

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101602.D
 Acq On : 21 Dec 2017 13:08
 Operator : SJ/JU
 Sample : I6961-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-3DS(0-5)

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:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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	5.022	496	499	514	rBV	162169	279126	7.95%	0.523%
2	5.416	563	566	586	rVV	2828687	3359757	95.73%	6.294%
3	6.439	736	740	758	rBV	2963153	3509448	100.00%	6.575%
4	6.569	758	762	768	rVV	3361942	3183001	90.70%	5.963%
5	6.616	768	770	777	rVB2	72652	77125	2.20%	0.144%
6	6.792	797	800	808	rBV	908494	907779	25.87%	1.701%
7	6.951	823	827	841	rVB	2686569	2574397	73.36%	4.823%
8	7.363	893	897	914	rBV	1999594	2290640	65.27%	4.291%
9	8.075	1015	1018	1025	rBV	1215274	1268587	36.15%	2.377%
10	8.486	1084	1088	1093	rBV	84153	88746	2.53%	0.166%
11	8.633	1110	1113	1115	rBV	260528	228898	6.52%	0.429%
12	8.651	1115	1116	1121	rVB	94213	80970	2.31%	0.152%
13	8.792	1137	1140	1146	rVB	173772	156437	4.46%	0.293%
14	8.892	1152	1157	1163	rBV	154803	167480	4.77%	0.314%
15	9.151	1196	1201	1204	rBV	3670147	3385050	96.46%	6.341%
16	9.222	1209	1213	1216	rVV	98336	92820	2.64%	0.174%
17	9.416	1243	1246	1251	rBV	89049	127773	3.64%	0.239%
18	9.492	1255	1259	1261	rVV	166318	182871	5.21%	0.343%
19	9.522	1261	1264	1265	rVV	117331	121005	3.45%	0.227%
20	9.545	1265	1268	1274	rVV	564292	550479	15.69%	1.031%
21	9.610	1275	1279	1287	rVB2	91689	144911	4.13%	0.271%
22	9.692	1290	1293	1297	rVV	95434	100975	2.88%	0.189%
23	9.745	1300	1302	1305	rVB	100426	82121	2.34%	0.154%
24	9.833	1310	1317	1320	rVV	1261040	1240128	35.34%	2.323%
25	9.863	1320	1322	1326	rVV	255782	232303	6.62%	0.435%
26	9.933	1330	1334	1338	rBV3	54367	81021	2.31%	0.152%
27	10.039	1347	1352	1355	rVV2	169766	198544	5.66%	0.372%
28	10.074	1355	1358	1361	rVB3	96284	97813	2.79%	0.183%
29	10.145	1367	1370	1373	rBV	83353	87378	2.49%	0.164%
30	10.245	1381	1387	1391	rBV3	159626	237544	6.77%	0.445%
31	10.380	1404	1410	1416	rBV2	255318	287709	8.20%	0.539%
32	10.463	1422	1424	1427	rVB2	111498	98966	2.82%	0.185%
33	10.545	1435	1438	1441	rVB	945800	816717	23.27%	1.530%
34	10.627	1448	1452	1458	rBV	1609824	1647635	46.95%	3.087%

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35	10.727	1465	1469	1478	rVB2	233974	360829	10.28%	0.676%
