

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112326.D
 Acq On : 30 Jan 2019 17:18
 Operator : JU/SJ
 Sample : K1282-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

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	2.128	3	7	14	rVB	127086	163139	4.76%	0.247%
2	5.057	502	505	512	rBV	145671	186752	5.45%	0.283%
3	5.475	573	576	589	rVV	3092744	3011940	87.89%	4.560%
4	6.487	743	748	763	rBV	3236588	3252396	94.90%	4.924%
5	6.616	766	770	773	rVV	3792047	3358397	98.00%	5.085%
6	6.840	804	808	815	rVB	1046161	972989	28.39%	1.473%
7	6.992	830	834	838	rBV	2914427	2684165	78.32%	4.064%
8	7.398	898	903	908	rBV	2024363	1996244	58.25%	3.022%
9	8.122	1019	1026	1028	rBV	1180856	1266779	36.96%	1.918%
10	8.139	1028	1029	1033	rVV	388311	278140	8.12%	0.421%
11	8.181	1033	1036	1046	rVB2	59680	96587	2.82%	0.146%
12	8.834	1144	1147	1151	rVB	197846	173764	5.07%	0.263%
13	8.928	1160	1163	1166	rBV	181800	162982	4.76%	0.247%
14	9.192	1203	1208	1211	rBV	3974170	3427092	100.00%	5.189%
15	9.457	1249	1253	1257	rBV	103717	142032	4.14%	0.215%
16	9.533	1262	1266	1268	rVV	209175	219084	6.39%	0.332%
17	9.557	1268	1270	1272	rVV	140593	120681	3.52%	0.183%
18	9.581	1272	1274	1279	rVV	254113	281191	8.20%	0.426%
19	9.651	1282	1286	1291	rBV	93194	108824	3.18%	0.165%
20	9.733	1297	1300	1304	rBV	300365	244268	7.13%	0.370%
21	9.875	1317	1324	1327	rBV	1403103	1384454	40.40%	2.096%
22	9.904	1327	1329	1333	rVB	373318	296600	8.65%	0.449%
23	10.075	1354	1358	1362	rVV	344242	357135	10.42%	0.541%
24	10.116	1362	1365	1369	rVB	131202	124236	3.63%	0.188%
25	10.186	1374	1377	1380	rBV	128688	141003	4.11%	0.213%
26	10.216	1380	1382	1389	rVB	103618	116147	3.39%	0.176%
27	10.280	1389	1393	1395	rBV	135312	160352	4.68%	0.243%
28	10.422	1413	1417	1423	rVB	504491	500052	14.59%	0.757%
29	10.575	1438	1443	1447	rVB	179433	196845	5.74%	0.298%
30	10.663	1454	1458	1465	rBV	2315989	2199519	64.18%	3.330%
31	10.786	1474	1479	1485	rVB3	192610	267101	7.79%	0.404%
32	10.969	1504	1510	1513	rBV3	151403	211050	6.16%	0.320%
33	11.098	1527	1532	1534	rBV2	140902	180628	5.27%	0.273%
34	11.116	1534	1535	1537	rVV	118348	100199	2.92%	0.152%

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Integration Parameters: rteint.p
 Integrator: RTE
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 Start Thrs: 0.2
 Stop Thrs : 0

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 Min Area: 3 % of largest Peak
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.169	1541	1544	1547	rVV2	189203	188492	5.50%	0.285%
36	11.216	1547	1552	1555	rVV2	174903	269513	7.86%	0.408%
37	11.257	1556	1559	1564	rVB	255906	257051	7.50%	0.389%
38	11.363	1573	1577	1579	rBV	1270436	1351115	39.42%	2.046%
39	11.386	1579	1581	1584	rVV	3800553	3070888	89.61%	4.649%
40	11.433	1586	1589	1592	rVV	749345	691125	20.17%	1.046%
41	11.469	1592	1595	1598	rVB2	106672	113896	3.32%	0.172%
42	11.592	1611	1616	1623	rVV2	320089	441115	12.87%	0.668%
43	11.645	1623	1625	1628	rVV3	141744	142419	4.16%	0.216%
44	11.698	1631	1634	1638	rVB4	95692	151334	4.42%	0.229%
45	11.863	1658	1662	1664	rBV	485901	434722	12.68%	0.658%
46	11.892	1664	1667	1672	rVV	697894	746216	21.77%	1.130%
47	11.939	1672	1675	1677	rVV	230644	211295	6.17%	0.320%
48	11.974	1677	1681	1683	rVV2	730765	766635	22.37%	1.161%
49	11.998	1683	1685	1689	rVB	325154	277936	8.11%	0.421%
50	12.051	1689	1694	1699	rBV5	133684	221500	6.46%	0.335%
51	12.157	1708	1712	1715	rVV	329094	321387	9.38%	0.487%
52	12.186	1715	1717	1722	rVB	218311	182551	5.33%	0.276%
53	12.304	1732	1737	1740	rBV	138978	171239	5.00%	0.259%
54	12.339	1740	1743	1745	rVV	153767	137524	4.01%	0.208%
55	12.363	1745	1747	1749	rVB	132684	94773	2.77%	0.143%
56	12.410	1749	1755	1758	rBV	379985	414178	12.09%	0.627%
57	12.451	1758	1762	1764	rVV3	273061	399797	11.67%	0.605%
58	12.498	1767	1770	1775	rVB3	190809	259423	7.57%	0.393%
59	12.580	1779	1784	1787	rBV	3663820	3355333	97.91%	5.080%
60	12.669	1797	1799	1802	rBV	219842	172292	5.03%	0.261%
61	12.727	1802	1809	1812	rBV4	114836	192853	5.63%	0.292%
62	12.810	1816	1823	1828	rBV2	2834936	3304668	96.43%	5.003%
63	12.857	1828	1831	1835	rVB2	222808	260887	7.61%	0.395%
64	12.939	1839	1845	1848	rBV	2707460	2627374	76.66%	3.978%
65	12.963	1848	1849	1854	rVB2	187099	156244	4.56%	0.237%
66	13.016	1854	1858	1863	rBV3	234326	448034	13.07%	0.678%
67	13.110	1870	1874	1875	rBV3	193806	223273	6.51%	0.338%
68	13.133	1875	1878	1881	rVB	518666	470723	13.74%	0.713%
69	13.169	1881	1884	1886	rBV3	95804	99401	2.90%	0.150%
70	13.198	1886	1889	1891	rBV	350087	269591	7.87%	0.408%
71	13.233	1891	1895	1899	rVV2	313630	393041	11.47%	0.595%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	13.327	1908	1911	1914	rBV	174881	173597	5.07%	0.263%
73	13.357	1914	1916	1920	rVB2	182854	183339	5.35%	0.278%
74	13.510	1939	1942	1944	rBV2	124445	127440	3.72%	0.193%
75	13.616	1957	1960	1962	rBV	90336	98078	2.86%	0.148%
76	13.645	1962	1965	1968	rVB	267909	264256	7.71%	0.400%
77	13.751	1979	1983	1985	rBV2	273351	294668	8.60%	0.446%
78	13.774	1985	1987	1990	rVV	279833	278756	8.13%	0.422%
79	13.804	1990	1992	1993	rVV	216579	196902	5.75%	0.298%
80	13.833	1995	1997	1999	rVV	316827	376563	10.99%	0.570%
81	13.851	1999	2000	2007	rVB	309555	263111	7.68%	0.398%
82	13.998	2018	2025	2028	rBV2	1955406	2919334	85.18%	4.420%
83	14.027	2028	2030	2033	rVB	1266283	1121028	32.71%	1.697%
84	14.110	2042	2044	2046	rVB	130765	94262	2.75%	0.143%
85	14.151	2048	2051	2054	rBV2	216183	211658	6.18%	0.320%
86	14.233	2061	2065	2068	rBV3	128132	168615	4.92%	0.255%
87	14.386	2087	2091	2094	rVV	331639	369402	10.78%	0.559%
88	14.421	2095	2097	2100	rVV	129433	92151	2.69%	0.140%
89	14.457	2100	2103	2106	rBV3	171233	178402	5.21%	0.270%
90	14.515	2110	2113	2114	rBV	141670	115547	3.37%	0.175%
91	14.886	2173	2176	2179	rBV	132706	144269	4.21%	0.218%
92	15.045	2199	2203	2206	rBV	1123037	1644717	47.99%	2.490%
93	15.151	2218	2221	2225	rVB	239458	241658	7.05%	0.366%
94	15.345	2250	2254	2261	rVB	615032	809126	23.61%	1.225%
95	15.410	2261	2265	2270	rVV	958367	1150979	33.58%	1.743%
96	15.468	2271	2275	2279	rVV	831591	1114453	32.52%	1.687%
97	15.504	2279	2281	2287	rVB2	278708	348103	10.16%	0.527%
98	15.898	2345	2348	2354	rVB3	107110	177015	5.17%	0.268%
99	16.945	2521	2526	2534	rVB	365259	689842	20.13%	1.044%
100	17.392	2596	2602	2610	rVB	256999	529069	15.44%	0.801%

