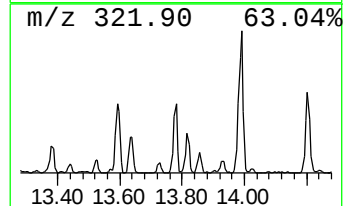
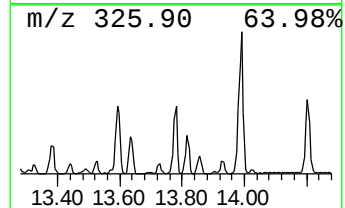
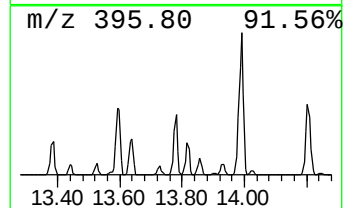
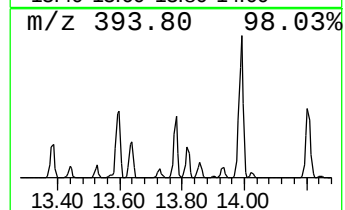
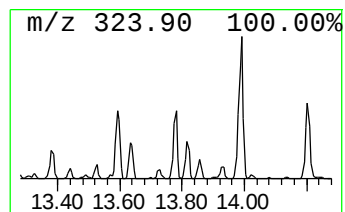
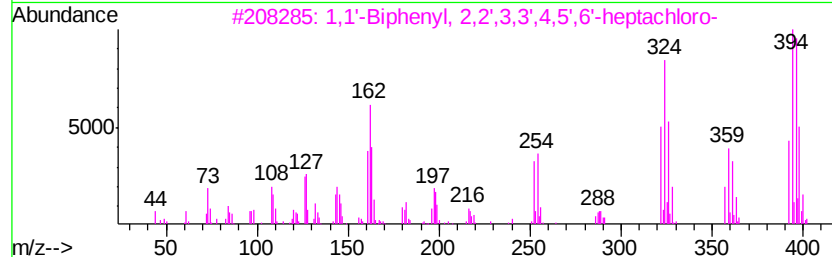
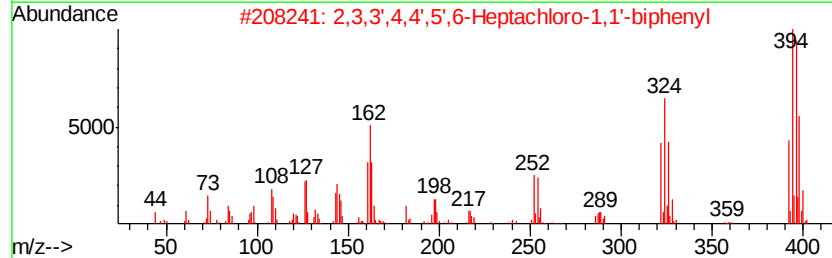
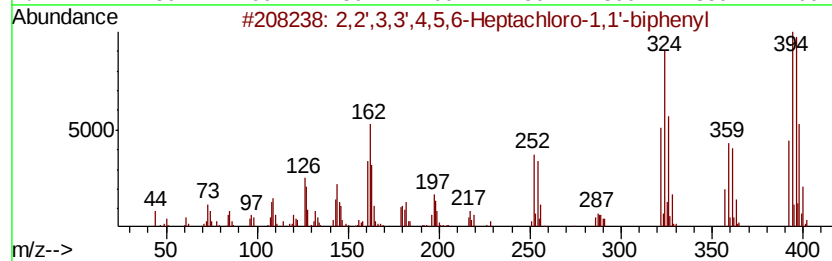
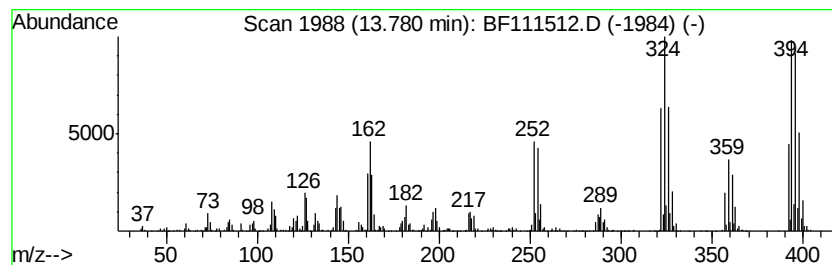
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2,2',3,3',4,5,6-Heptachloro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	50.09 ng	2001330	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99
2		2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99
3		1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99
4		2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99
5		2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
 Data File : BF111512.D
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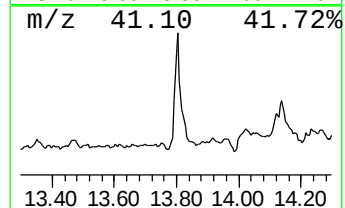