36	10.927	1497	1503	1506	rBV2	104444	166976	4.76%	0.313%
37	10.957	1506	1508	1511	rVV2	86487	85544	2.44%	0.160%
38	11.057	1520	1525	1527	rVV3	79499	129380	3.69%	0.242%
39	11.074	1527	1528	1534	rVV	83140	99972	2.85%	0.187%
40	11.139	1534	1539	1541	rVV	146460	164470	4.69%	0.308%
41	11.169	1541	1544	1547	rVV2	195404	220131	6.27%	0.412%
42	11.221	1550	1553	1561	rVB	179272	187389	5.34%	0.351%
43	11.321	1566	1570	1572	rBV	1235211	1119004	31.89%	2.096%
44	11.345	1572	1574	1578	rVB	2089201	1803140	51.38%	3.378%
45	11.398	1578	1583	1588	rBV	464726	411721	11.73%	0.771%
46	11.563	1606	1611	1614	rBV2	165262	214041	6.10%	0.401%
47	11.592	1614	1616	1618	rVV2	125073	106472	3.03%	0.199%
48	11.651	1621	1626	1632	rVV2	94027	154881	4.41%	0.290%
49	11.733	1637	1640	1645	rVB2	62836	90359	2.57%	0.169%
50	11.821	1652	1655	1658	rBV	492559	499989	14.25%	0.937%
51	11.851	1658	1660	1665	rVV	587242	519878	14.81%	0.974%
52	11.904	1665	1669	1671	rVV	173694	164364	4.68%	0.308%
53	11.933	1671	1674	1677	rVV2	543032	625231	17.82%	1.171%
54	11.957	1677	1678	1683	rVB	346474	240126	6.84%	0.450%
55	11.998	1683	1685	1688	rBV2	103463	96174	2.74%	0.180%
56	12.116	1702	1705	1710	rBV	258841	251065	7.15%	0.470%
57	12.163	1710	1713	1716	rVV2	159727	152891	4.36%	0.286%
58	12.268	1728	1731	1734	rVB	96052	79756	2.27%	0.149%
59	12.374	1745	1749	1753	rBV2	301507	421945	12.02%	0.790%
60	12.410	1753	1755	1757	rVV2	108124	111137	3.17%	0.208%
61	12.457	1761	1763	1764	rBV	99328	84234	2.40%	0.158%
62	12.474	1764	1766	1773	rVB	154163	176865	5.04%	0.331%
63	12.539	1773	1777	1781	rBV	1923710	1714054	48.84%	3.211%
64	12.621	1789	1791	1799	rVB5	132234	182624	5.20%	0.342%
65	12.692	1799	1803	1805	rBV2	142984	148346	4.23%	0.278%
66	12.768	1810	1816	1821	rVB	1665929	1817628	51.79%	3.405%
67	12.821	1821	1825	1828	rVB	134807	149245	4.25%	0.280%
68	12.904	1835	1839	1842	rVV	2382311	2194416	62.53%	4.111%
69	12.939	1842	1845	1849	rVB2	73000	95314	2.72%	0.179%
70	12.992	1849	1854	1858	rBV3	164123	285162	8.13%	0.534%
71	13.098	1864	1872	1877	rVB3	245923	462089	13.17%	0.866%

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72	13.162	1880	1883	1885	rBV	114662	78509	2.24%	0.147%
73	13.204	1885	1890	1893	rBV2	207675	223124	6.36%	0.418%
74	13.292	1902	1905	1908	rBV	142478	142849	4.07%	0.268%
