

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111538.D
 Acq On : 17 Dec 2018 14:39
 Operator : JU/SJ
 Sample : J6386-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0006-01

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	4.998	488	495	501	rBV	148966	201875	5.30%	0.409%
2	5.422	563	567	576	rBV	3320013	3138773	82.40%	6.362%
3	5.493	576	579	586	rVB	46376	50228	1.32%	0.102%
4	6.440	735	740	754	rBV	3642832	3808968	100.00%	7.720%
5	6.563	757	761	765	rBV	3596170	3510566	92.17%	7.115%
6	6.622	768	771	775	rBV2	29629	43677	1.15%	0.089%
7	6.787	796	799	803	rBV	1241049	1032233	27.10%	2.092%
8	6.822	803	805	808	rVV	188954	182260	4.79%	0.369%
9	6.845	808	809	817	rVB2	63144	61352	1.61%	0.124%
10	6.945	822	826	829	rBV	3098922	2576469	67.64%	5.222%
11	7.051	839	844	849	rBV3	59030	61169	1.61%	0.124%
12	7.204	865	870	877	rBV	84305	101936	2.68%	0.207%
13	7.351	889	895	898	rBV	2163917	2252828	59.15%	4.566%
14	7.392	900	902	907	rVB3	27689	40422	1.06%	0.082%
15	7.728	956	959	965	rVB	41934	48973	1.29%	0.099%
16	7.792	965	970	978	rBV2	41933	77712	2.04%	0.158%
17	8.069	1013	1017	1020	rBV	1472487	1286892	33.79%	2.608%
18	8.522	1086	1094	1098	rBV8	19598	38920	1.02%	0.079%
19	8.781	1132	1138	1142	rBV	81731	77382	2.03%	0.157%
20	8.881	1151	1155	1160	rVB2	101434	88642	2.33%	0.180%
21	9.034	1178	1181	1185	rBV	51160	47460	1.25%	0.096%
22	9.145	1193	1200	1203	rBV	3600230	3075989	80.76%	6.235%
23	9.239	1211	1216	1221	rVV4	62047	104611	2.75%	0.212%
24	9.286	1221	1224	1228	rVB	41773	46548	1.22%	0.094%
25	9.410	1242	1245	1249	rBV2	39321	58924	1.55%	0.119%
26	9.486	1253	1258	1260	rBV	84873	92787	2.44%	0.188%
27	9.539	1264	1267	1273	rVB	204618	216975	5.70%	0.440%
28	9.598	1274	1277	1282	rVV	37089	41770	1.10%	0.085%
29	9.681	1287	1291	1296	rBV	148359	146612	3.85%	0.297%
30	9.822	1309	1315	1319	rBV	1415782	1304854	34.26%	2.645%
31	10.028	1346	1350	1354	rBV	43676	42751	1.12%	0.087%
32	10.139	1364	1369	1372	rBV3	43332	49355	1.30%	0.100%
33	10.233	1380	1385	1387	rBV4	32722	45001	1.18%	0.091%
34	10.369	1405	1408	1415	rVB3	64507	81732	2.15%	0.166%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.433	1415	1419	1421	rBV5	30551	42058	1.10%	0.085%
36	10.610	1445	1449	1457	rVV	1702708	1635579	42.94%	3.315%
37	10.716	1464	1467	1469	rBV	98994	92706	2.43%	0.188%
38	10.733	1469	1470	1474	rVB3	60944	52152	1.37%	0.106%
39	11.110	1531	1534	1538	rBV	45255	43615	1.15%	0.088%
40	11.151	1538	1541	1544	rVV	86201	88872	2.33%	0.180%
41	11.204	1548	1550	1554	rVB	49661	55462	1.46%	0.112%
42	11.310	1564	1568	1570	rBV	1158828	1135005	29.80%	2.300%
43	11.327	1570	1571	1576	rVV	562530	473363	12.43%	0.959%
44	11.380	1576	1580	1584	rVV	91922	91453	2.40%	0.185%
45	11.539	1601	1607	1608	rBV5	31577	46340	1.22%	0.094%
46	11.639	1621	1624	1629	rVB2	70540	83581	2.19%	0.169%
47	11.763	1642	1645	1649	rBV5	40056	63951	1.68%	0.130%
48	11.810	1649	1653	1655	rVV	252824	244982	6.43%	0.497%
49	11.839	1655	1658	1664	rVV	524616	582810	15.30%	1.181%
50	11.916	1668	1671	1674	rVV2	221000	265674	6.97%	0.538%
51	11.945	1674	1676	1681	rVB	147186	133054	3.49%	0.270%
52	12.104	1700	1703	1705	rBV	95583	85331	2.24%	0.173%
53	12.127	1705	1707	1714	rVB4	66735	77043	2.02%	0.156%
54	12.286	1731	1734	1736	rBV	81812	81205	2.13%	0.165%
55	12.310	1736	1738	1741	rVB	55982	43670	1.15%	0.089%
56	12.357	1743	1746	1749	rBV	256961	289837	7.61%	0.587%
57	12.398	1749	1753	1757	rVV3	103800	170560	4.48%	0.346%
58	12.439	1757	1760	1766	rVB5	158379	200377	5.26%	0.406%
59	12.522	1770	1774	1777	rBV	466814	451029	11.84%	0.914%
60	12.622	1787	1791	1794	rBV3	272595	348727	9.16%	0.707%
61	12.745	1809	1812	1815	rBV	768129	680346	17.86%	1.379%
62	12.774	1815	1817	1820	rVB	133466	115595	3.03%	0.234%
63	12.892	1833	1837	1846	rVB	2950309	2670149	70.10%	5.412%
64	12.969	1846	1850	1851	rBV2	91002	109714	2.88%	0.222%
65	12.986	1851	1853	1856	rVV	242372	206792	5.43%	0.419%
66	13.016	1856	1858	1862	rVV4	100486	115333	3.03%	0.234%
67	13.080	1866	1869	1872	rVV2	742501	639588	16.79%	1.296%
68	13.133	1876	1878	1882	rVV2	109497	140941	3.70%	0.286%
69	13.180	1884	1886	1890	rVV	154481	133096	3.49%	0.270%
70	13.216	1890	1892	1895	rVV4	88259	75141	1.97%	0.152%
71	13.269	1898	1901	1904	rVV2	816839	724240	19.01%	1.468%

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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
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72	13.304	1904	1907	1910	rVB	264404	250680	6.58%	0.508%
73	13.374	1916	1919	1926	rVB3	317649	342257	8.99%	0.694%
74	13.480	1932	1937	1942	rVB2	419641	624106	16.39%	1.265%
75	13.521	1942	1944	1949	rVB5	72932	53358	1.40%	0.108%
76	13.586	1952	1955	1959	rVB	450389	403385	10.59%	0.818%
77	13.633	1960	1963	1967	rBV3	149130	144610	3.80%	0.293%
78	13.721	1976	1978	1980	rVB	95332	74127	1.95%	0.150%
79	13.774	1984	1987	1989	rBV	343734	334116	8.77%	0.677%
80	13.798	1989	1991	1998	rVB3	366955	511761	13.44%	1.037%
81	13.945	2011	2016	2019	rBV2	1478540	1618163	42.48%	3.280%
82	13.980	2019	2022	2026	rVB2	682324	739081	19.40%	1.498%
83	14.198	2056	2059	2063	rBV2	288219	279003	7.32%	0.565%
84	14.239	2063	2066	2068	rBV	170631	140259	3.68%	0.284%
85	14.286	2072	2074	2077	rBV4	126872	122545	3.22%	0.248%
86	14.421	2094	2097	2101	rBV2	305535	327301	8.59%	0.663%
87	14.651	2134	2136	2140	rBV3	113565	105406	2.77%	0.214%
88	14.863	2169	2172	2177	rVB	219401	228346	5.99%	0.463%
89	14.968	2187	2190	2198	rVB	180594	324146	8.51%	0.657%
90	15.051	2200	2204	2207	rBV	1254524	1372181	36.03%	2.781%
91	15.321	2247	2250	2255	rBV	221969	275145	7.22%	0.558%
92	15.386	2257	2261	2264	rBV	795298	945281	24.82%	1.916%
93	15.615	2296	2300	2303	rBV	299466	372851	9.79%	0.756%
94	15.845	2334	2339	2344	rVB	1497311	2095179	55.01%	4.247%
95	16.609	2465	2469	2474	rVB3	203667	337991	8.87%	0.685%
96	16.904	2513	2519	2525	rVB	410841	790424	20.75%	1.602%