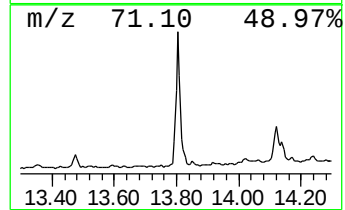
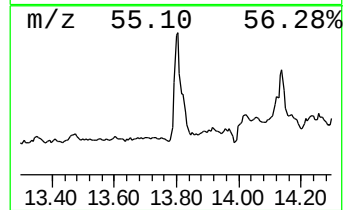
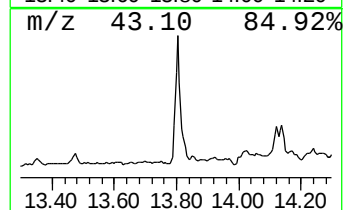
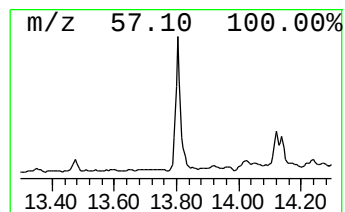
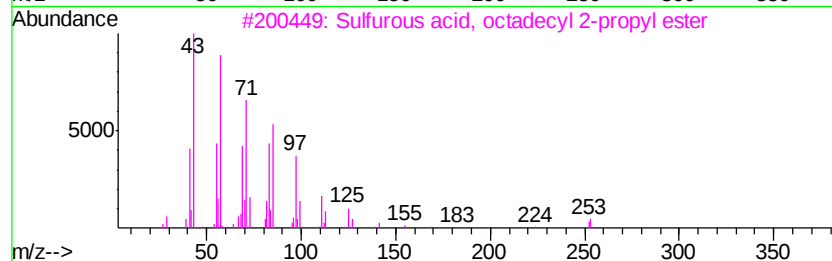
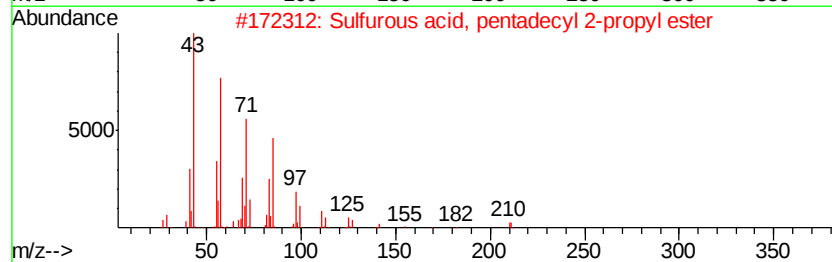
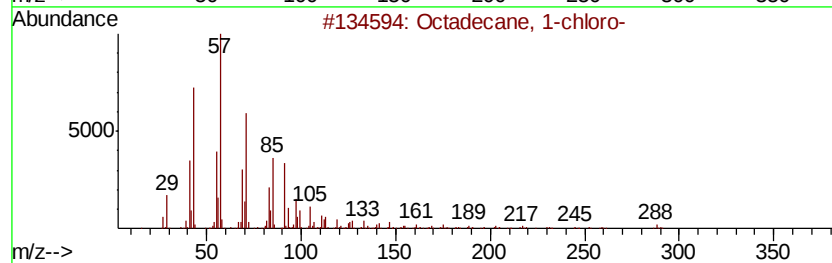
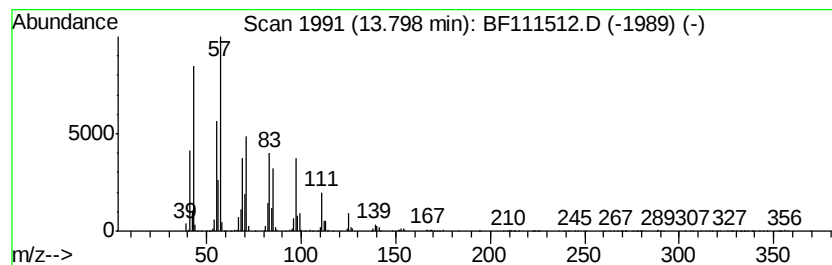
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 14 Octadecane, 1-chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	102.99 ng	4114550	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	86
2		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	86
3		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	74
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	70
5		Dodecane, 1,1'-oxybis-	354	C24H50O	004542-57-8	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

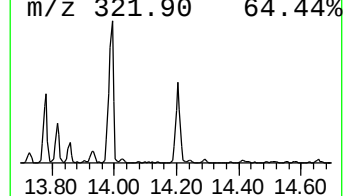
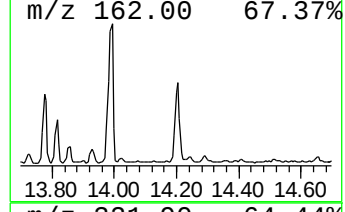
