

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112586.D
 Acq On : 15 Feb 2019 18:42
 Operator : JU/SJ
 Sample : K1490-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-214

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-BF012519.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	5.063	503	506	522	rVB	105491	204804	3.19%	0.220%
2	5.475	571	576	594	rBV	3402821	3801822	59.18%	4.090%
3	6.492	743	749	765	rBV	3583776	4220667	65.70%	4.541%
4	6.616	765	770	773	rBV	4190924	4314182	67.15%	4.641%
5	6.828	803	806	813	rVB	621766	602084	9.37%	0.648%
6	6.992	829	834	837	rBV	3238330	3262092	50.78%	3.510%
7	7.398	898	903	906	rBV	2377252	2648636	41.23%	2.850%
8	8.110	1021	1024	1027	rBV	697652	697787	10.86%	0.751%
9	8.134	1027	1028	1032	rVB	241976	159063	2.48%	0.171%
10	8.828	1143	1146	1149	rBV	197314	165753	2.58%	0.178%
11	8.928	1159	1163	1166	rBV	145487	142334	2.22%	0.153%
12	9.128	1194	1197	1202	rVB	157448	126807	1.97%	0.136%
13	9.192	1202	1208	1211	rBV	5368057	5292669	82.39%	5.694%
14	9.263	1216	1220	1223	rBV	132447	148304	2.31%	0.160%
15	9.298	1223	1226	1231	rVB2	157574	174320	2.71%	0.188%
16	9.457	1249	1253	1257	rBV2	101044	140090	2.18%	0.151%
17	9.528	1262	1265	1268	rBV	191010	228983	3.56%	0.246%
18	9.581	1271	1274	1277	rVB2	501894	488815	7.61%	0.526%
19	9.733	1297	1300	1303	rBV	138697	144680	2.25%	0.156%
20	9.869	1320	1323	1326	rVV	1083358	942467	14.67%	1.014%
21	9.904	1326	1329	1332	rVB	240945	236288	3.68%	0.254%
22	10.075	1355	1358	1362	rVV2	272116	273273	4.25%	0.294%
23	10.116	1362	1365	1369	rVB2	148467	163208	2.54%	0.176%
24	10.186	1374	1377	1380	rBV	136048	153028	2.38%	0.165%
25	10.216	1380	1382	1388	rVB3	112203	135167	2.10%	0.145%
26	10.275	1388	1392	1393	rBV2	143714	151618	2.36%	0.163%
27	10.292	1393	1395	1398	rVB	156870	126757	1.97%	0.136%
28	10.416	1410	1416	1422	rBV2	274355	434721	6.77%	0.468%
29	10.510	1429	1432	1437	rVV3	224263	266723	4.15%	0.287%
30	10.575	1440	1443	1447	rVB2	133164	157699	2.45%	0.170%
31	10.675	1454	1460	1463	rBV	4083970	4261303	66.33%	4.585%
32	10.780	1473	1478	1485	rBV2	569063	703740	10.95%	0.757%
33	11.098	1529	1532	1534	rBV2	125667	143728	2.24%	0.155%
34	11.175	1541	1545	1548	rBV2	139052	168006	2.62%	0.181%

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35	11.210	1548	1551	1554	rVV2	230938	259064	4.03%	0.279%
36	11.245	1554	1557	1563	rVB2	276631	451611	7.03%	0.486%
37	11.363	1573	1577	1579	rBV	1228803	1166853	18.16%	1.255%
38	11.392	1579	1582	1585	rVV	2443640	2256767	35.13%	2.428%
39	11.439	1587	1590	1593	rBV	872875	701960	10.93%	0.755%
40	11.598	1613	1617	1621	rBV2	229017	301433	4.69%	0.324%
41	11.639	1622	1624	1628	rVB2	143513	147885	2.30%	0.159%
42	11.692	1631	1633	1638	rVB3	110023	165458	2.58%	0.178%
43	11.863	1659	1662	1664	rBV	567935	547790	8.53%	0.589%
44	11.892	1664	1667	1672	rVV	1812274	1799732	28.01%	1.936%
45	11.945	1672	1676	1678	rVV	358574	424521	6.61%	0.457%
46	11.980	1678	1682	1684	rVV2	843730	1047923	16.31%	1.127%
47	11.998	1684	1685	1690	rVV	445534	371424	5.78%	0.400%
48	12.045	1691	1693	1696	rVV3	178980	184981	2.88%	0.199%
49	12.098	1700	1702	1706	rVV4	107291	139876	2.18%	0.150%
50	12.157	1709	1712	1715	rVV	536912	470264	7.32%	0.506%
51	12.198	1717	1719	1723	rVB2	213976	201896	3.14%	0.217%
52	12.345	1741	1744	1746	rVB	200768	155025	2.41%	0.167%
53	12.369	1746	1748	1750	rVB	187806	139757	2.18%	0.150%
54	12.416	1754	1756	1759	rBV	409119	424057	6.60%	0.456%
55	12.516	1769	1773	1776	rVB2	251319	329737	5.13%	0.355%
56	12.592	1781	1786	1789	rBV	4457878	5563306	86.60%	5.985%
57	12.616	1789	1790	1793	rVV	162337	130780	2.04%	0.141%
58	12.645	1793	1795	1797	rVV2	152309	161051	2.51%	0.173%
59	12.674	1797	1800	1807	rVV3	729421	829829	12.92%	0.893%
60	12.733	1807	1810	1813	rVV2	311068	296971	4.62%	0.319%
61	12.821	1818	1825	1829	rBV2	4080165	5724925	89.11%	6.159%
62	12.863	1829	1832	1836	rVB2	411836	447080	6.96%	0.481%
63	12.957	1840	1848	1850	rBV	5530861	6424231	100.00%	6.911%
64	12.980	1850	1852	1856	rVB	201559	239167	3.72%	0.257%
65	13.039	1856	1862	1865	rBV3	511794	829563	12.91%	0.892%
66	13.145	1877	1880	1885	rVB	837864	878574	13.68%	0.945%
67	13.210	1888	1891	1893	rVV	449715	406876	6.33%	0.438%
68	13.245	1893	1897	1901	rVV2	599819	802786	12.50%	0.864%
69	13.298	1904	1906	1909	rVB3	163448	153766	2.39%	0.165%
70	13.339	1910	1913	1916	rBV2	379826	335564	5.22%	0.361%
71	13.368	1916	1918	1921	rVV2	345998	314381	4.89%	0.338%

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72	13.657	1964	1967	1970	rVV	493153	434135	6.76%	0.467%
73	13.763	1982	1985	1987	rBV2	459076	457052	7.11%	0.492%
74	13.786	1987	1989	1991	rVV	532475	409737	6.38%	0.441%
75	13.833	1991	1997	2001	rVV3	590345	933860	14.54%	1.005%
76	13.868	2001	2003	2009	rVB	357713	338805	5.27%	0.365%
77	14.010	2021	2027	2031	rBV2	2478009	3891483	60.58%	4.187%
78	14.045	2031	2033	2036	rVB	2101730	1740967	27.10%	1.873%
79	14.121	2044	2046	2048	rBV	344131	254641	3.96%	0.274%
80	14.151	2048	2051	2053	rBV	372718	337253	5.25%	0.363%
81	14.245	2063	2067	2070	rVB2	237327	292642	4.56%	0.315%
82	14.404	2089	2094	2097	rVV	503720	550684	8.57%	0.592%
83	14.451	2097	2102	2105	rBV2	605636	746966	11.63%	0.804%
84	14.527	2113	2115	2117	rBV	222457	224771	3.50%	0.242%
85	14.727	2147	2149	2151	rBV2	119197	135231	2.11%	0.145%
86	14.757	2151	2154	2158	rVB	745238	717205	11.16%	0.772%
87	14.904	2176	2179	2182	rBV	177980	181741	2.83%	0.196%
88	15.074	2202	2208	2209	rBV	1441372	2003318	31.18%	2.155%
89	15.092	2209	2211	2215	rVB	1477904	1405121	21.87%	1.512%
90	15.174	2222	2225	2229	rVB	329235	330797	5.15%	0.356%
91	15.374	2255	2259	2263	rVV	775373	896846	13.96%	0.965%
92	15.439	2265	2270	2273	rBV	1116449	1573805	24.50%	1.693%
93	15.498	2277	2280	2283	rVV	552334	668420	10.40%	0.719%
94	15.533	2283	2286	2292	rVB2	326649	459558	7.15%	0.494%
95	15.898	2343	2348	2352	rVB	323946	467115	7.27%	0.503%
96	16.392	2428	2432	2438	rVB3	199872	349287	5.44%	0.376%
97	16.509	2447	2452	2457	rVB	442540	687316	10.70%	0.739%
98	16.998	2528	2535	2542	rVB2	489170	1082054	16.84%	1.164%
99	17.162	2559	2563	2568	rVB	128647	228413	3.56%	0.246%
100	17.456	2607	2613	2620	rBV2	295578	642498	10.00%	0.691%

