

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101106.D
 Acq On : 4 Dec 2017 18:56
 Operator : SJ/JU
 Sample : I6697-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-04A

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-BF113017.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	5.075	503	508	513	rBV2	68345	102443	8.71%	0.630%
2	5.475	572	576	579	rVB	934780	910633	77.46%	5.603%
3	6.375	726	729	732	rBV2	46541	53653	4.56%	0.330%
4	6.487	742	748	751	rVV	879265	989316	84.15%	6.087%
5	6.622	766	771	774	rVV	1125739	1019799	86.74%	6.275%
6	6.851	807	810	813	rVB	402807	357668	30.42%	2.201%
7	7.004	830	836	839	rBV	922997	773929	65.83%	4.762%
8	7.239	871	876	878	rBV3	31752	41468	3.53%	0.255%
9	7.416	901	906	908	rVV	611677	609862	51.88%	3.752%
10	7.486	913	918	921	rBV4	36533	61706	5.25%	0.380%
11	7.539	922	927	930	rVV	43925	47461	4.04%	0.292%
12	7.763	963	965	970	rVB4	45261	45140	3.84%	0.278%
13	8.075	1013	1018	1021	rVV2	35931	50887	4.33%	0.313%
14	8.133	1024	1028	1030	rVV	525822	490710	41.74%	3.019%
15	8.151	1030	1031	1033	rVV	58341	41231	3.51%	0.254%
16	8.181	1033	1036	1039	rVB	108271	97278	8.27%	0.599%
17	8.269	1047	1051	1054	rVV2	45256	44017	3.74%	0.271%
18	8.416	1069	1076	1082	rBV3	81167	109956	9.35%	0.677%
19	8.469	1082	1085	1088	rVV4	36656	41208	3.51%	0.254%
20	8.545	1094	1098	1100	rVV	134334	139457	11.86%	0.858%
21	8.710	1124	1126	1131	rVV	53736	67736	5.76%	0.417%
22	8.810	1140	1143	1146	rVB2	38337	42561	3.62%	0.262%
23	8.898	1156	1158	1162	rBV	44872	44019	3.74%	0.271%
24	9.075	1183	1188	1193	rVB2	43070	57384	4.88%	0.353%