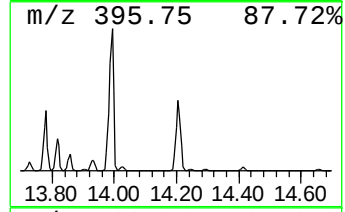
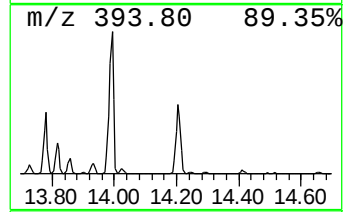
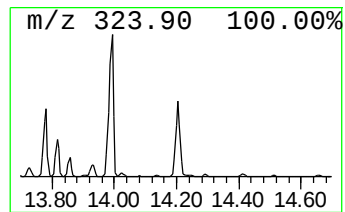
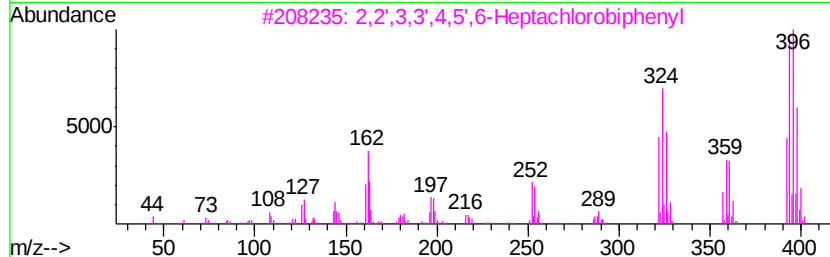
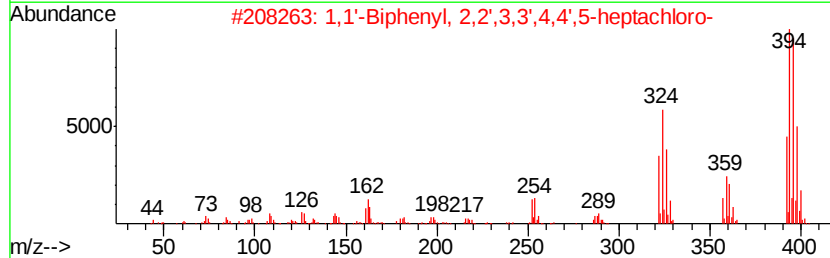
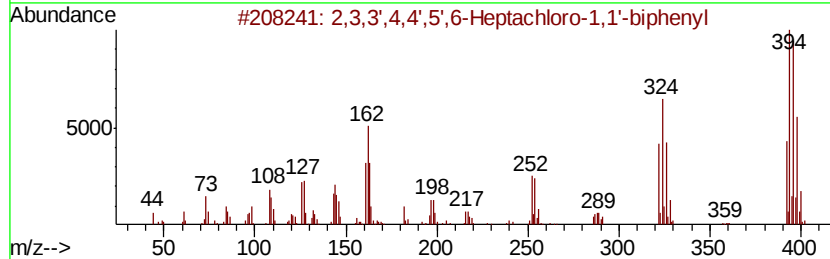
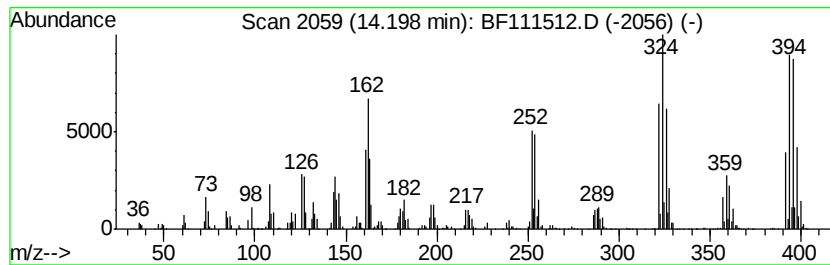
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 2,3,3',4,4',5',6-Heptachlor... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.20	59.18 ng	2364480	Chrysene-d12	13.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99	
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99	
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99	
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99	
5	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Operator : JU/SJ
Sample : J6391-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

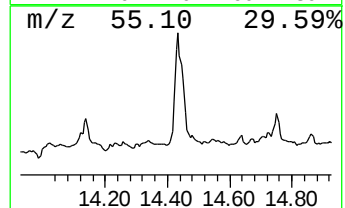
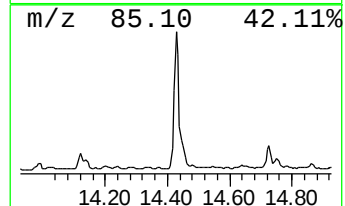