75	13.327	1908	1911	1914	rBV	146495	132542	3.78%	0.248%
76	13.615	1957	1960	1966	rVB	194358	208772	5.95%	0.391%
77	13.721	1972	1978	1980	rBV2	214355	265421	7.56%	0.497%
78	13.739	1980	1981	1984	rVB	152774	102106	2.91%	0.191%
79	13.780	1984	1988	1993	rBV4	342288	474992	13.53%	0.890%
80	13.827	1993	1996	2001	rVB	210756	218029	6.21%	0.408%
81	13.886	2001	2006	2009	rBV	65027	104441	2.98%	0.196%
82	13.962	2013	2019	2023	rBV2	1080261	1756295	50.04%	3.290%
83	13.998	2023	2025	2028	rVB	694371	581734	16.58%	1.090%
84	14.074	2036	2038	2041	rBV	83901	76177	2.17%	0.143%
85	14.133	2045	2048	2053	rBV4	66442	87078	2.48%	0.163%
86	14.357	2081	2086	2089	rVV	231341	249837	7.12%	0.468%
87	14.392	2089	2092	2095	rVV2	85262	97147	2.77%	0.182%
88	14.686	2139	2142	2144	rBV2	85154	117377	3.34%	0.220%
89	14.774	2155	2157	2161	rVB2	100595	104579	2.98%	0.196%
90	14.857	2168	2171	2174	rBV2	74703	84192	2.40%	0.158%
91	15.009	2193	2197	2200	rBV	673342	966747	27.55%	1.811%
92	15.115	2212	2215	2222	rVB	115895	138999	3.96%	0.260%
93	15.309	2244	2248	2255	rVB	417522	483091	13.77%	0.905%
94	15.374	2255	2259	2265	rVV	591172	707647	20.16%	1.326%
95	15.433	2265	2269	2273	rVV	615705	789630	22.50%	1.479%
96	15.468	2273	2275	2281	rVB2	150427	199252	5.68%	0.373%
97	15.880	2340	2345	2349	rBV6	64321	128195	3.65%	0.240%
98	15.998	2361	2365	2370	rVB2	58217	84667	2.41%	0.159%
99	16.903	2514	2519	2528	rVB2	275192	538597	15.35%	1.009%
100	17.350	2590	2595	2603	rBV	211038	464406	13.23%	0.870%

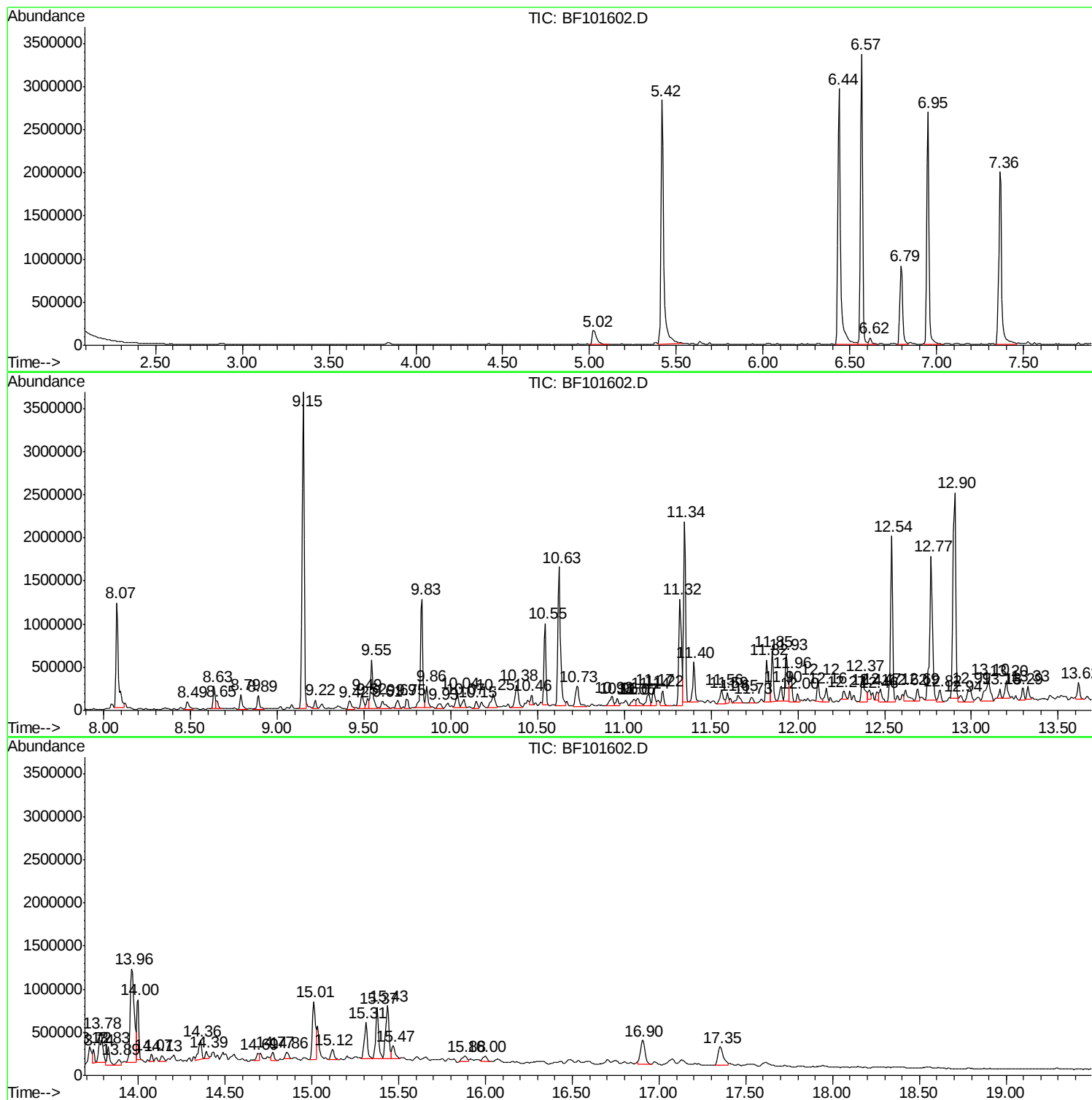
Sum of corrected areas: 53379428

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.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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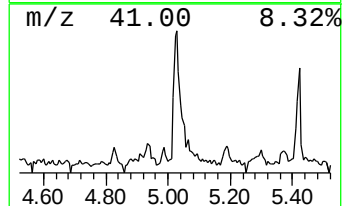
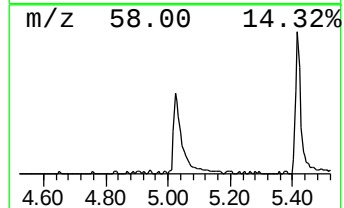
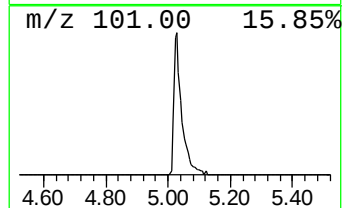
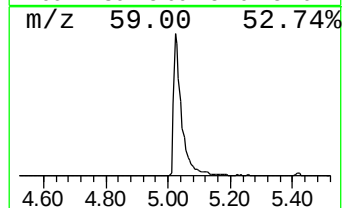
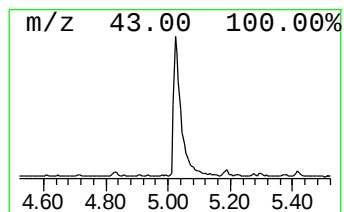
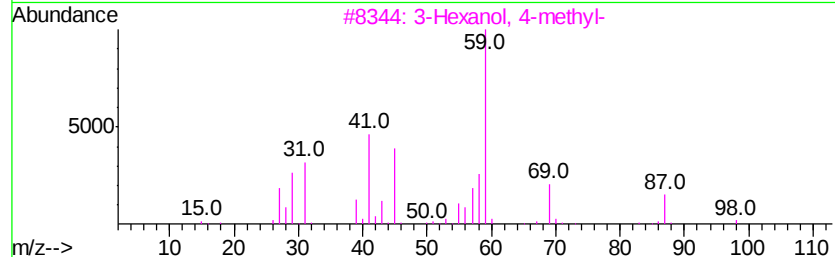
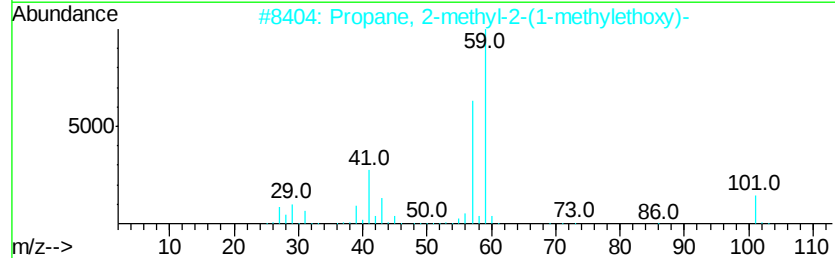
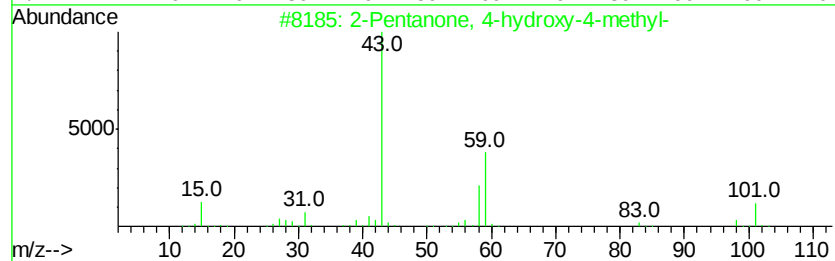
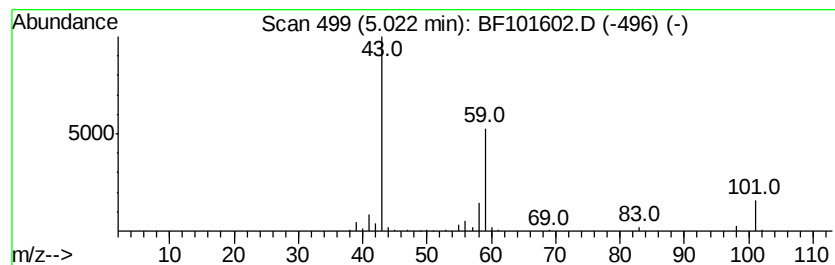
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	6.15 ng	279126	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			Silane, dimethyl-	60	C2H8Si	001111-74-6	9