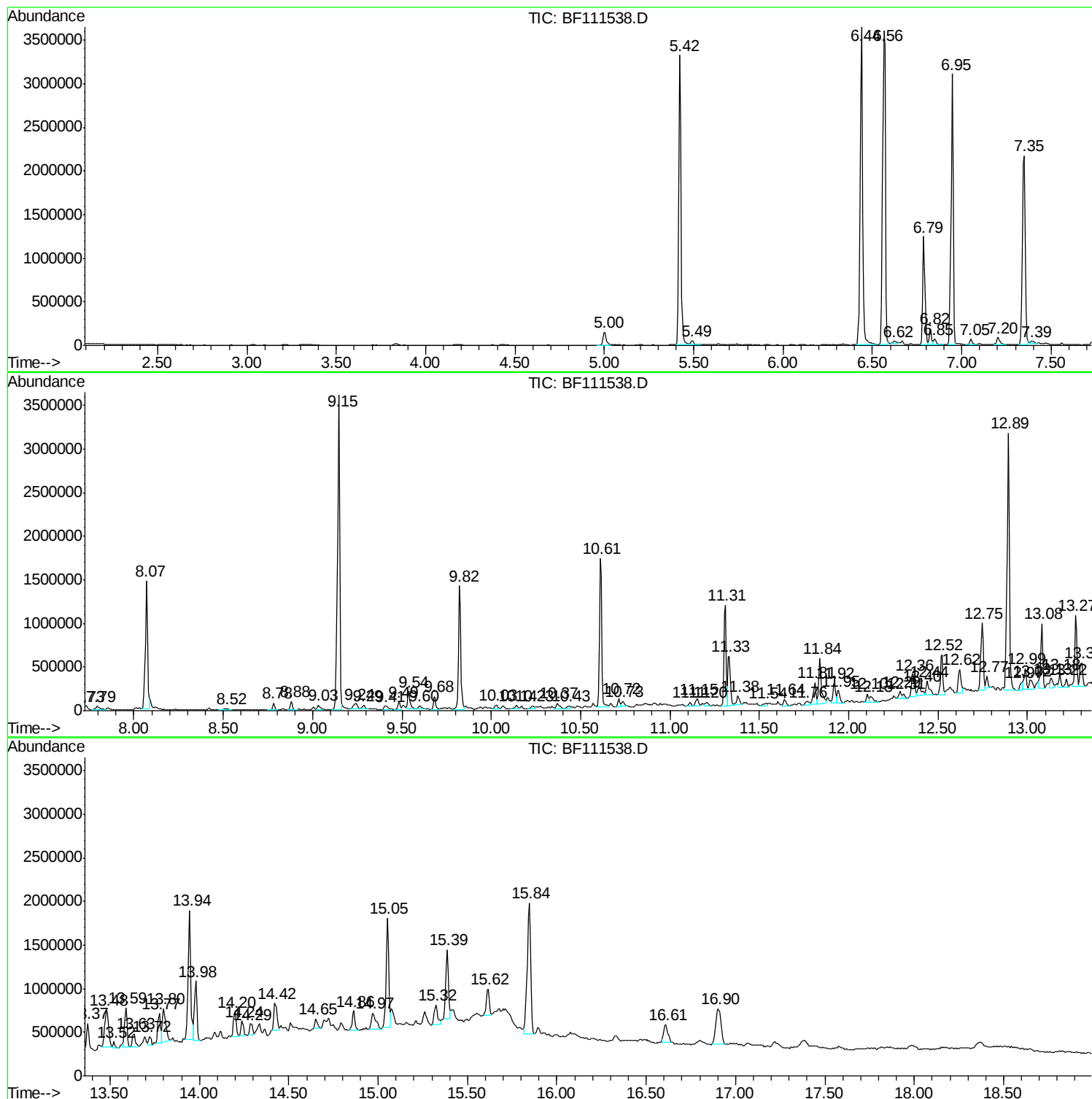
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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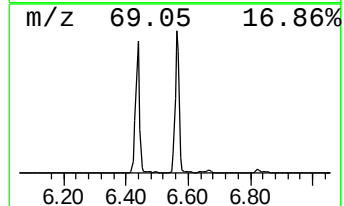
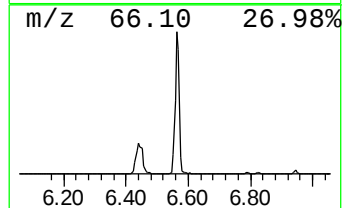
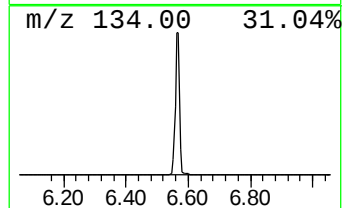
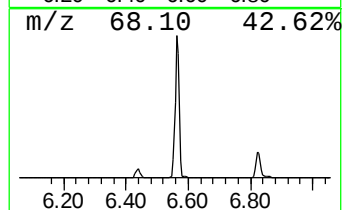
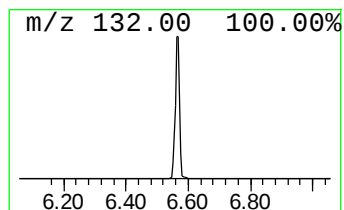
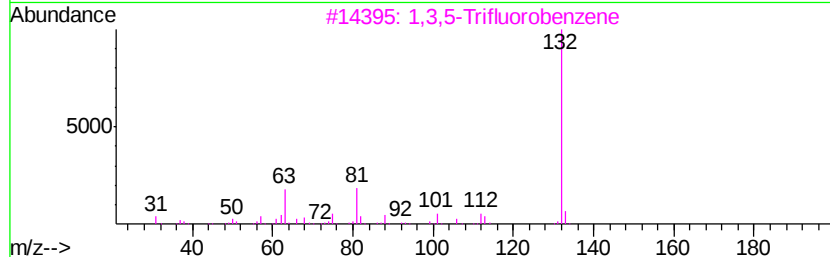
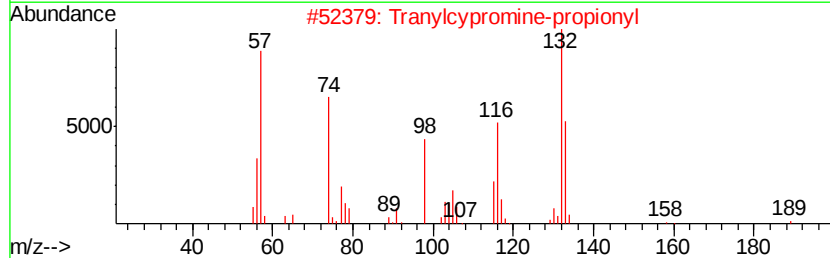
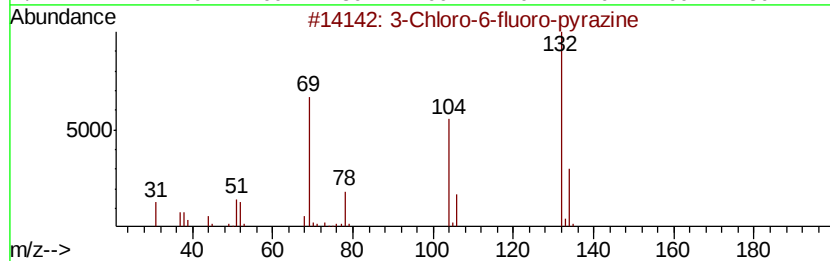
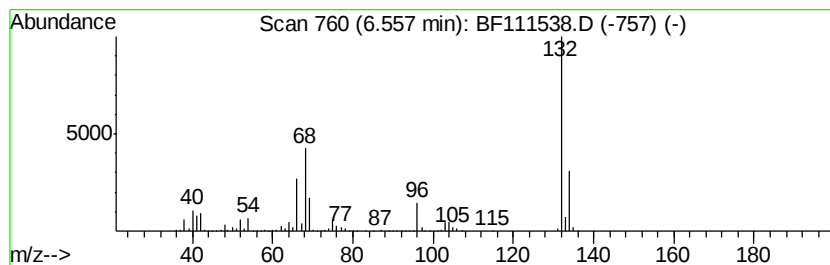
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	68.02 ng	3510570	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		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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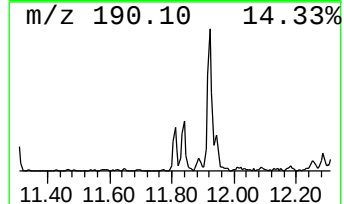
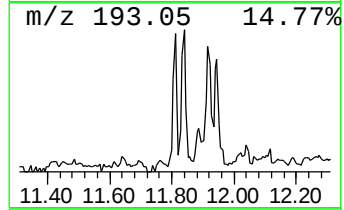
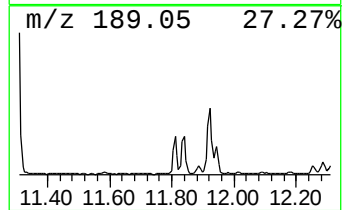
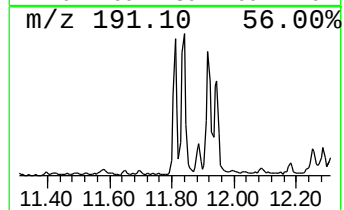
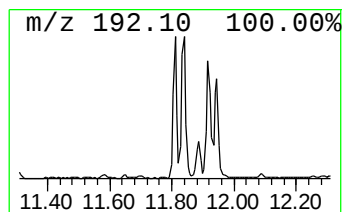
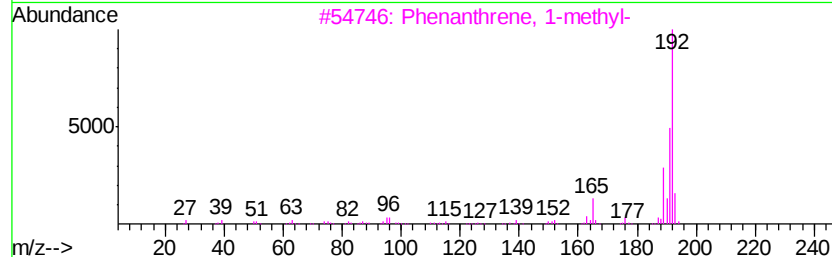
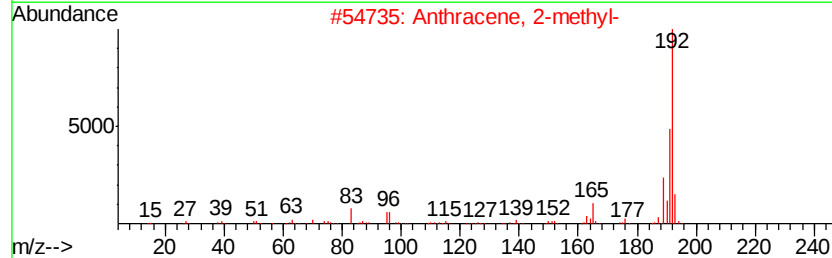
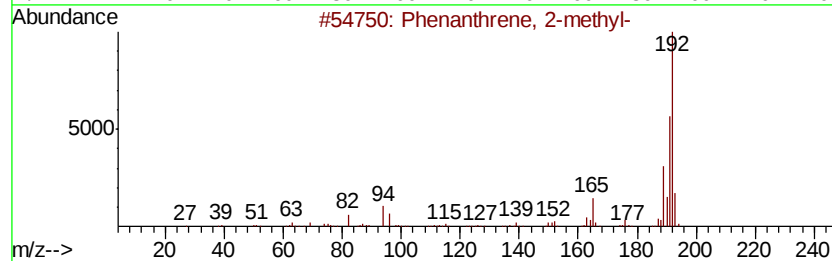
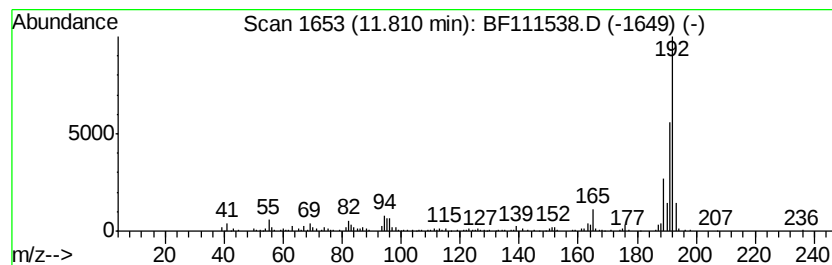
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	4.32 ng	244982	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