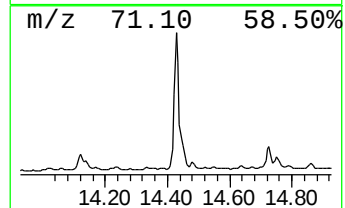
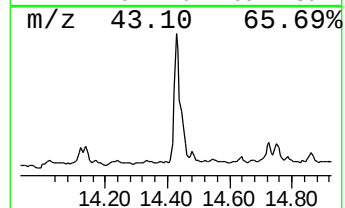
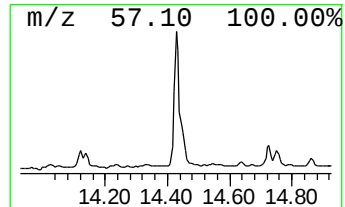
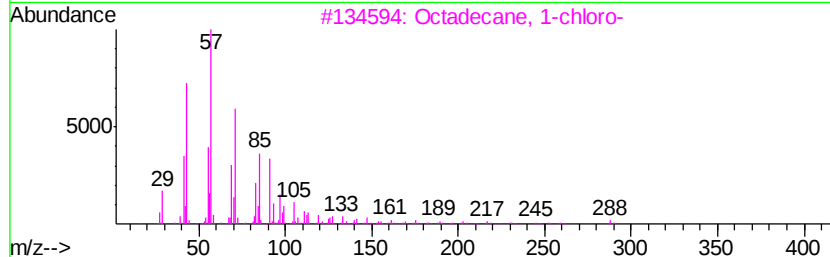
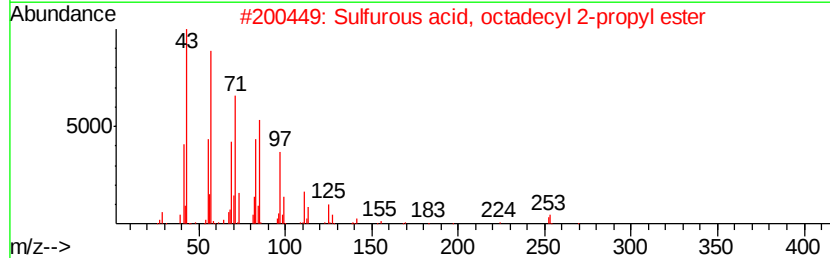
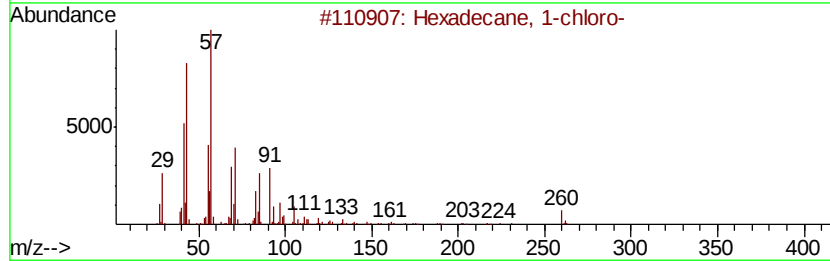
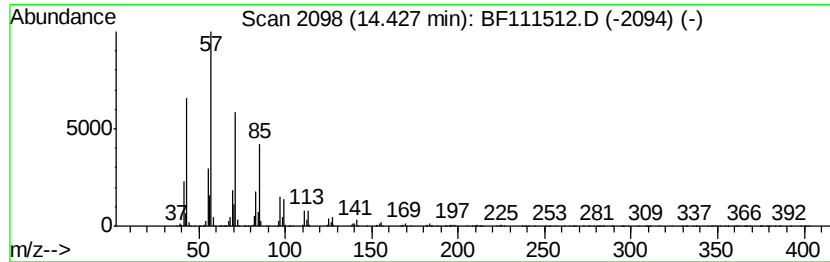
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexadecane, 1-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.43	202.06 ng	8072920	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	93
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	87
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
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Misc :
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Instrument :
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ClientSampleId :
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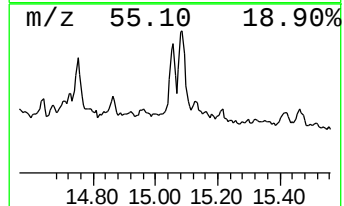
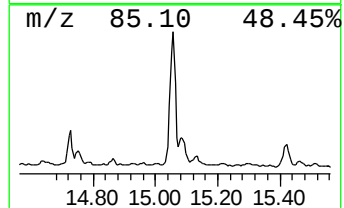