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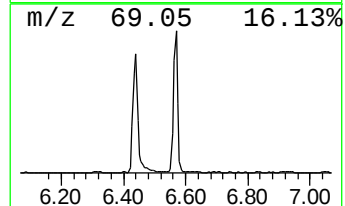
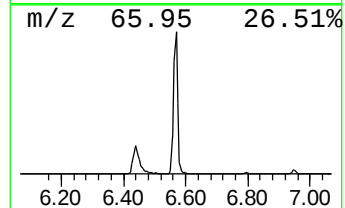
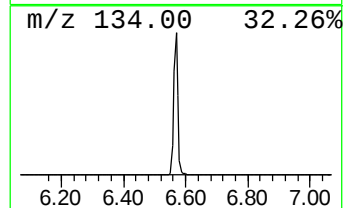
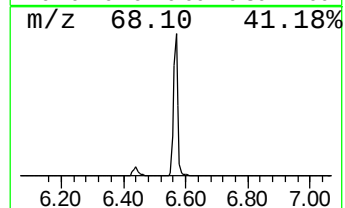
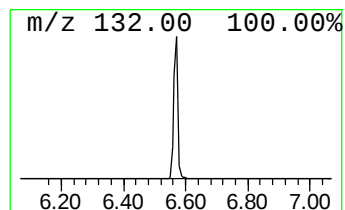
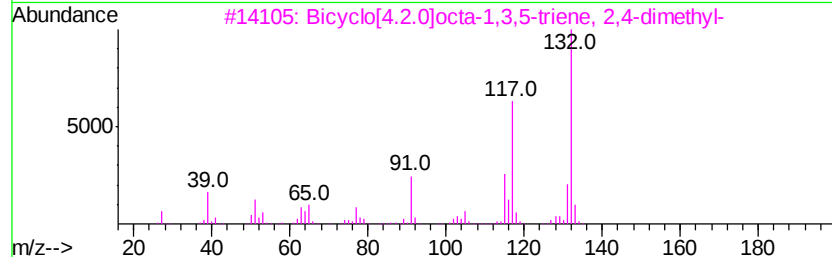
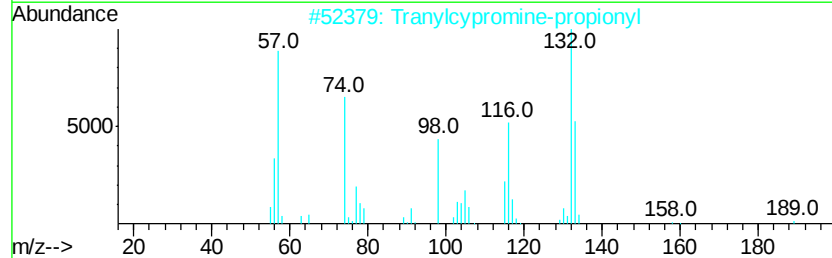
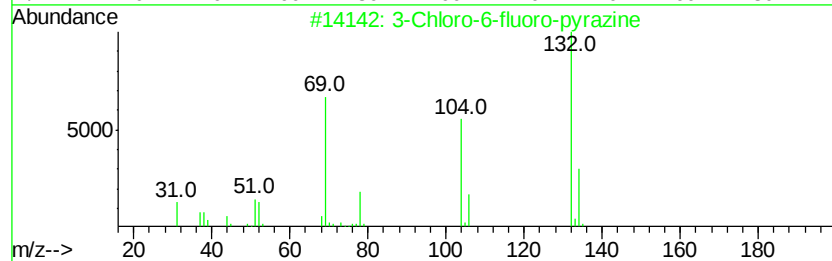
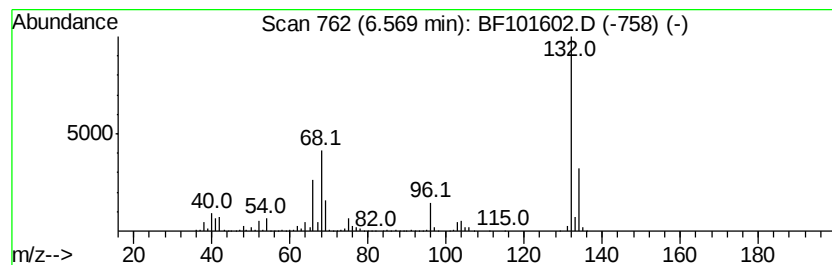
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	70.13 ng	3183000	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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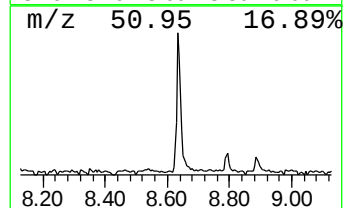
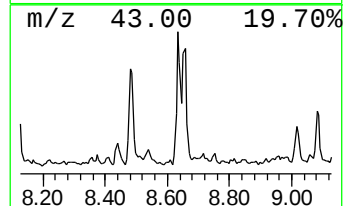
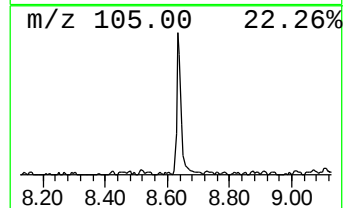
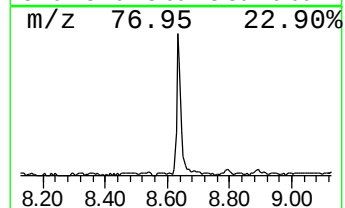
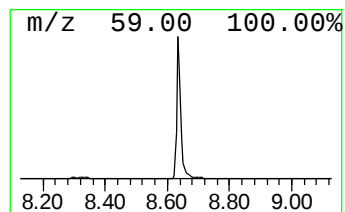
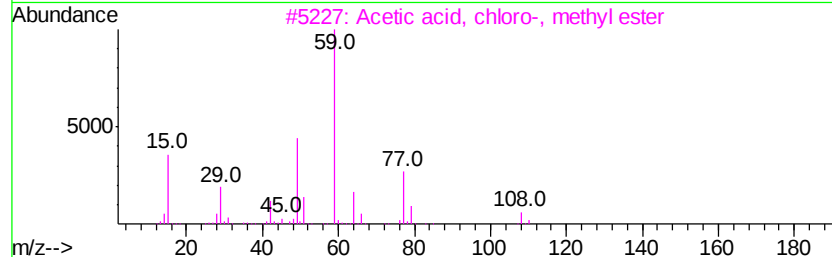
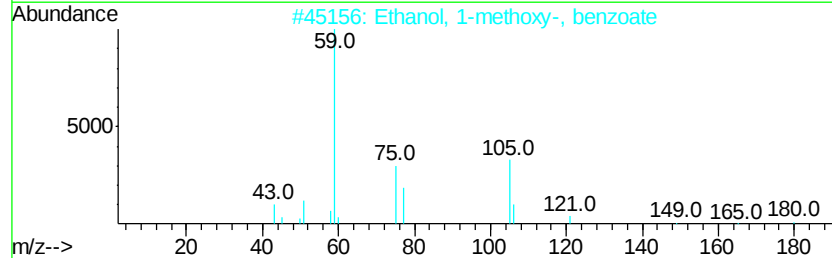
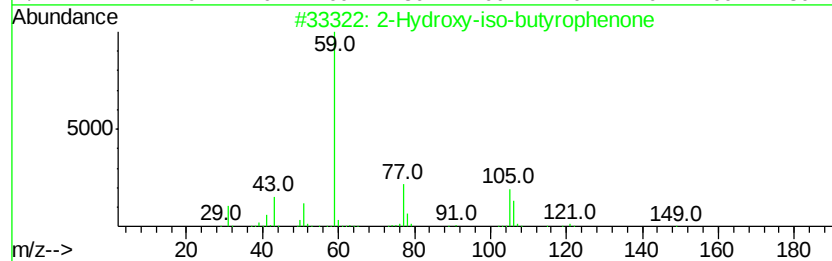
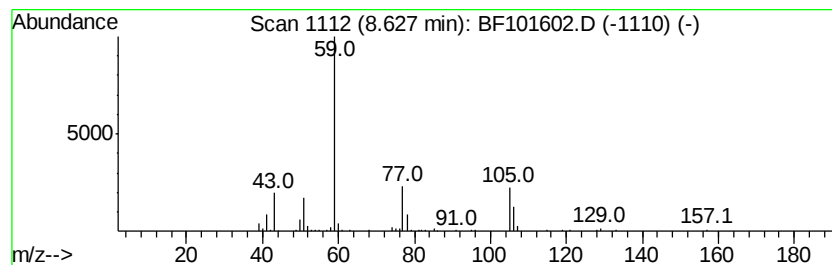
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.63	3.61 ng	228898	Napthalene-d8	8.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	90	
2	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	56	
3	Acetic acid, chloro-, methyl ester	108	C3H5ClO2	000096-34-4	9	
4	Ethanone, 2-amino-1-phenyl-	135	C8H9NO	000613-89-8	9	
5	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	9	



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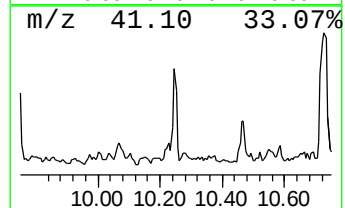
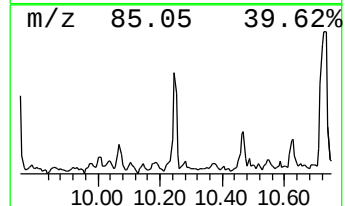
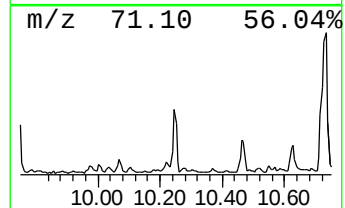
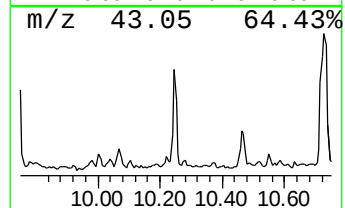
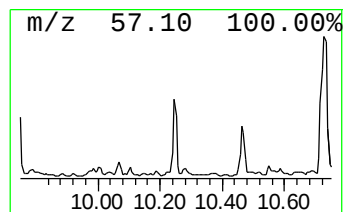
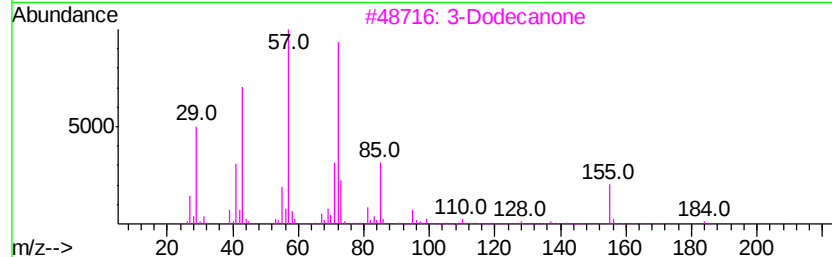
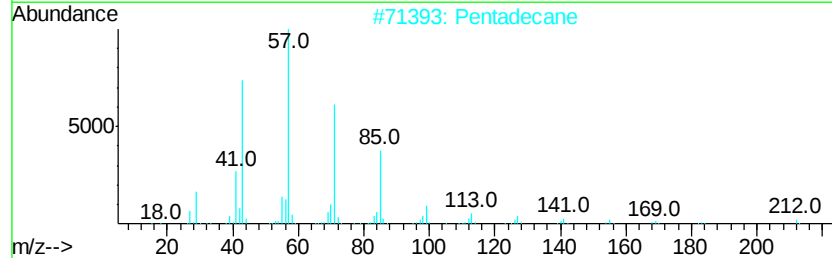
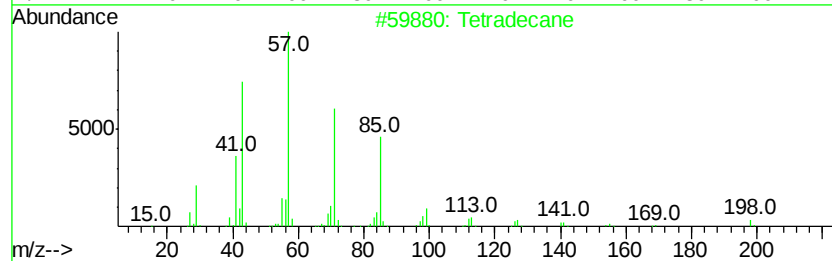
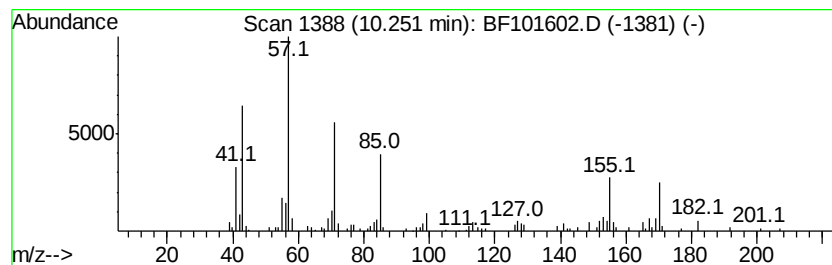
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.25	3.83 ng	237544	Acenaphthene-d10		9.83
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	58
2	Pentadecane	212	C15H32	000629-62-9	52
3	3-Dodecanone	184	C12H24O	001534-27-6	52
4	Tridecane	184	C13H28	000629-50-5	50
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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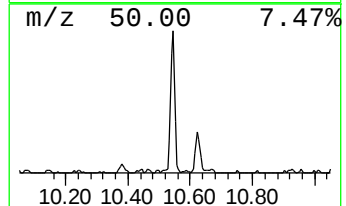
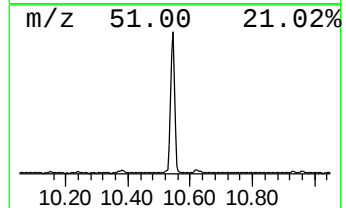
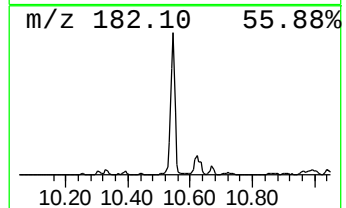
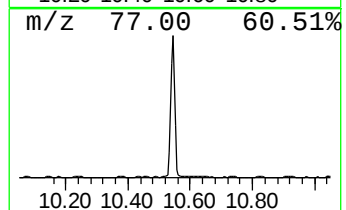