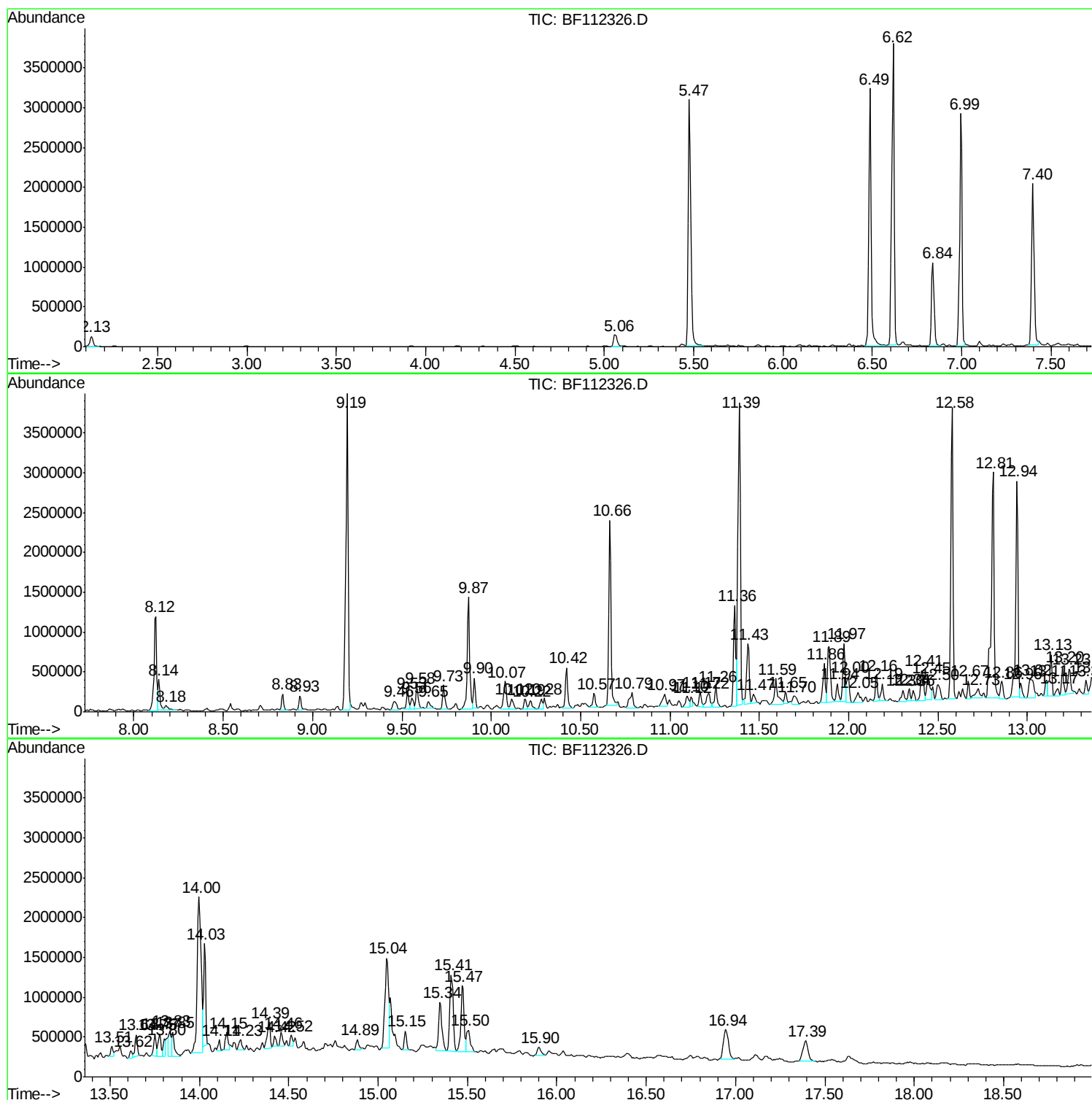
Sum of corrected areas: 66048945

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Instrument :
BNA_F
ClientSampled :
TP-6

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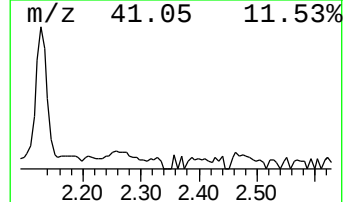
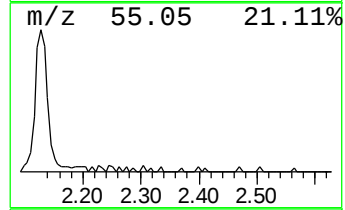
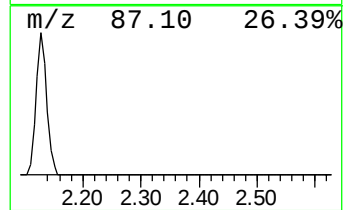
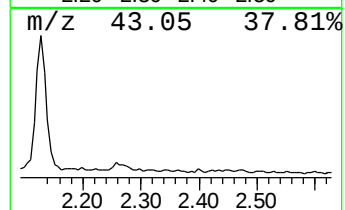
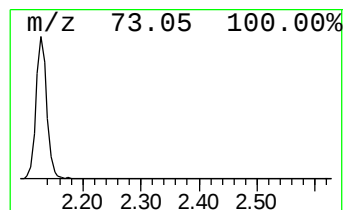
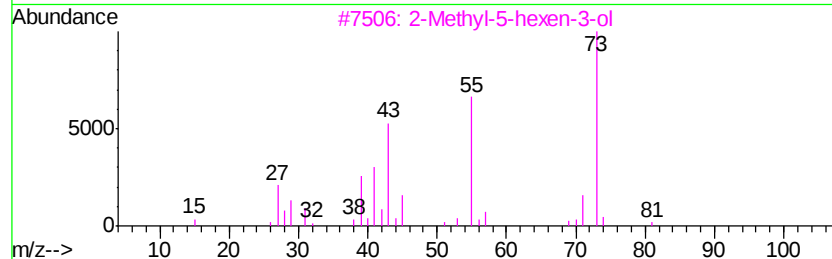
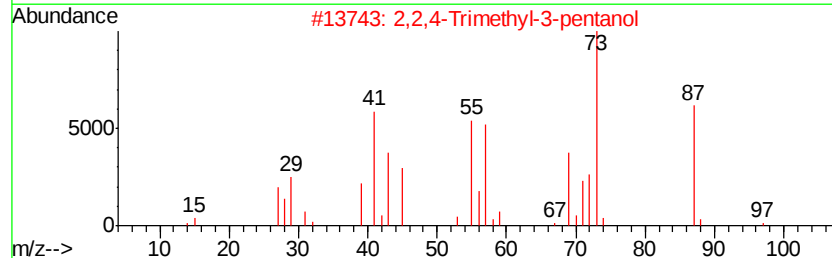
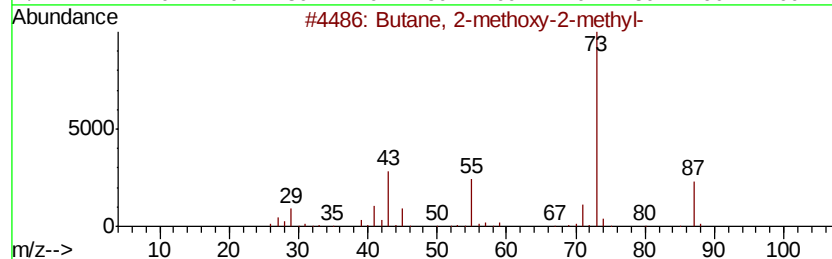
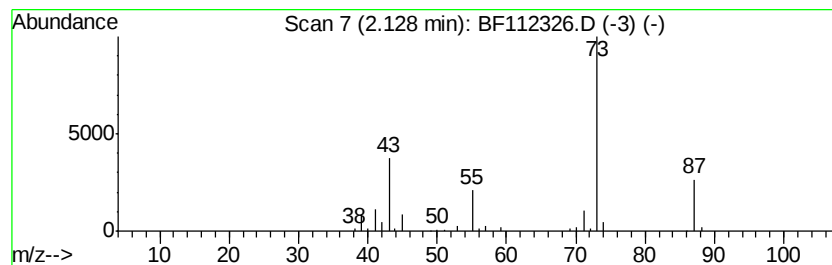
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	3.35 ng	163139	1,4-Dichlorobenzene-d4	6.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12



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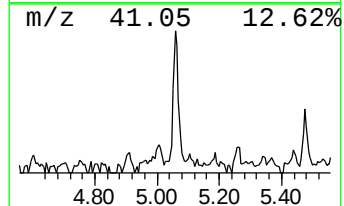
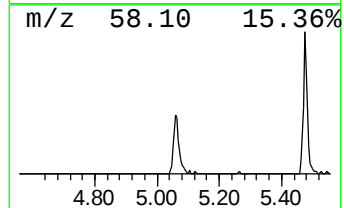
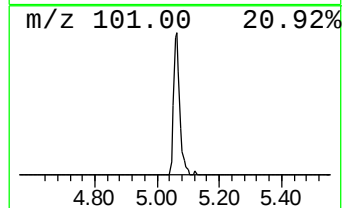
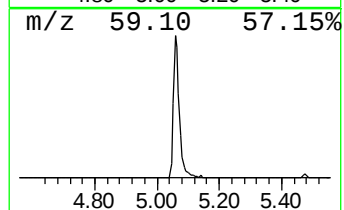
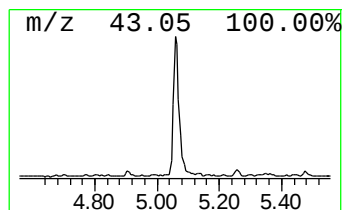
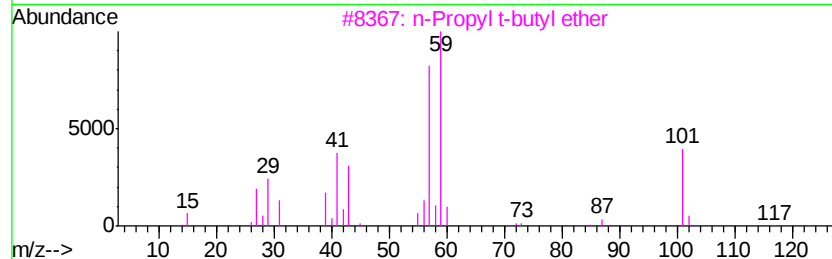
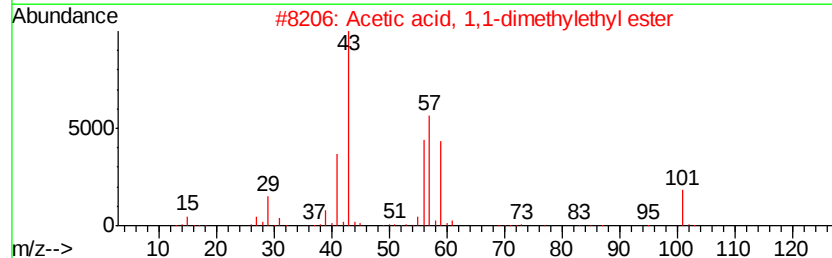
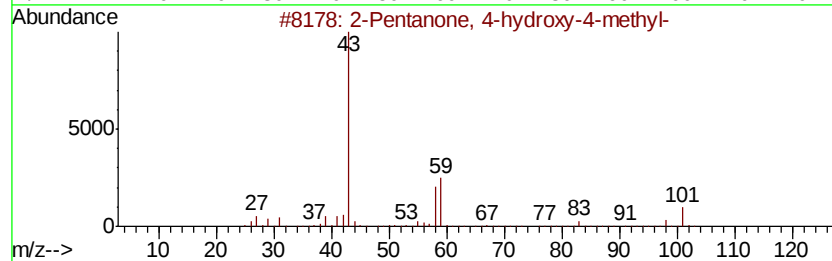
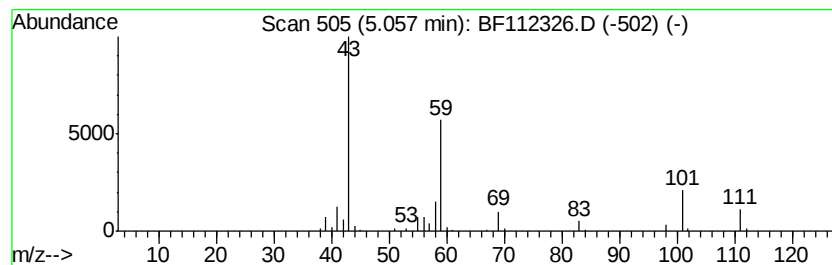
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	3.84 ng	186752	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, 1,1-dimethylethyl ester	116	C6H12O2	000540-88-5	33
3		n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	23
4		2-Octanol, 2,6-dimethyl-	158	C10H22O	018479-57-7	17
5		Hexane, 1-ethoxy-	130	C8H18O	005756-43-4	12