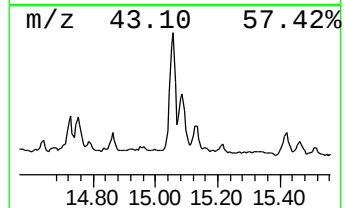
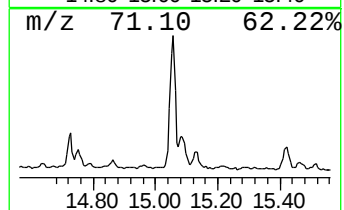
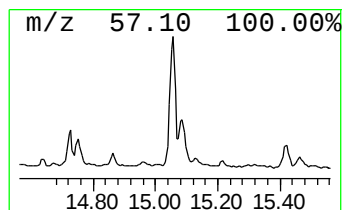
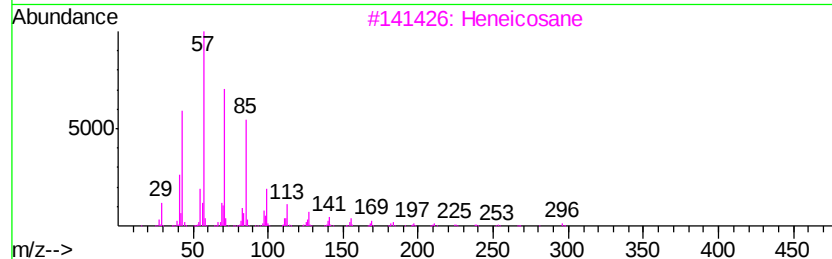
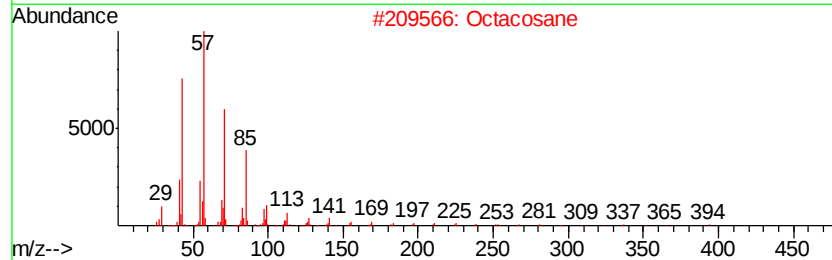
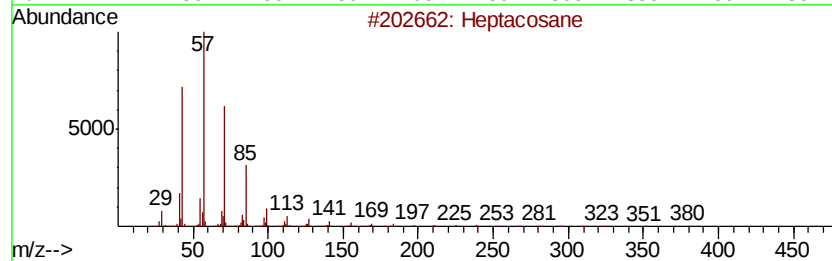
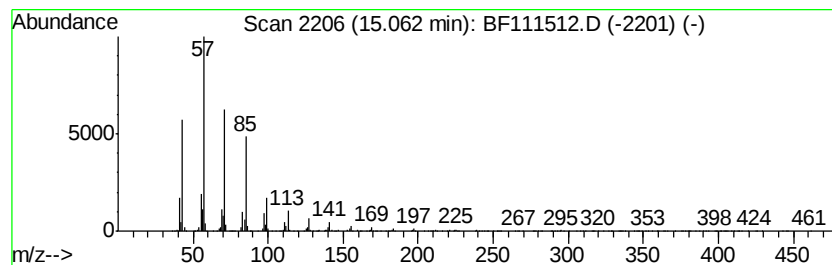
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	81.54 ng	2558570	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Tetracosane	338	C24H50	000646-31-1	90
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
Sample : J6391-01
Misc :
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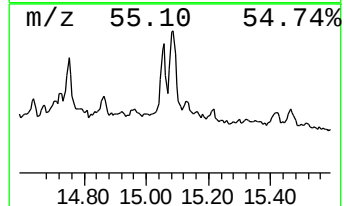
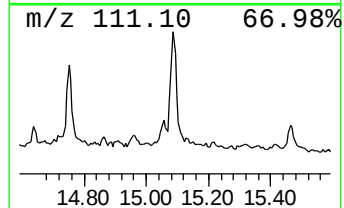
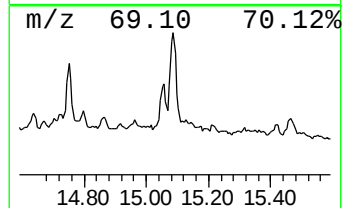
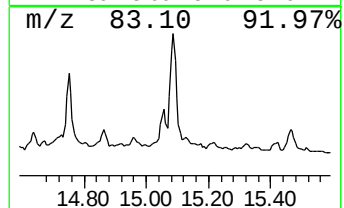
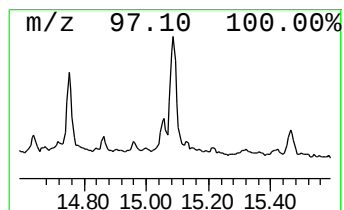
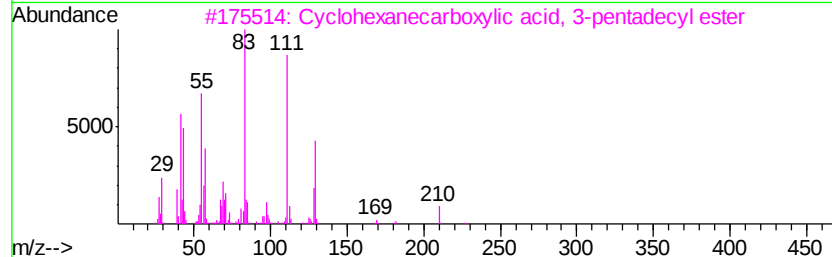
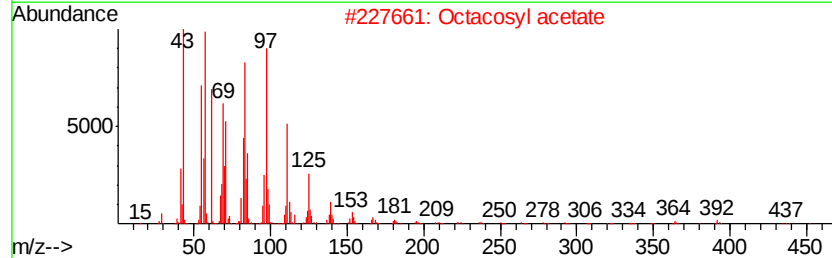
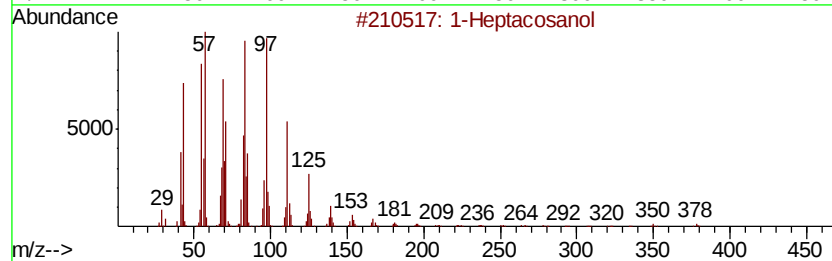