25	9.139	1197	1199	1202	rBV	70990	56366	4.79%	0.347%
26	9.204	1205	1210	1213	rBV	1338723	1175632	100.00%	7.233%
27	9.275	1219	1222	1226	rBV2	55502	78859	6.71%	0.485%
28	9.545	1265	1268	1273	rVV6	38163	80186	6.82%	0.493%
29	9.598	1273	1277	1280	rVV2	229218	256958	21.86%	1.581%
30	9.698	1289	1294	1296	rVB2	42736	42807	3.64%	0.263%
31	9.751	1300	1303	1306	rBV3	37628	41414	3.52%	0.255%
32	9.810	1306	1313	1315	rBV2	55379	90180	7.67%	0.555%
33	9.886	1321	1326	1329	rBV2	545929	479946	40.82%	2.953%
34	9.916	1329	1331	1334	rVB4	44726	42092	3.58%	0.259%

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35	9.986	1341	1343	1348	rVB4	38771	45181	3.84%	0.278%
36	10.045	1348	1353	1354	rBV4	37198	54176	4.61%	0.333%
37	10.127	1364	1367	1371	rVB2	65695	61005	5.19%	0.375%
38	10.198	1376	1379	1381	rBV	74062	70268	5.98%	0.432%
39	10.286	1391	1394	1396	rBV3	52154	67816	5.77%	0.417%
40	10.304	1396	1397	1400	rVB	74088	55137	4.69%	0.339%
41	10.339	1400	1403	1405	rBV	44834	40772	3.47%	0.251%
42	10.522	1431	1434	1437	rBV	54468	64455	5.48%	0.397%
43	10.680	1457	1461	1464	rVV	579446	559791	47.62%	3.444%
44	10.704	1464	1465	1470	rVB3	42217	42453	3.61%	0.261%
45	10.792	1475	1480	1487	rVB3	139336	216659	18.43%	1.333%
46	10.986	1506	1513	1515	rVV5	30161	55285	4.70%	0.340%
47	11.133	1528	1538	1543	rBV10	34100	103816	8.83%	0.639%
48	11.180	1543	1546	1551	rVV4	53528	87129	7.41%	0.536%
49	11.227	1551	1554	1556	rVV	102277	89315	7.60%	0.550%
50	11.257	1556	1559	1560	rVV2	51163	47299	4.02%	0.291%
51	11.374	1576	1579	1582	rBV	489576	434569	36.96%	2.674%