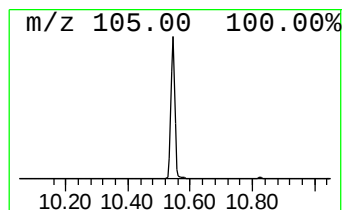
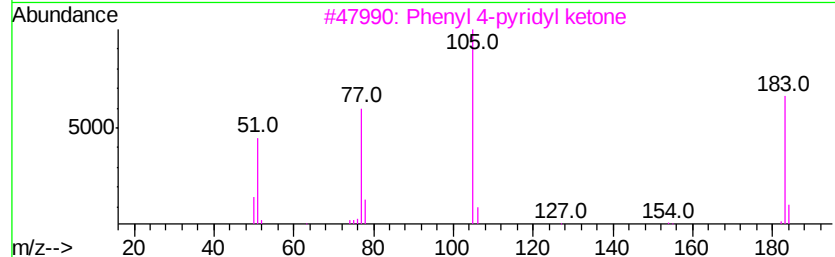
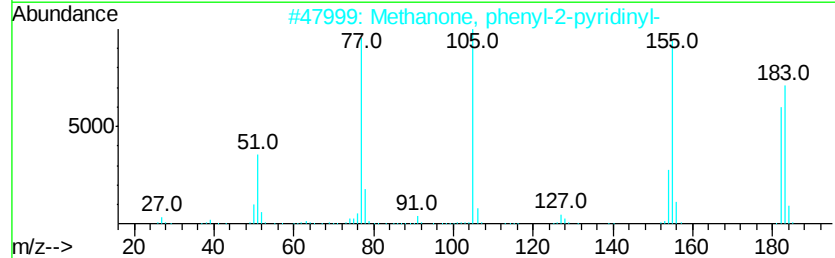
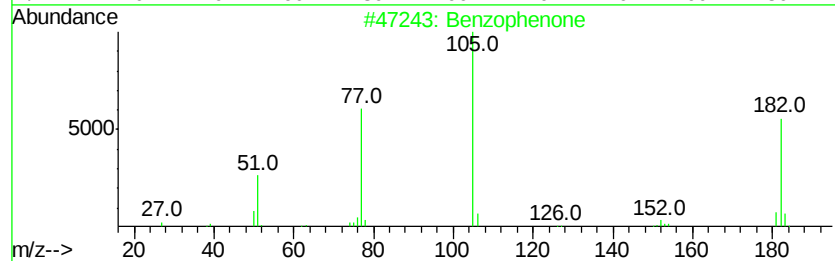
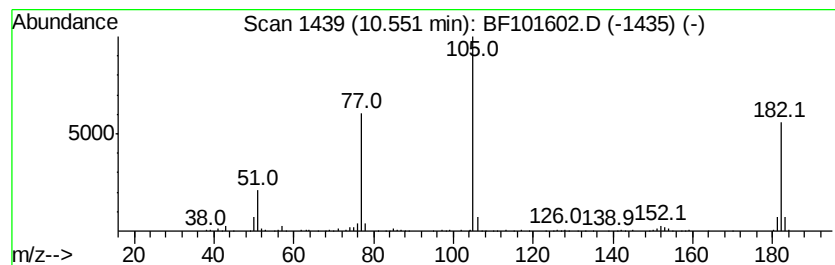
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.55	13.17 ng	816717	Acenaphthene-d10		9.83	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	72
3		Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
4		Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5		1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101602.D
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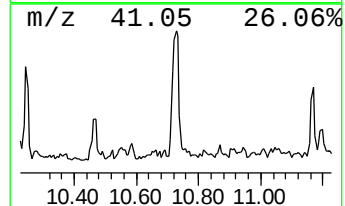
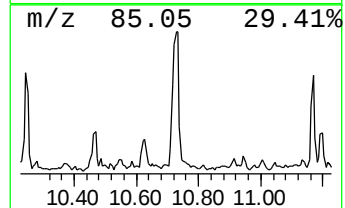
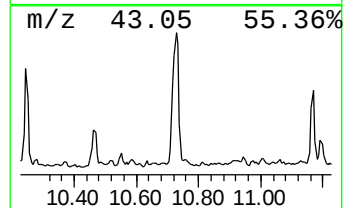
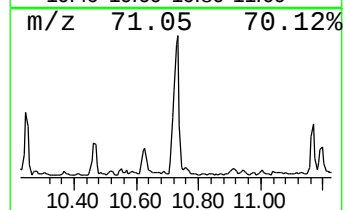
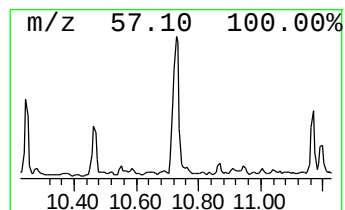
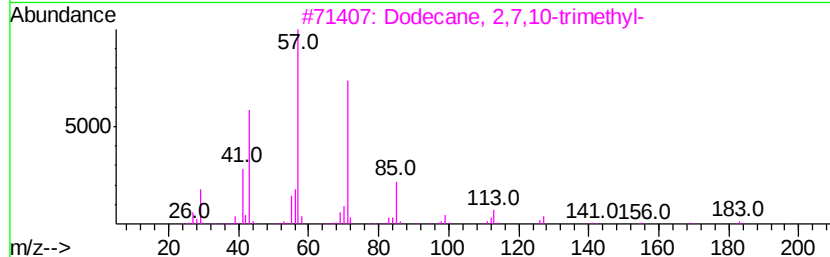
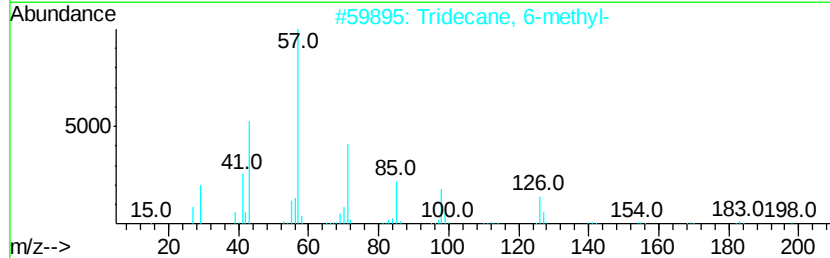
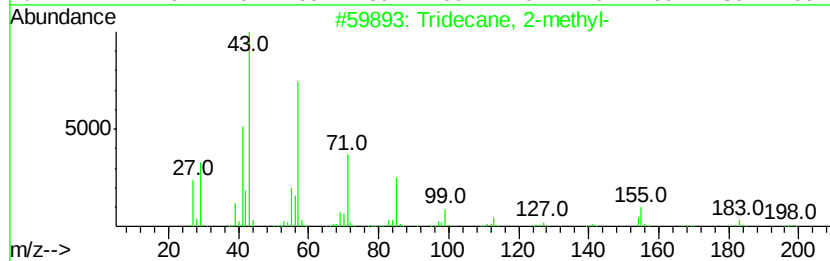
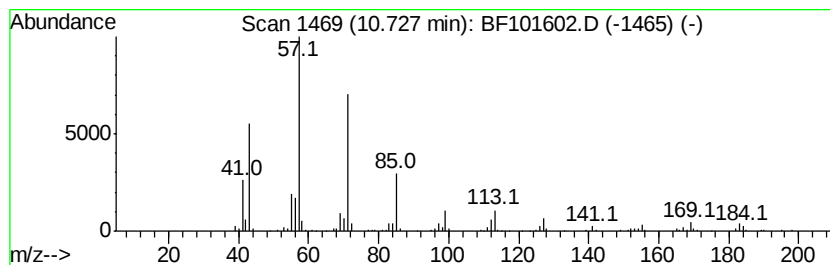
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	6.45 ng	360829	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	86
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	81
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4		Heptacosane	380	C27H56	000593-49-7	80
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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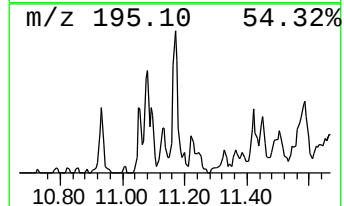
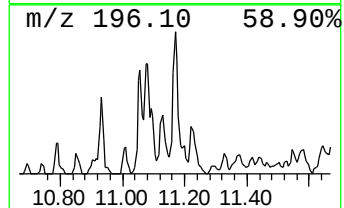
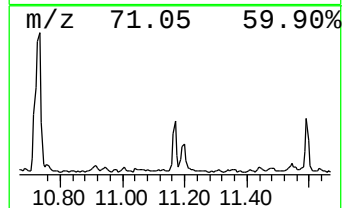
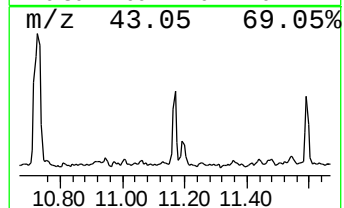
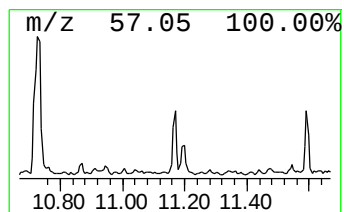
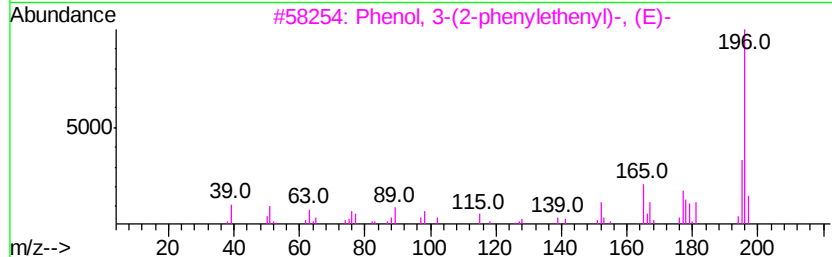
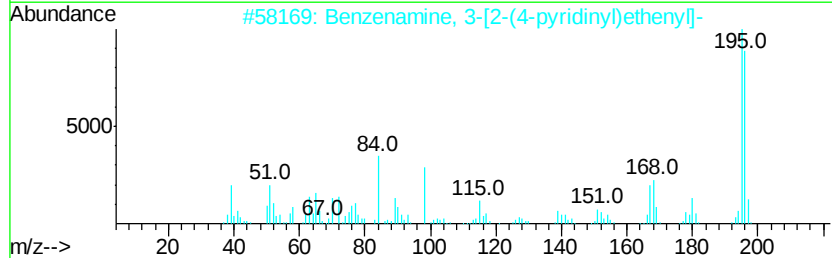
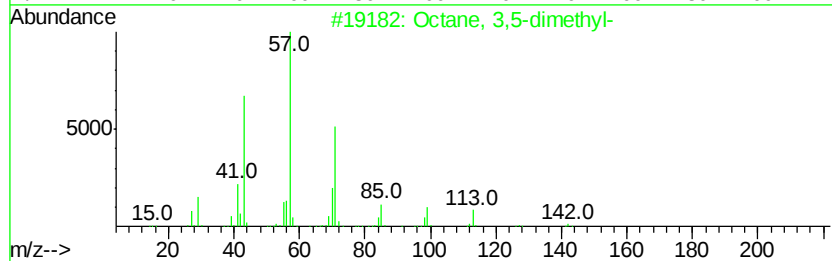
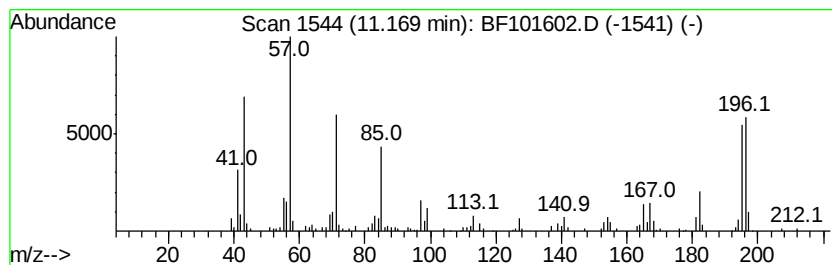
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown11.17 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	3.93 ng	220131	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	44
2		Benzenamine, 3-[2-(4-pyridinyl)ethenyl]-	196	C13H12N2	1000337-31-3	41
3		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38
4		Tetracosane	338	C24H50	000646-31-1	38
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101602.D
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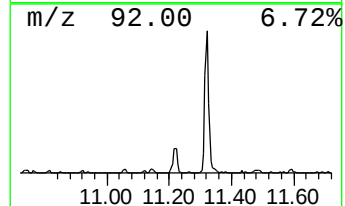
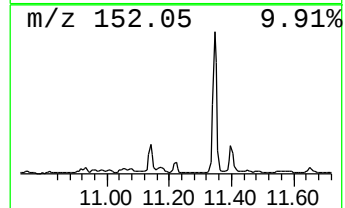