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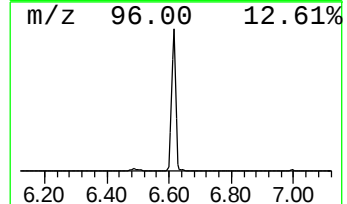
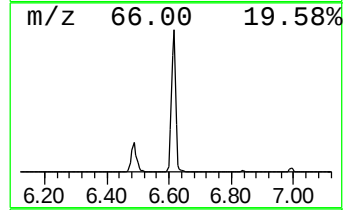
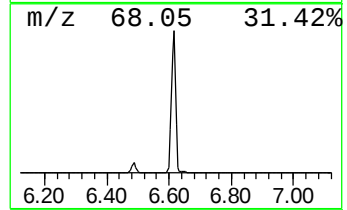
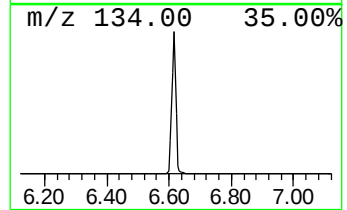
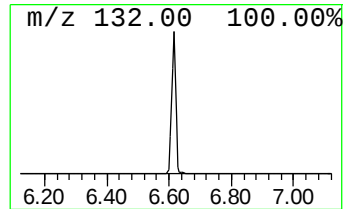
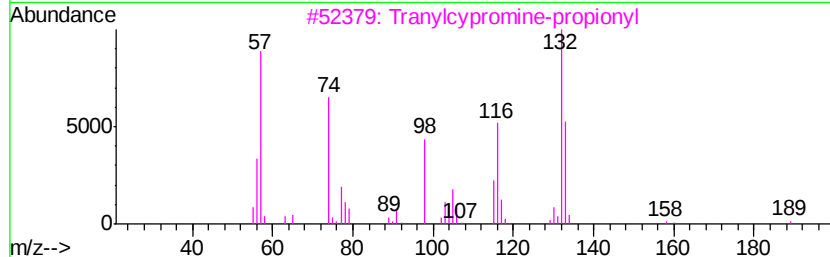
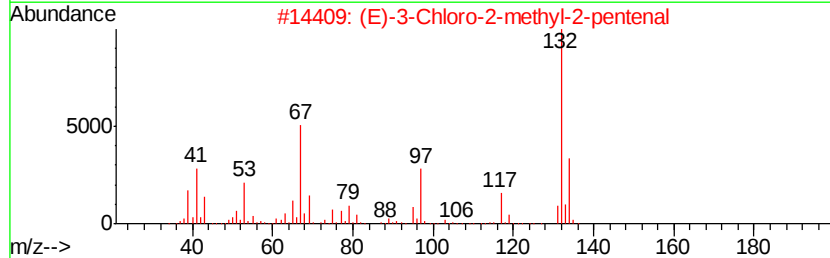
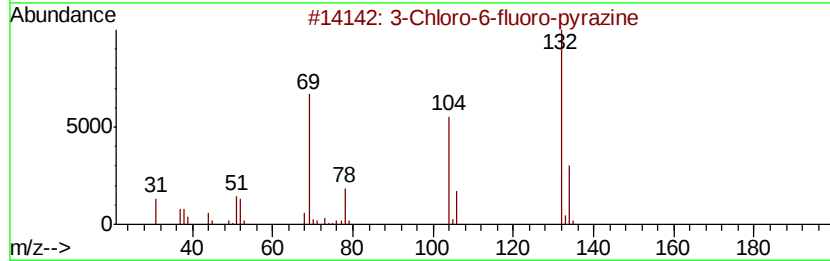
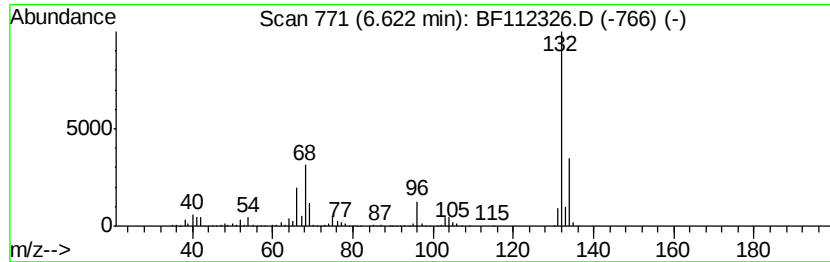
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	69.03 ng	3358400	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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Acq On : 30 Jan 2019 17:18
Operator : JU/SJ
Sample : K1282-21
Misc :
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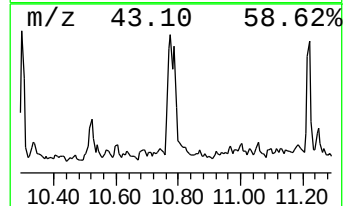
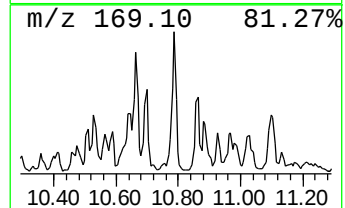
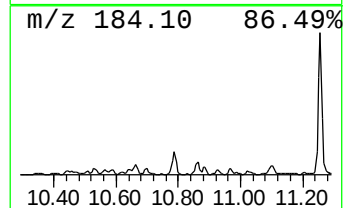
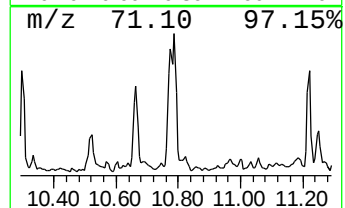
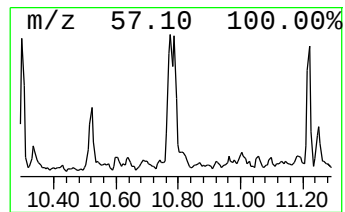
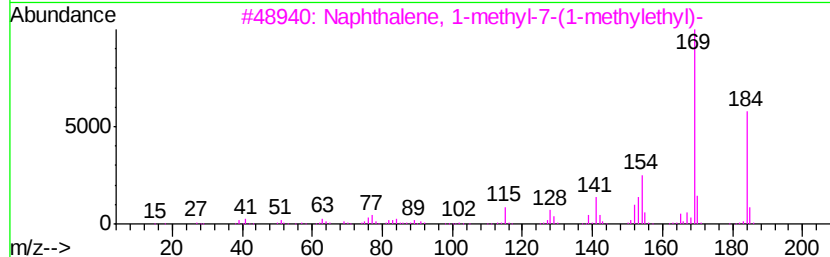
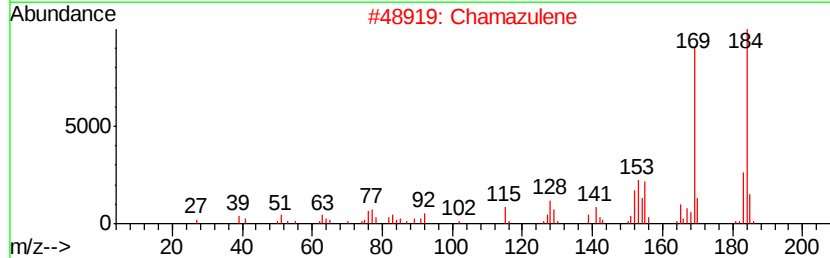
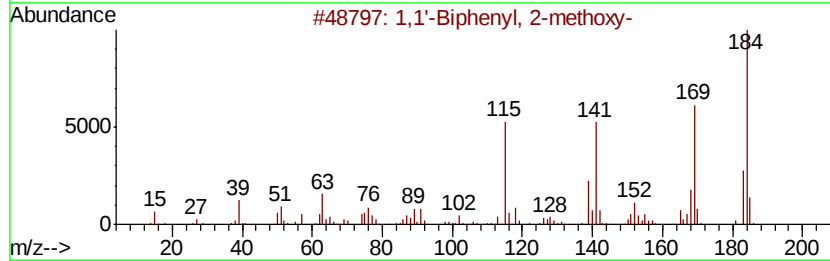
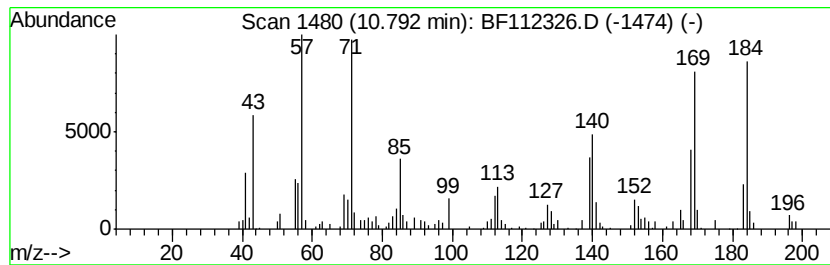
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2-methoxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.79	3.95 ng	267101	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	50
2	Chamazulene	184	C14H16	000529-05-5	49
3	Naphthalene, 1-methyl-7-(1-methyl...	184	C14H16	000490-65-3	49
4	3,4-Dimethoxy-6-methylpovocatechol	184	C9H12O4	054826-79-8	46
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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Acq On : 30 Jan 2019 17:18
Operator : JU/SJ
Sample : K1282-21
Misc :
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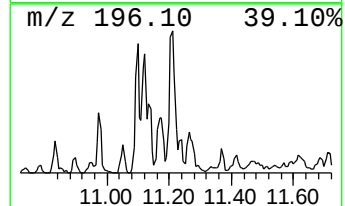
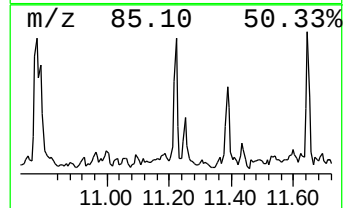
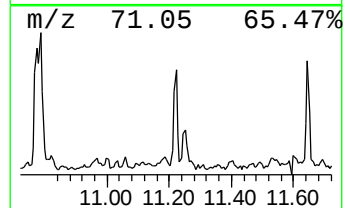
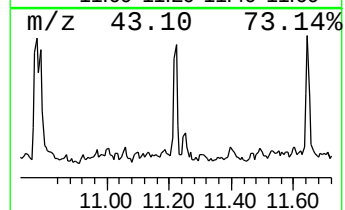
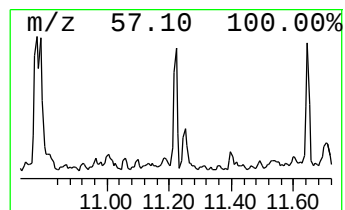
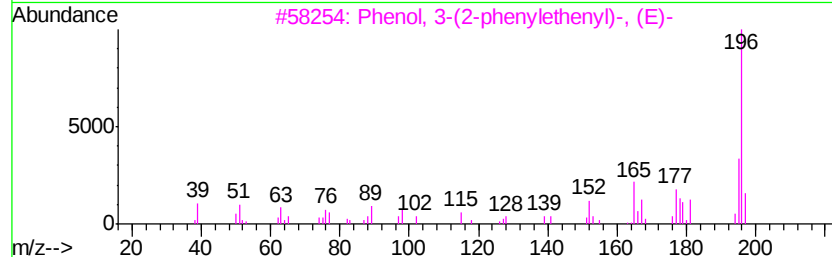
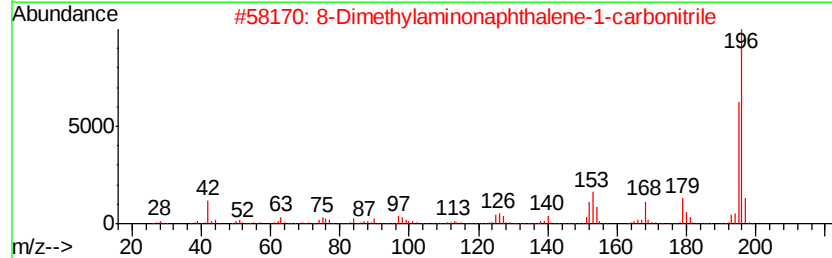
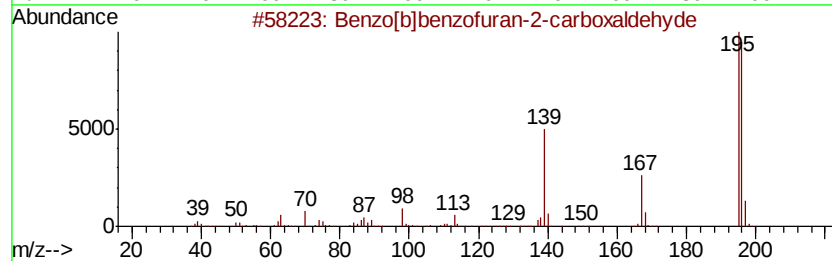
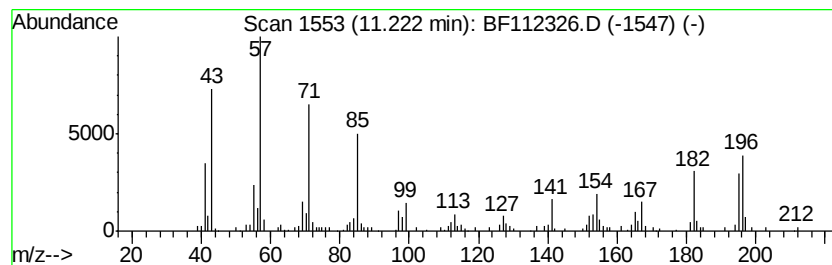
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzo[b]benzofuran-2-carbox... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.22	3.99 ng	269513	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[blbenzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	58
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
4	Tridecane	184	C13H28	000629-50-5	44
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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Acq On : 30 Jan 2019 17:18
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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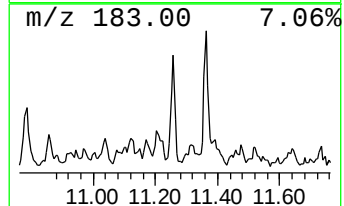
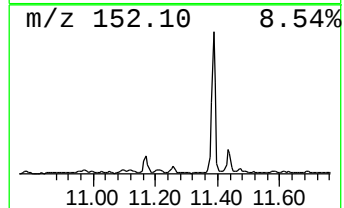
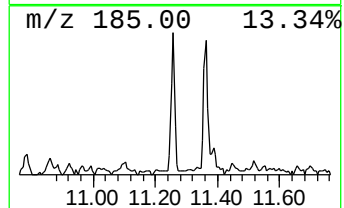
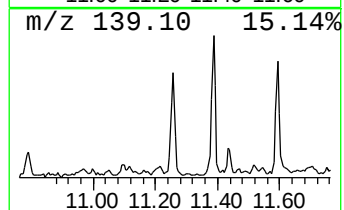
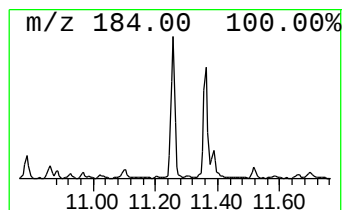
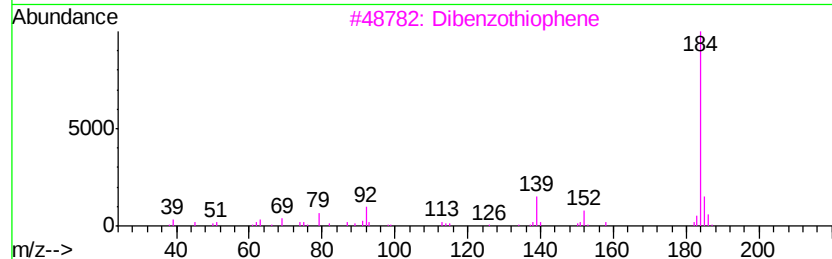
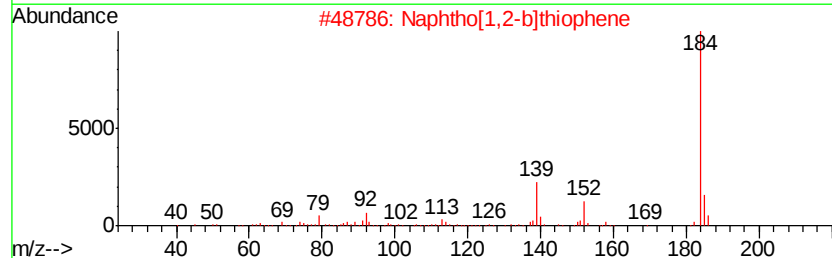
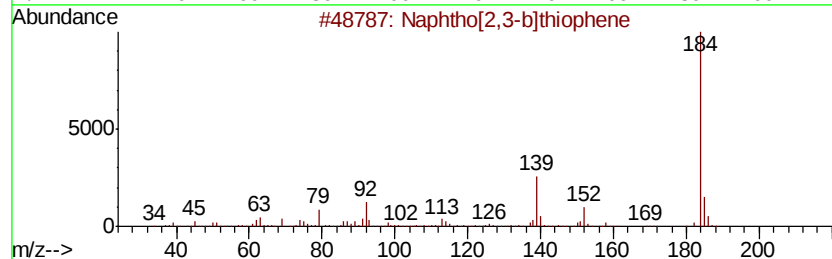
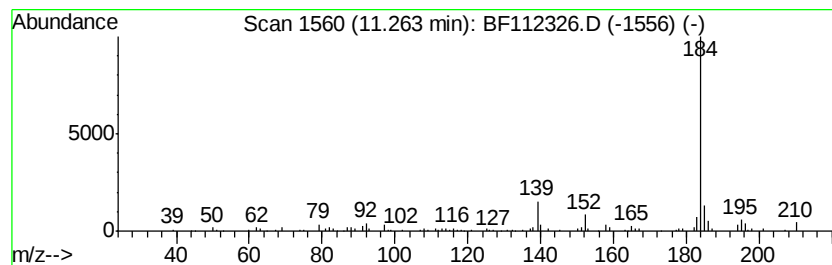
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[2,3-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.81 ng	257051	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3		Dibenzothiophene	184	C12H8S	000132-65-0	93
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