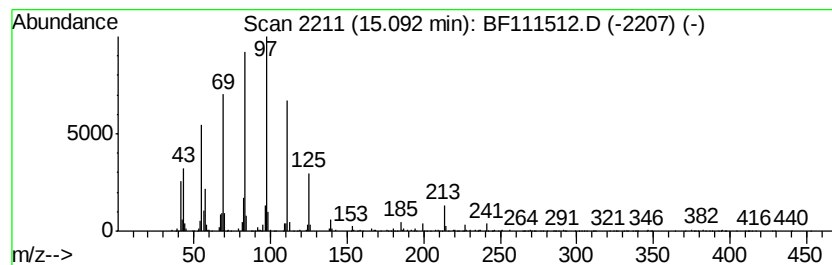
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-Heptacosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	61.09 ng	1916890	Perylene-d12	15.39
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Heptacosanol	396 C27H56O	002004-39-9 46
2		Octacosyl acetate	452 C30H60O2	018206-97-8 43
3		Cyclohexanecarboxylic acid, 3-pe...	338 C22H42O2	1000280-60-0 43
4		5-Amino-1-ethylpyrazole	111 C5H9N3	003528-58-3 38
5		Cyclohexanecarboxylic acid, ethe...	154 C9H14O2	004840-76-0 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111512.D
Acq On : 16 Dec 2018 16:57
Operator : JU/SJ
Sample : J6391-01
Misc :
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Instrument :
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ClientSampleId :
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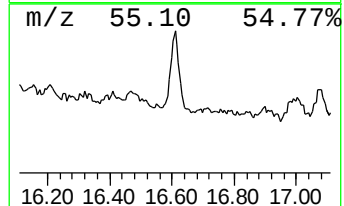
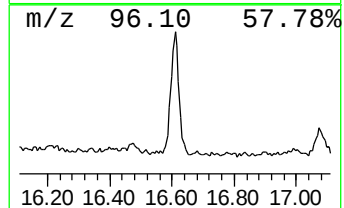