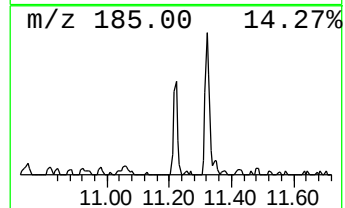
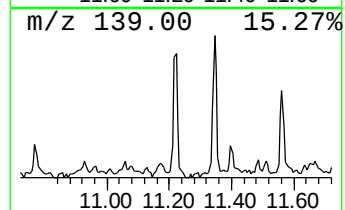
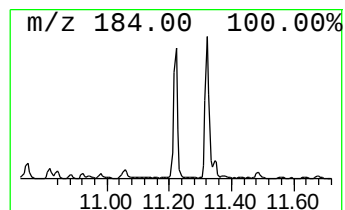
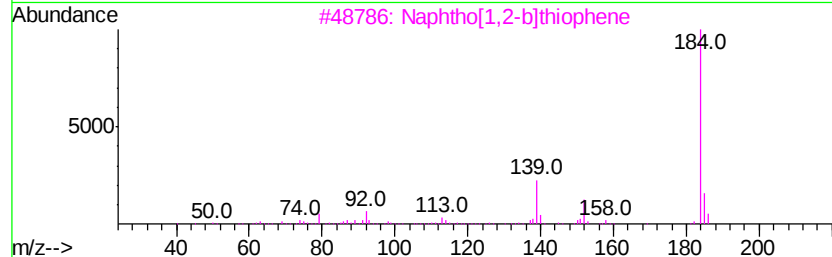
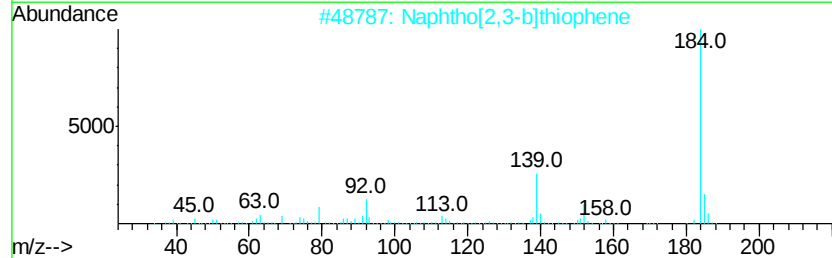
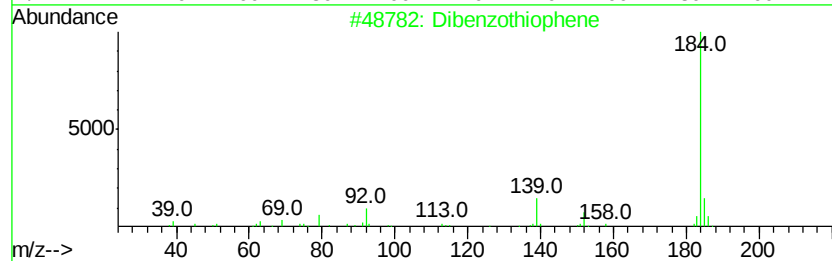
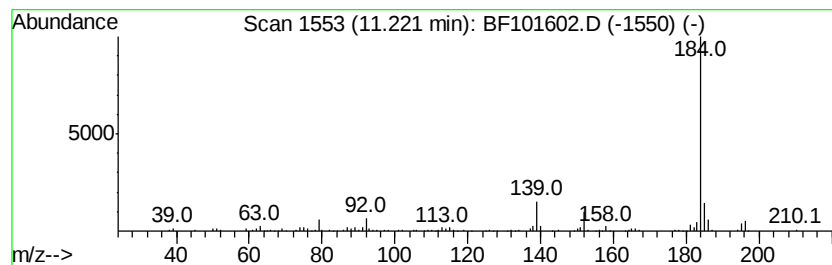
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.35 ng	187389	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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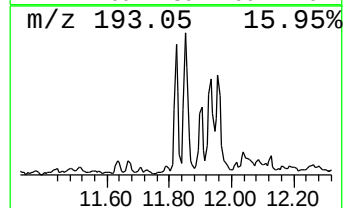
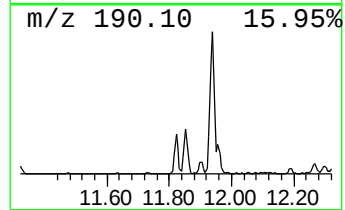
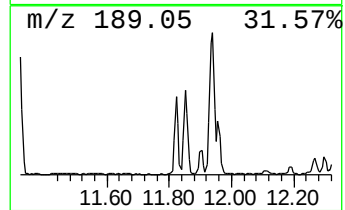
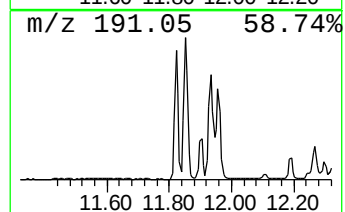
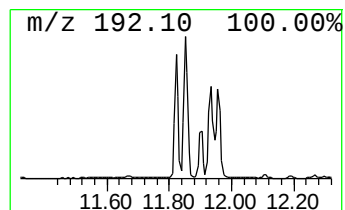
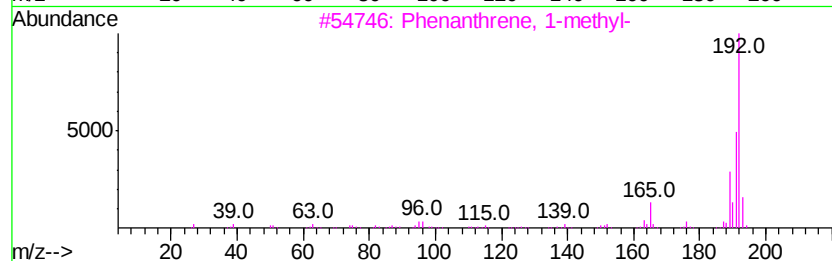
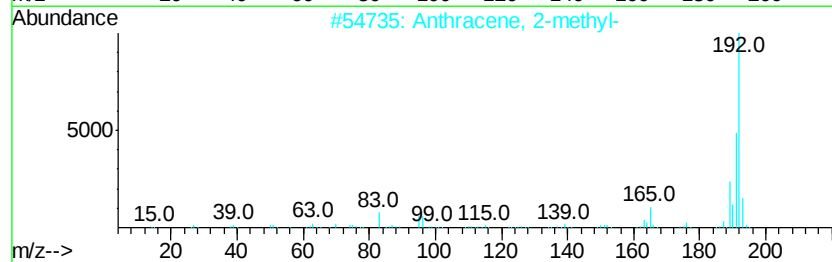
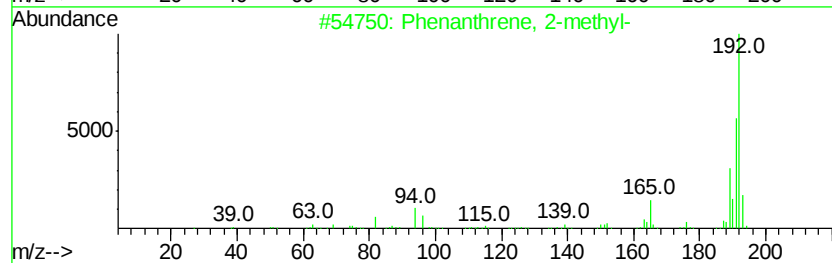
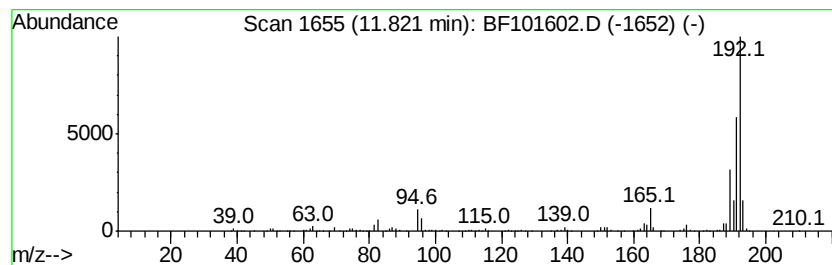
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	8.94 ng	499989	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
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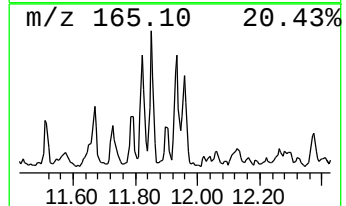
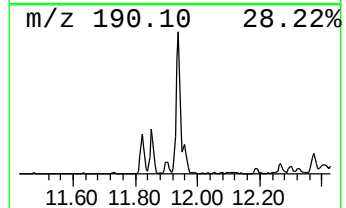
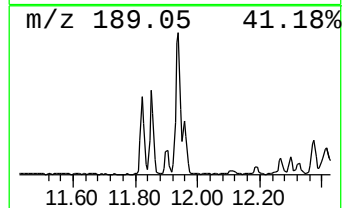
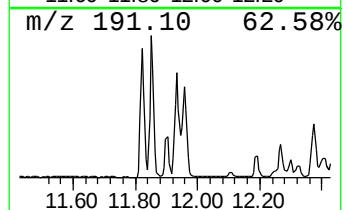
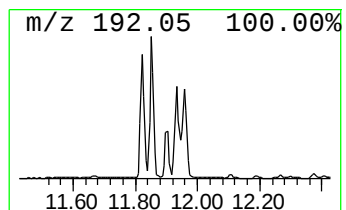
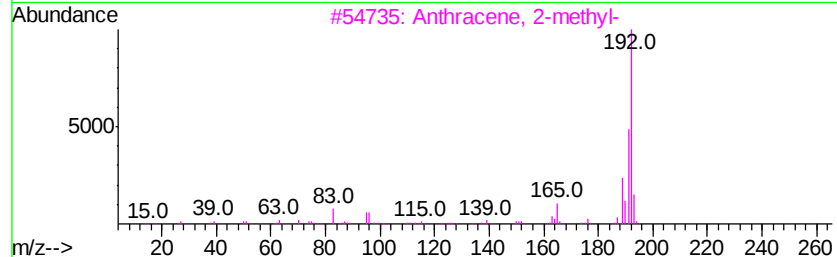
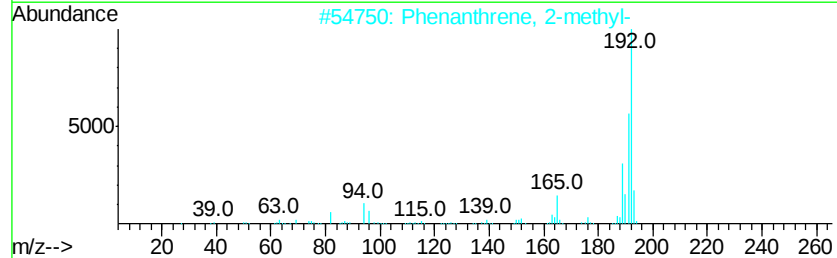
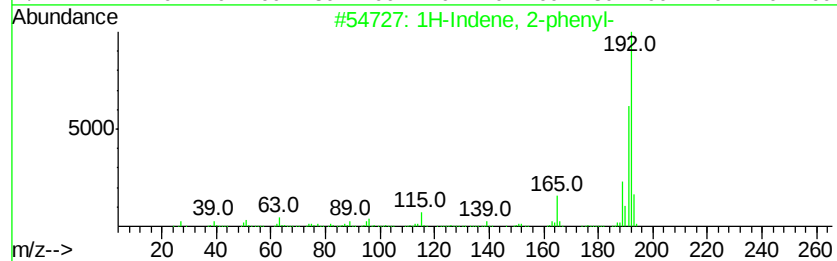
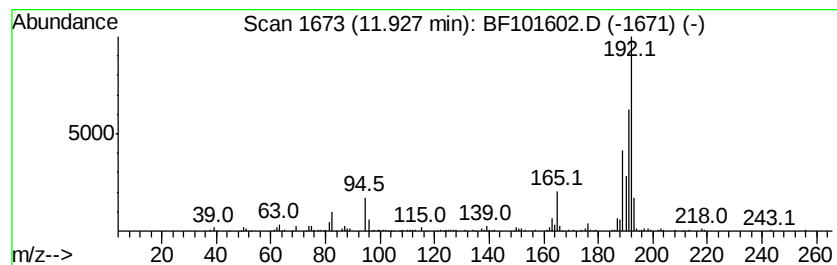
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.17 ng	625231	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101602.D
Acq On : 21 Dec 2017 13:08
Operator : SJ/JU
Sample : I6961-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-106-3DS(0-5)

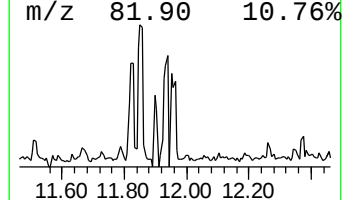
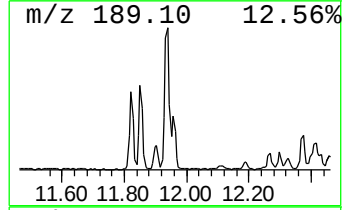
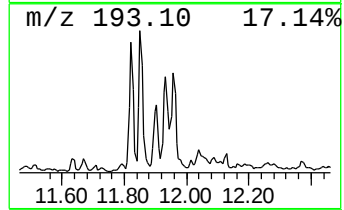
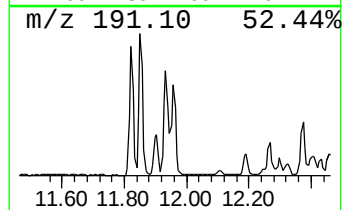
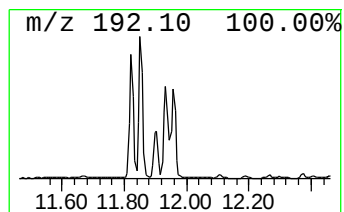
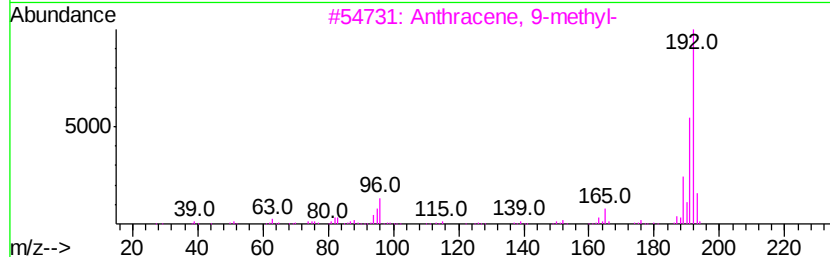
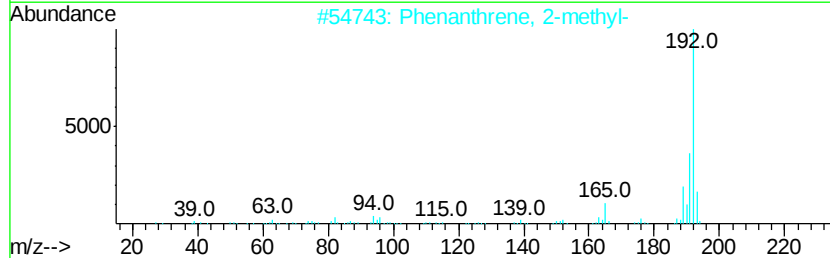
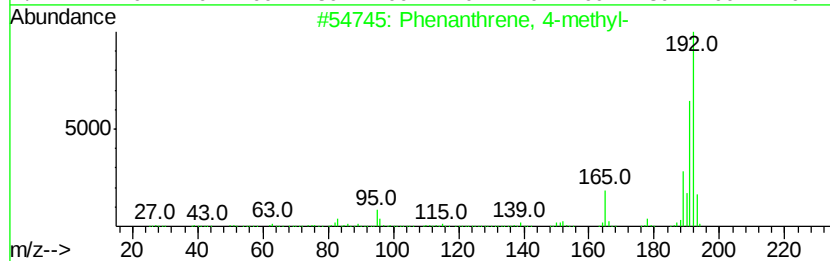
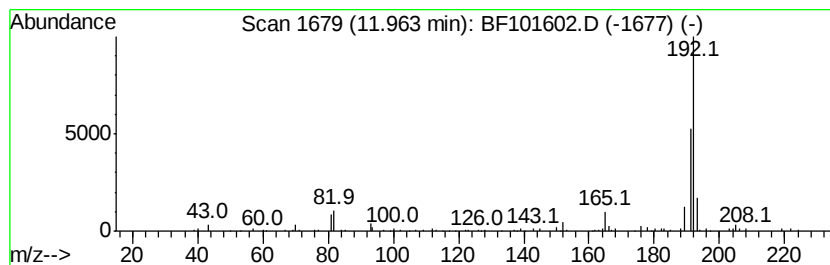
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.29 ng	240126	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101602.D
Acq On : 21 Dec 2017 13:08
Operator : SJ/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EPE-106-3DS(0-5)

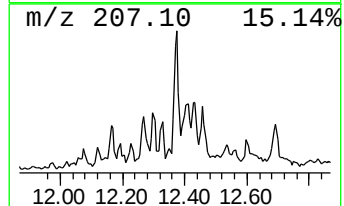