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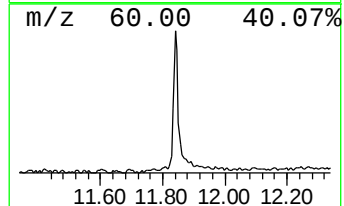
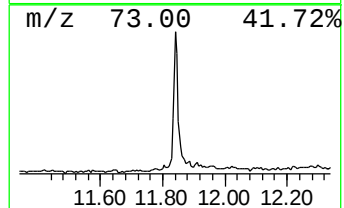
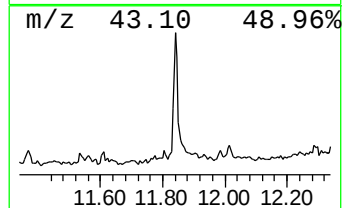
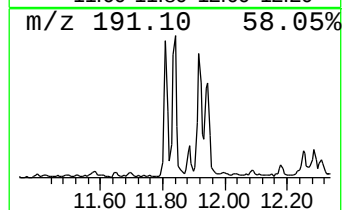
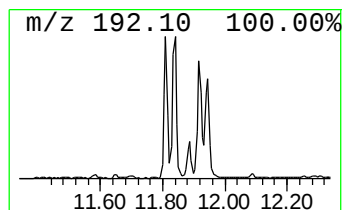
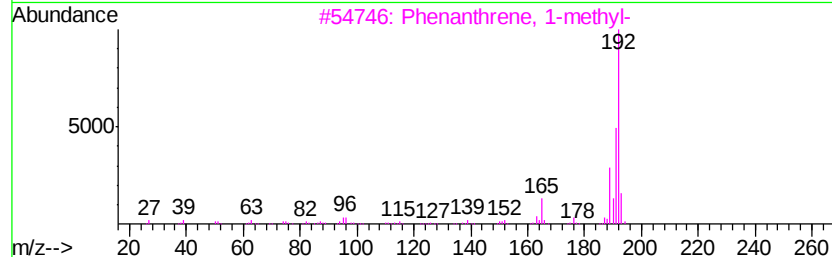
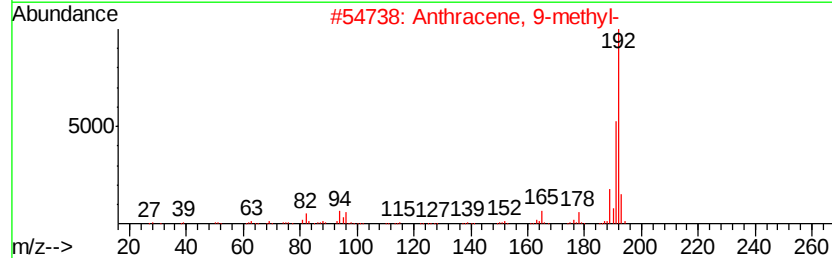
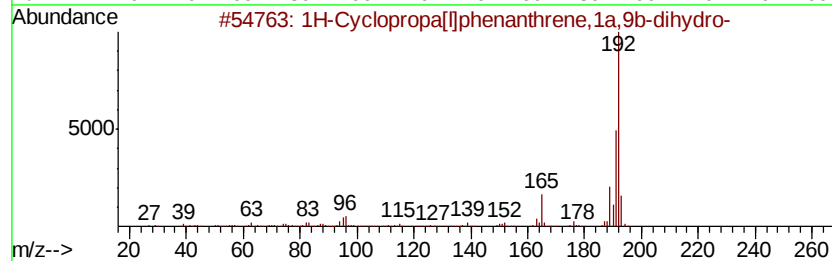
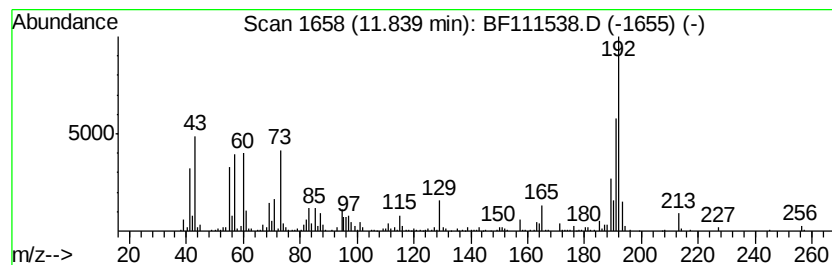
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	10.27 ng	582810	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
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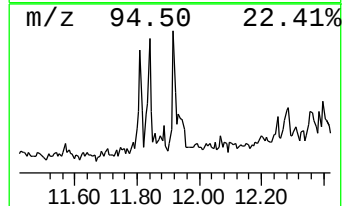
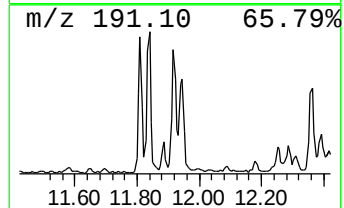
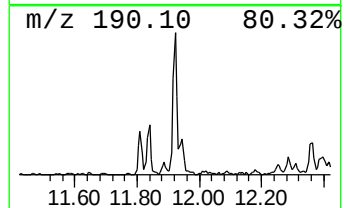
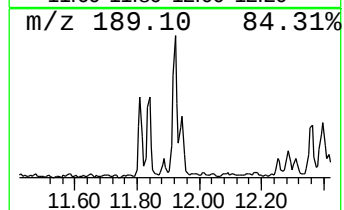
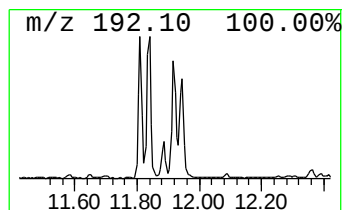
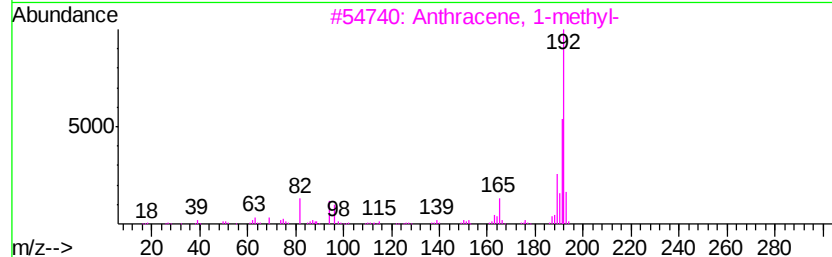
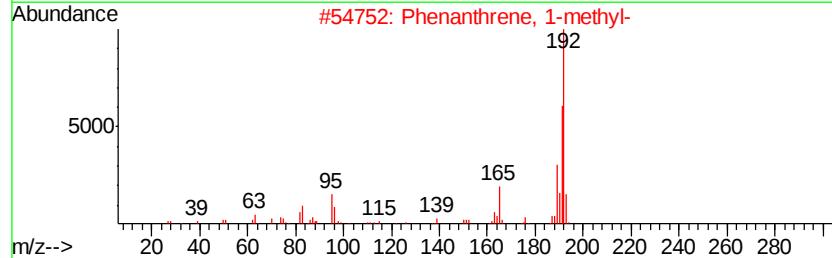
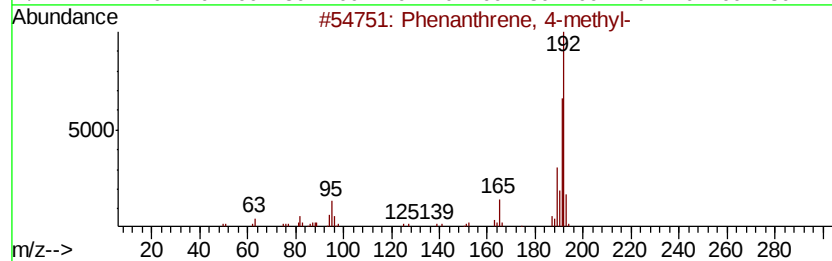
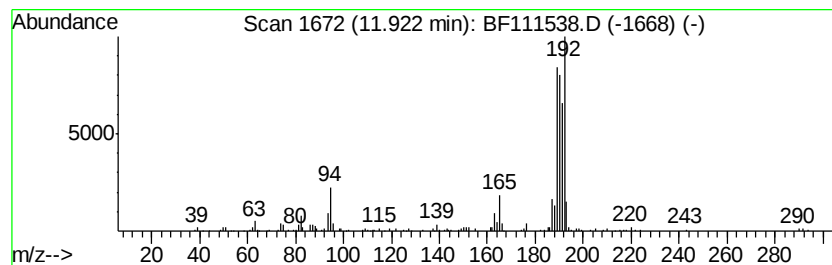
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.92	4.68 ng	265674	Phenanthrene-d10	11.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

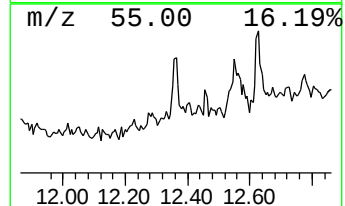
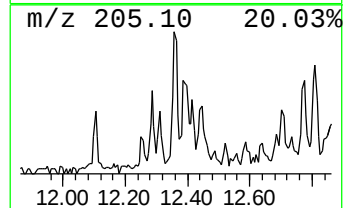
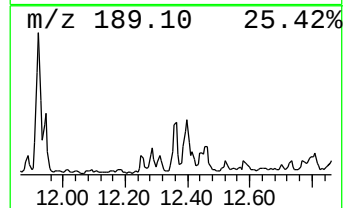
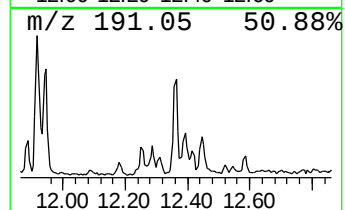
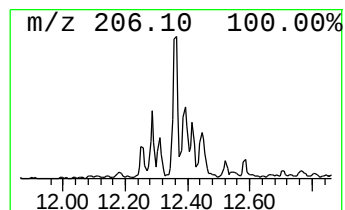
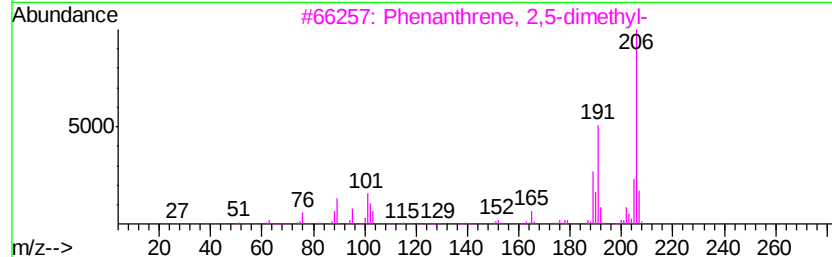
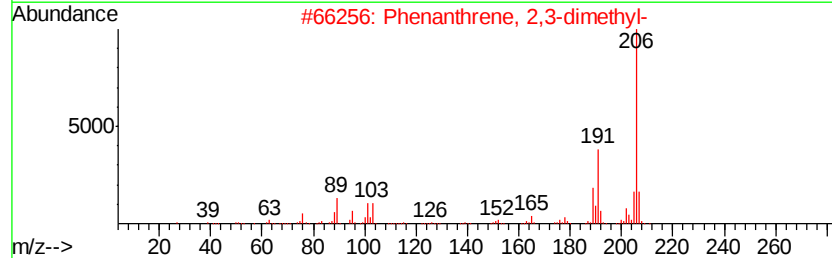
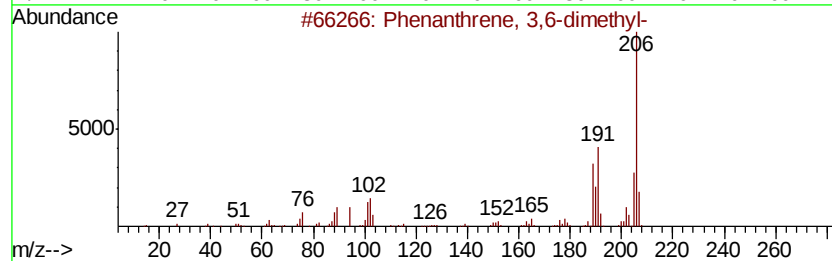
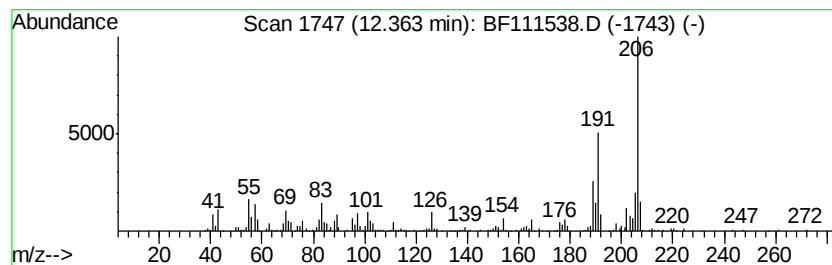
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.36	5.11 ng	289837	Phenanthrene-d10		11.31
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