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Data File : BF112326.D
Acq On : 30 Jan 2019 17:18
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Sample : K1282-21
Misc :
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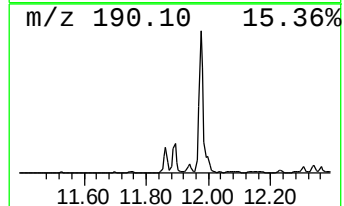
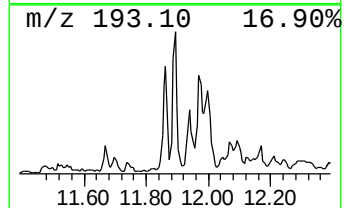
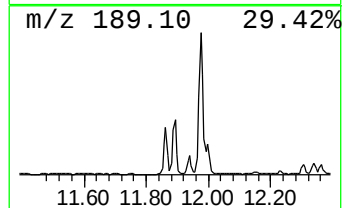
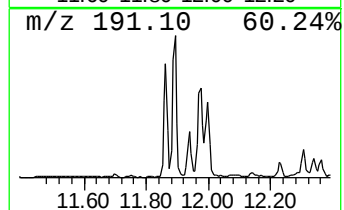
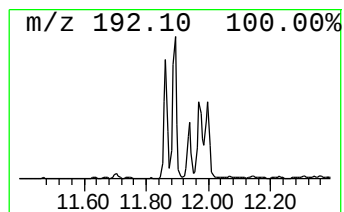
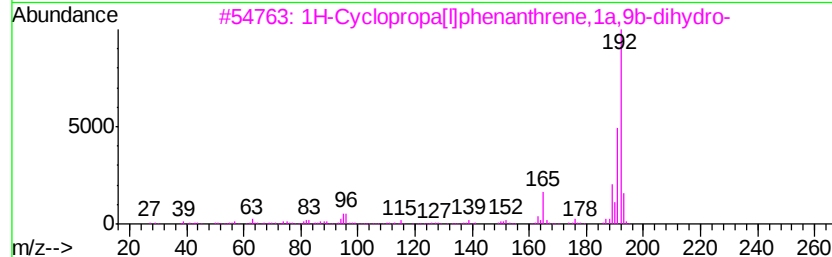
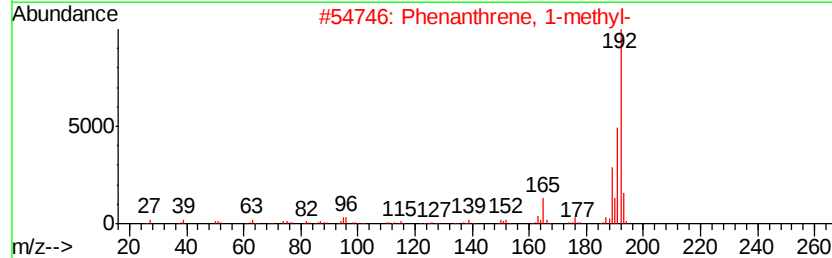
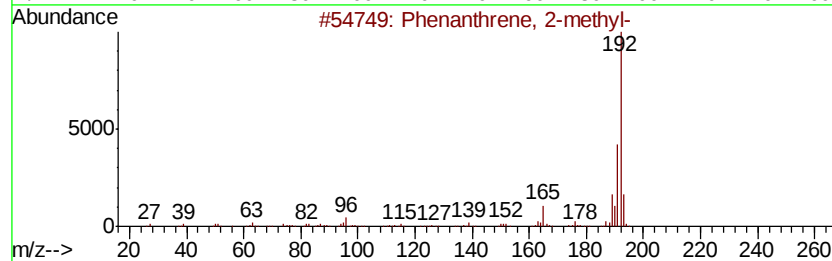
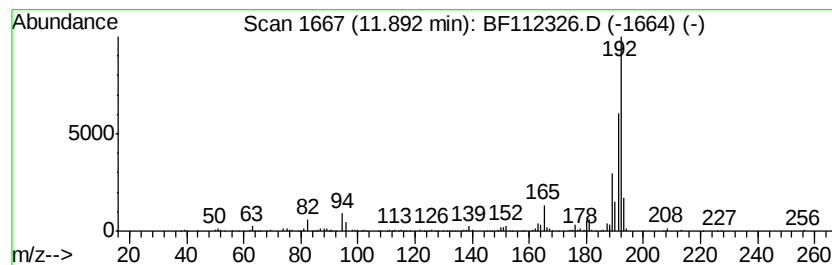
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	11.05 ng	746216	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112326.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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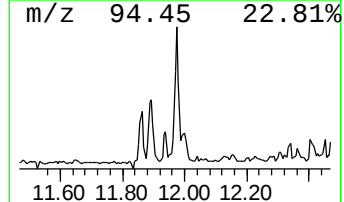
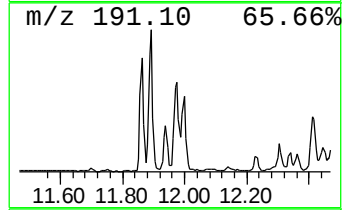
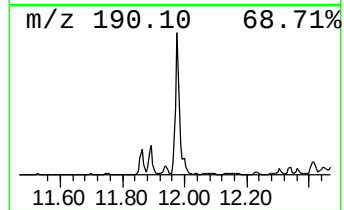
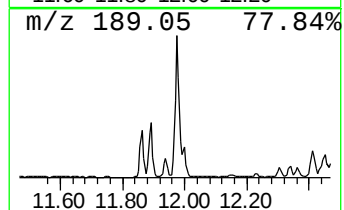
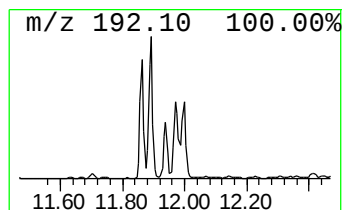
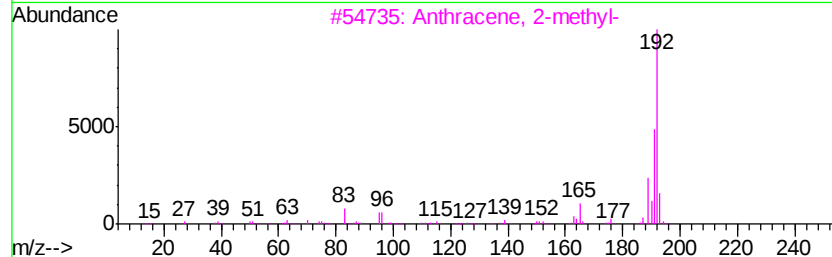
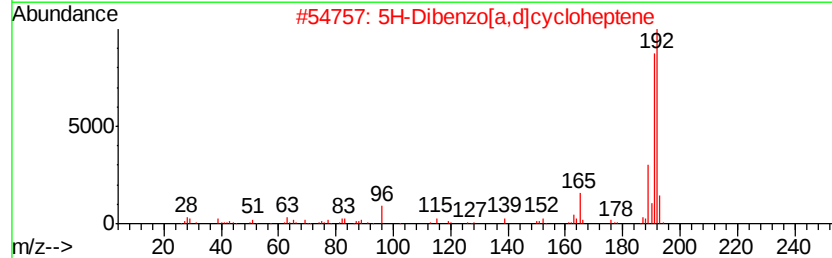
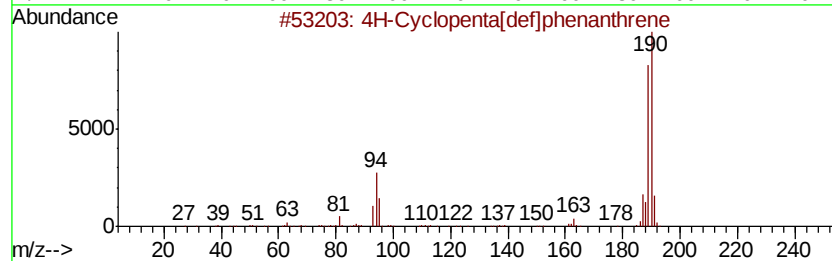
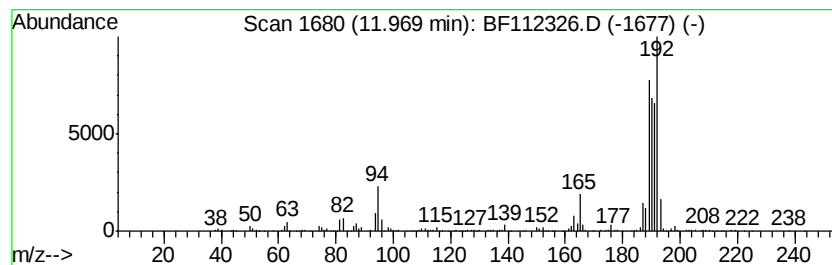
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	11.35 ng	766635	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			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4			Benzene, 1,1'-(2-cyclopropen-1-yl)-	192	C15H12	022825-21-4	22
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	20