52	11.398	1582	1583	1586	rVV	60318	54705	4.65%	0.337%
53	11.480	1593	1597	1600	rVV2	62079	98823	8.41%	0.608%
54	11.539	1603	1607	1615	rVV3	82969	163619	13.92%	1.007%
55	11.610	1615	1619	1620	rVV3	44243	58554	4.98%	0.360%
56	11.651	1624	1626	1630	rVV2	98605	100033	8.51%	0.615%
57	11.704	1630	1635	1641	rVB3	80020	135773	11.55%	0.835%
58	11.874	1662	1664	1666	rBV	48920	51441	4.38%	0.317%
59	11.904	1666	1669	1672	rVB2	136596	151552	12.89%	0.932%
60	11.951	1672	1677	1678	rBV5	38278	51622	4.39%	0.318%
61	11.986	1678	1683	1686	rVV	126216	140005	11.91%	0.861%
62	12.010	1686	1687	1693	rVB2	46014	43389	3.69%	0.267%
63	12.063	1693	1696	1698	rBV2	95385	85998	7.32%	0.529%
64	12.110	1702	1704	1707	rVB	92761	74596	6.35%	0.459%
65	12.174	1711	1715	1719	rBV4	113519	163238	13.89%	1.004%
66	12.321	1738	1740	1743	rVV2	76564	70268	5.98%	0.432%
67	12.357	1743	1746	1748	rVV	89073	100353	8.54%	0.617%
68	12.380	1748	1750	1752	rVB	76068	57273	4.87%	0.352%
69	12.427	1755	1758	1760	rVV	238131	202862	17.26%	1.248%
70	12.451	1760	1762	1766	rVV3	107135	140715	11.97%	0.866%
71	12.486	1766	1768	1770	rVB	69104	49137	4.18%	0.302%

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Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	12.510	1770	1772	1776	rBV	50869	61801	5.26%	0.380%
73	12.592	1782	1786	1790	rVB	138536	129465	11.01%	0.797%
74	12.633	1790	1793	1795	rBV	97444	84676	7.20%	0.521%
75	12.768	1814	1816	1820	rVB3	48456	43722	3.72%	0.269%
76	12.821	1822	1825	1831	rBV2	113758	143418	12.20%	0.882%
77	12.874	1831	1834	1837	rVB	116460	114475	9.74%	0.704%