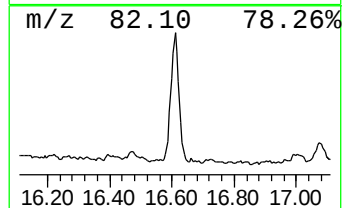
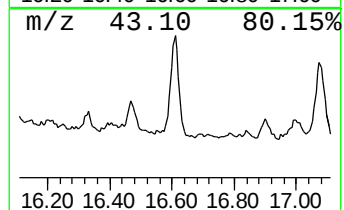
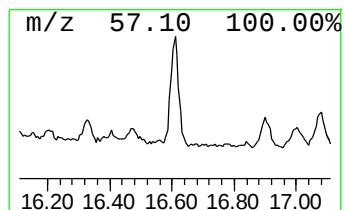
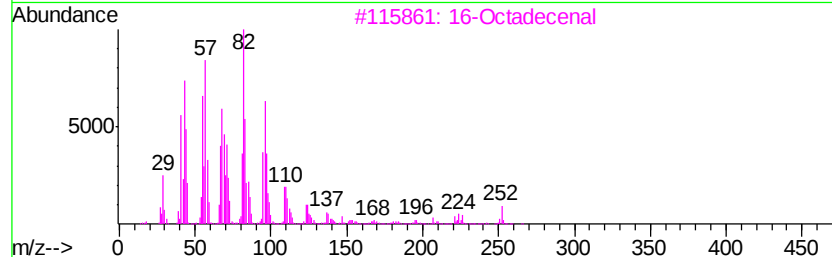
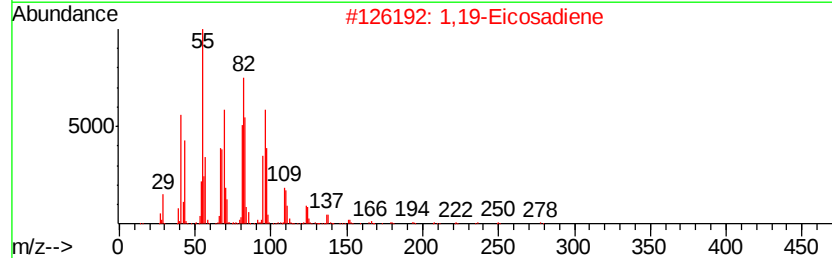
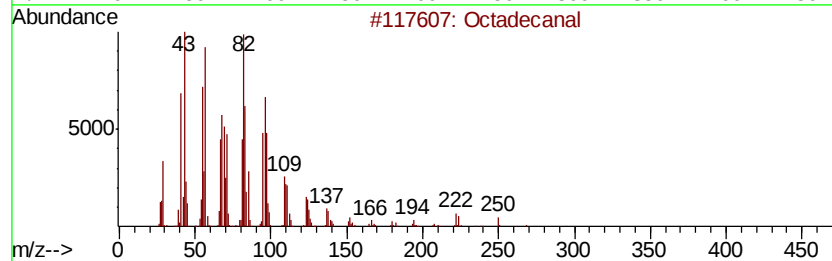
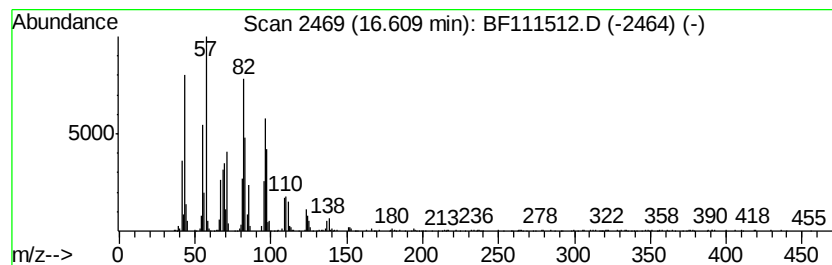
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octadecanal Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	49.23 ng	1544650	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanal	268	C18H36O	000638-66-4	93
2		1,19-Eicosadiene	278	C20H38	014811-95-1	90
3		16-Octadecenal	266	C18H34O	056554-87-1	90
4		13-Octadecenal	266	C18H34O	056554-90-6	90
5		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121618\
 Data File : BF111512.D
 Acq On : 16 Dec 2018 16:57
 Operator : JU/SJ
 Sample : J6391-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
unknown6.56	6.56	85.7	ng	4012980	1	6.79	936782	20.0