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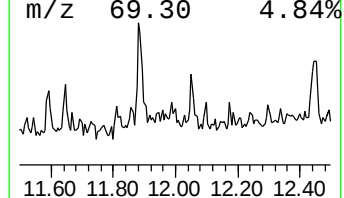
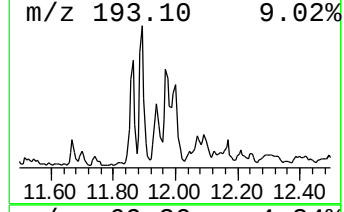
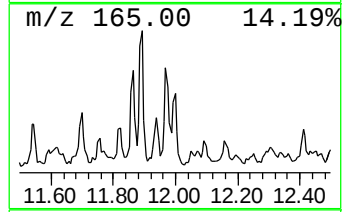
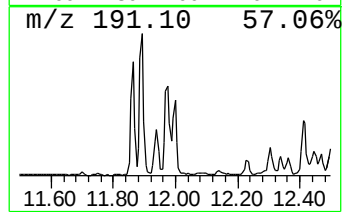
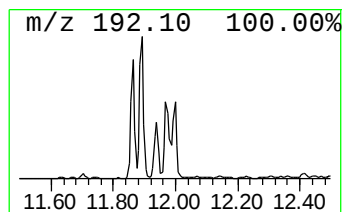
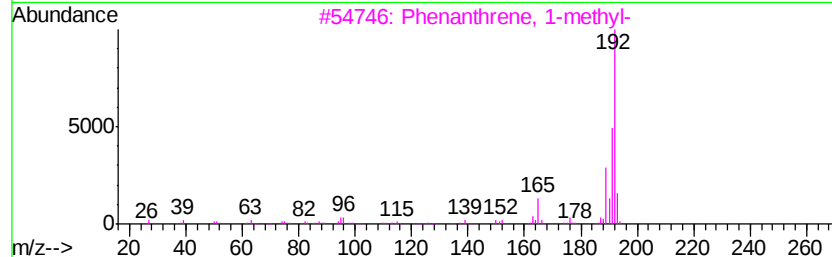
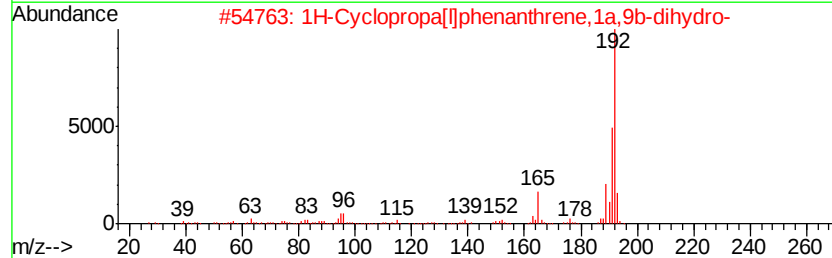
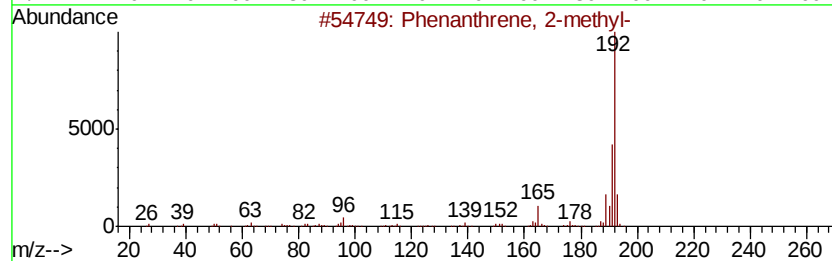
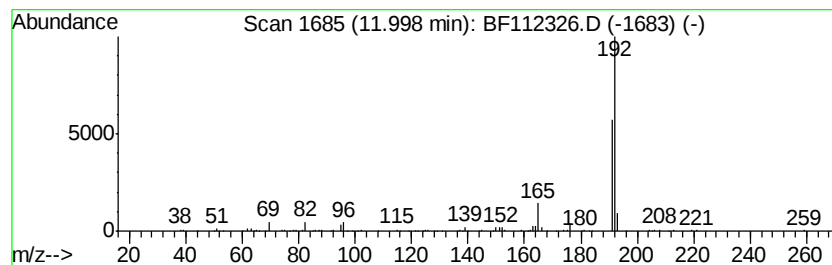
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	4.11 ng	277936	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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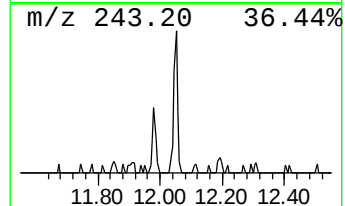
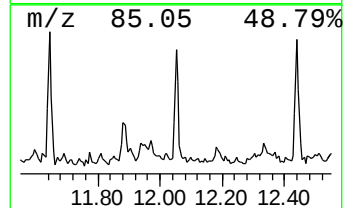
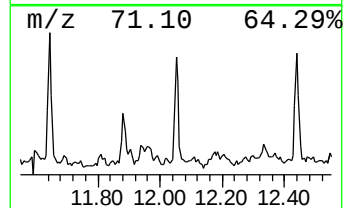
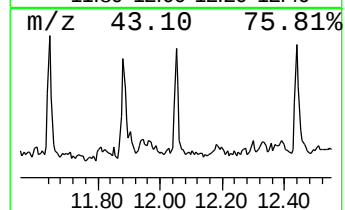
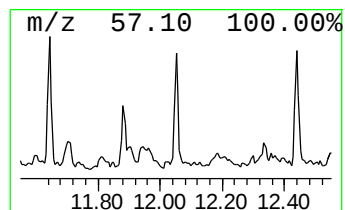
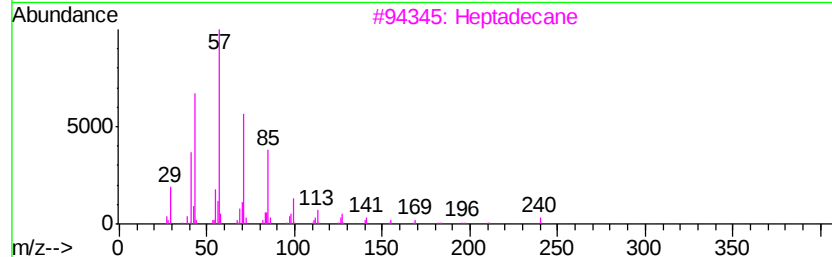
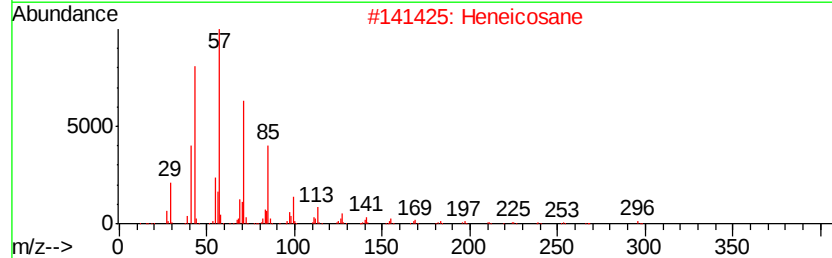
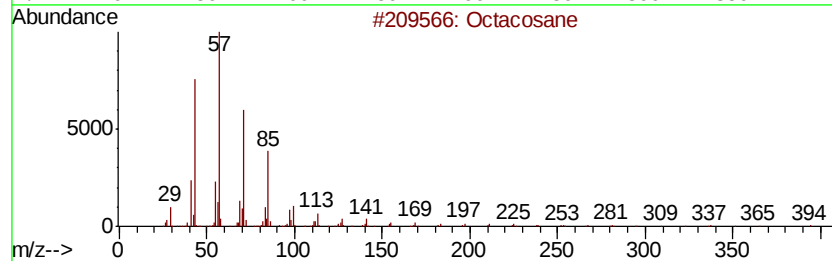
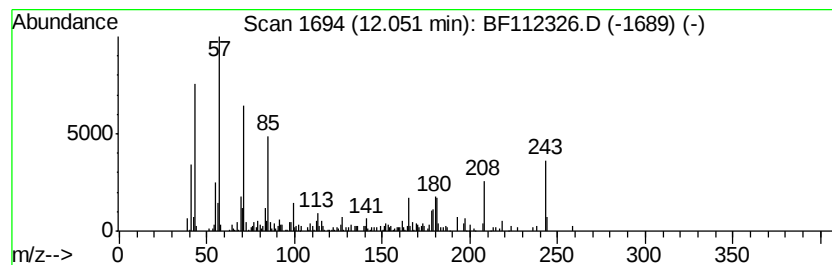
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 12 Octacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.28 ng	221500	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	46
2		Heneicosane	296	C21H44	000629-94-7	41
3		Heptadecane	240	C17H36	000629-78-7	41
4		Hexatriacontane	507	C36H74	000630-06-8	41
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112326.D
Acq On : 30 Jan 2019 17:18
Operator : JU/SJ
Sample : K1282-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