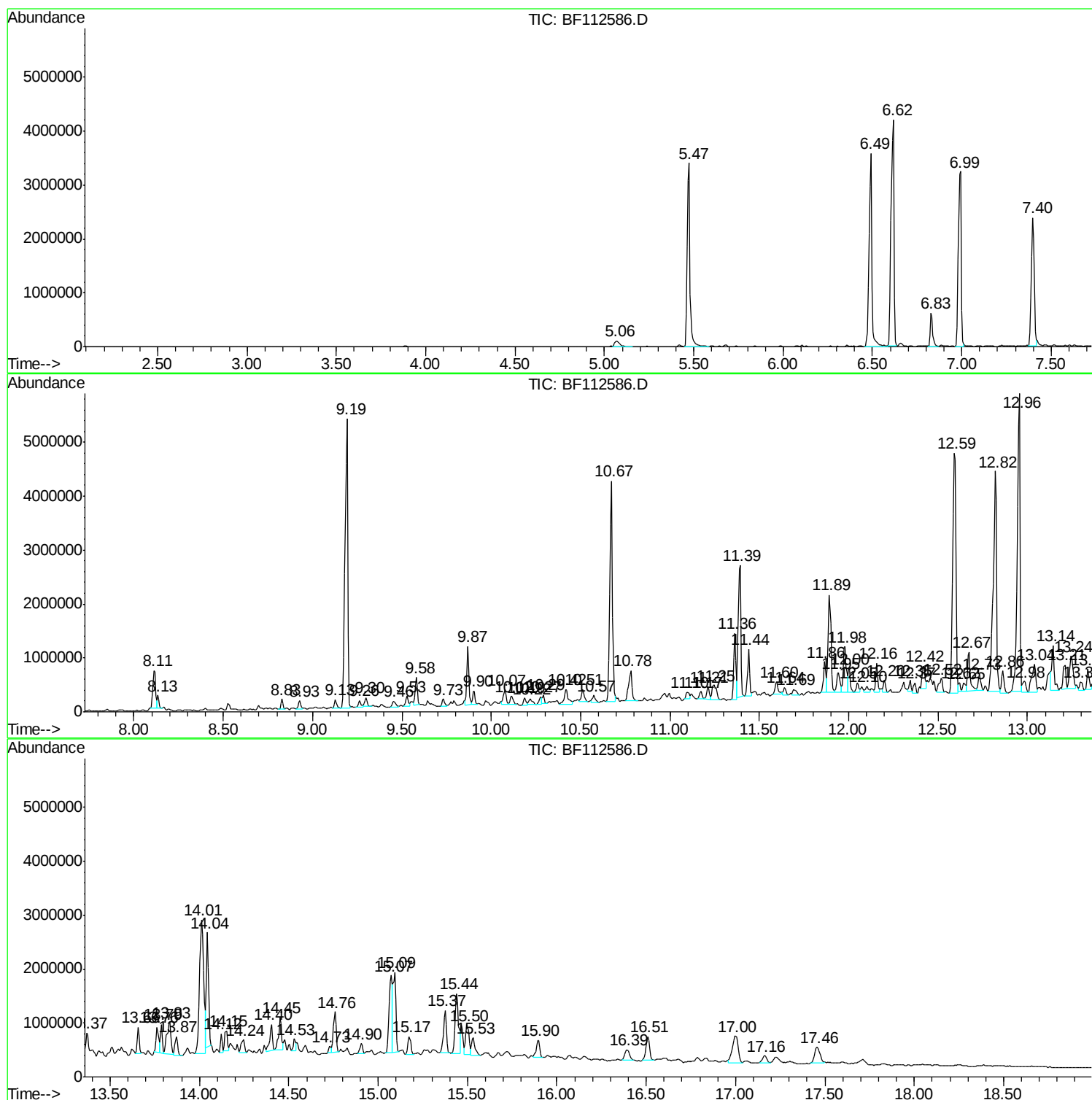
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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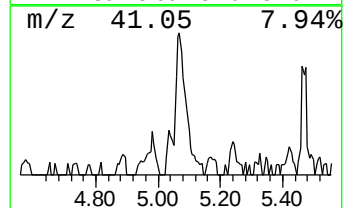
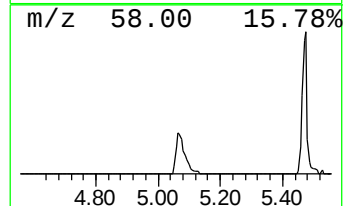
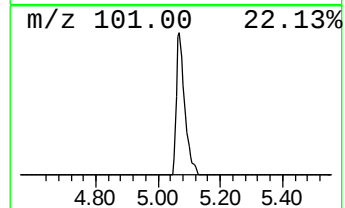
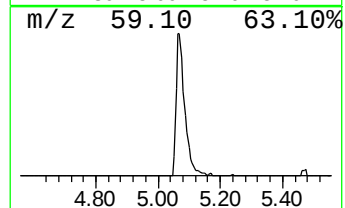
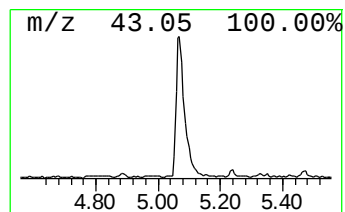
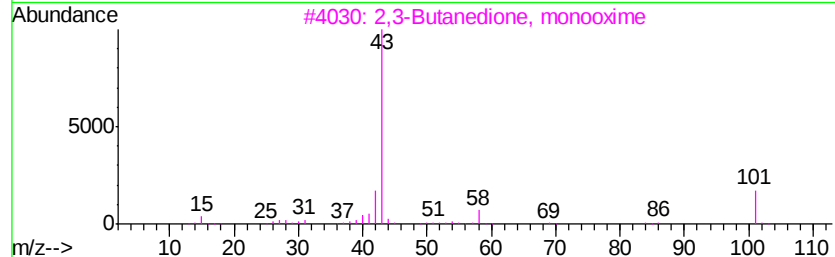
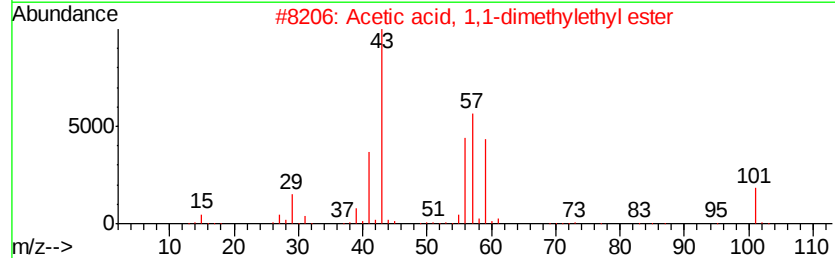
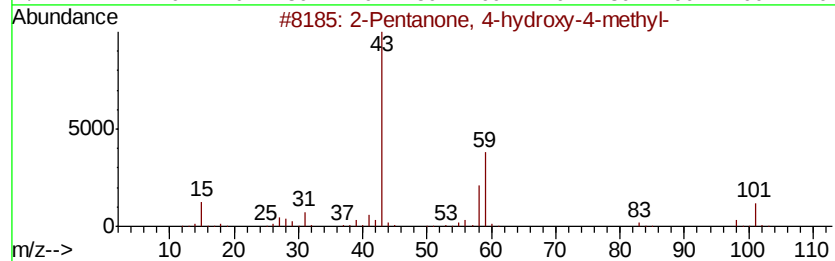
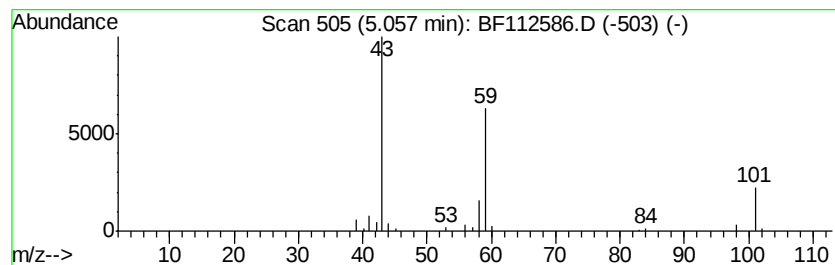
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	6.80 ng	204804	1,4-Dichlorobenzene-d4	6.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4			5-Hexen-2-one	98	C6H10O	000109-49-9	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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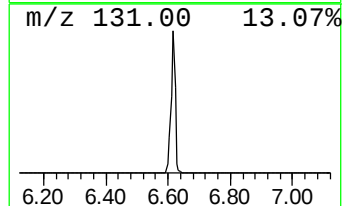
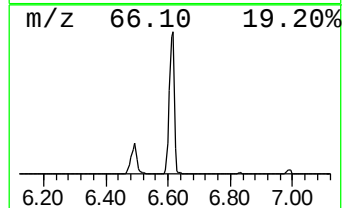
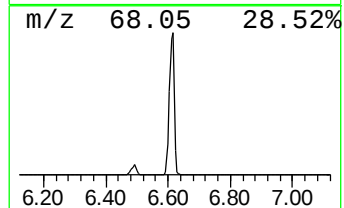
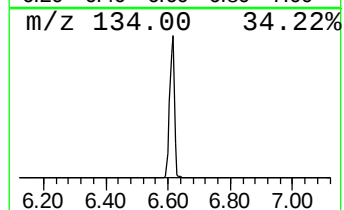
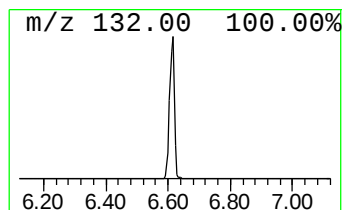
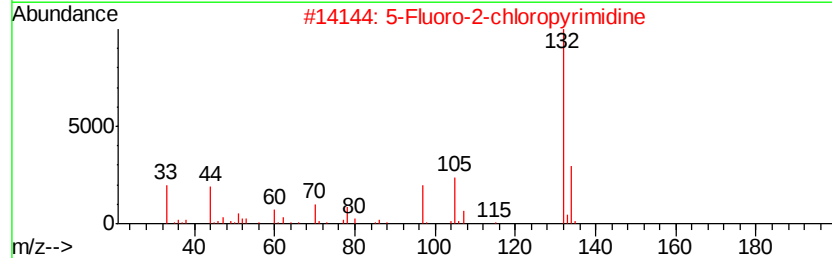
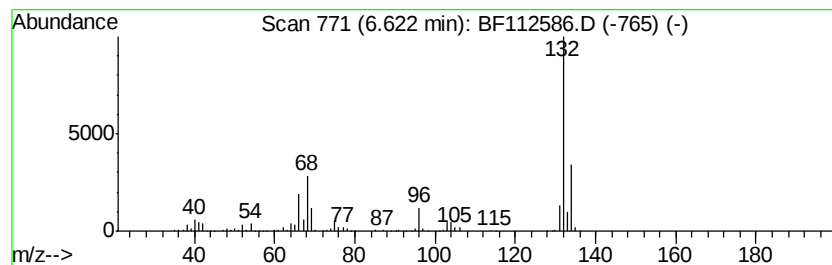
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	143.31 ng	4314180	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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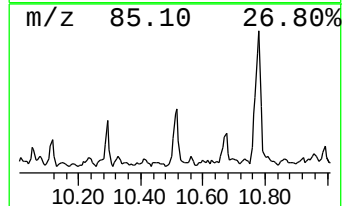
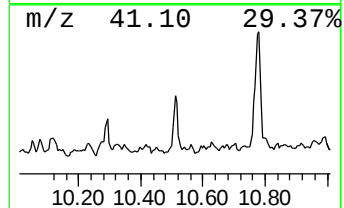
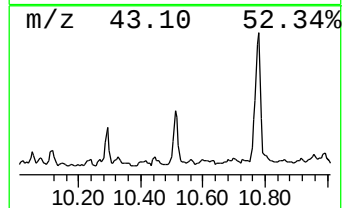
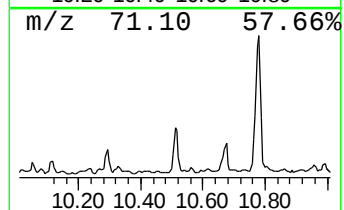
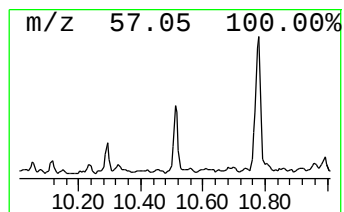
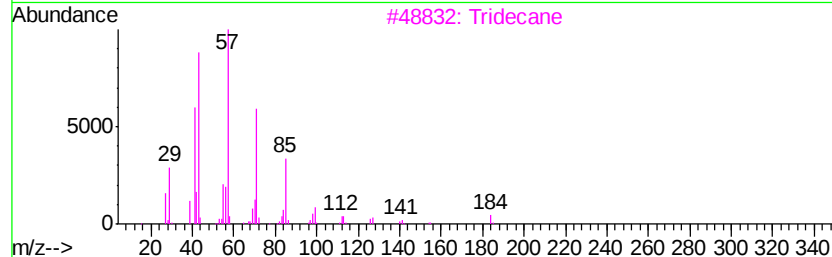
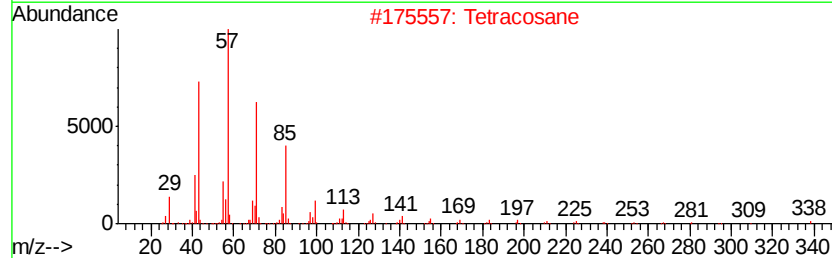
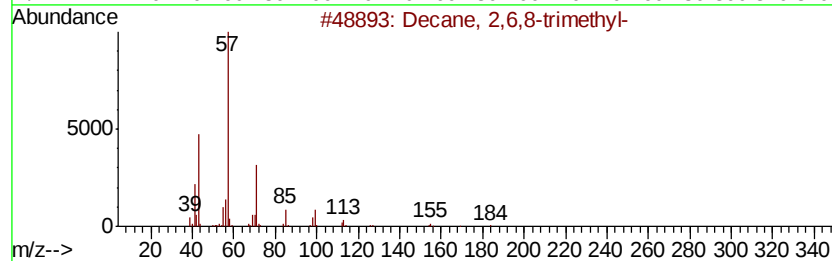
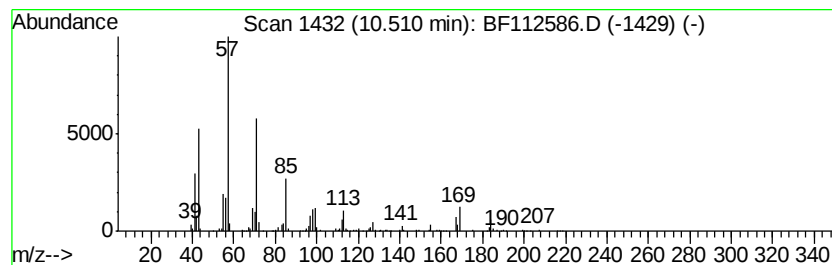
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Decane, 2,6,8-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.51	5.66 ng	266723	Acenaphthene-d10		9.87
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	70
2	Tetracosane	338	C24H50	000646-31-1	68
3	Tridecane	184	C13H28	000629-50-5	68
4	Octacosane	394	C28H58	000630-02-4	64
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
Operator : JU/SJ
Sample : K1490-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-214