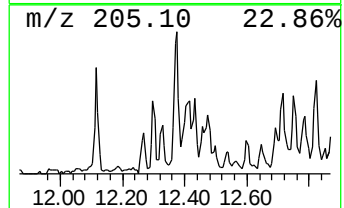
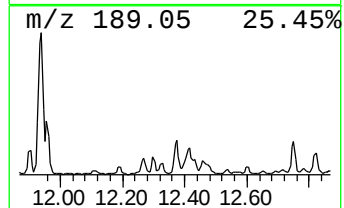
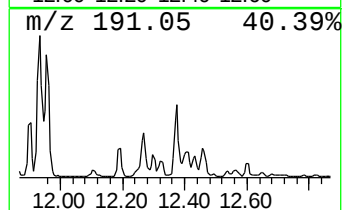
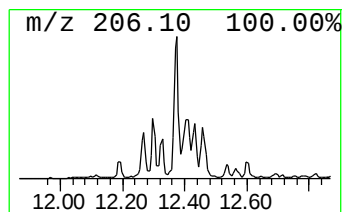
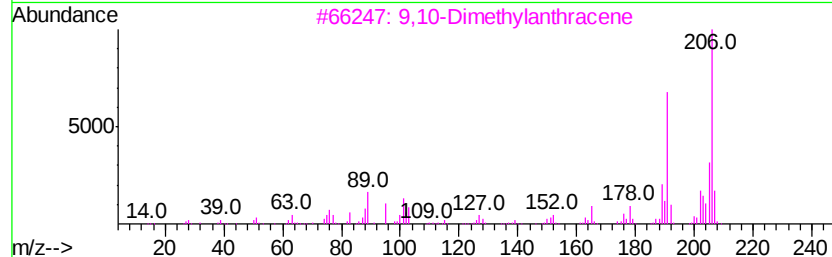
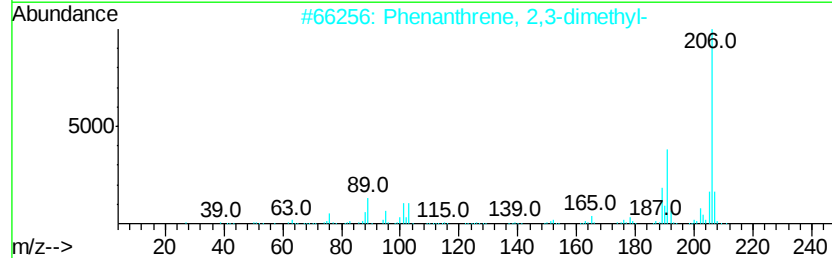
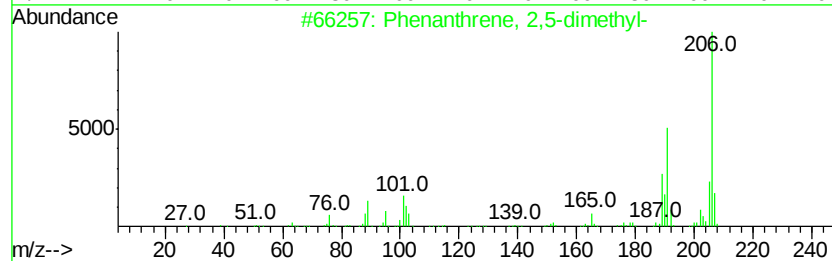
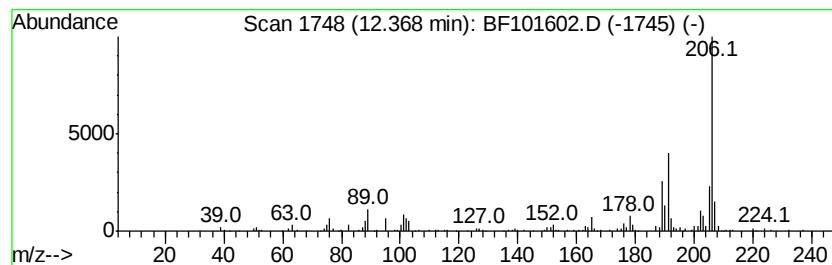
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	7.54 ng	421945	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101602.D
Acq On : 21 Dec 2017 13:08
Operator : SJ/JU
Sample : I6961-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

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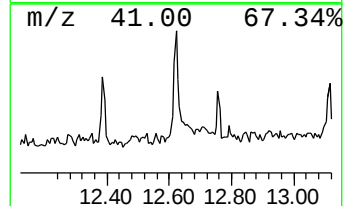
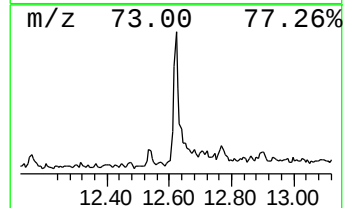
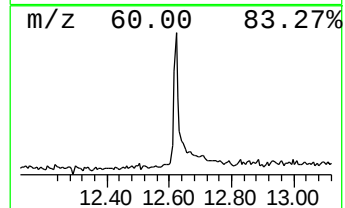
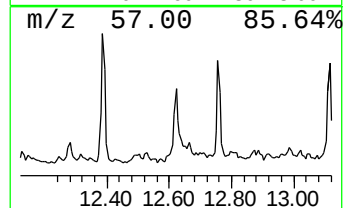
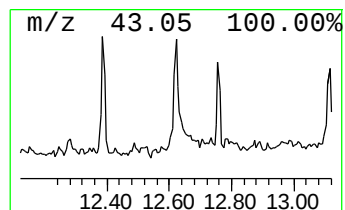
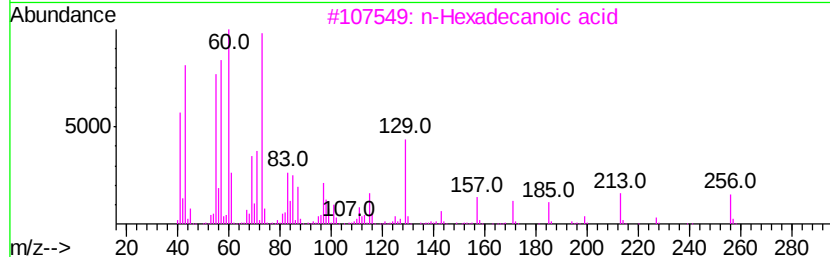
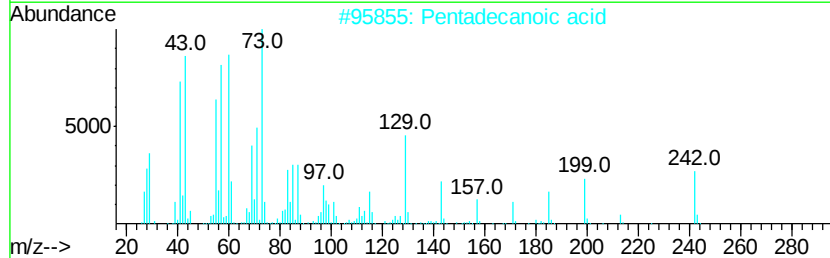
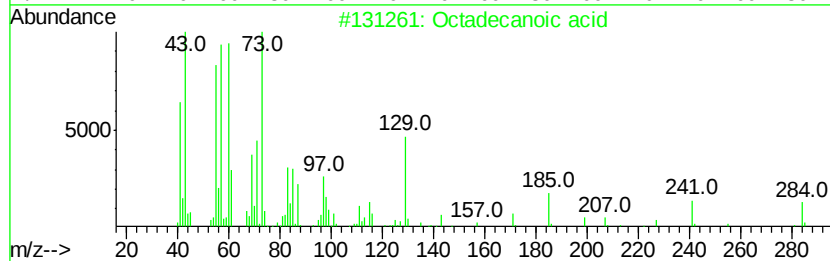
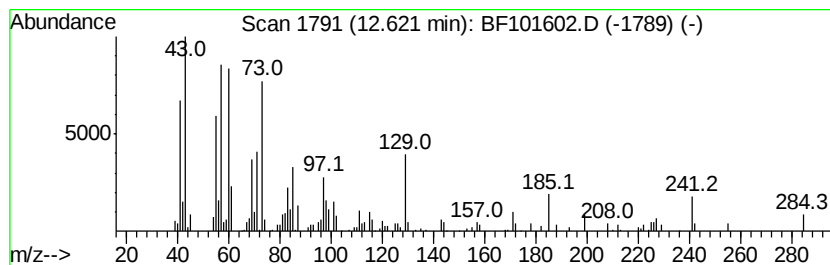
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Octadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.26 ng	182624	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	97
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5			n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
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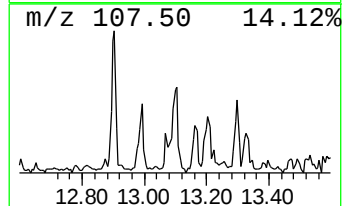
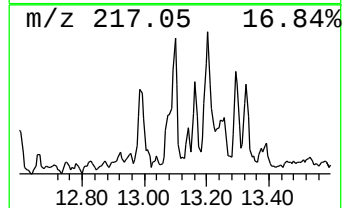
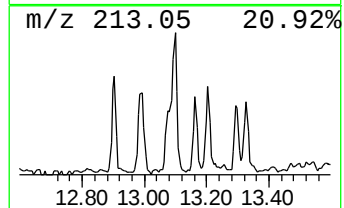
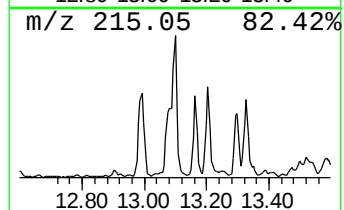
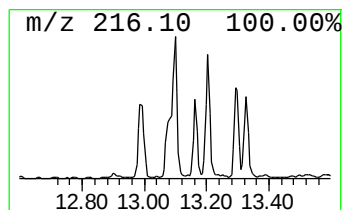
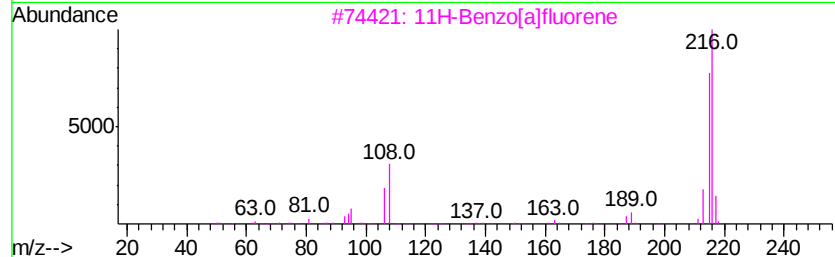
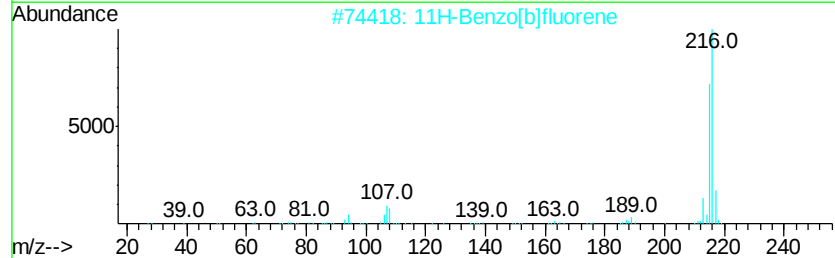
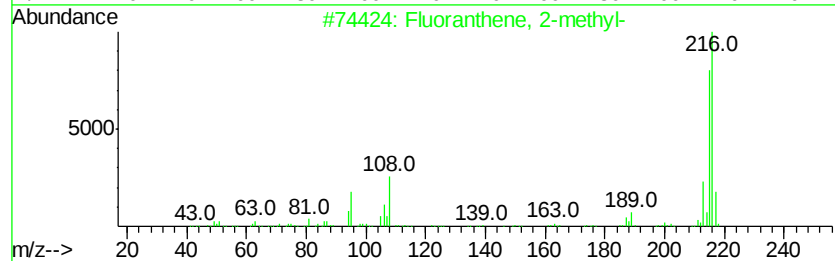
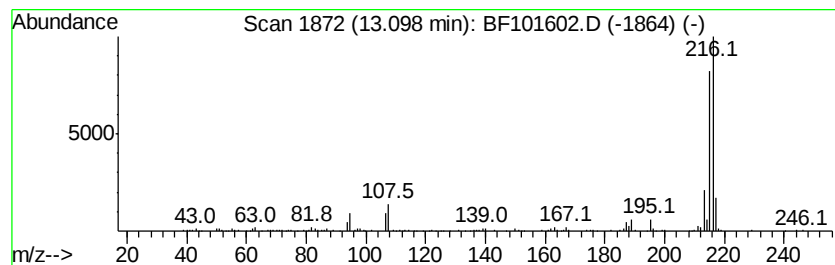
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.26 ng	462089	Chrysene-d12	13.97
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 95
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
4		Pvrene, 1-methyl-	216 C17H12	002381-21-7 83
5		6,6'-Dimethoxy-2,2'-bipyridile	216 C12H12N2O2	039858-88-3 59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
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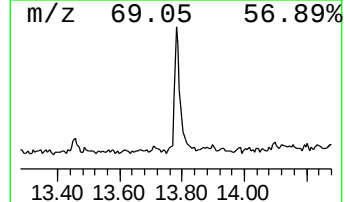
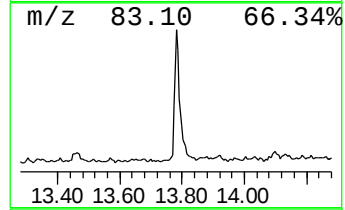
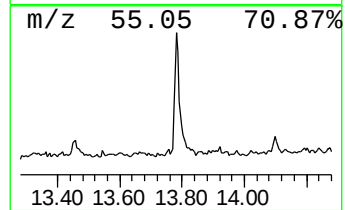
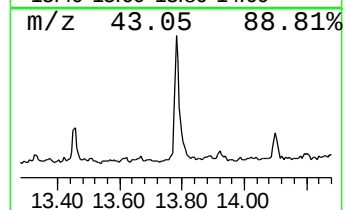