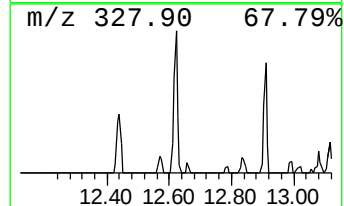
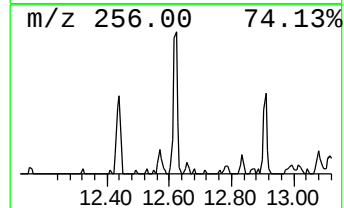
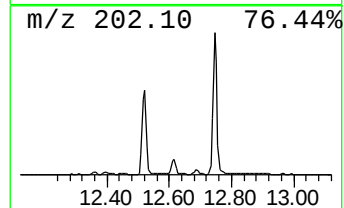
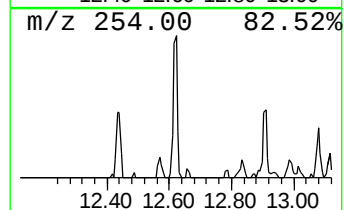
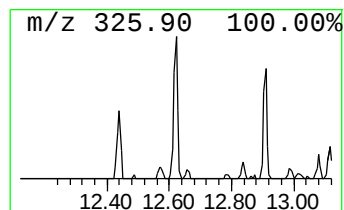
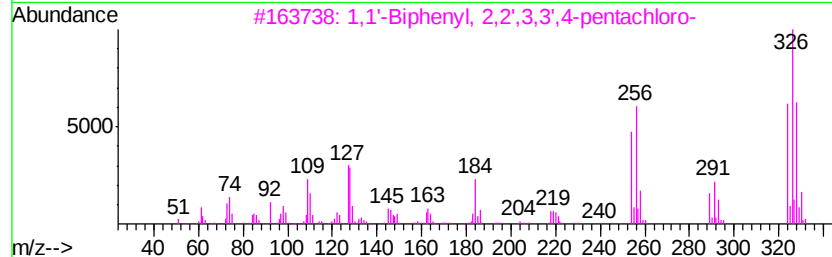
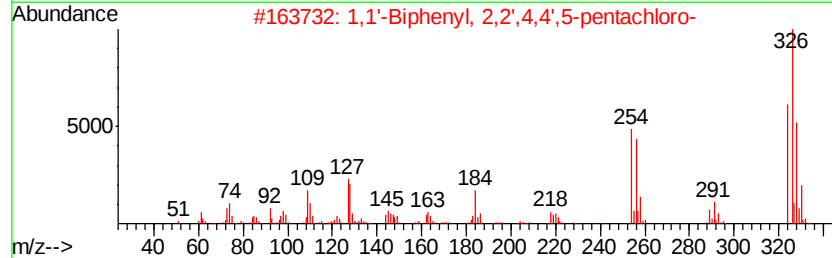
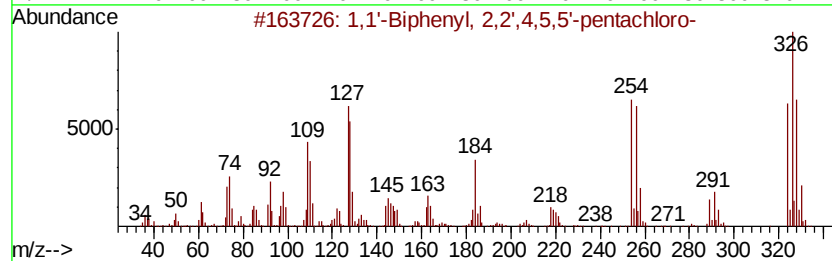
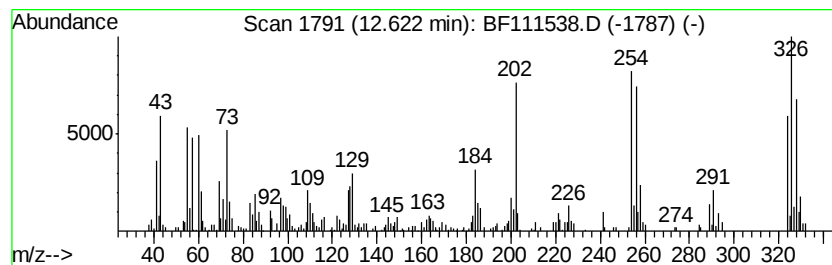
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.62	6.14 ng	348727	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
3	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	96
4	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	96
5	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

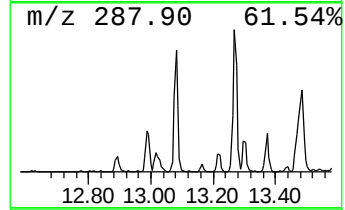
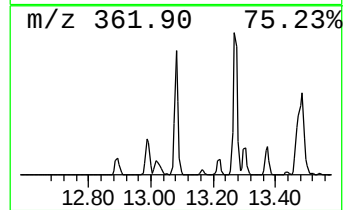
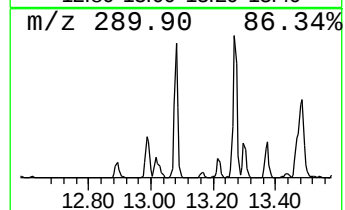
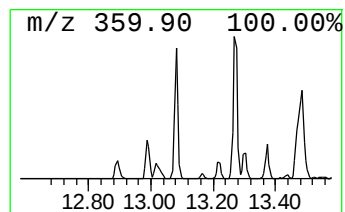
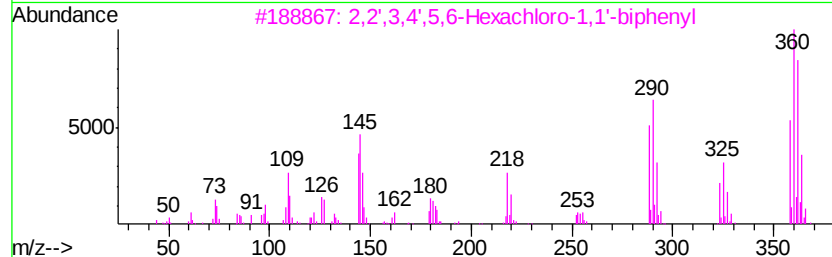
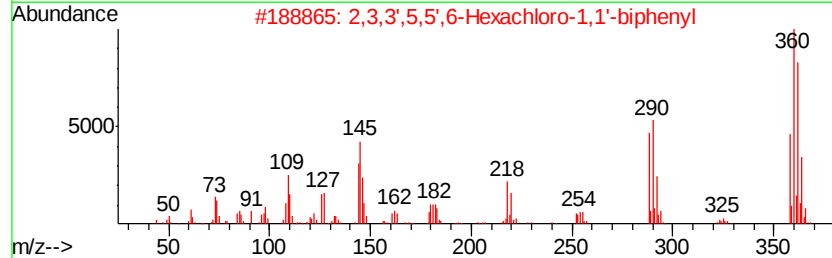
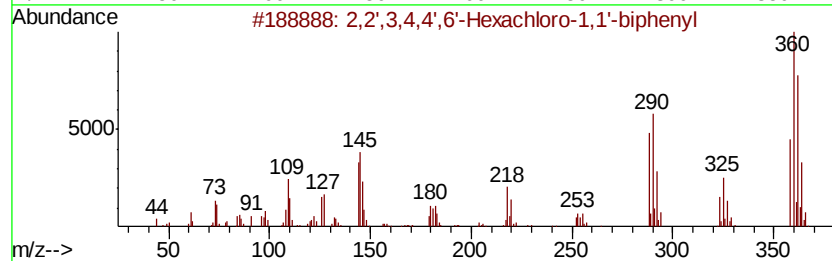
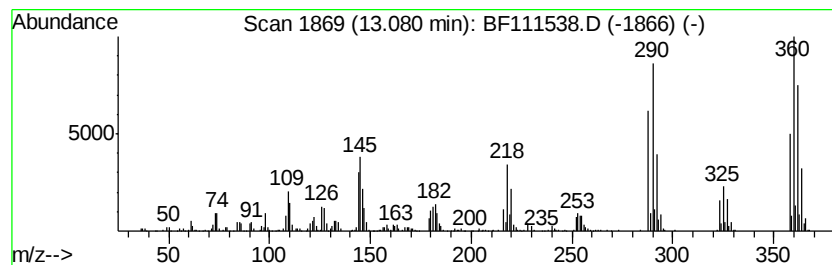
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.08	7.91 ng	639588	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	2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99	
3	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99	
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99	
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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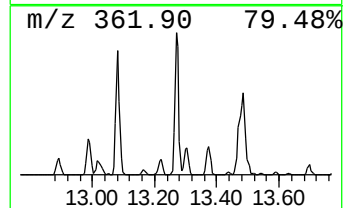
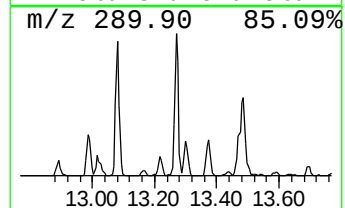
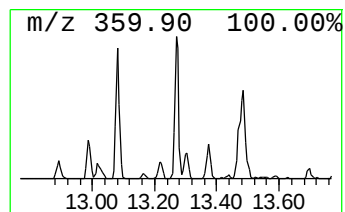
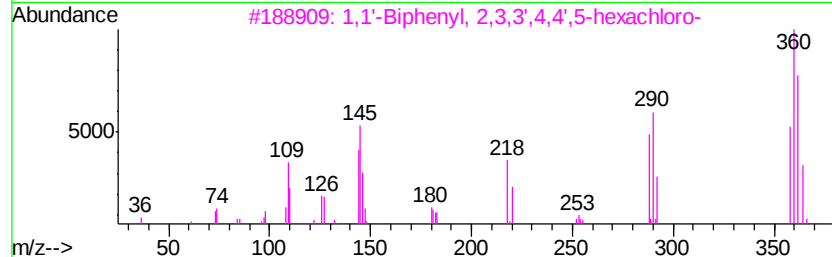
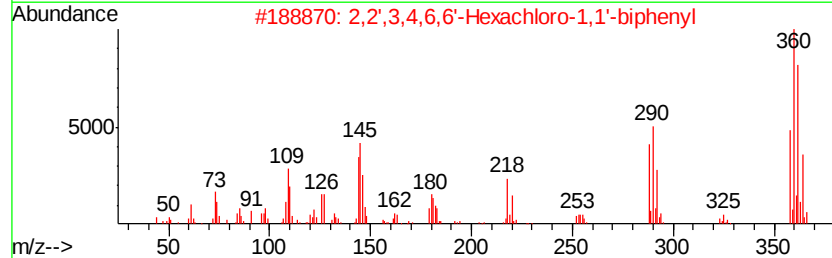
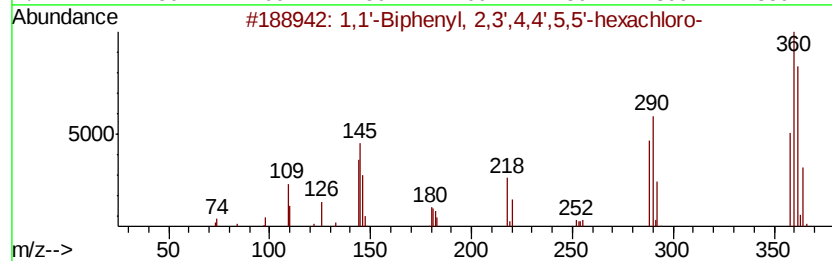
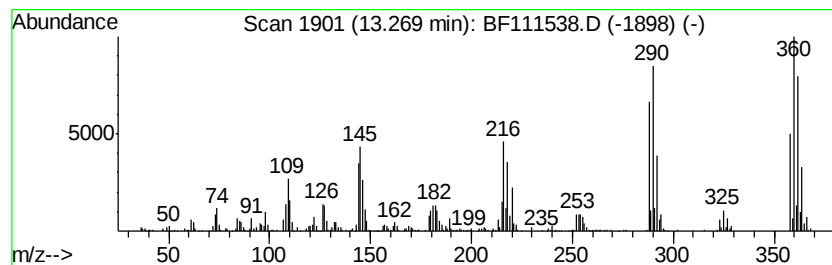
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.27	8.95 ng	724240	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2	2,2',3,4,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-40-5	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
5	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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ALS Vial : 12 Sample Multiplier: 1