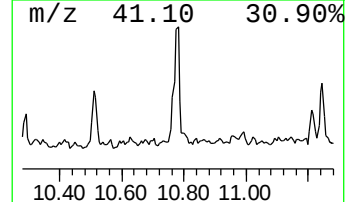
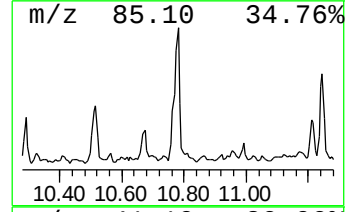
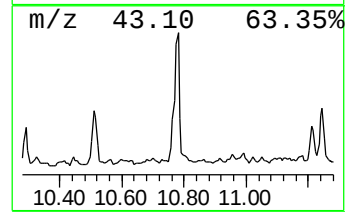
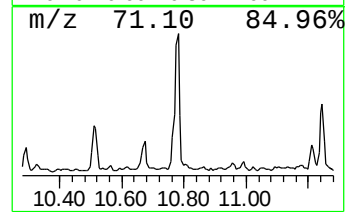
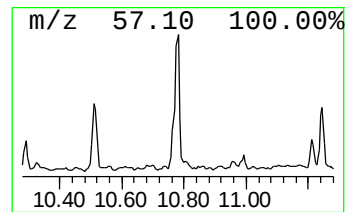
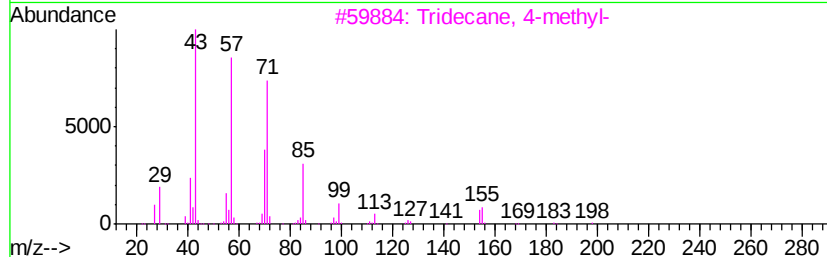
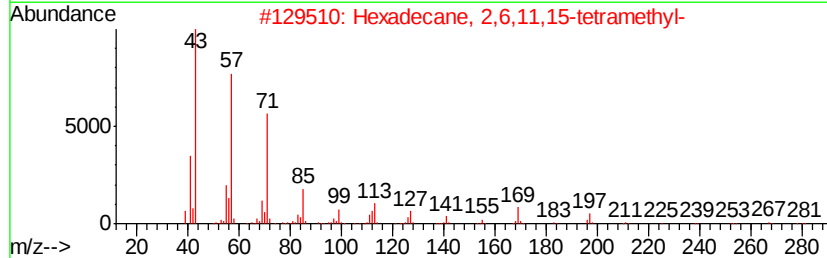
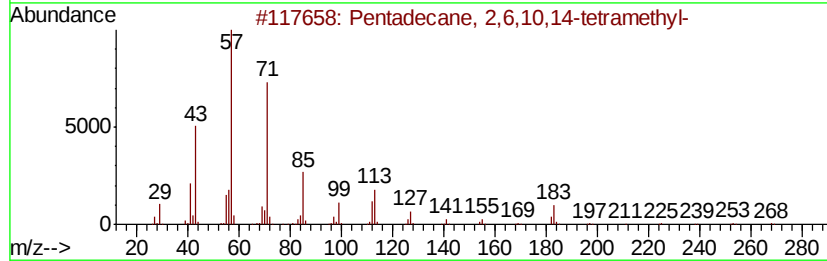
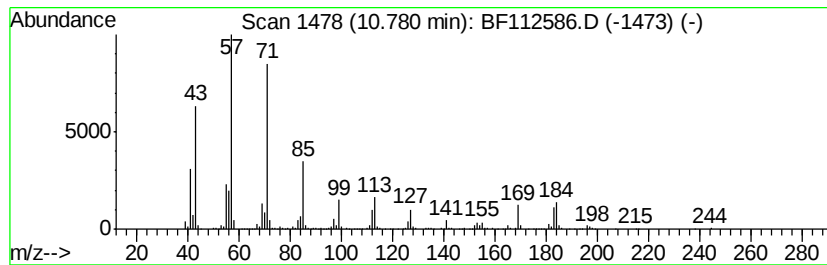
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	12.06 ng	703740	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
3		Tridecane, 4-methyl-	198	C14H30	026730-12-1	70
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
Operator : JU/SJ
Sample : K1490-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

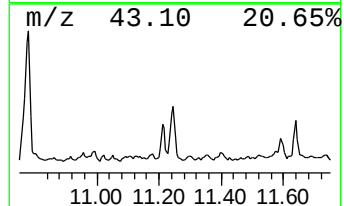
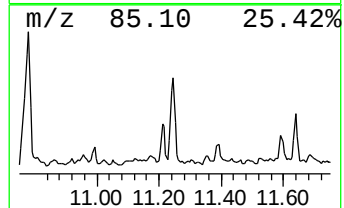
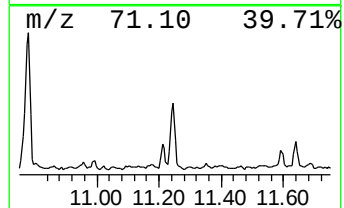
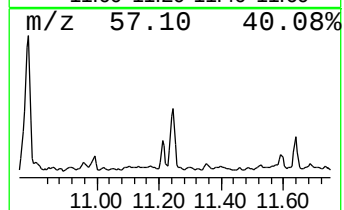
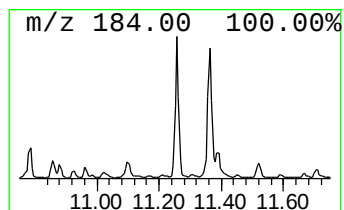
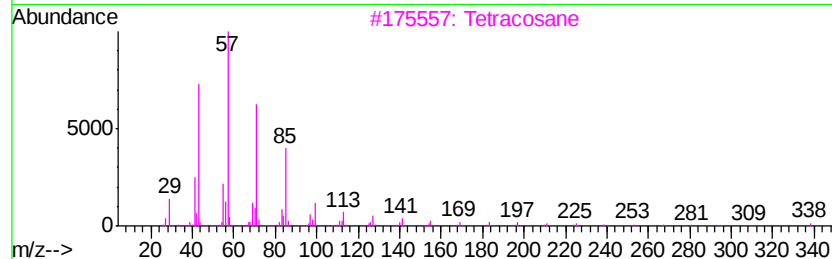
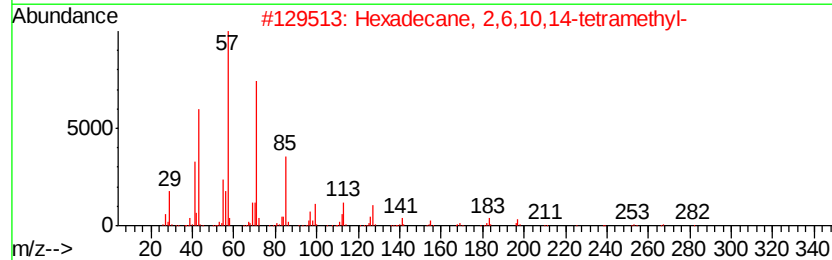
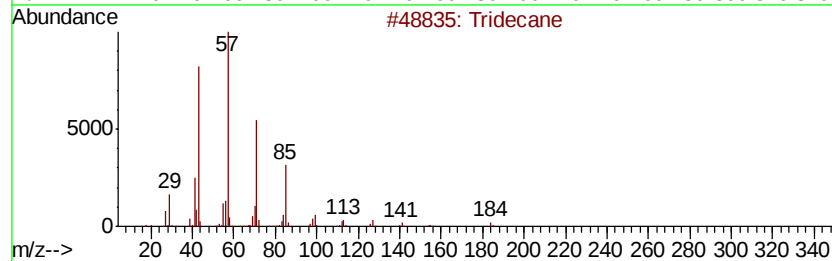
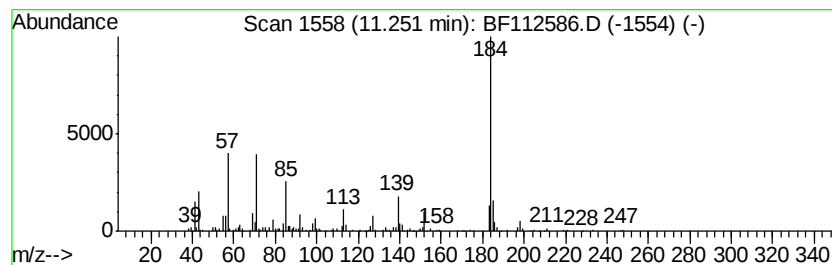
Instrument :
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ClientSampleId :
TP-1-214