78	12.957	1845	1848	1851	rBV	837630	775737	65.98%	4.773%
79	13.033	1858	1861	1863	rBV2	76975	78628	6.69%	0.484%
80	13.092	1868	1871	1873	rBV	44667	44777	3.81%	0.275%
81	13.174	1883	1885	1890	rVB3	74825	68821	5.85%	0.423%
82	13.433	1927	1929	1933	rVV	84040	69489	5.91%	0.428%
83	13.521	1941	1944	1946	rVV	57301	60654	5.16%	0.373%
84	13.574	1950	1953	1960	rVB4	65432	102781	8.74%	0.632%
85	13.663	1965	1968	1972	rVV2	87665	108751	9.25%	0.669%
86	13.768	1982	1986	1989	rBV2	64240	76510	6.51%	0.471%
87	13.845	1995	1999	2002	rBV	134540	152245	12.95%	0.937%
88	13.957	2013	2018	2020	rBV3	74014	84057	7.15%	0.517%
89	14.021	2025	2029	2032	rVV	424244	436923	37.16%	2.688%
90	14.068	2035	2037	2041	rVB	47284	48186	4.10%	0.296%
91	14.104	2041	2043	2047	rVB2	67968	68978	5.87%	0.424%
92	14.163	2047	2053	2055	rBV3	80849	134399	11.43%	0.827%
93	14.392	2089	2092	2093	rBV	54628	48418	4.12%	0.298%
94	14.439	2098	2100	2102	rBV	70971	57051	4.85%	0.351%
95	14.474	2103	2106	2109	rBV4	65146	67287	5.72%	0.414%
96	14.833	2164	2167	2171	rVB	50110	59547	5.07%	0.366%
97	15.110	2210	2214	2217	rBV4	36773	48713	4.14%	0.300%
98	15.274	2237	2242	2245	rBV6	20502	40459	3.44%	0.249%
99	15.368	2255	2258	2263	rVB2	37825	45835	3.90%	0.282%
100	15.498	2275	2280	2285	rBV	257717	324187	27.58%	1.995%

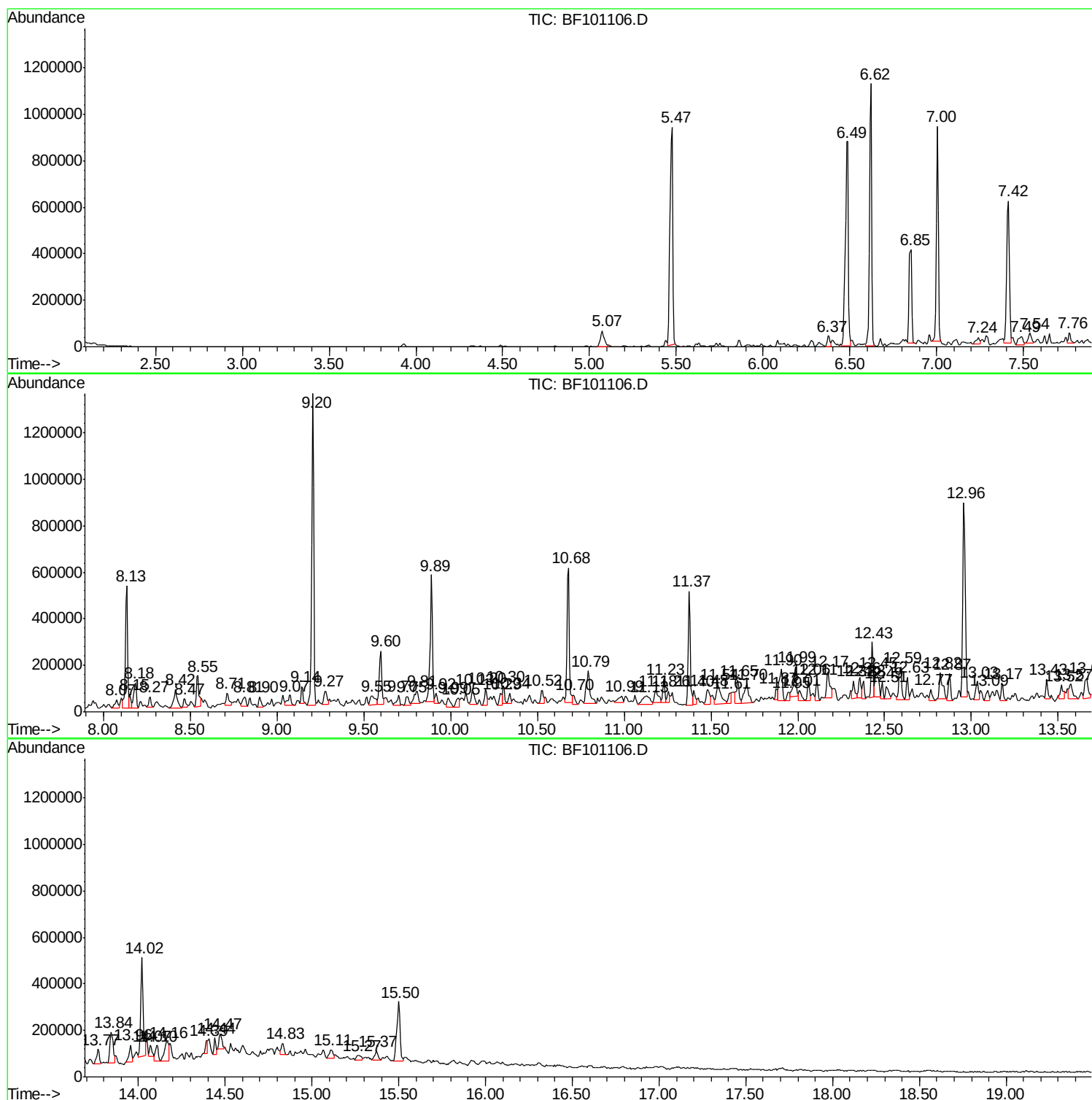
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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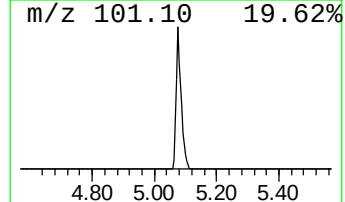
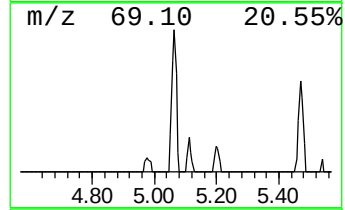
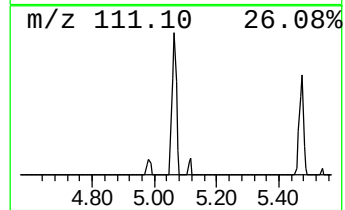
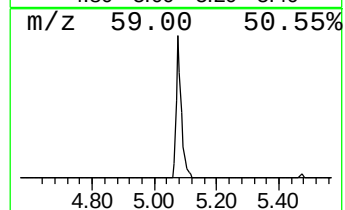