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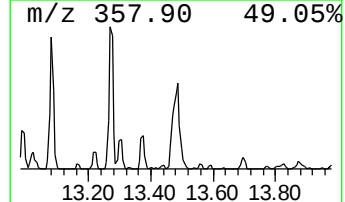
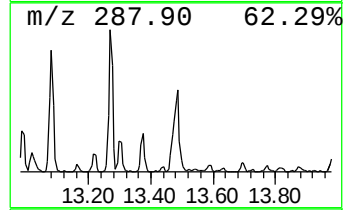
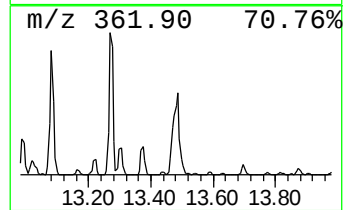
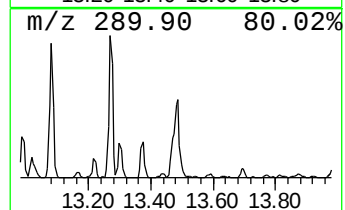
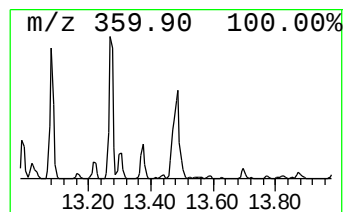
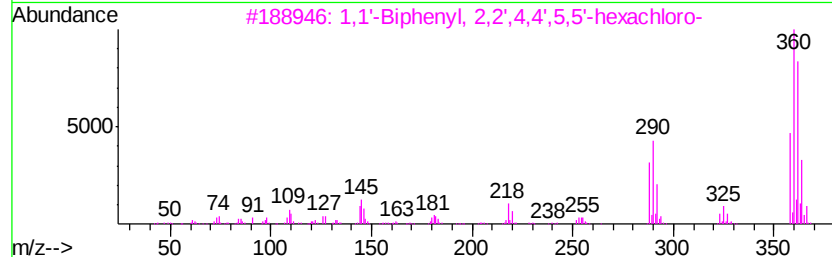
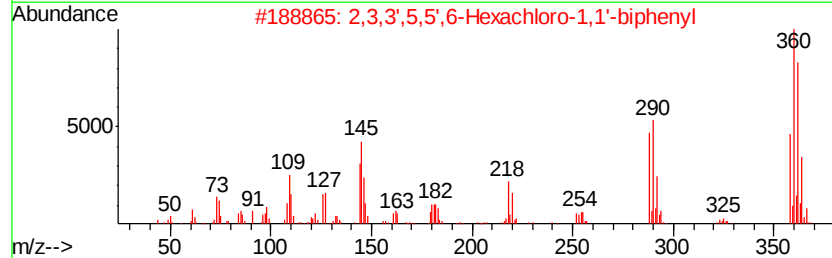
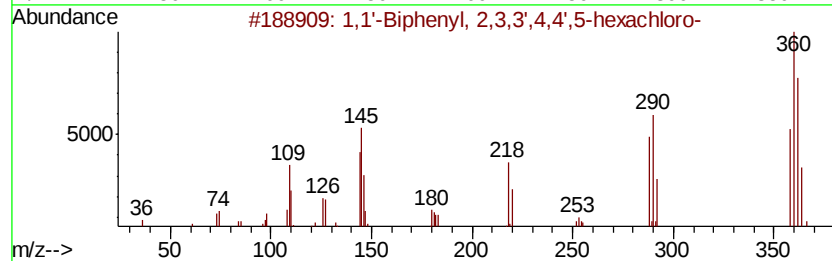
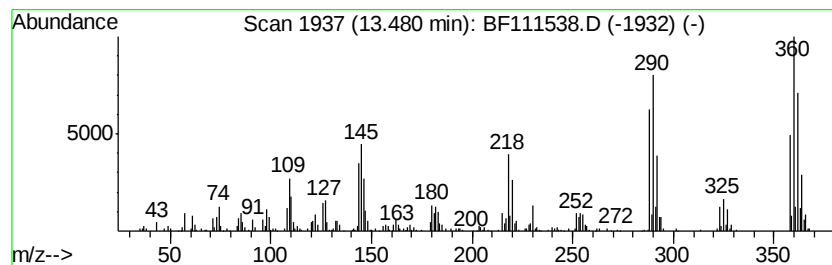
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	7.71 ng	624106	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2		2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99
3		1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
4		2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99
5		2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
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Sample : J6386-15
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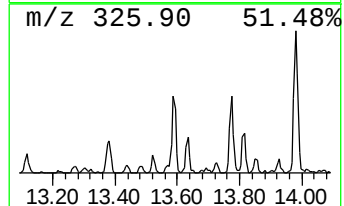
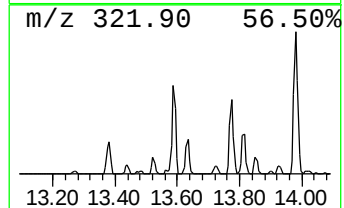
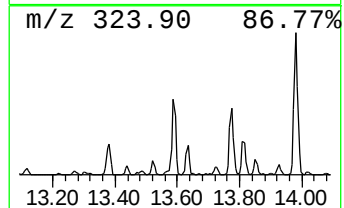
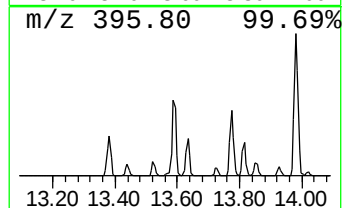
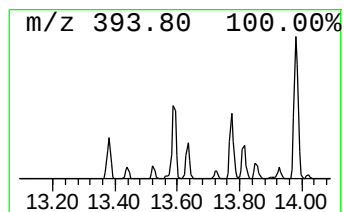
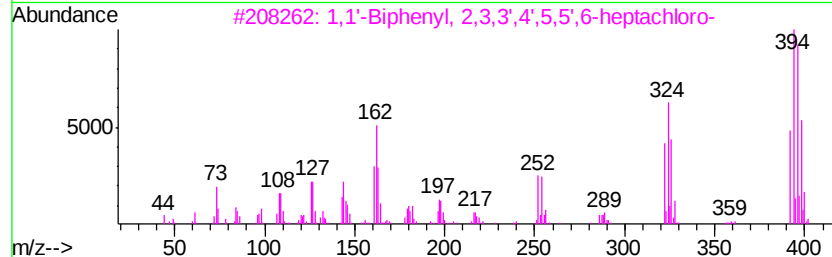
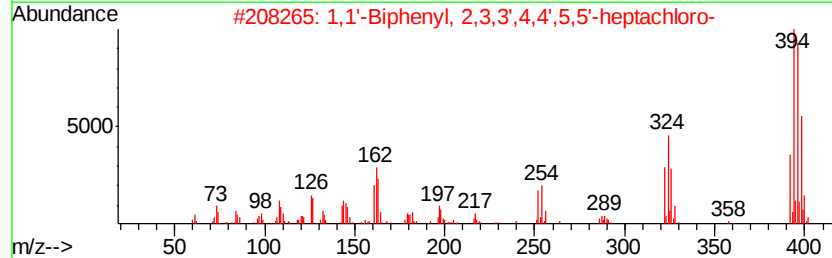
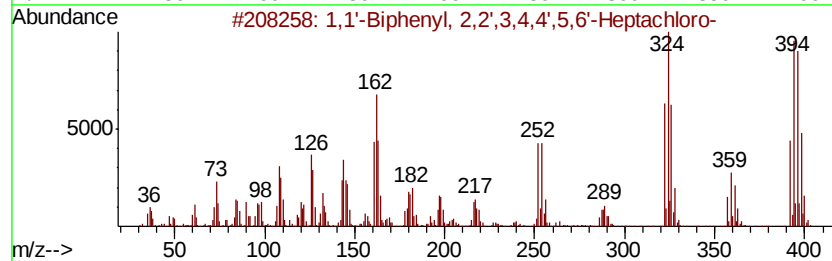
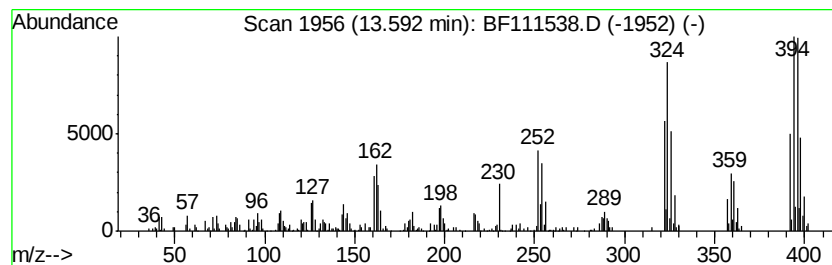
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.59	4.99 ng	403385	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
3	1,1'-Biphenyl, 2,3,3',4',5,5',6-...	392	C12H3Cl7	069782-91-8	99
4	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99
5	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

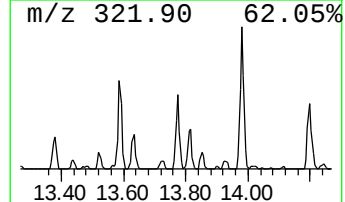
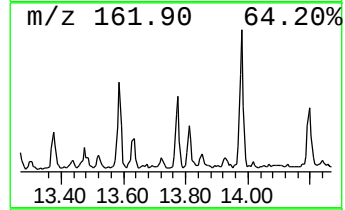
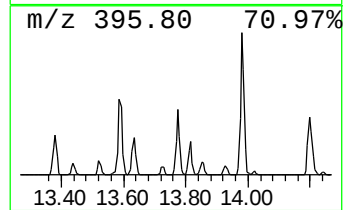
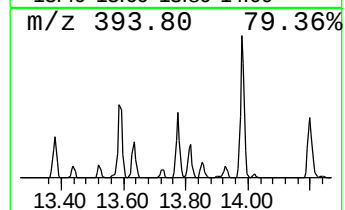
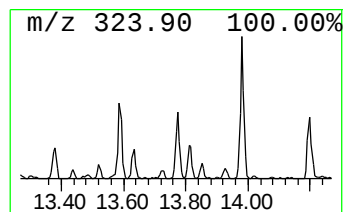
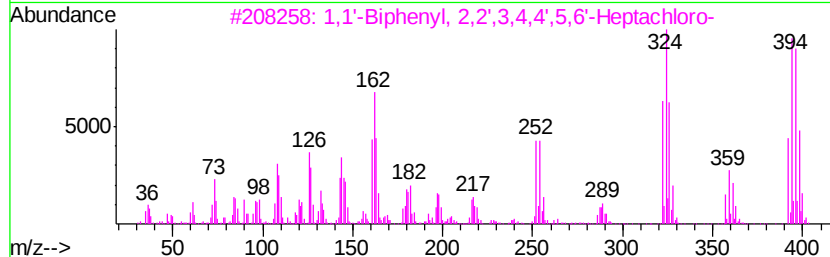
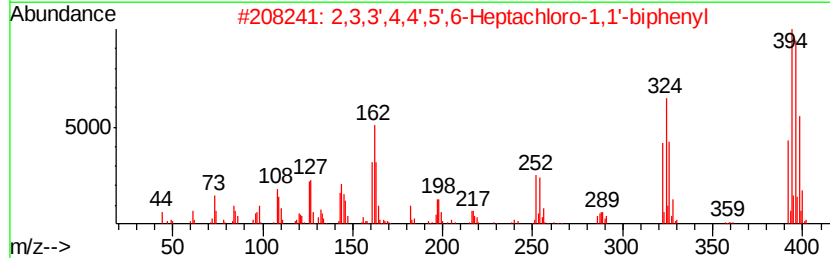
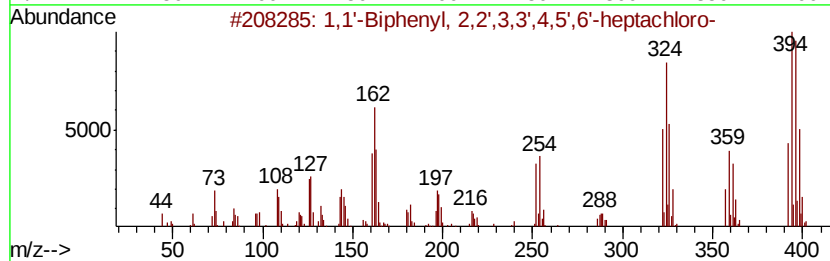
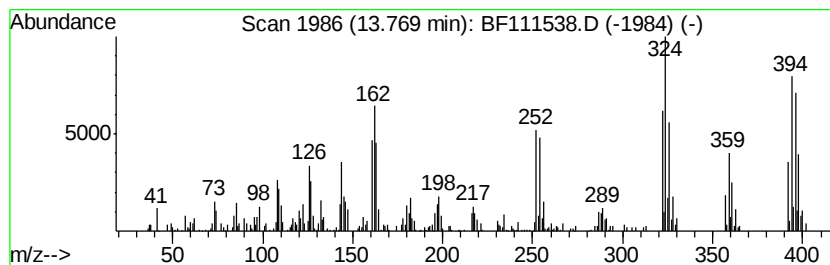
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.77	4.13 ng	334116	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99
2	2,3,3',4,4',5',6-Heptachloro-1,1'...	392	C12H3Cl7	074472-50-7	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
5	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
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Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