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.25	7.74 ng	451611	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
3	Tetracosane	338	C24H50	000646-31-1	83
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
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Sample : K1490-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

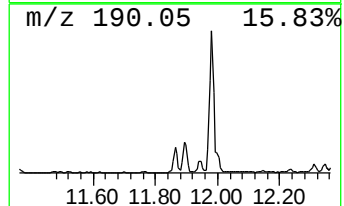
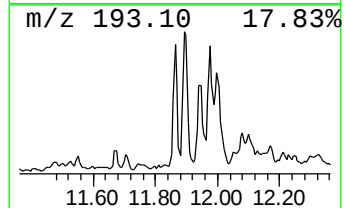
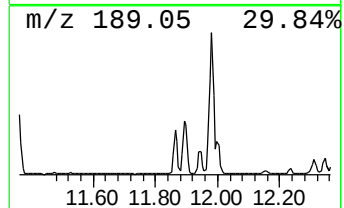
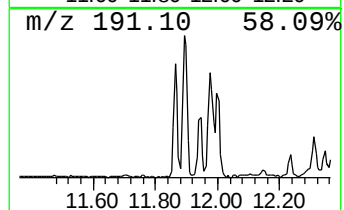
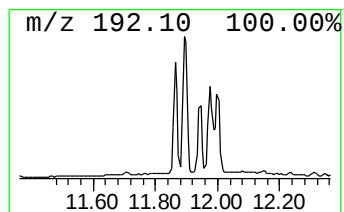
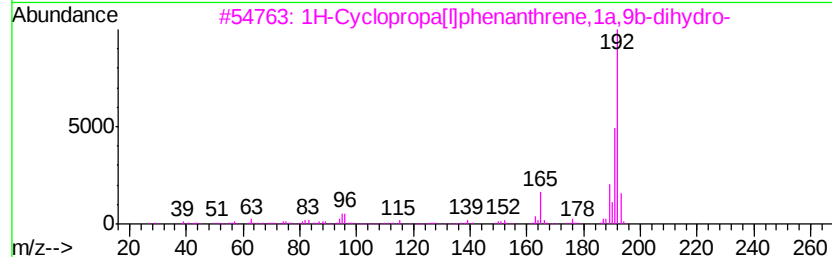
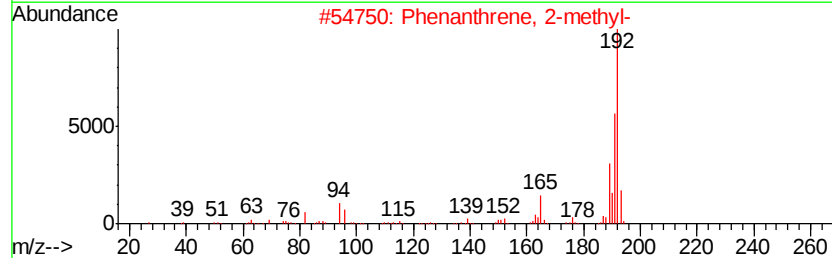
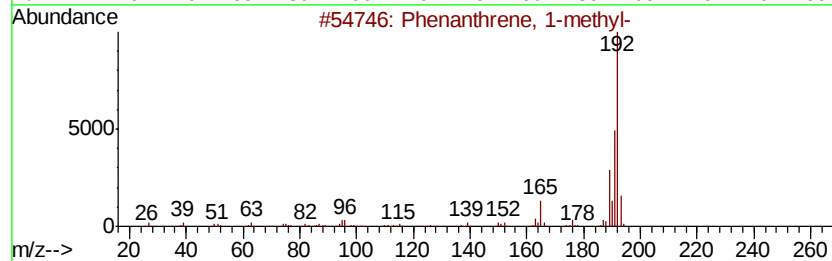
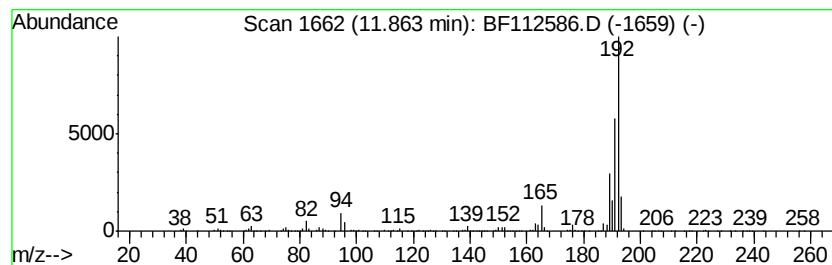
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	9.39 ng	547790	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
Operator : JU/SJ
Sample : K1490-01
Misc :
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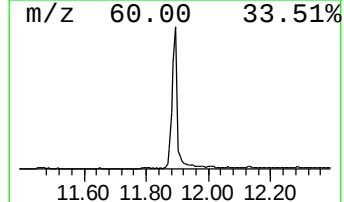
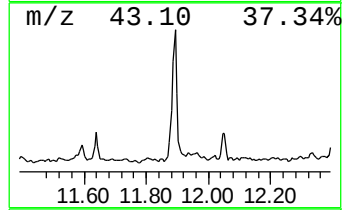
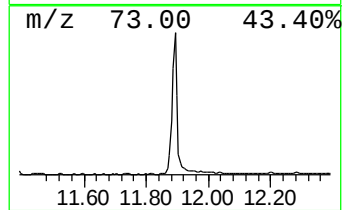
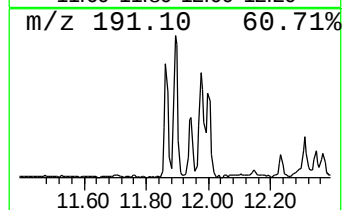
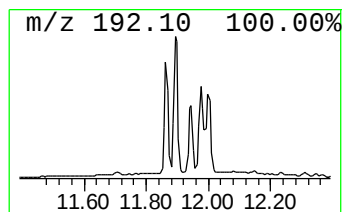
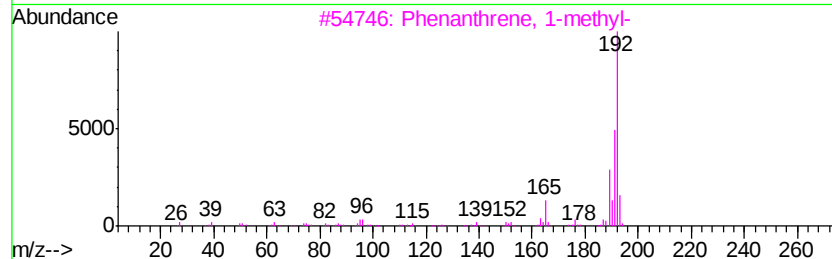
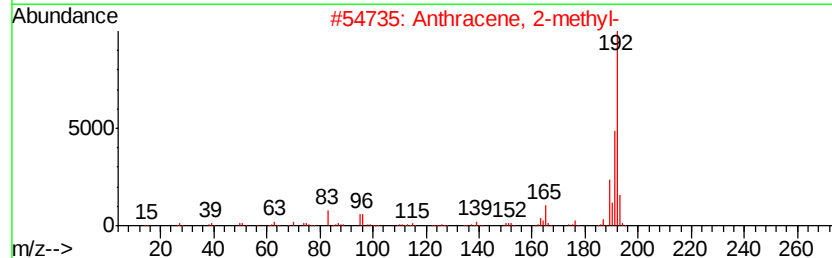
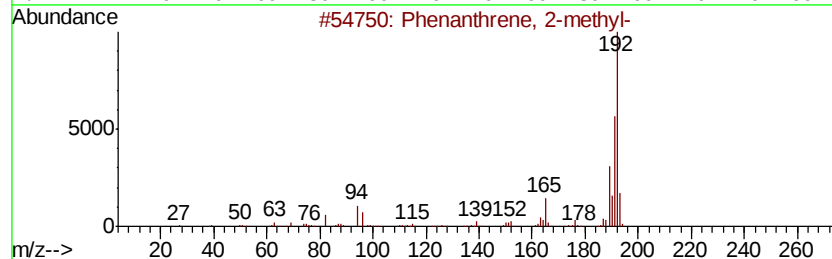
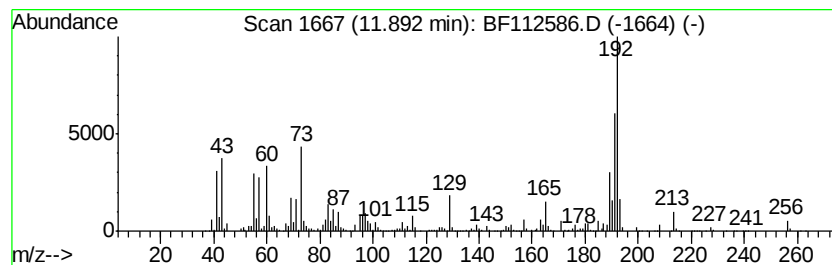
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	30.85 ng	1799730	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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Sample : K1490-01
Misc :
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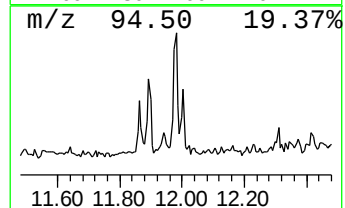
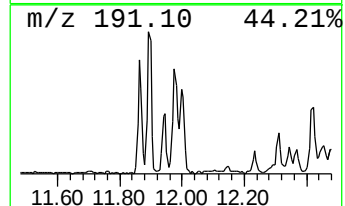
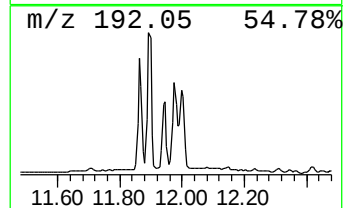
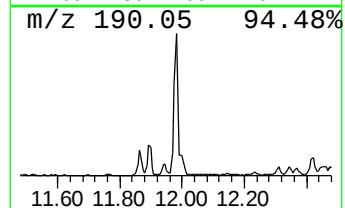
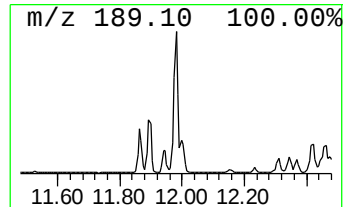
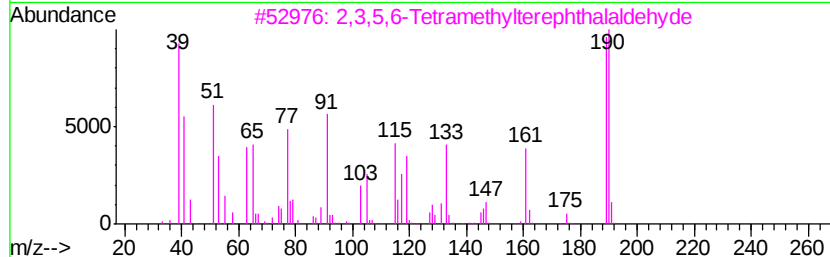
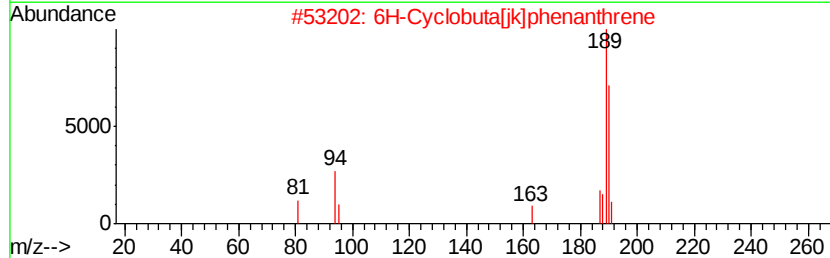
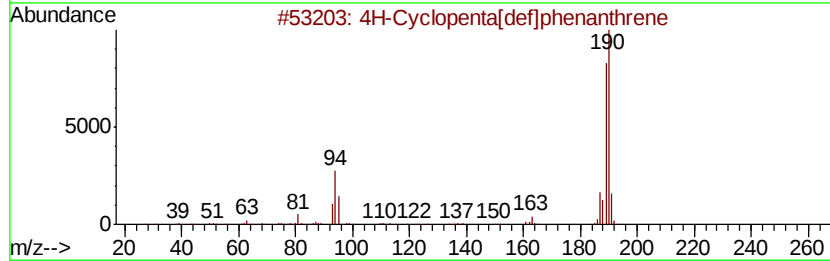
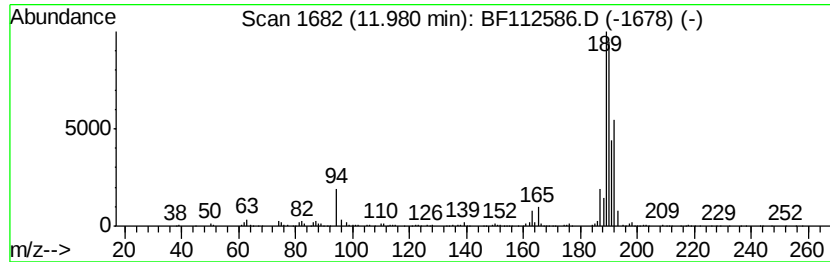
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	17.96 ng	1047920	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
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ClientSampleId :
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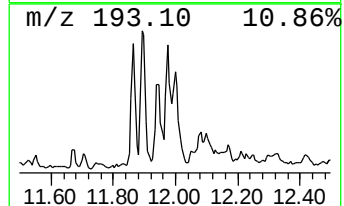
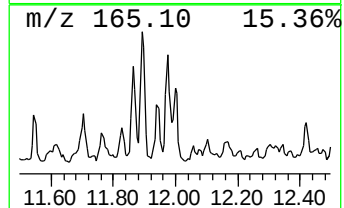
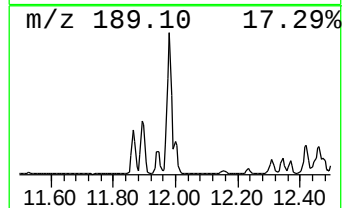
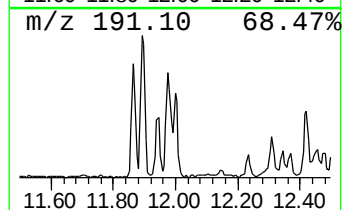
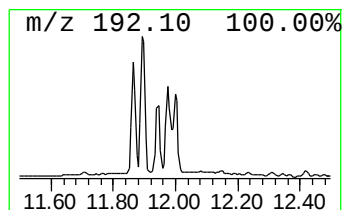
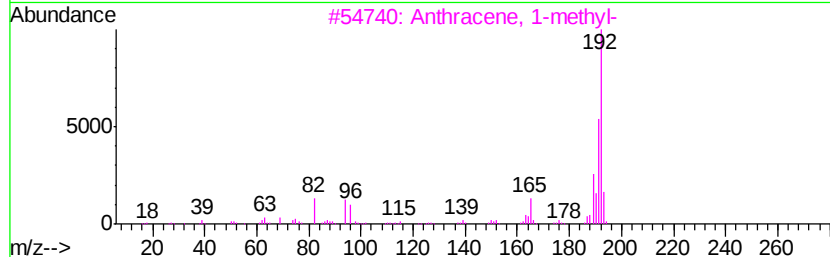
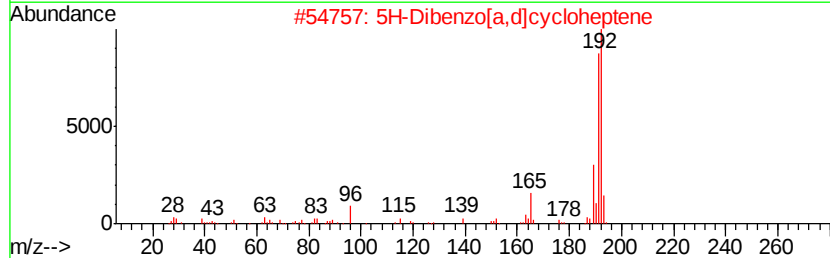
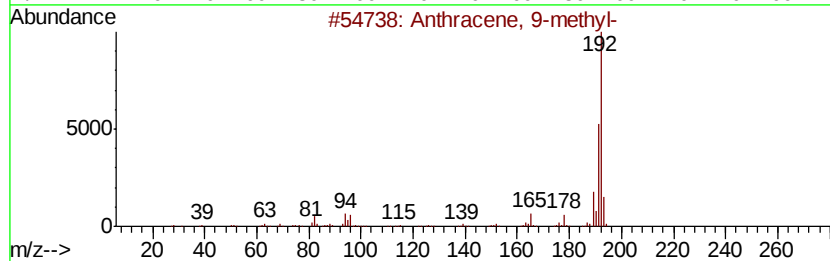
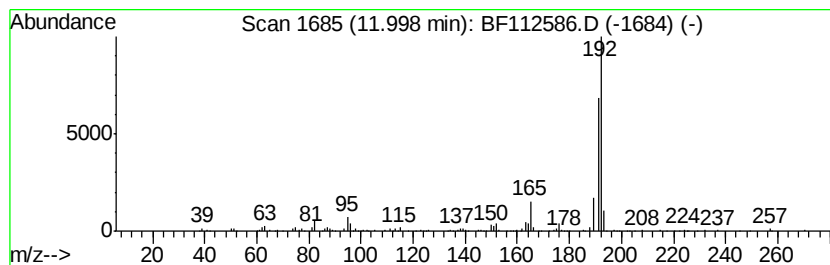
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.37 ng	371424	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
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Sample : K1490-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
TP-1-214