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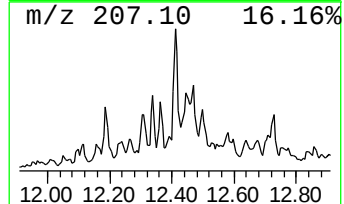
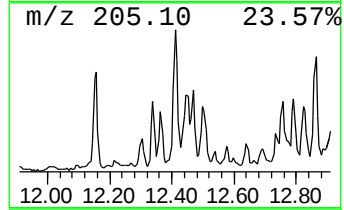
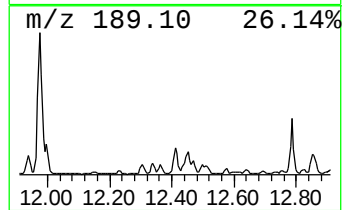
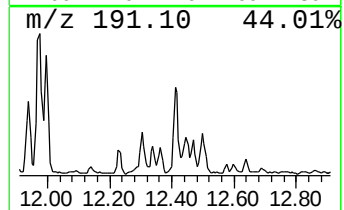
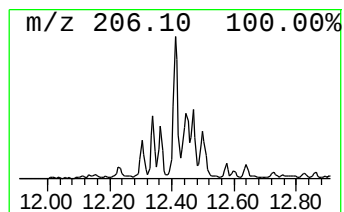
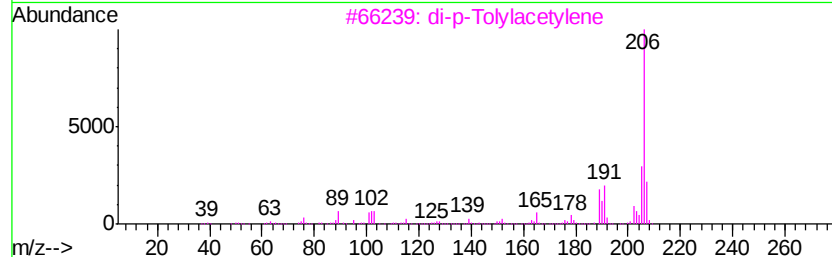
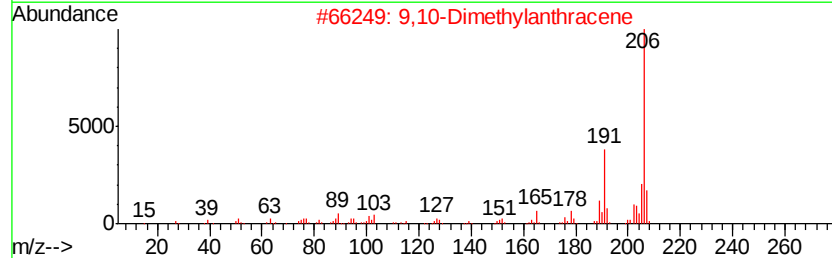
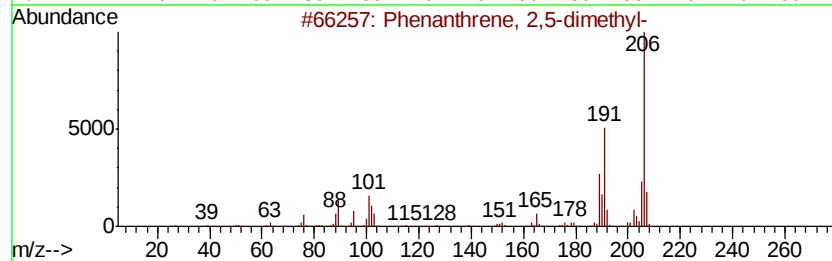
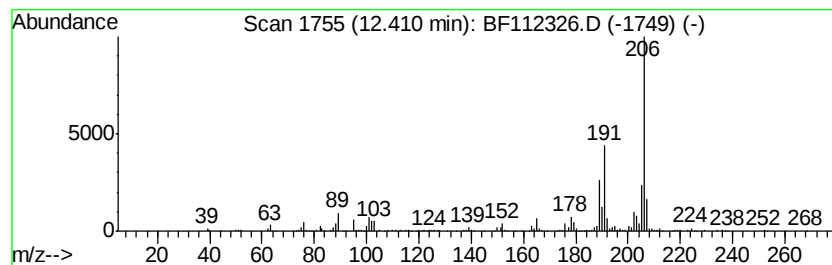
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	6.13 ng	414178	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112326.D
Acq On : 30 Jan 2019 17:18
Operator : JU/SJ
Sample : K1282-21
Misc :
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Instrument :
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ClientSampleId :
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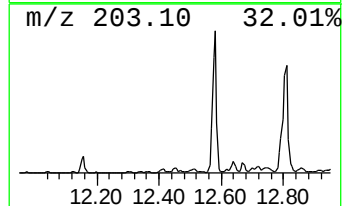
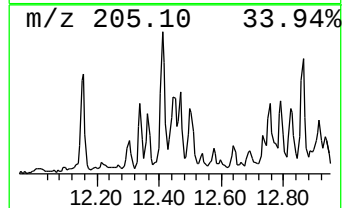
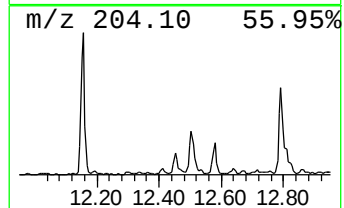
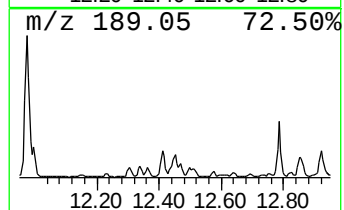
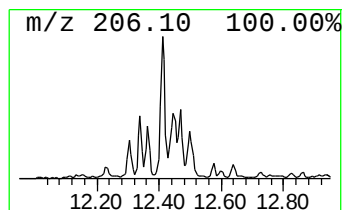
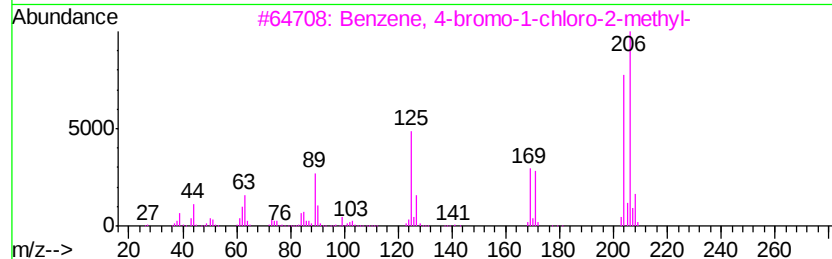
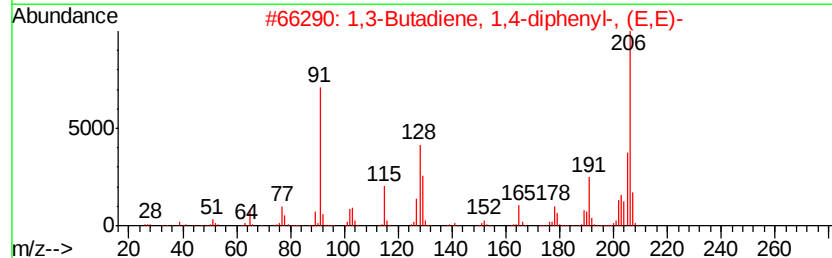
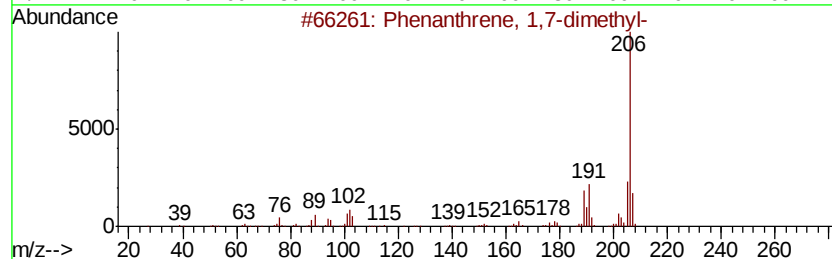
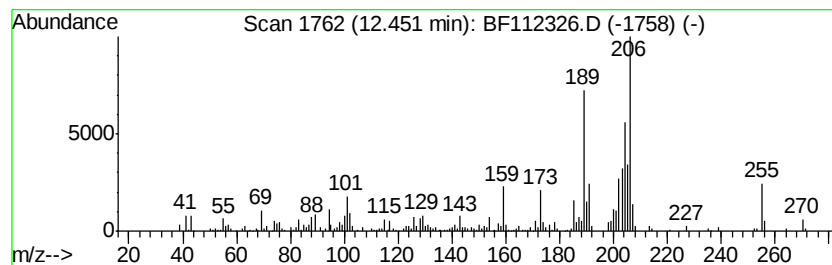
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.92 ng	399797	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	35
2		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
3		Benzene, 4-bromo-1-chloro-2-methyl-	204	C7H6BrCl	054932-72-8	30
4		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112326.D
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Operator : JU/SJ
Sample : K1282-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