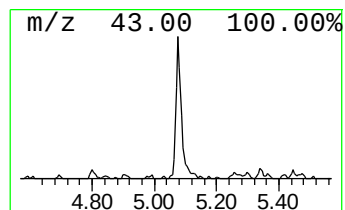
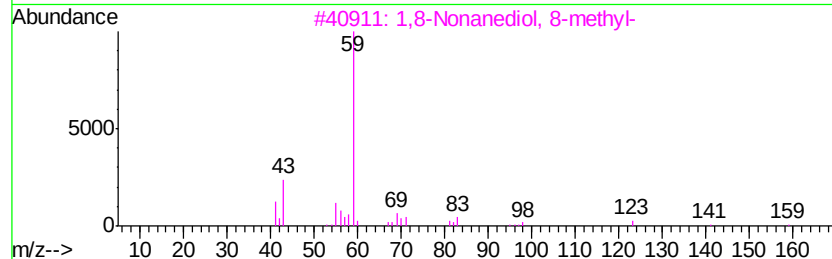
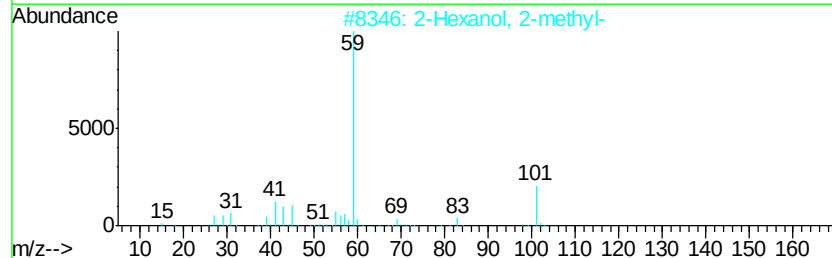
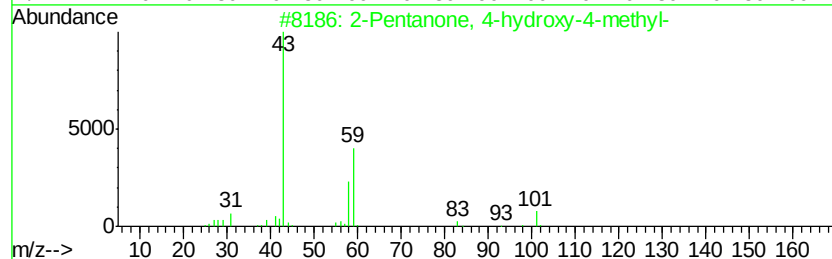
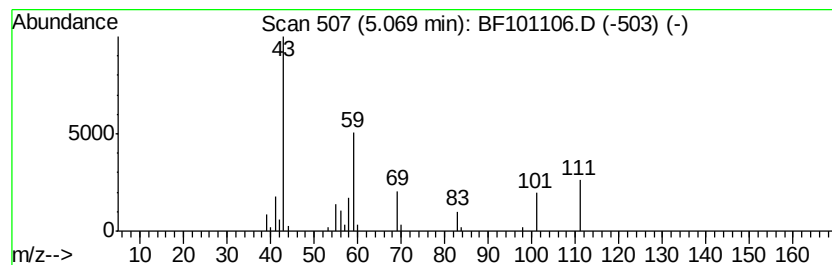
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	5.73 ng	102443	1,4-Dichlorobenzene-d4	6.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50
3		1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	32
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	23
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17



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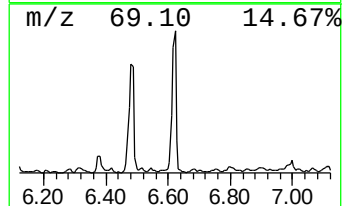
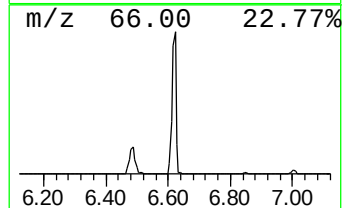
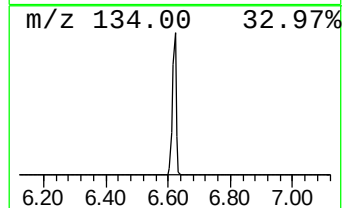
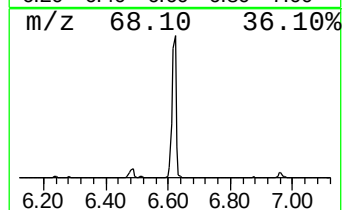
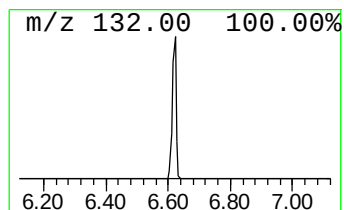
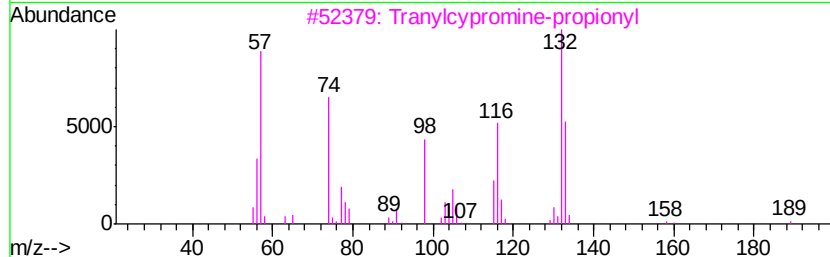
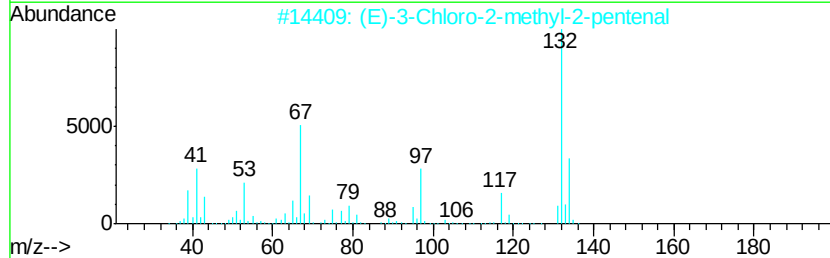
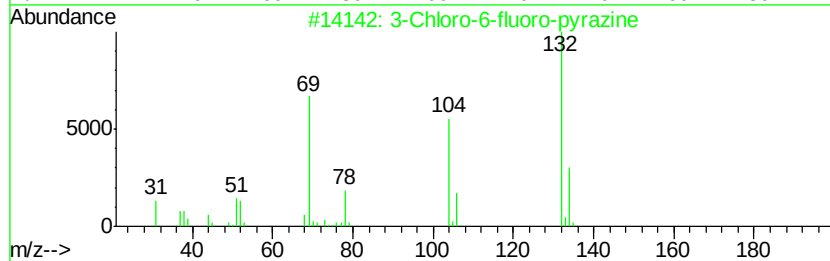
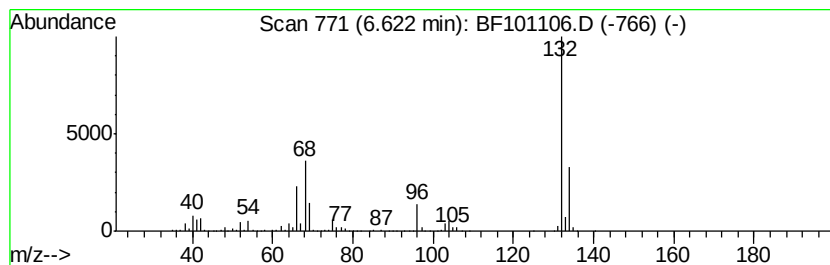
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	57.02 ng	1019800	1,4-Dichlorobenzene-d4	6.85

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	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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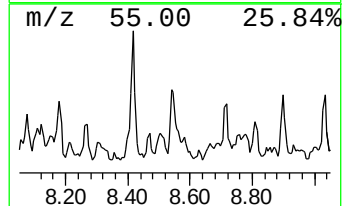
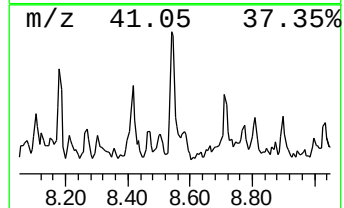
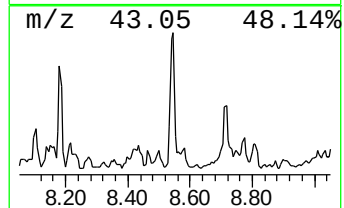
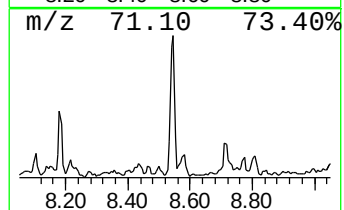
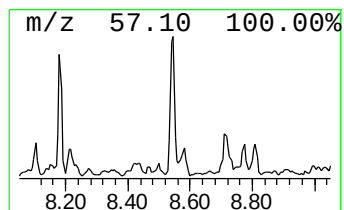
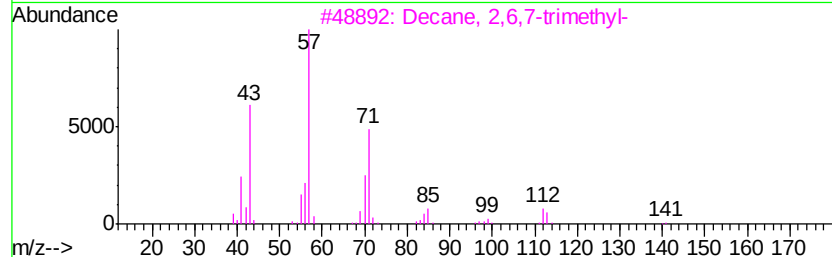
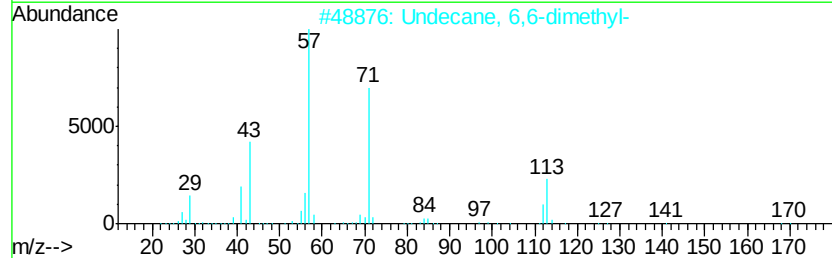
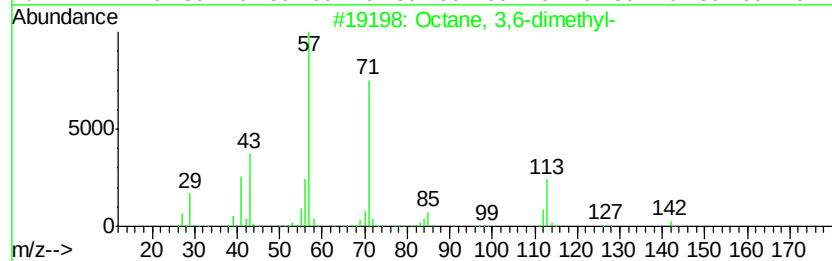