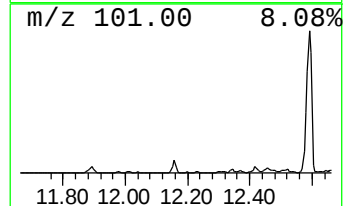
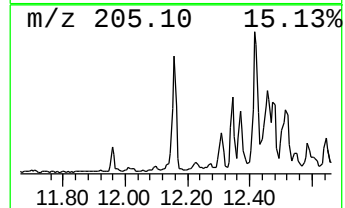
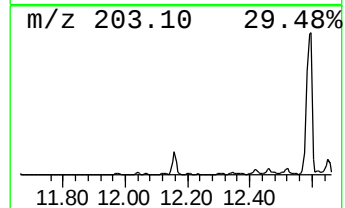
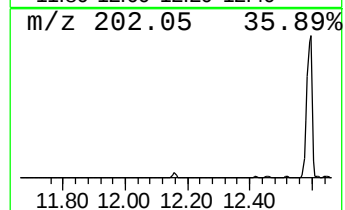
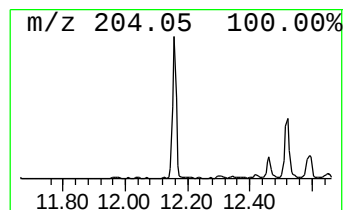
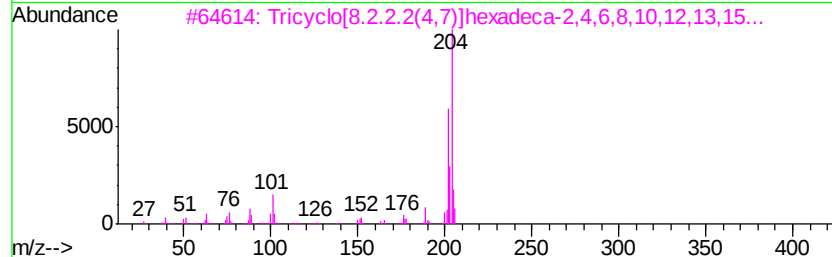
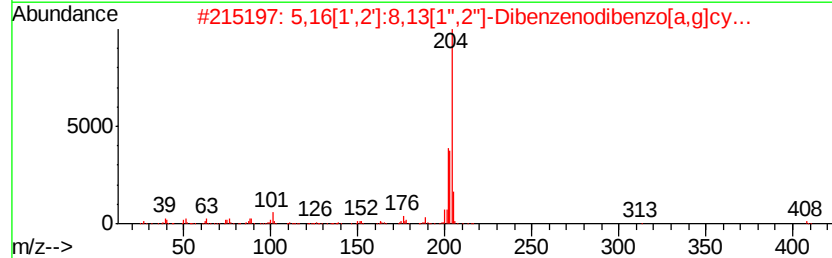
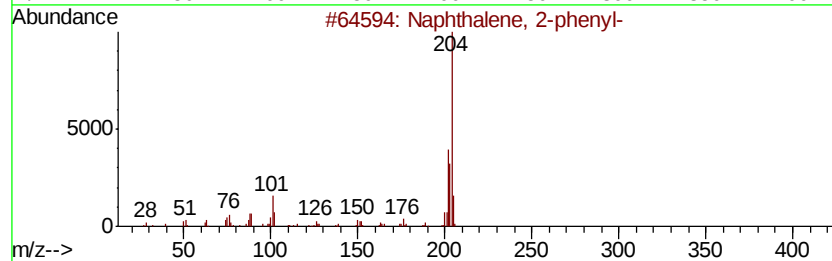
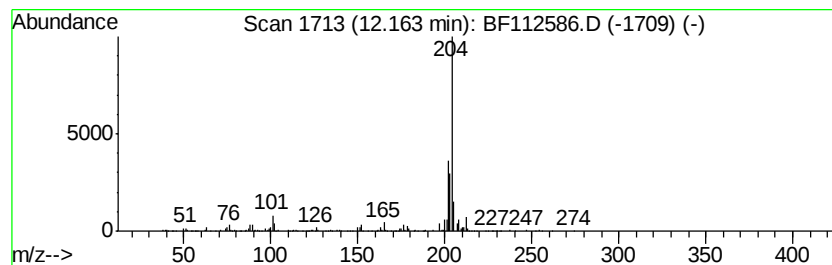
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	8.06 ng	470264	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112586.D
Acq On : 15 Feb 2019 18:42
Operator : JU/SJ
Sample : K1490-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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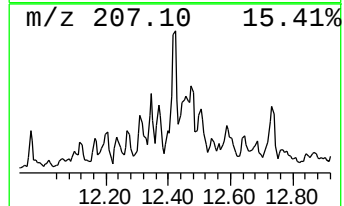
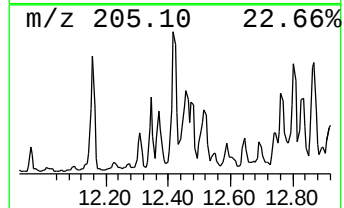
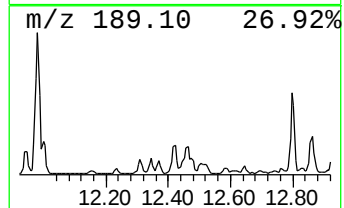
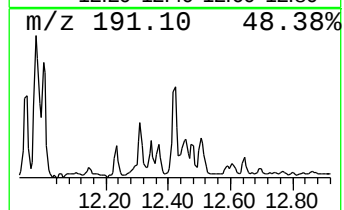
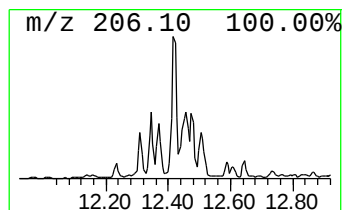
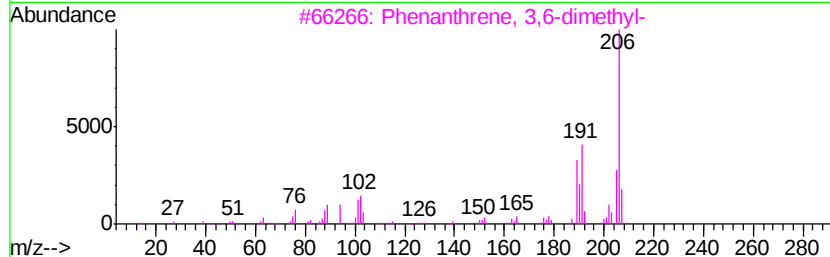
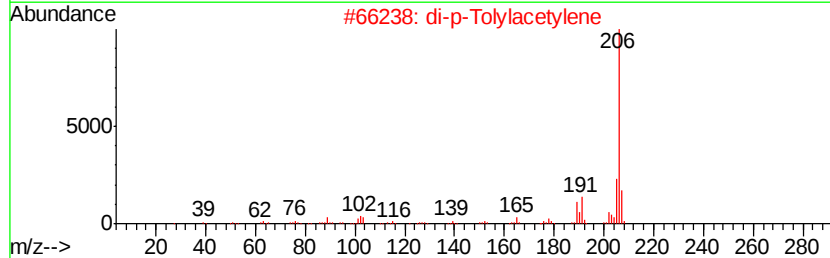
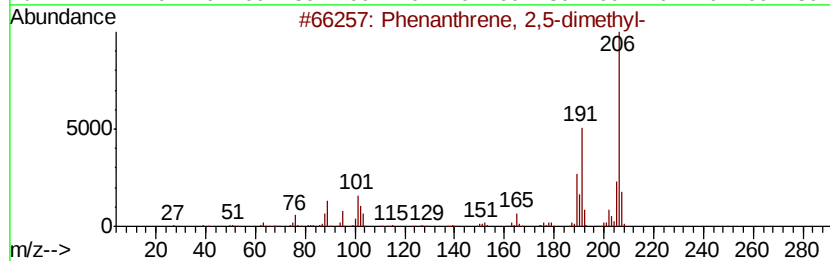
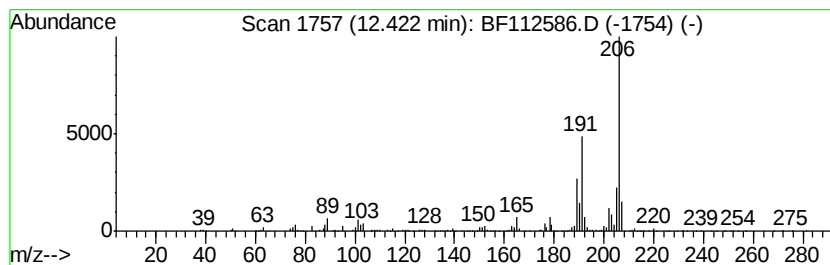
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.27 ng	424057	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	86