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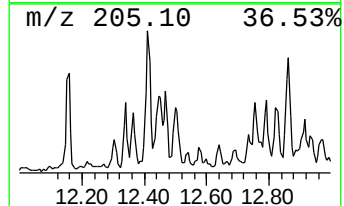
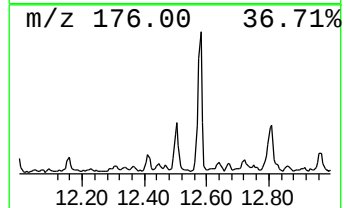
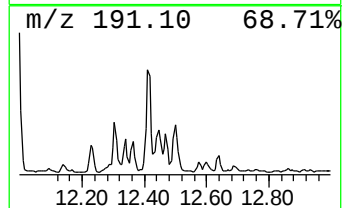
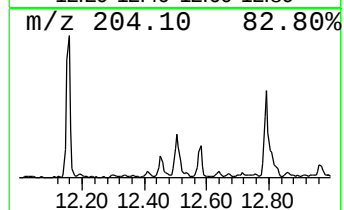
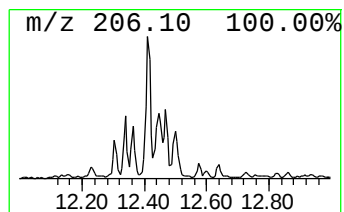
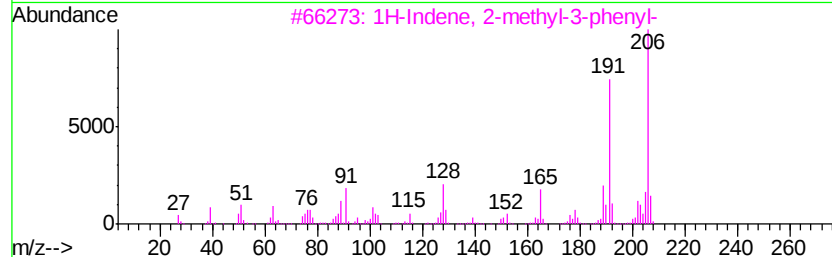
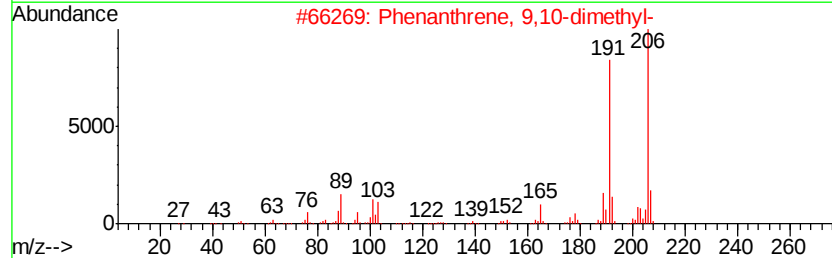
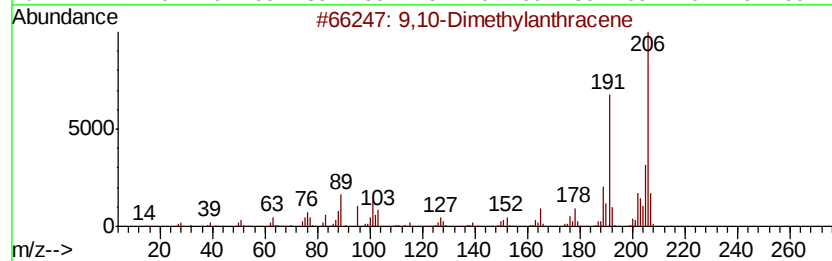
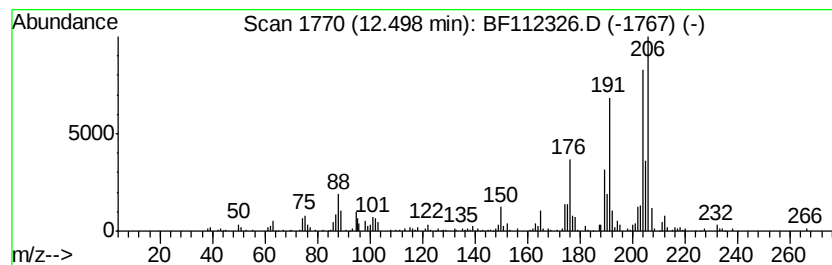
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.84 ng	259423	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
2		Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	70
3		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	60
4		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
5		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112326.D
Acq On : 30 Jan 2019 17:18
Operator : JU/SJ
Sample : K1282-21
Misc :
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ClientSampleId :
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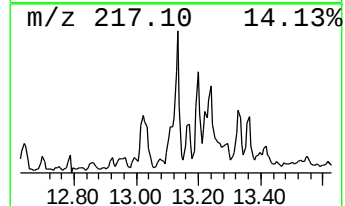
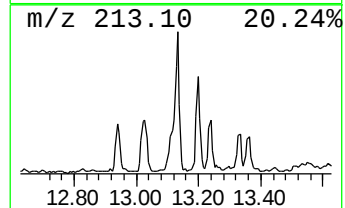
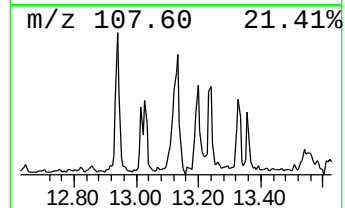
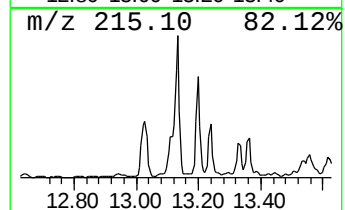
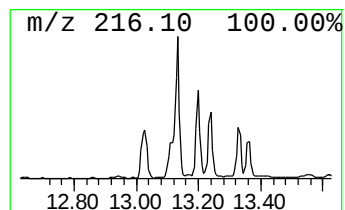
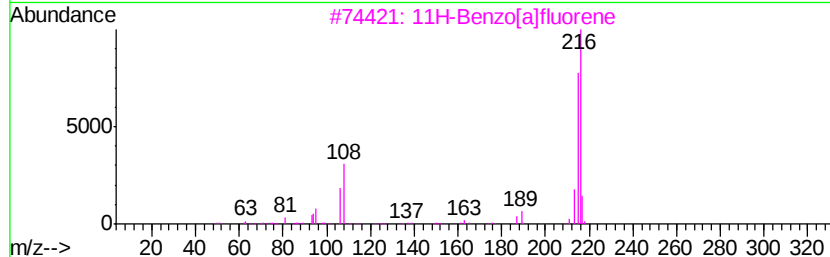
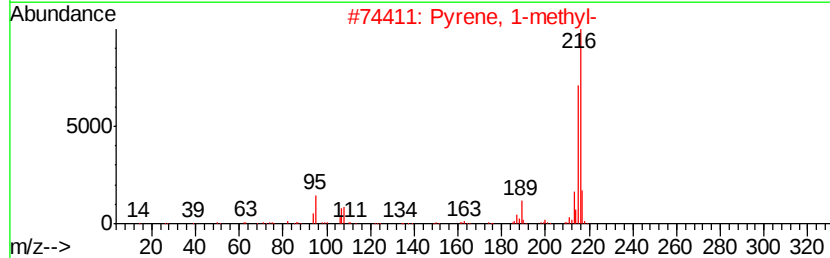
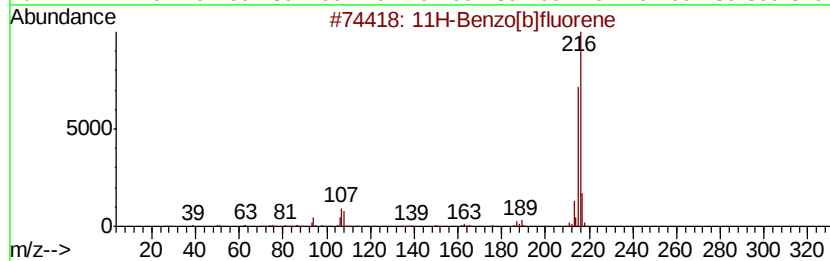
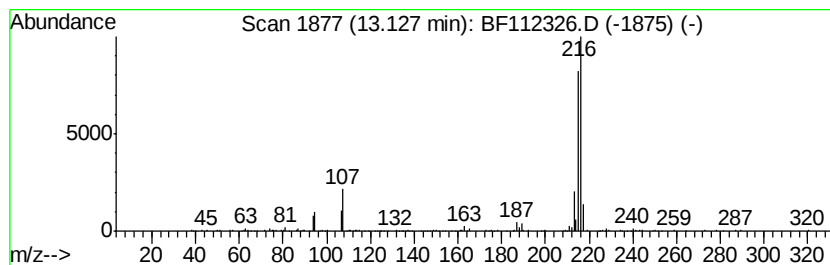
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.22 ng	470723	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112326.D
Acq On : 30 Jan 2019 17:18
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Sample : K1282-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