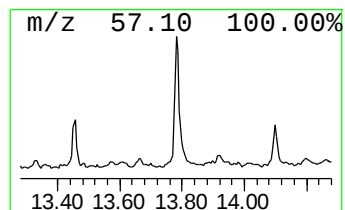
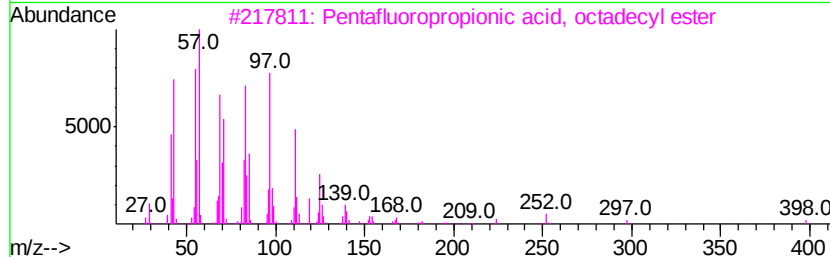
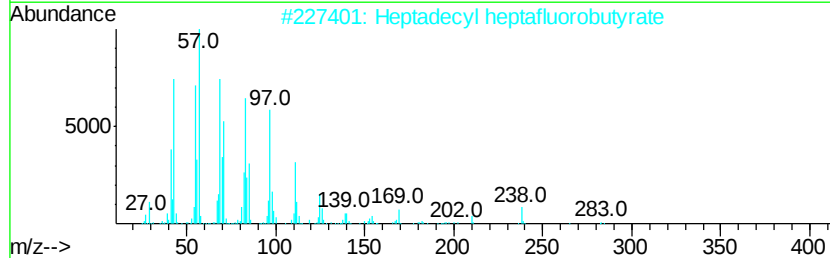
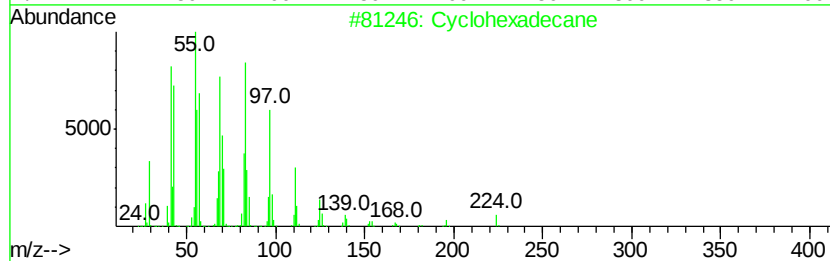
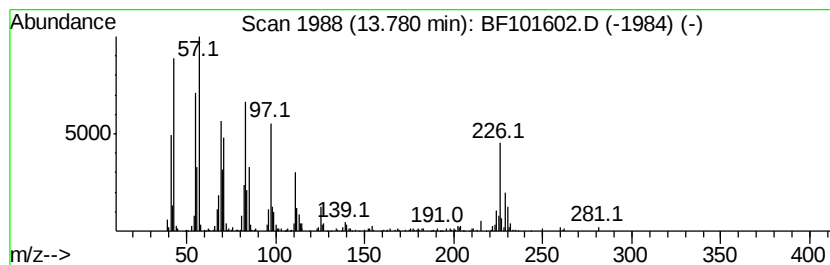
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclohexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.78	5.41 ng	474992	Chrysene-d12	13.97		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexadecane	224	C16H32	000295-65-8	90
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	86
3		Pentafluoropropionic acid, octadecyl ester	416	C21H37F5O2	959261-25-7	70
4		Heptafluorobutyric acid, n-octadecyl ester	466	C22H37F7O2	000400-57-7	70
5		Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
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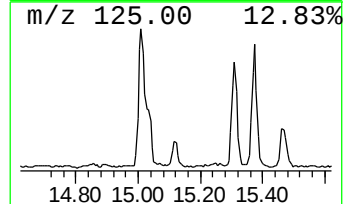
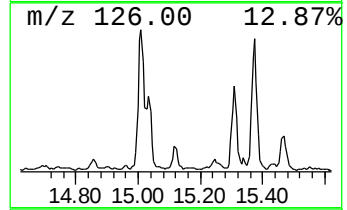
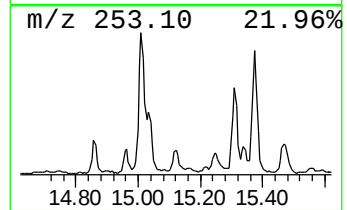
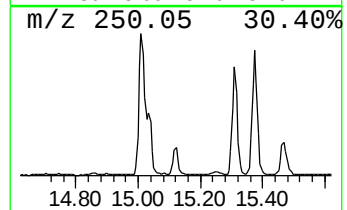
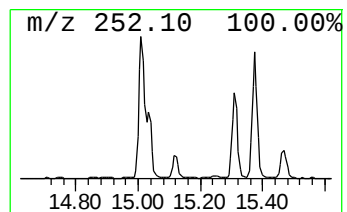
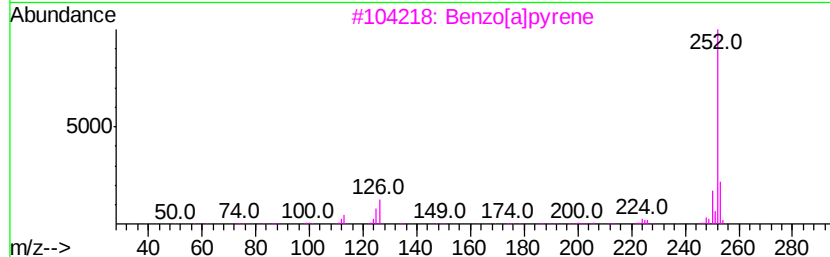
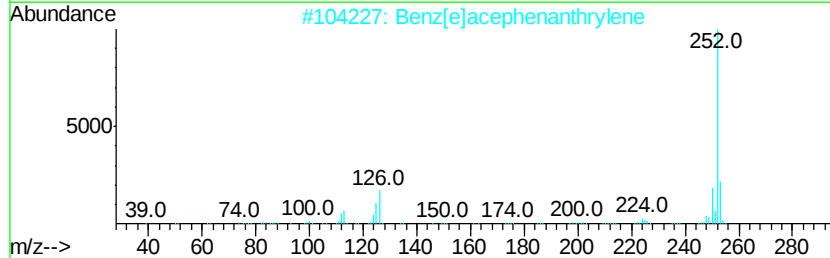
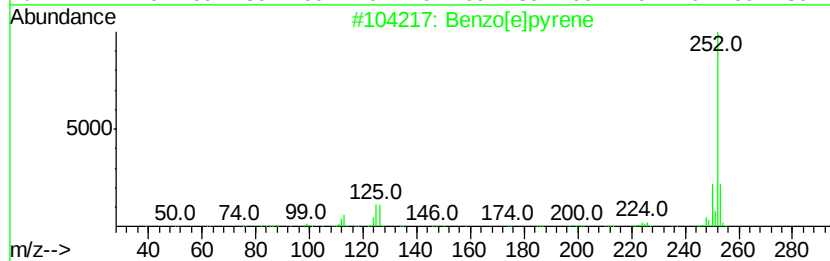
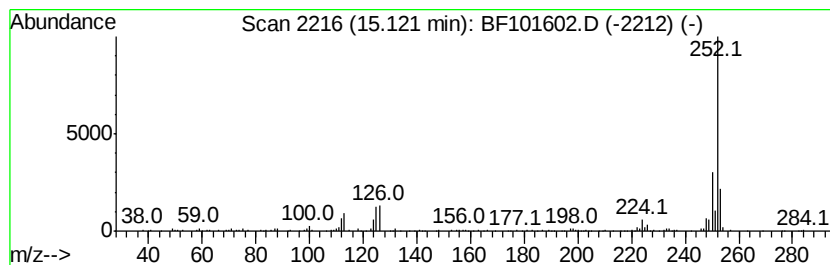
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.12	3.52 ng	138999	Perylene-d12	15.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-3DS(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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...	5.02	6.2	ng	279126	1	6.79	907779	20.0
unknown6.57	6.57	70.1	ng	3183000	1	6.79	907779	20.0
2-Hydroxy-iso-but...	8.63	3.6	ng	228898	2	8.07	1268590	20.0
Tetradecane	10.25	3.8	ng	237544	3	9.83	1240130	20.0
Benzophenone	10.55	13.2	ng	816717	3	9.83	1240130	20.0
Tridecane, 2-methyl-	10.73	6.5	ng	360829	4	11.32	1119000	20.0
unknown11.17	11.17	3.9	ng	220131	4	11.32	1119000	20.0
Dibenzothiophene	11.22	3.4	ng	187389	4	11.32	1119000	20.0
Phenanthrene, 2-m...	11.82	8.9	ng	499989	4	11.32	1119000	20.0
1H-Indene, 2-phenyl-	11.93	11.2	ng	625231	4	11.32	1119000	20.0
Phenanthrene, 4-m...	11.96	4.3	ng	240126	4	11.32	1119000	20.0
Phenanthrene, 2,5...	12.37	7.5	ng	421945	4	11.32	1119000	20.0
Octadecanoic acid	12.62	3.3	ng	182624	4	11.32	1119000	20.0
Fluoranthene, 2-m...	13.10	5.3	ng	462089	5	13.97	1756300	20.0
Cyclohexadecane	13.78	5.4	ng	474992	5	13.97	1756300	20.0
Benzo[e]pyrene	15.12	3.5	ng	138999	6	15.43	789630	20.0