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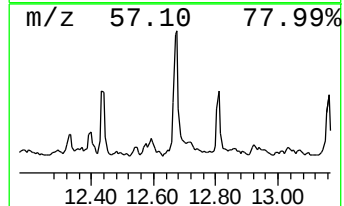
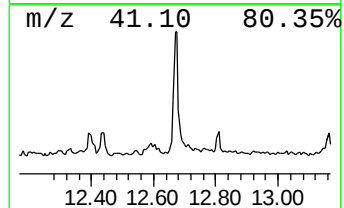
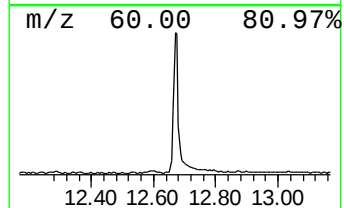
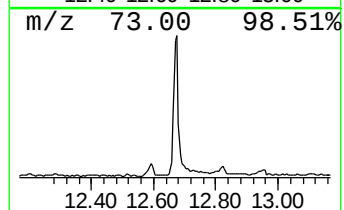
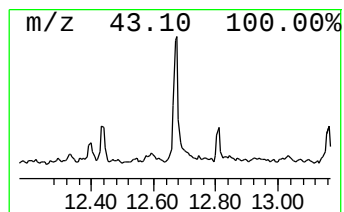
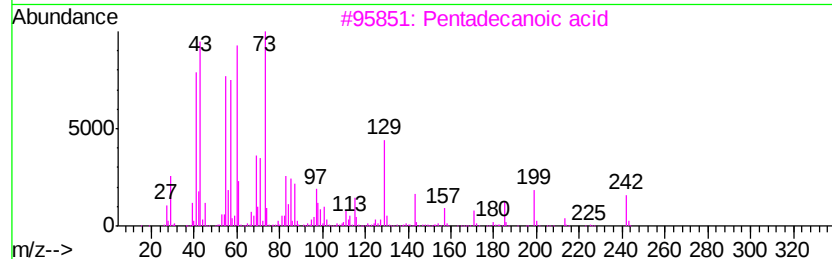
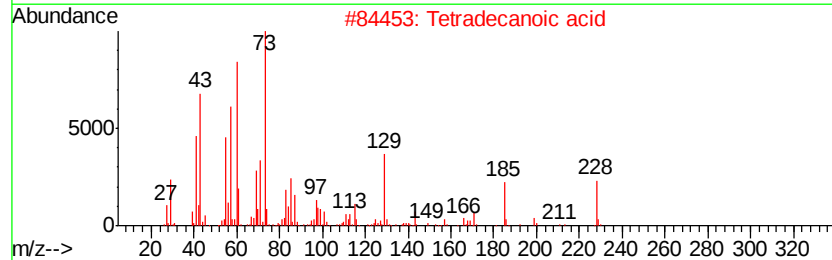
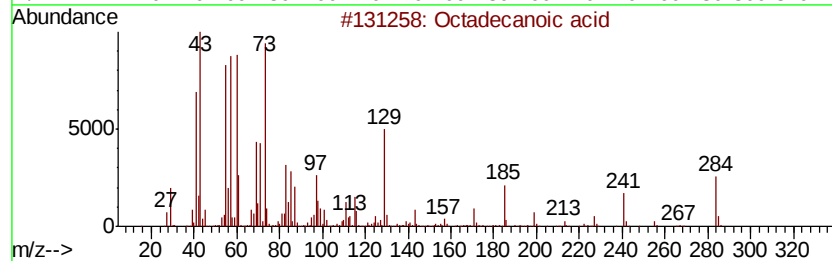
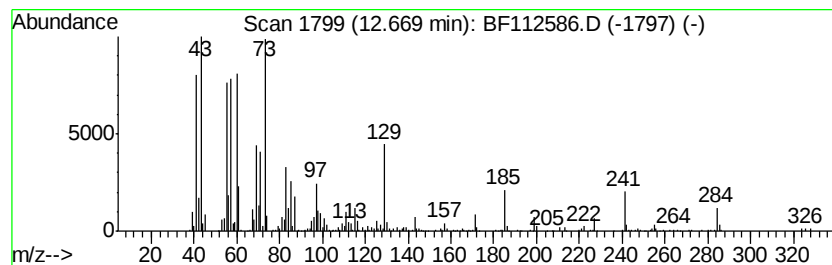
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	14.22 ng	829829	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
5		n-Decanoic acid	172	C10H20O2	000334-48-5	64



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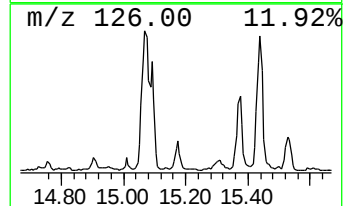
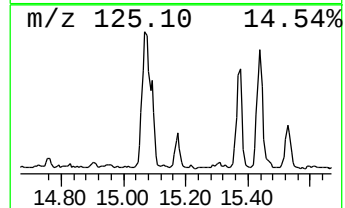
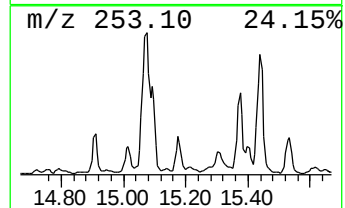
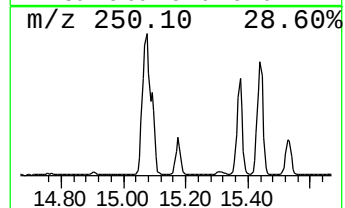
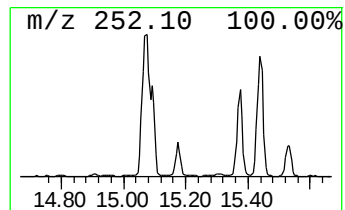
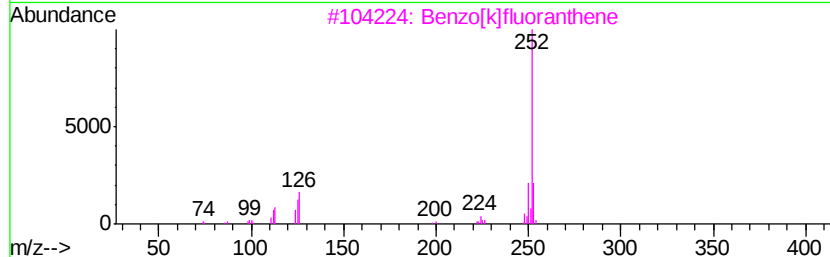
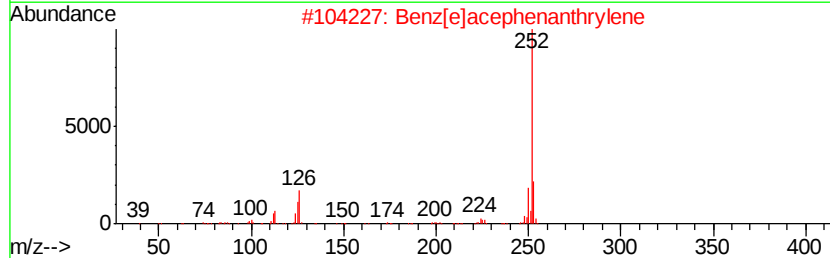
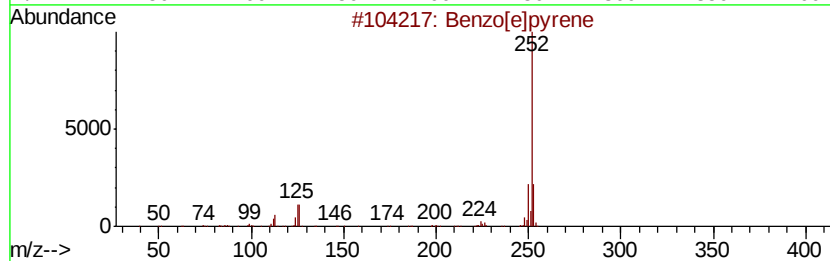
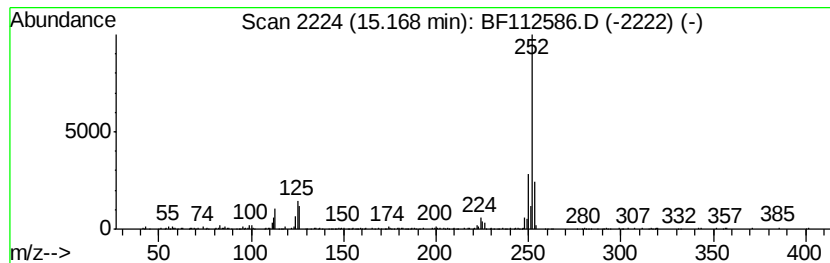
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	9.90 ng	330797	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]bpvrene	252	C20H12	000192-97-2	96
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]bpvrene	252	C20H12	000050-32-8	93
5			Perylene	252	C20H12	000198-55-0	90