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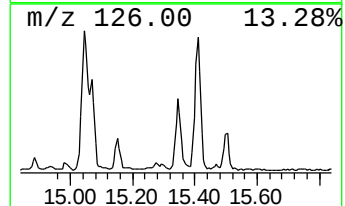
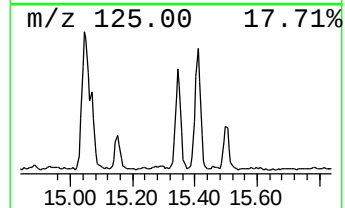
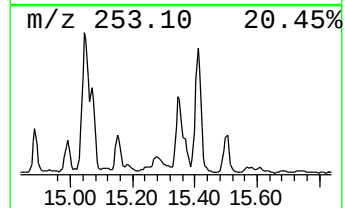
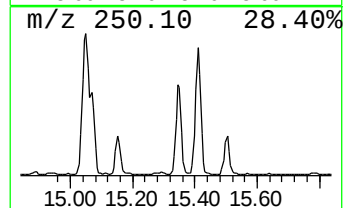
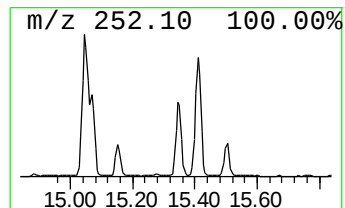
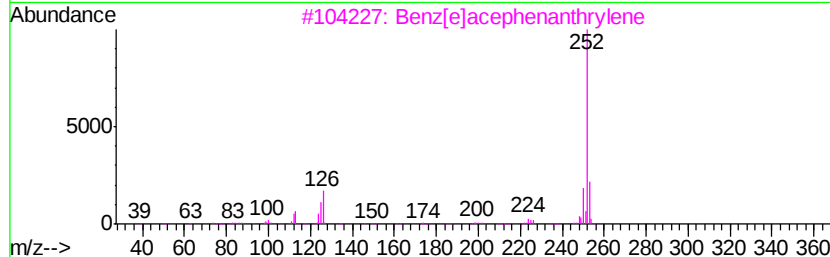
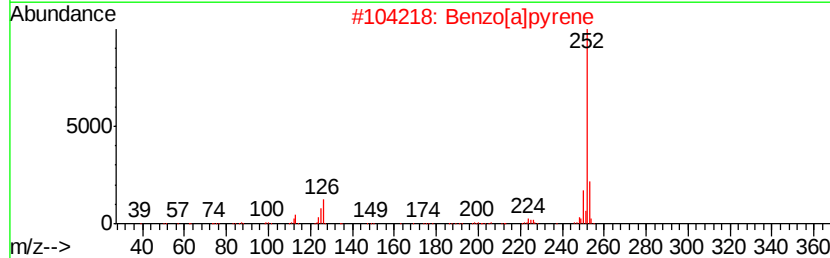
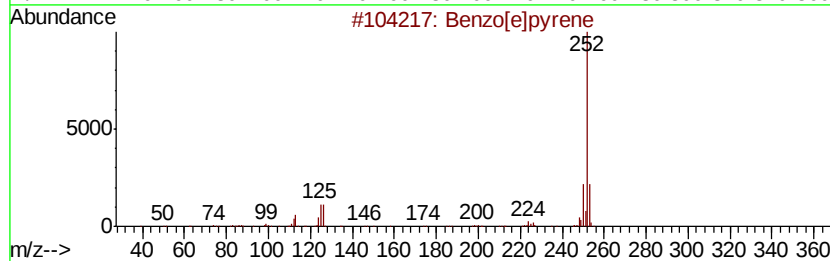
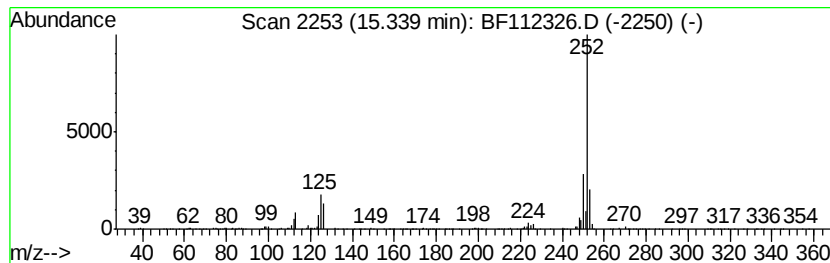
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	14.52 ng	809126	Perylene-d12	15.47

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
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Acq On : 30 Jan 2019 17:18
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ALS Vial : 8 Sample Multiplier: 1

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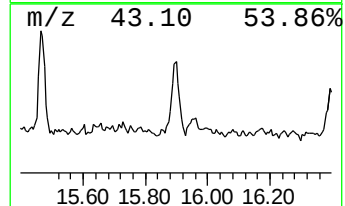
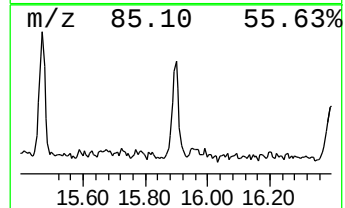
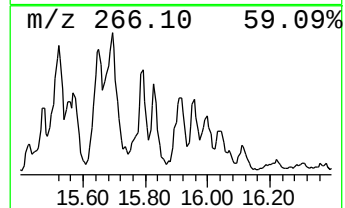
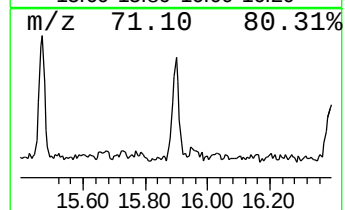
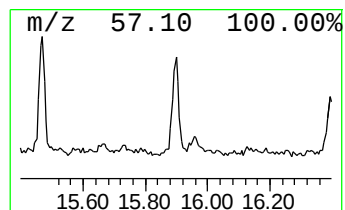
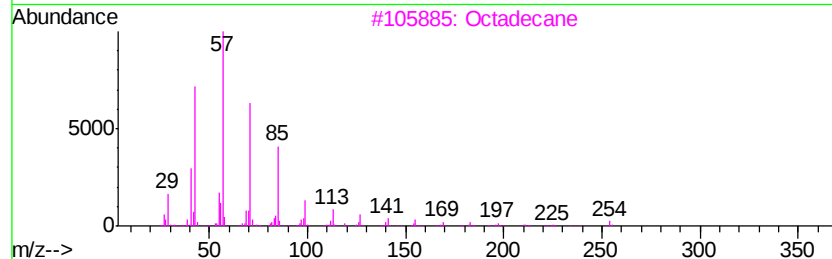
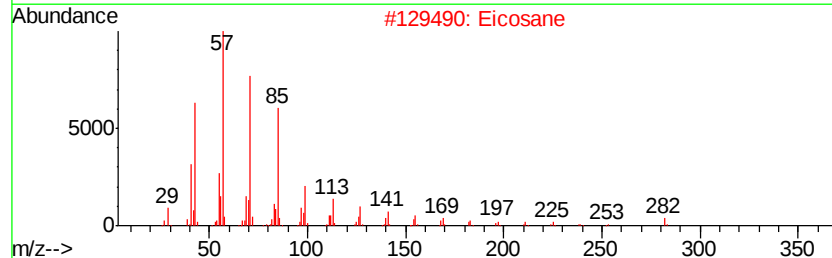
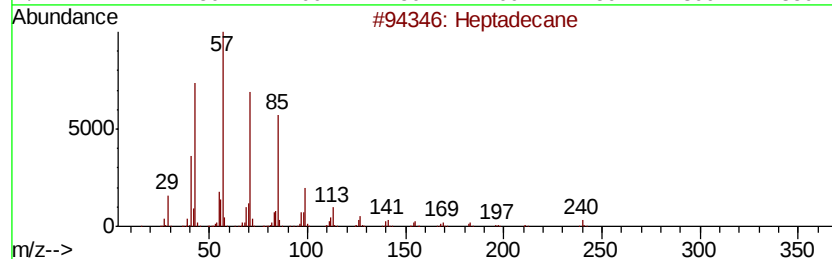
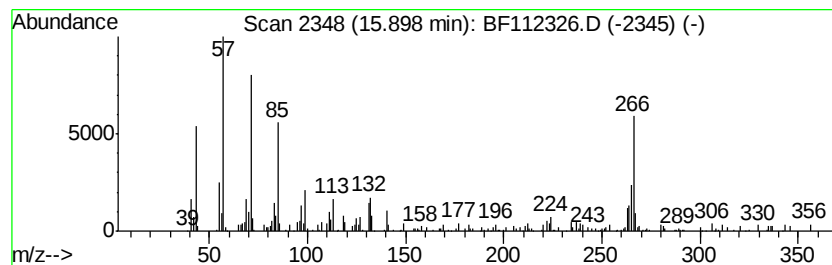
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	3.18 ng	177015	Perylene-d12	15.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	70
2	Eicosane		282	C20H42	000112-95-8	70
3	Octadecane		254	C18H38	000593-45-3	55
4	Tridecane, 6-propyl-		226	C16H34	055045-10-8	55
5	2-Bromo dodecane		248	C12H25Br	013187-99-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112326.D
 Acq On : 30 Jan 2019 17:18
 Operator : JU/SJ
 Sample : K1282-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

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
Butane, 2-methoxy...	2.13	3.4	ng	163139	1	6.84	972989	20.0
2-Pentanone, 4-hy...	5.06	3.8	ng	186752	1	6.84	972989	20.0
unknown6.62	6.62	69.0	ng	3358400	1	6.84	972989	20.0
1,1'-Biphenyl, 2-...	10.79	4.0	ng	267101	4	11.36	1351120	20.0
Benzo[b]benzofura...	11.22	4.0	ng	269513	4	11.36	1351120	20.0
Naphtho[2,3-b]thi...	11.26	3.8	ng	257051	4	11.36	1351120	20.0
Phenanthrene, 1-m...	11.89	11.1	ng	746216	4	11.36	1351120	20.0
4H-Cyclopenta[def...	11.97	11.4	ng	766635	4	11.36	1351120	20.0
Phenanthrene, 2-m...	12.00	4.1	ng	277936	4	11.36	1351120	20.0
Octacosane	12.05	3.3	ng	221500	4	11.36	1351120	20.0
Phenanthrene, 2,5...	12.41	6.1	ng	414178	4	11.36	1351120	20.0
unknown12.45	12.45	5.9	ng	399797	4	11.36	1351120	20.0
9,10-Dimethylanth...	12.50	3.8	ng	259423	4	11.36	1351120	20.0
11H-Benzo[b]fluorene	13.13	3.2	ng	470723	5	14.00	2919330	20.0
Benzo[e]pyrene	15.34	14.5	ng	809126	6	15.47	1114450	20.0
Heptadecane	15.90	3.2	ng	177015	6	15.47	1114450	20.0