n-Hexadecanoic acid	11.86	127.1	ng	5023290	4	11.30	790565	20.0
1,1'-Biphenyl, 2,...	12.44	35.7	ng	1410210	4	11.30	790565	20.0
1,1'-Biphenyl, 2,...	12.62	42.1	ng	1662940	4	11.30	790565	20.0
Octadecanoic acid	12.66	168.8	ng	6745060	5	13.95	799048	20.0
2,2',3,4,4',6'-He...	13.09	85.8	ng	3429710	5	13.95	799048	20.0
2,3',4,4',5',6'-He...	13.28	99.8	ng	3987280	5	13.95	799048	20.0
2,2',3,4',5,6-Hex...	13.38	47.6	ng	1901120	5	13.95	799048	20.0
1,1'-Biphenyl, 2,...	13.59	55.1	ng	2201230	5	13.95	799048	20.0
2,2',3,3',4,5,6-H...	13.78	50.1	ng	2001330	5	13.95	799048	20.0
Octadecane, 1-chl...	13.80	103.0	ng	4114550	5	13.95	799048	20.0
2,3,3',4,4',5',6-...	14.20	59.2	ng	2364480	5	13.95	799048	20.0
Hexadecane, 1-chl...	14.43	202.1	ng	8072920	5	13.95	799048	20.0
Heptacosane	15.06	81.5	ng	2558570	6	15.39	627583	20.0
1-Heptacosanol	15.09	61.1	ng	1916890	6	15.39	627583	20.0
Octadecanal	16.61	49.2	ng	1544650	6	15.39	627583	20.0