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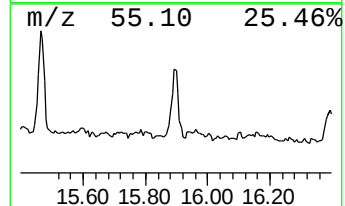
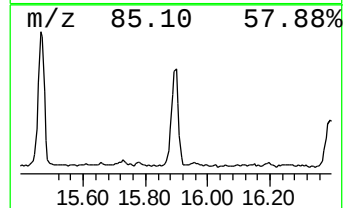
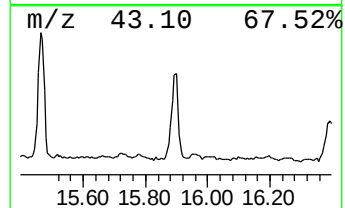
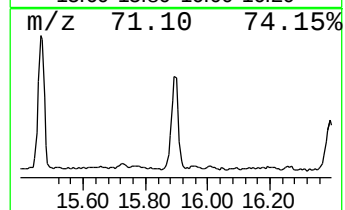
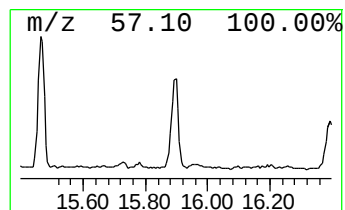
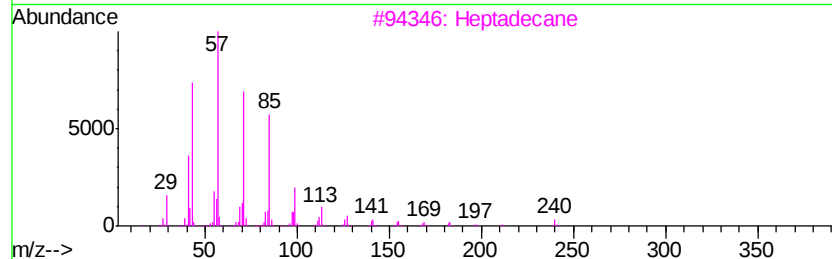
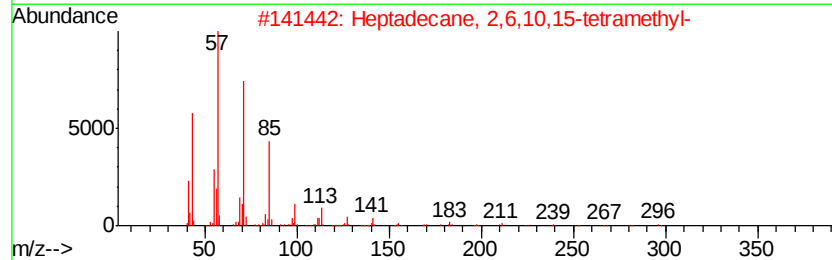
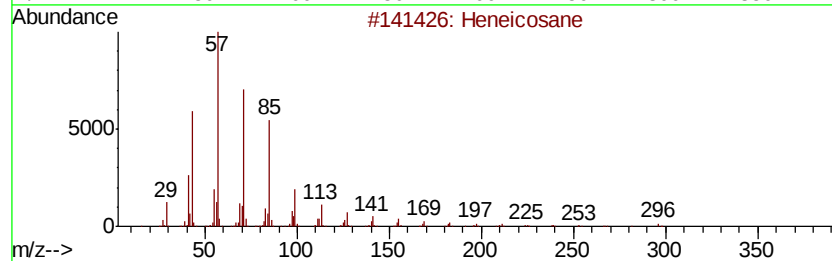
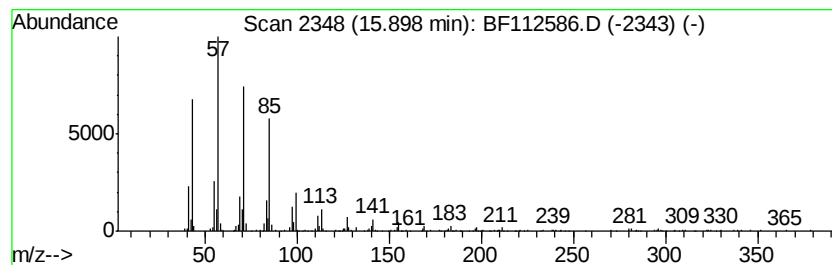
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	13.98 ng	467115	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
3		Heptadecane	240	C17H36	000629-78-7	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Docosane, 11-butyl-	366	C26H54	013475-76-8	91



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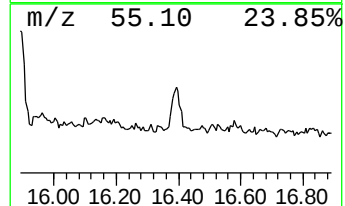
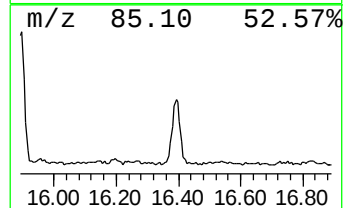
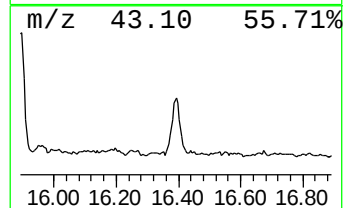
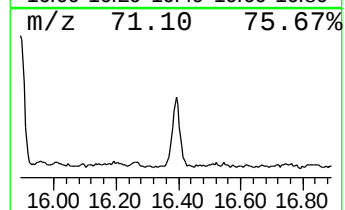
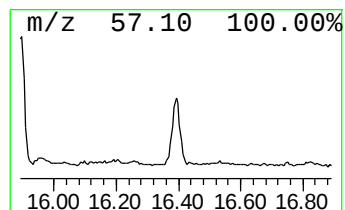
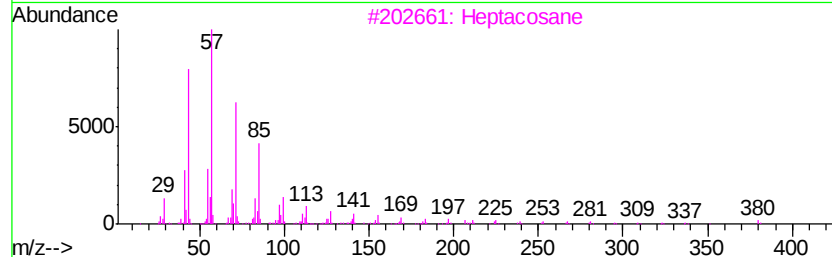
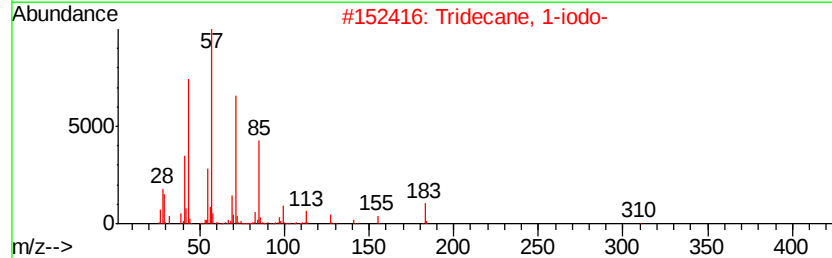
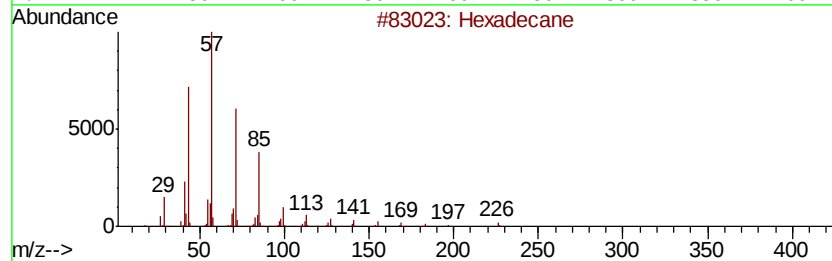
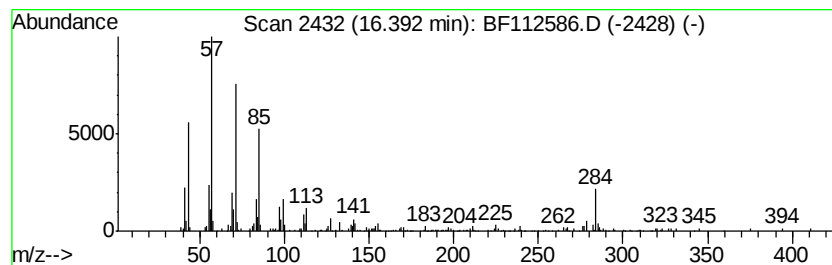
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	10.45 ng	349287	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	93
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3		Heptacosane	380	C27H56	000593-49-7	87
4		Hexacosane	366	C26H54	000630-01-3	87
5		Heneicosane	296	C21H44	000629-94-7	83