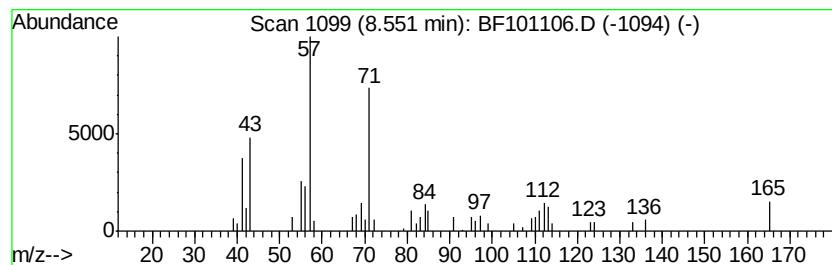
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octane, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	5.68 ng	139457	Naphthalene-d8	8.13

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	78
3		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	64
4		Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
5		Tritetracontane	605	C43H88	007098-21-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101106.D
Acq On : 4 Dec 2017 18:56
Operator : SJ/JU
Sample : I6697-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-04A

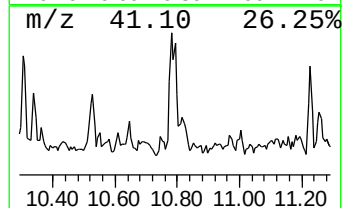
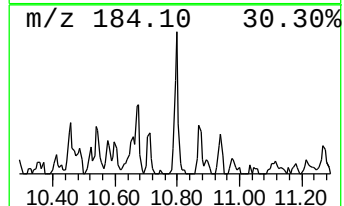
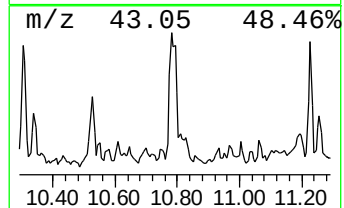
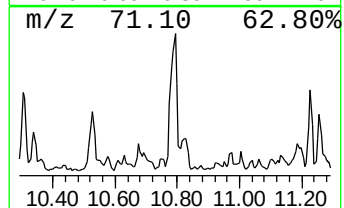
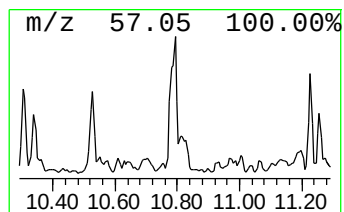
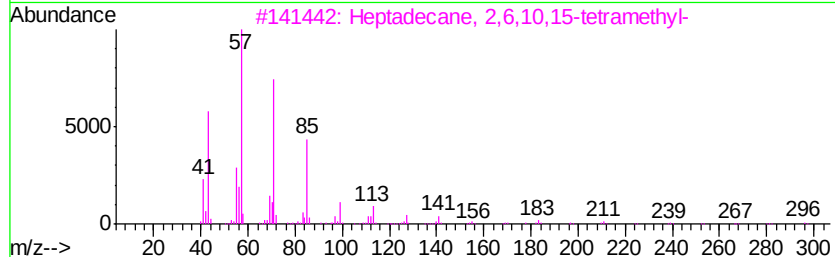
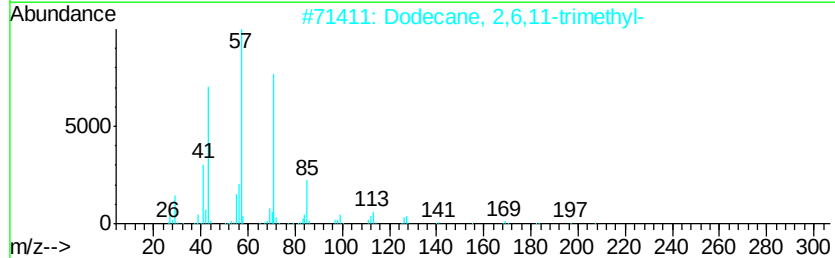
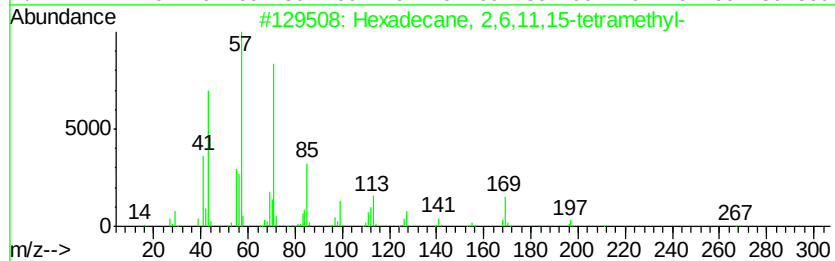
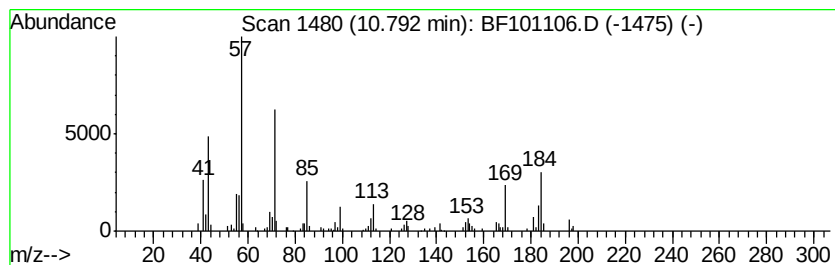
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.79 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	9.97 ng	216659	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	49
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	46
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	43
4		Tetracosane	338	C24H50	000646-31-1	43
5		Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
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Acq On : 4 Dec 2017 18:56
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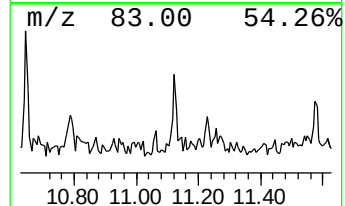
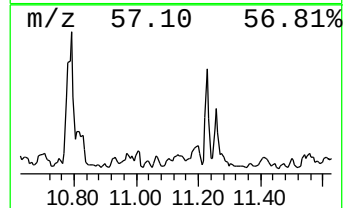