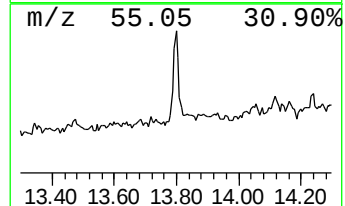
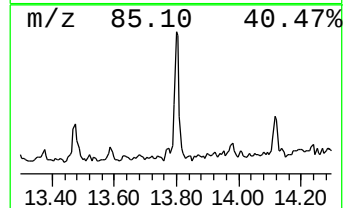
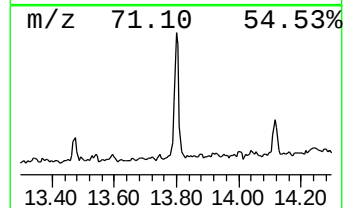
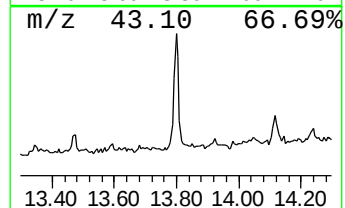
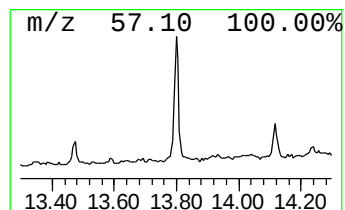
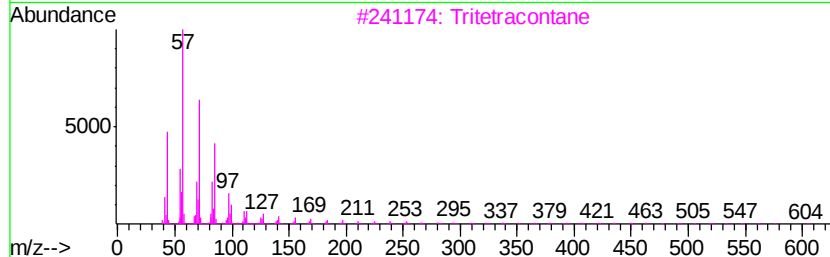
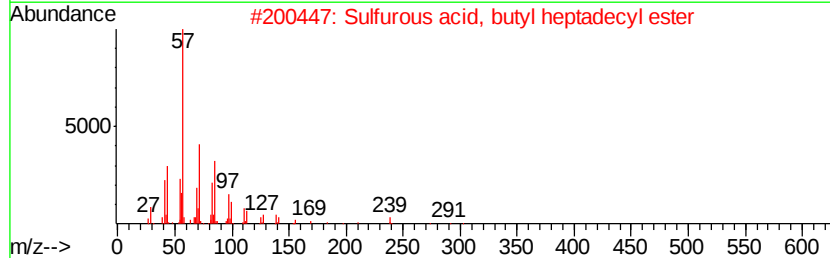
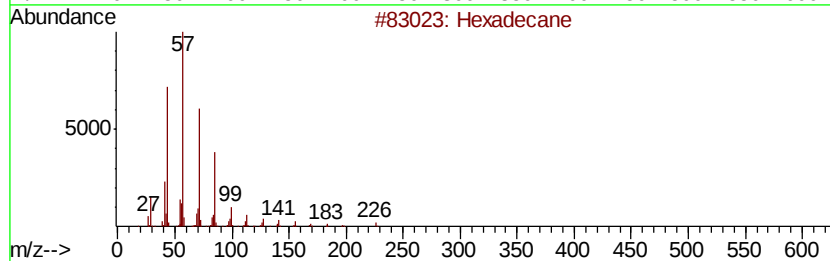
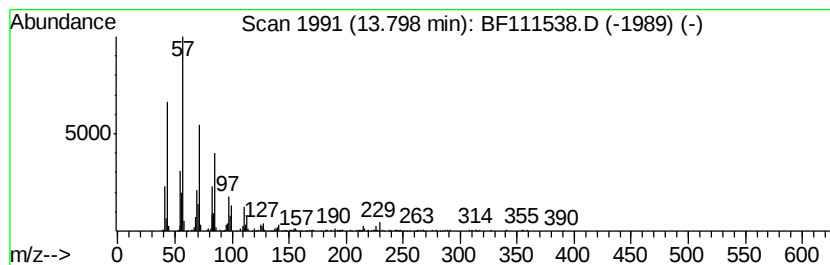
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	6.33 ng	511761	Chrysene-d12	13.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane		226 C16H34	000544-76-3 93
2	Sulfurous acid, butyl heptadecyl...		376 C21H44O3S	1000309-18-4 91
3	Tritetracontane		605 C43H88	007098-21-7 91
4	Octadecane, 1-chloro-		288 C18H37Cl	003386-33-2 90
5	Ethanol, 2-(dodecyloxy)-		230 C14H30O2	004536-30-5 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

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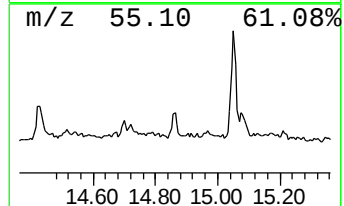
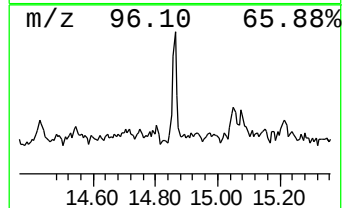
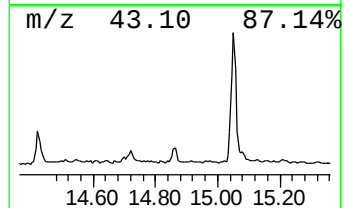
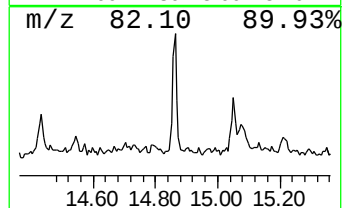
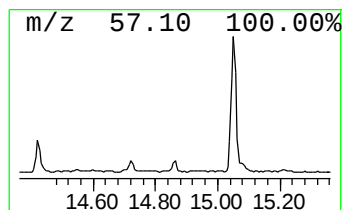
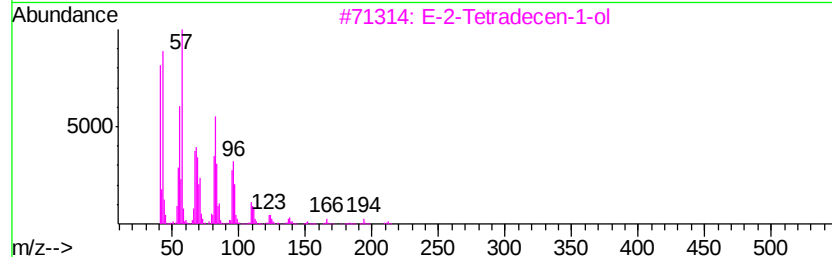
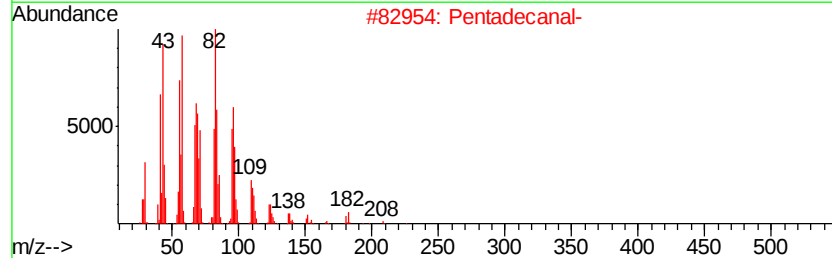
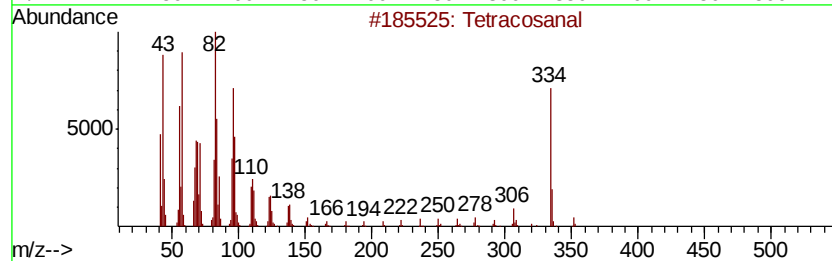
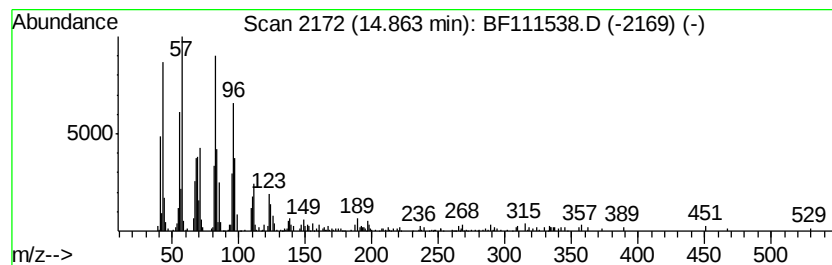
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosanal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	4.83 ng	228346	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosanal	352	C24H48O	057866-08-7	64
2		Pentadecanal-	226	C15H30O	002765-11-9	59
3		E-2-Tetradecen-1-ol	212	C14H28O	1000130-83-7	49
4		Octadecanal	268	C18H36O	000638-66-4	47
5		Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS007-0006-01