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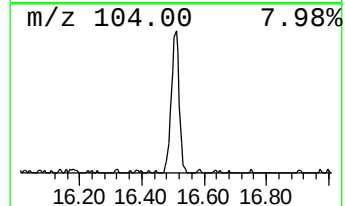
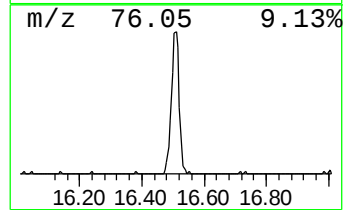
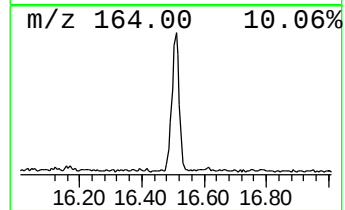
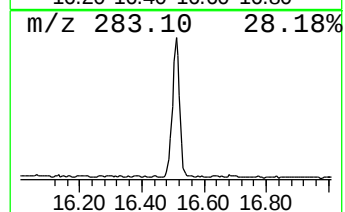
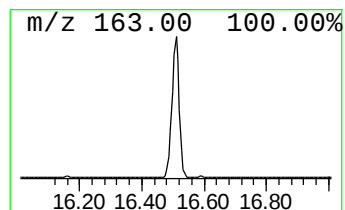
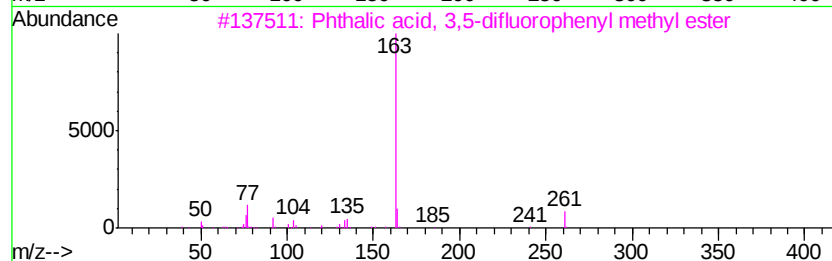
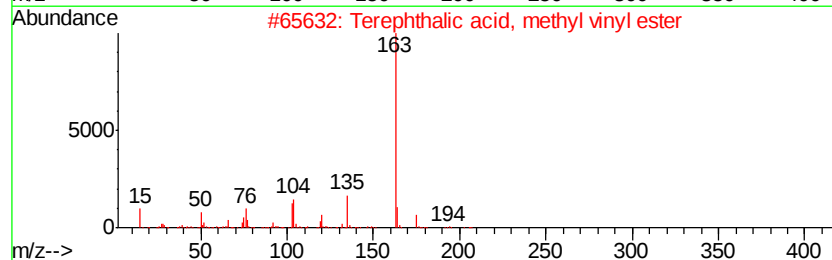
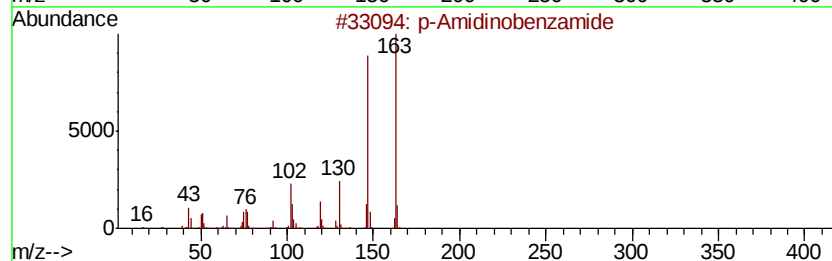
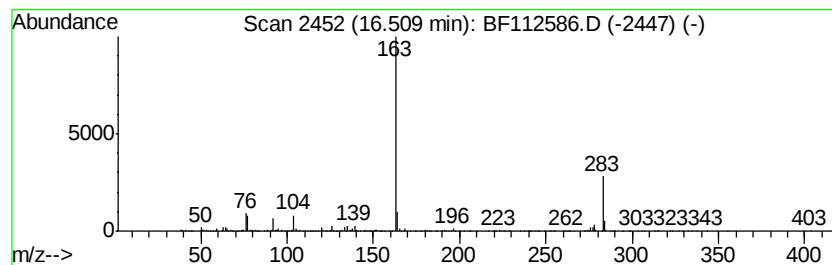
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 p-Amidinobenzamide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	20.57 ng	687316	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Amidinobenzamide	163	C8H9N3O	054050-86-1	53
2		Terephthalic acid, methyl vinyl ...	206	C11H10O4	004091-02-5	53
3		Phthalic acid, 3,5-difluorophenv...	292	C15H10F2O4	1000315-61-0	53
4		Phthalic acid, 2,6-dimethoxyphen...	316	C17H16O6	1000315-74-1	50
5		Phthalic acid, 4-isopropylphenyl...	298	C18H18O4	1000315-65-7	50



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ALS Vial : 10 Sample Multiplier: 1

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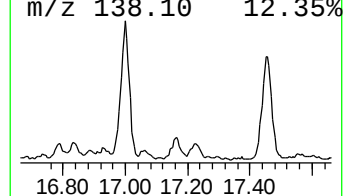
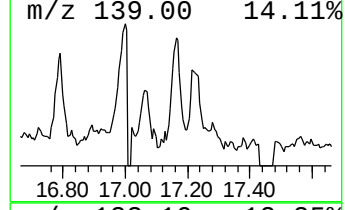
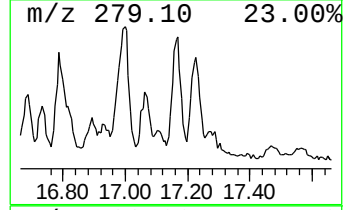
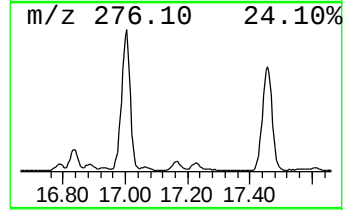
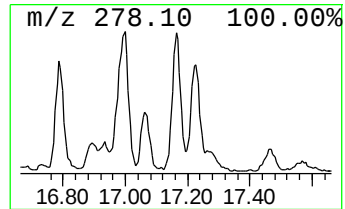
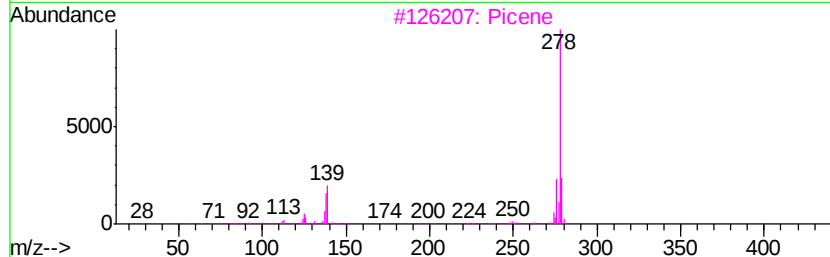
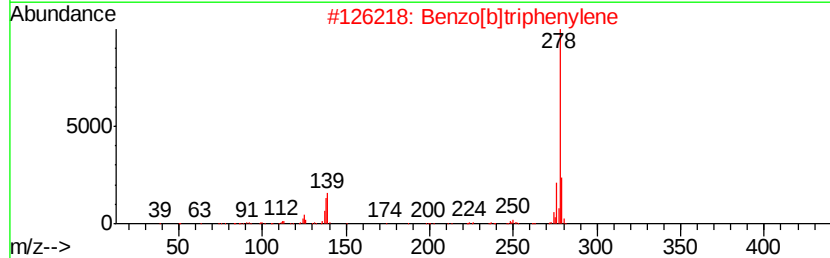
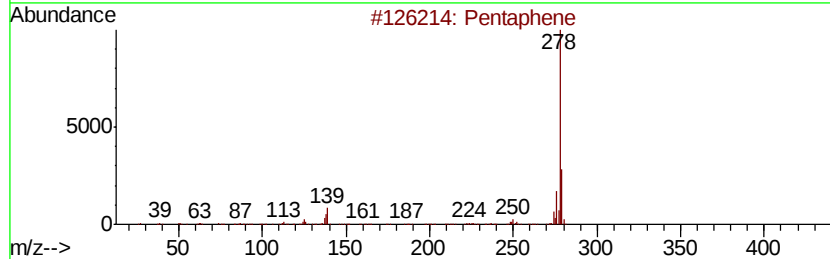
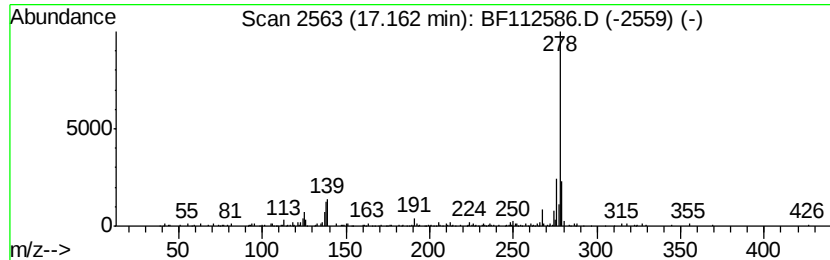
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentaphene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	6.83 ng	228413	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	97
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3		Picene	278	C22H14	000213-46-7	94
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112586.D
 Acq On : 15 Feb 2019 18:42
 Operator : JU/SJ
 Sample : K1490-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-214

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.06	6.8 ng		204804	1	6.83	602084	20.0
unknown6.62	6.62	143.3 ng		4314180	1	6.83	602084	20.0
Decane, 2,6,8-tri...	10.51	5.7 ng		266723	3	9.87	942467	20.0
Pentadecane, 2,6,...	10.78	12.1 ng		703740	4	11.36	1166850	20.0
Tridecane	11.25	7.7 ng		451611	4	11.36	1166850	20.0
Phenanthrene, 1-m...	11.86	9.4 ng		547790	4	11.36	1166850	20.0
Phenanthrene, 2-m...	11.89	30.9 ng		1799730	4	11.36	1166850	20.0
4H-Cyclopenta[def...	11.98	18.0 ng		1047920	4	11.36	1166850	20.0
Anthracene, 9-met...	12.00	6.4 ng		371424	4	11.36	1166850	20.0
Naphthalene, 2-ph...	12.16	8.1 ng		470264	4	11.36	1166850	20.0
Phenanthrene, 2,5...	12.42	7.3 ng		424057	4	11.36	1166850	20.0
Octadecanoic acid	12.67	14.2 ng		829829	4	11.36	1166850	20.0
Benzo[e]pyrene	15.17	9.9 ng		330797	6	15.50	668420	20.0
Heneicosane	15.90	14.0 ng		467115	6	15.50	668420	20.0
Hexadecane	16.39	10.4 ng		349287	6	15.50	668420	20.0
p-Amidinobenzamide	16.51	20.6 ng		687316	6	15.50	668420	20.0
Pentaphene	17.16	6.8 ng		228413	6	15.50	668420	20.0