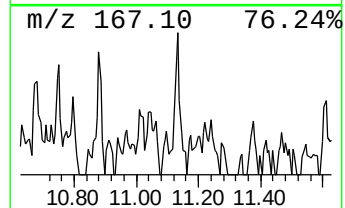
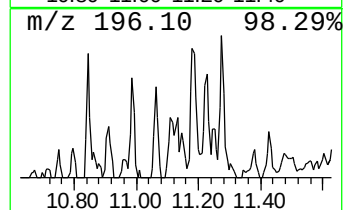
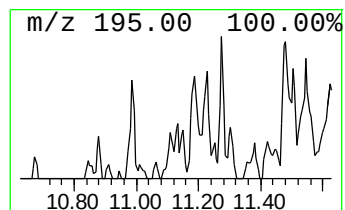
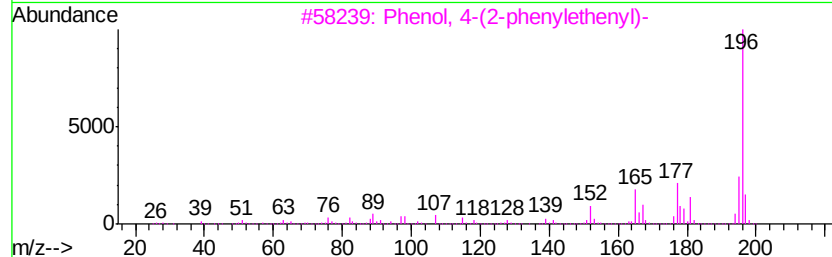
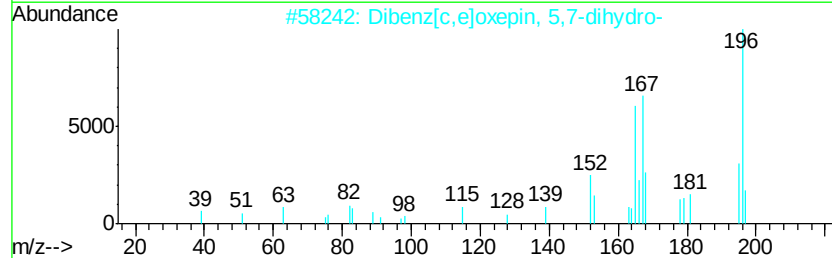
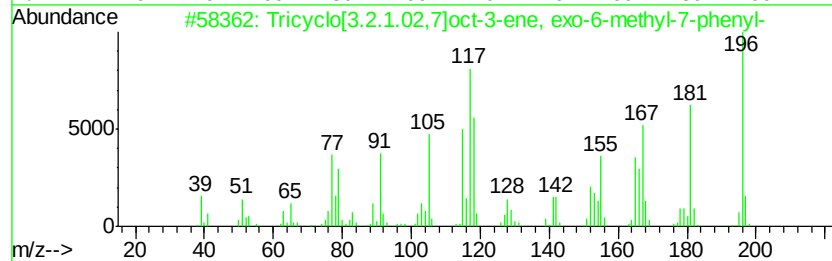
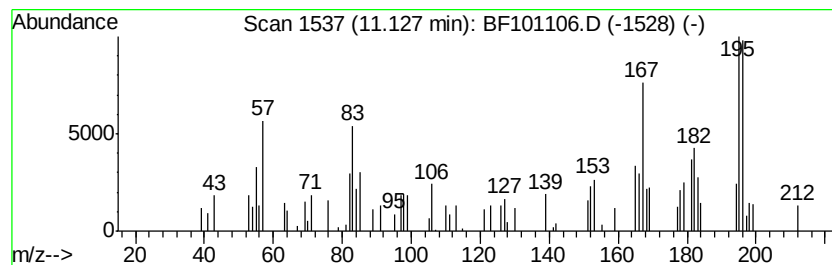
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.13 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	4.78 ng	103816	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[3.2.1.0 ^{2,7}]oct-3-ene, e...	196	C15H16	1000142-97-8	45
2		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	42
3		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	42
4		Benzo(H)quinoline 1-oxide	195	C13H9NO	017104-70-0	38
5		Benzene, 1-ethyl-3-(phenylmethyl)-	196	C15H16	028122-24-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101106.D
Acq On : 4 Dec 2017 18:56
Operator : SJ/JU
Sample : I6697-04
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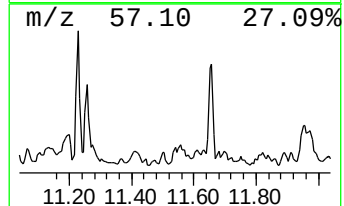
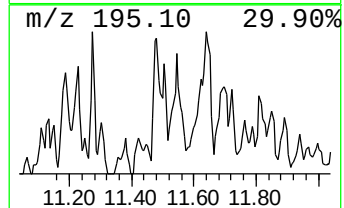
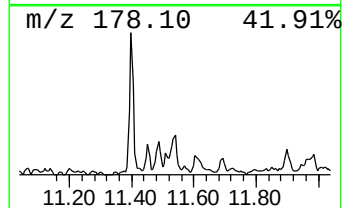
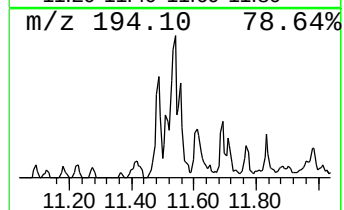
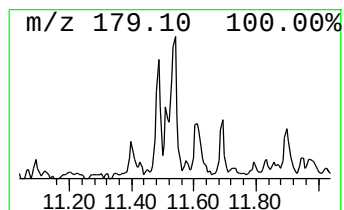
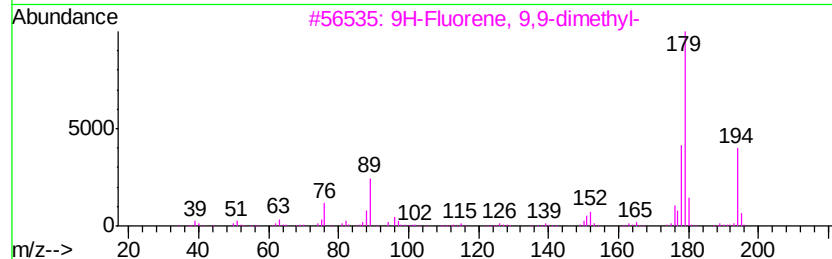
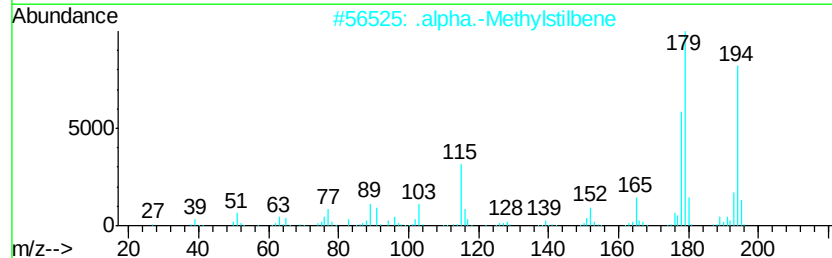
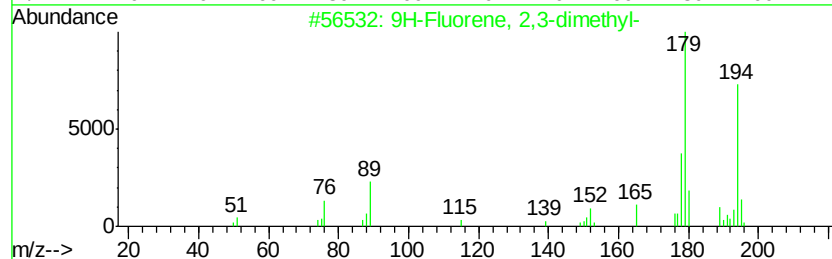
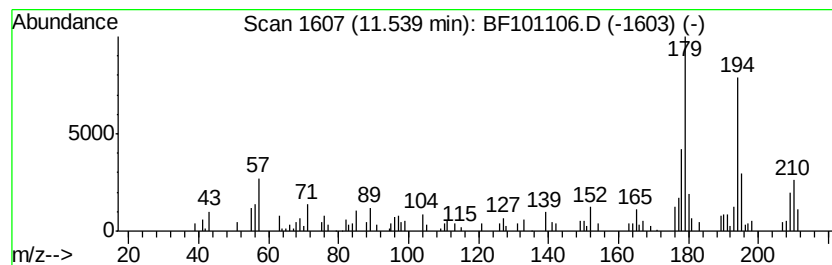
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	7.53 ng	163619	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	89
2		.alpha.-Methylstilbene	194	C15H14	000779-51-1	70
3		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	64
4		Thieno[2,3-d]pyrimidine-4-thiol,...	210	C9H10N2S2	1000303-48-8	64