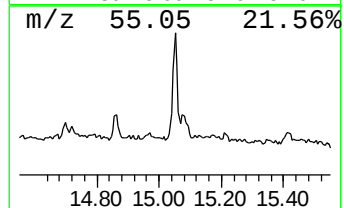
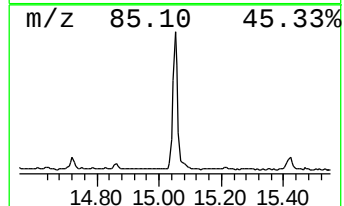
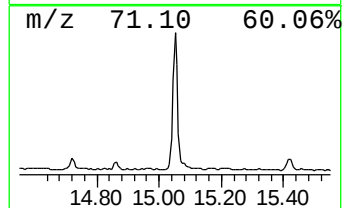
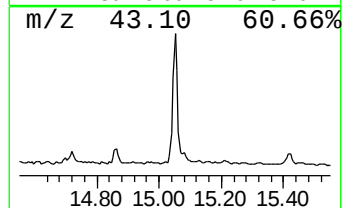
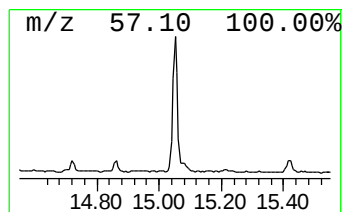
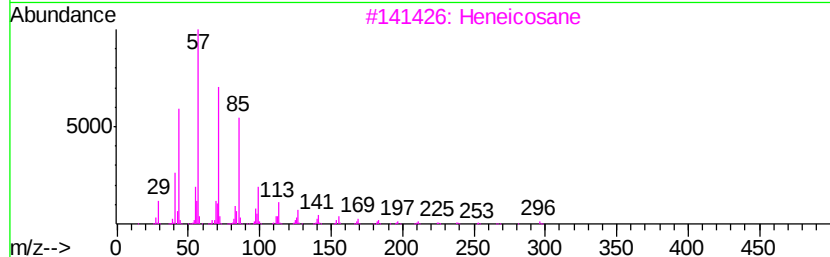
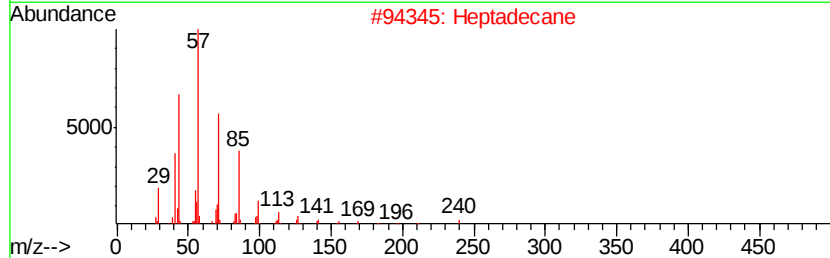
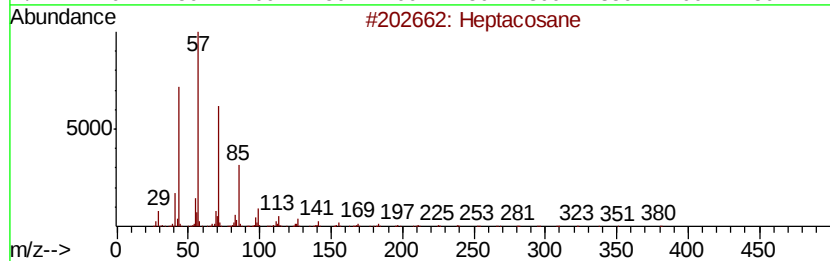
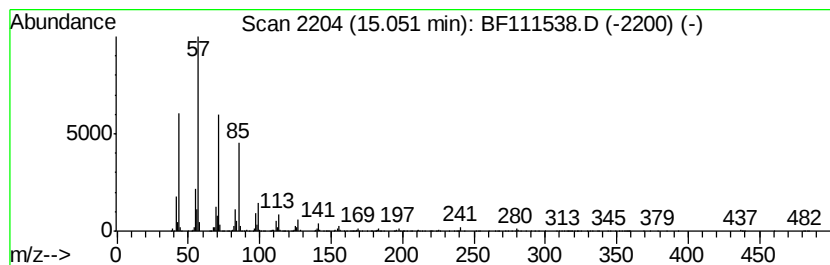
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	29.03 ng	1372180	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Heptadecane	240	C17H36	000629-78-7	91
3		Heneicosane	296	C21H44	000629-94-7	87
4		Nonadecane	268	C19H40	000629-92-5	86
5		Hexadecane	226	C16H34	000544-76-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

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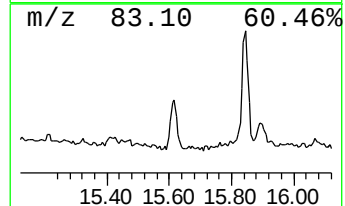
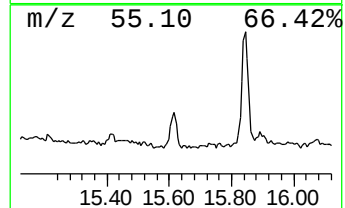
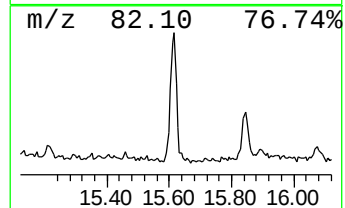
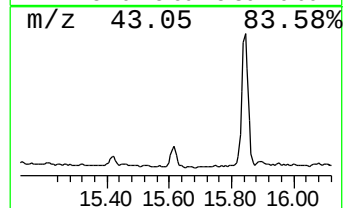
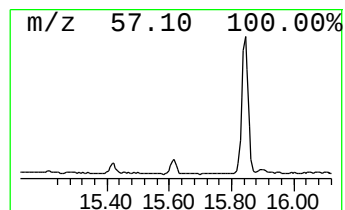
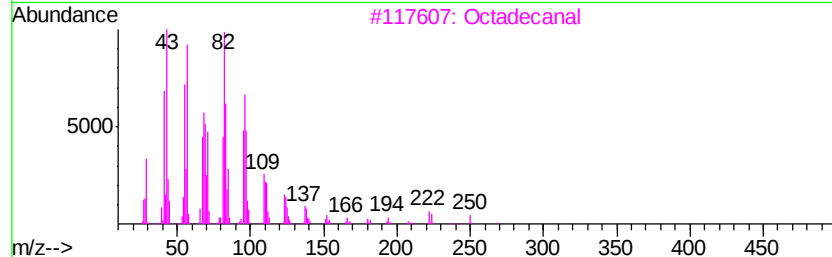
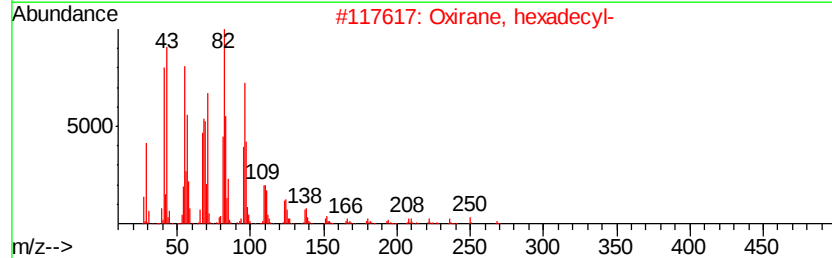
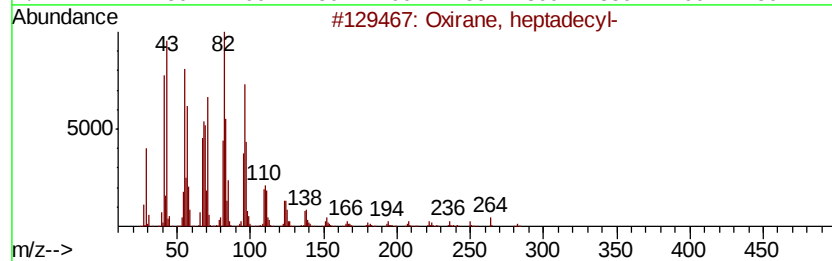
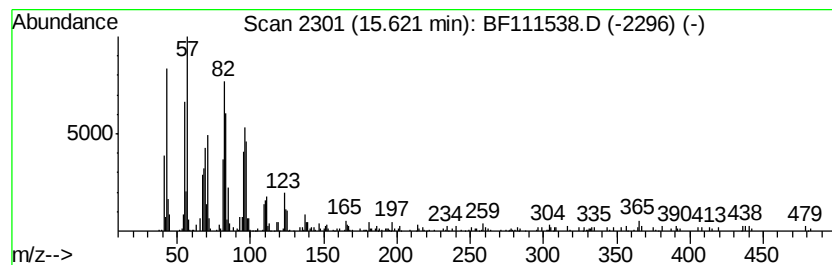
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Oxirane, heptadecyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	7.89 ng	372851	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
2		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	83
3		Octadecanal	268	C18H36O	000638-66-4	74
4		(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	72
5		1,16-Hexadecanediol	258	C16H34O2	007735-42-4	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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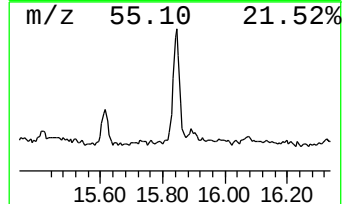
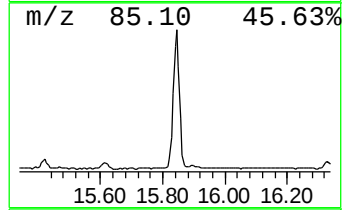
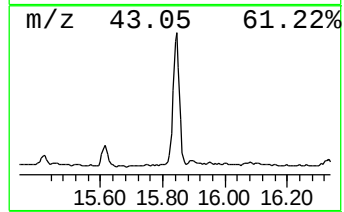
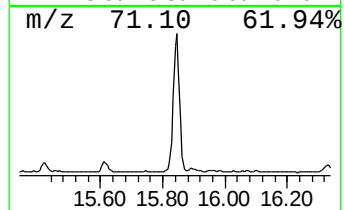
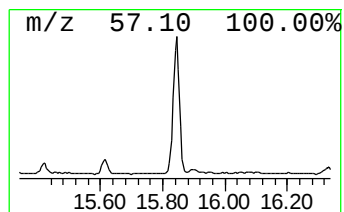
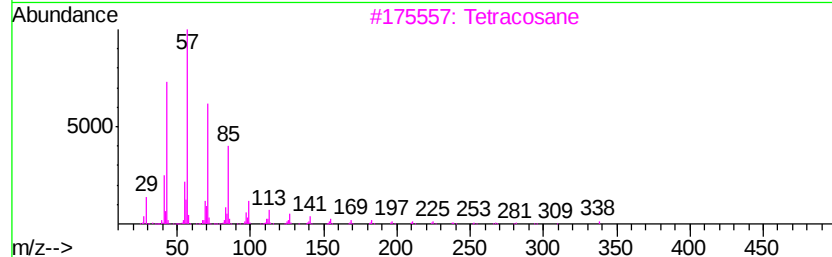
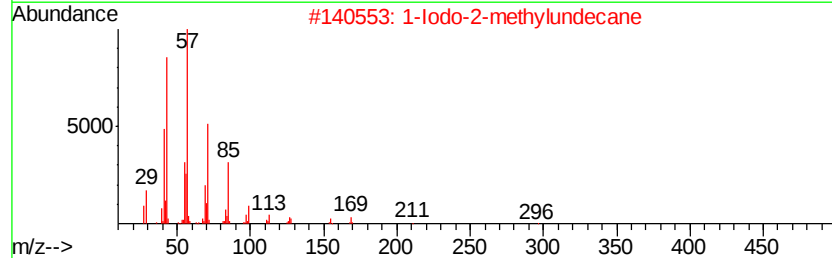
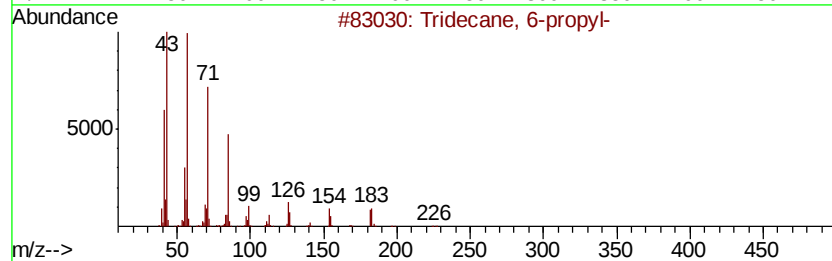
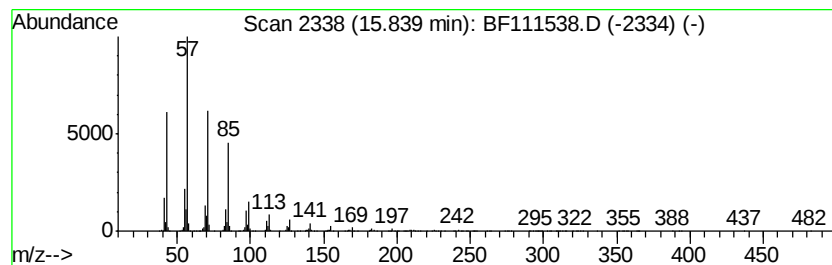
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tridecane, 6-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.84	44.33 ng	2095180	Perylene-d12	15.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
3		Tetracosane	338	C24H50	000646-31-1	91
4		Heneicosane	296	C21H44	000629-94-7	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

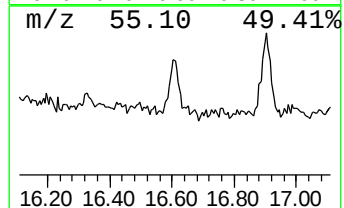
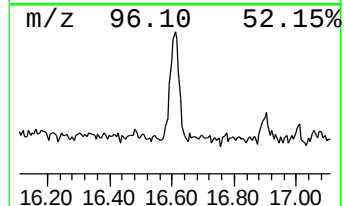
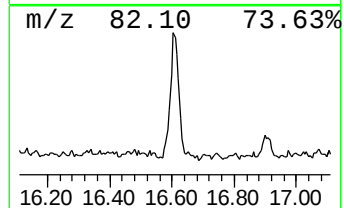
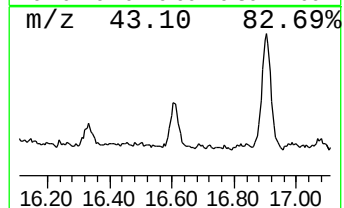
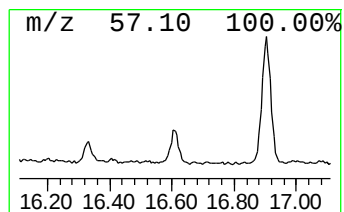
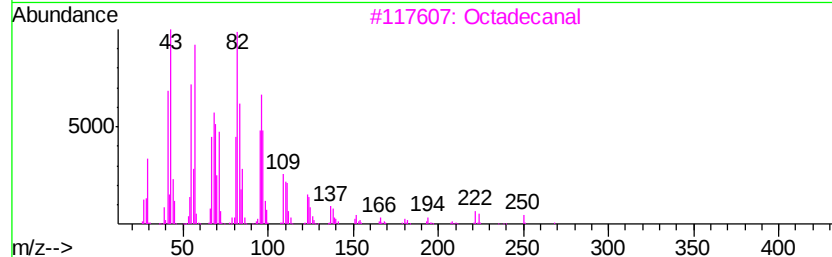
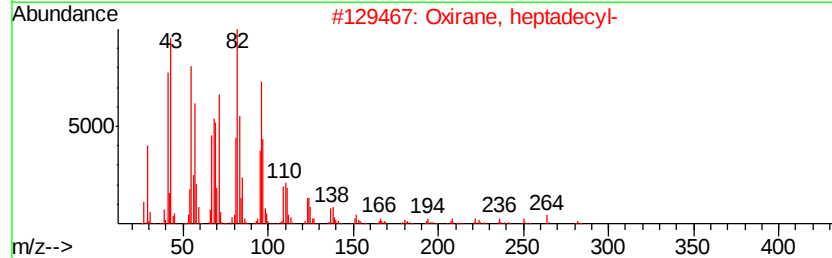
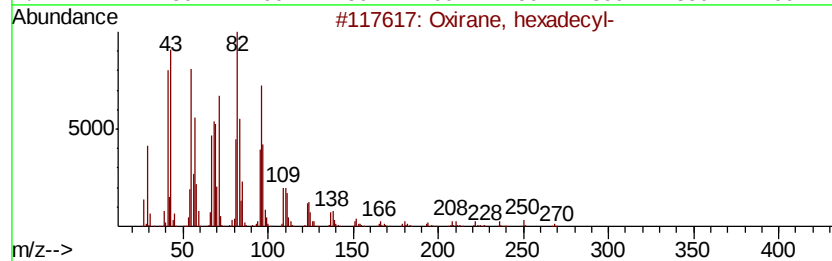
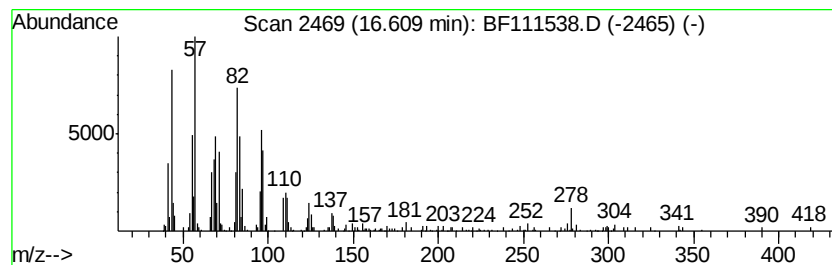
Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

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 19 Oxirane, hexadecyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.61	7.15 ng	337991	Perylene-d12		15.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	64
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	64
3		Octadecanal	268	C18H36O	000638-66-4	58
4		2-Octadecyl-propane-1,3-diol	328	C21H44O2	005337-61-1	53
5		2-Heptadecenal	252	C17H32O	1000143-48-6	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111538.D
Acq On : 17 Dec 2018 14:39
Operator : JU/SJ
Sample : J6386-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0006-01

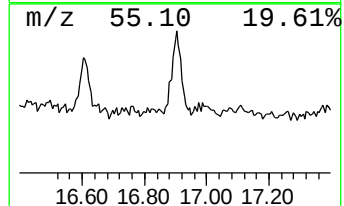
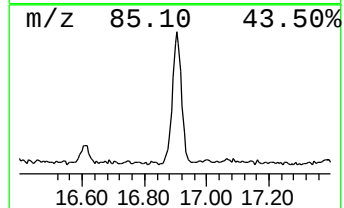
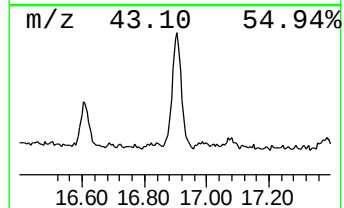
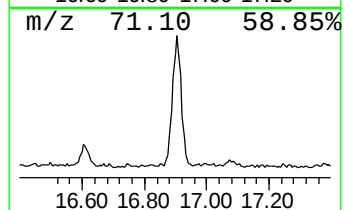
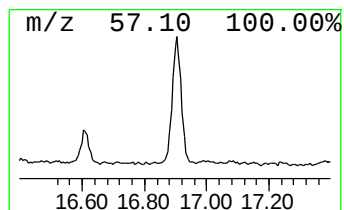
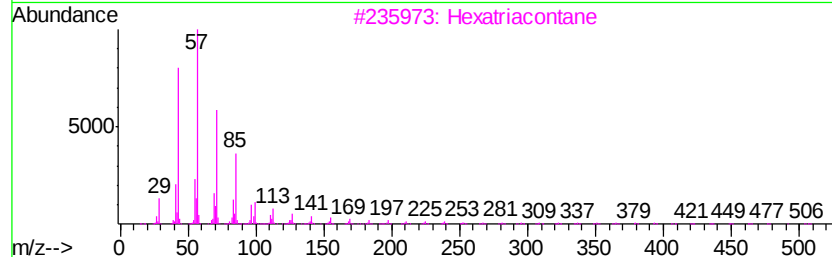
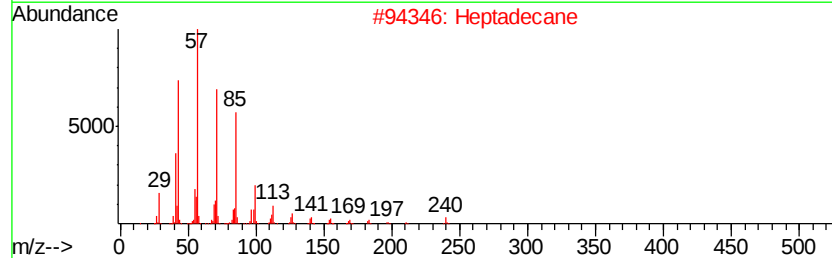
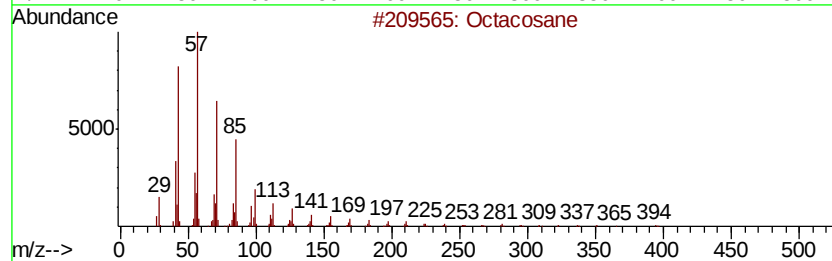
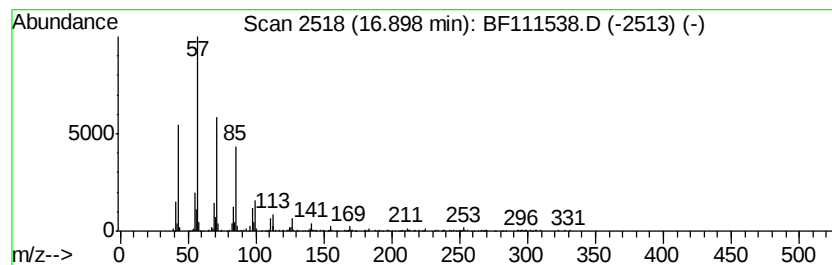
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	16.72 ng	790424	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Heptadecane	240	C17H36	000629-78-7	91
3		Hexatriacontane	507	C36H74	000630-06-8	91
4		Hexacosane	366	C26H54	000630-01-3	90
5		Eicosane	282	C20H42	000112-95-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111538.D
 Acq On : 17 Dec 2018 14:39
 Operator : JU/SJ
 Sample : J6386-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0006-01

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	68.0	ng	3510570	1	6.79	1032230	20.0
Phenanthrene, 2-m...	11.81	4.3	ng	244982	4	11.31	1135010	20.0
1H-Cyclopropa[l]p...	11.84	10.3	ng	582810	4	11.31	1135010	20.0
Phenanthrene, 4-m...	11.92	4.7	ng	265674	4	11.31	1135010	20.0
Phenanthrene, 3,6...	12.36	5.1	ng	289837	4	11.31	1135010	20.0
1,1'-Biphenyl, 2,...	12.62	6.1	ng	348727	4	11.31	1135010	20.0
2,2',3,4,4',6'-He...	13.08	7.9	ng	639588	5	13.95	1618160	20.0
1,1'-Biphenyl, 2,...	13.27	8.9	ng	724240	5	13.95	1618160	20.0
1,1'-Biphenyl, 2,...	13.48	7.7	ng	624106	5	13.95	1618160	20.0
1,1'-Biphenyl, 2,...	13.59	5.0	ng	403385	5	13.95	1618160	20.0
1,1'-Biphenyl, 2,...	13.77	4.1	ng	334116	5	13.95	1618160	20.0
Hexadecane	13.80	6.3	ng	511761	5	13.95	1618160	20.0
Tetracosanal	14.86	4.8	ng	228346	6	15.39	945281	20.0
Heptacosane	15.05	29.0	ng	1372180	6	15.39	945281	20.0
Oxirane, heptadecyl-	15.62	7.9	ng	372851	6	15.39	945281	20.0
Tridecane, 6-propyl-	15.84	44.3	ng	2095180	6	15.39	945281	20.0
Oxirane, hexadecyl-	16.61	7.2	ng	337991	6	15.39	945281	20.0
Octacosane	16.90	16.7	ng	790424	6	15.39	945281	20.0