5		Benzene, 1-methyl-2-(2-phenyleth...	194	C15H14	074685-42-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101106.D
Acq On : 4 Dec 2017 18:56
Operator : SJ/JU
Sample : I6697-04
Misc :
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Instrument :
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ClientSampleId :
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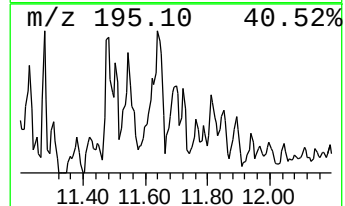
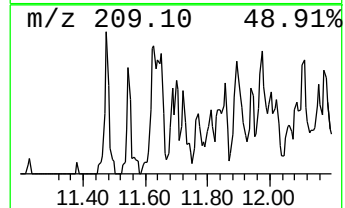
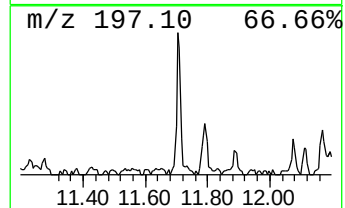
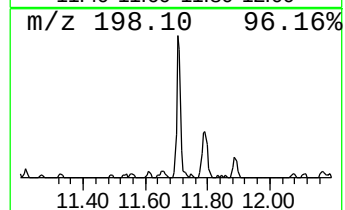
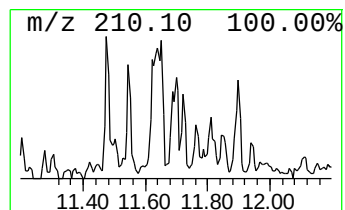
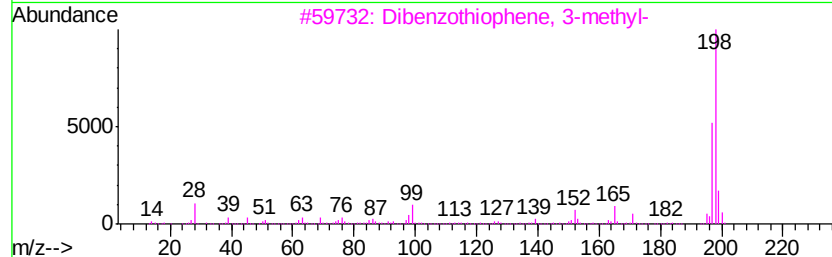
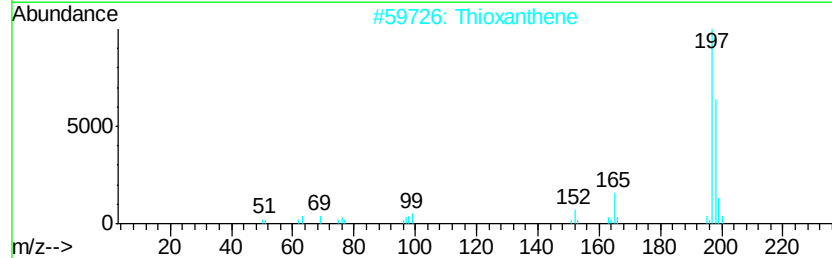
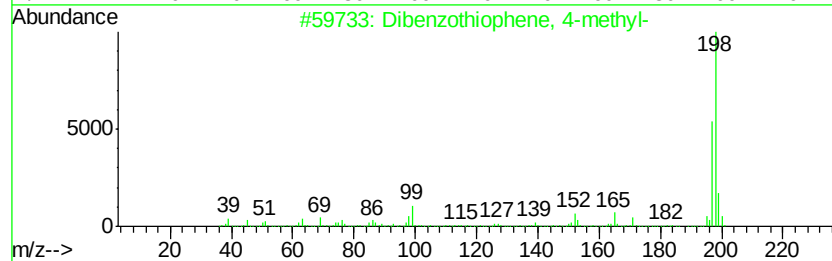
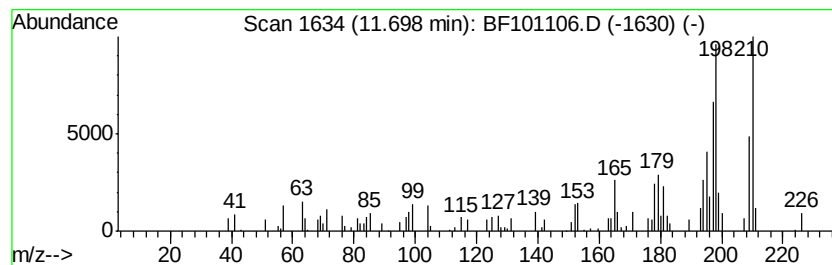
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.25 ng	135773	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	89
2		Thioxanthene	198	C13H10S	000261-31-4	83
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	62
5		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
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Sample : I6697-04
Misc :
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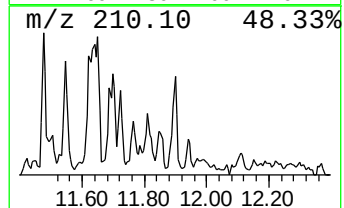
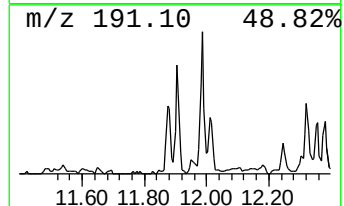
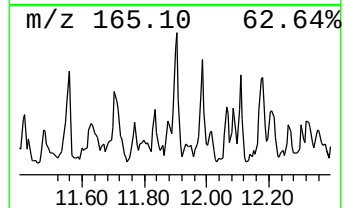
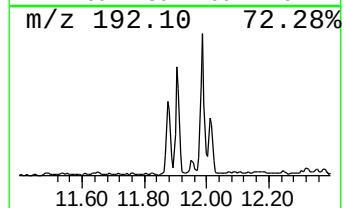
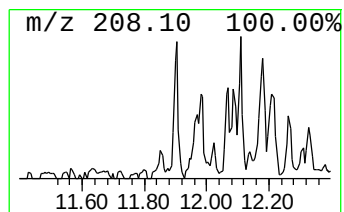
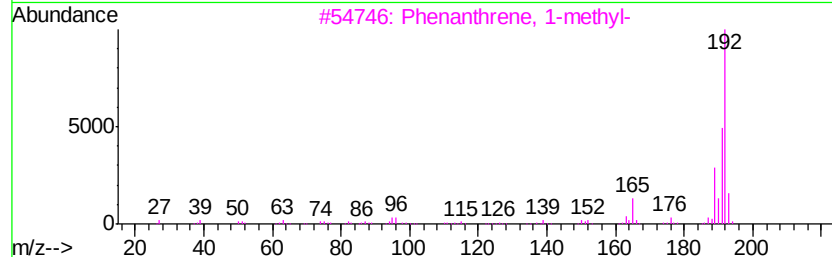
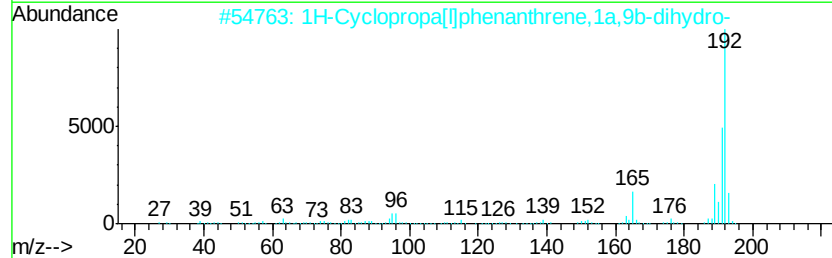
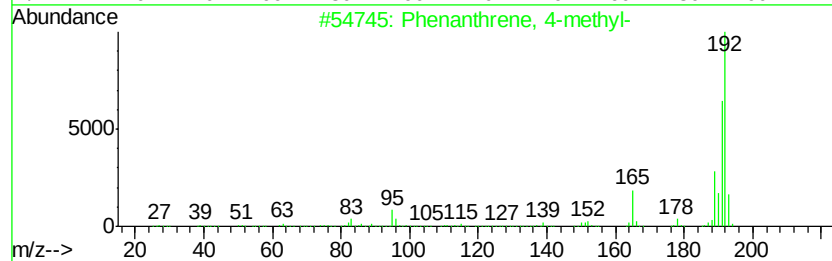
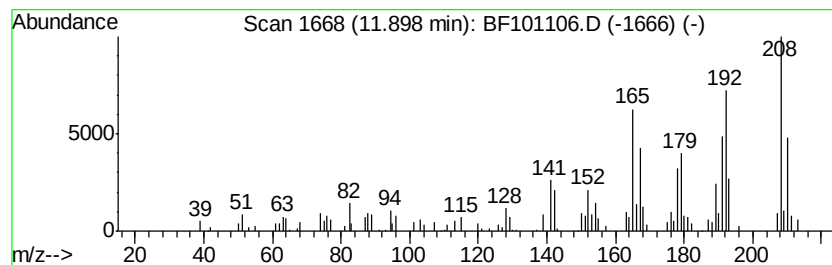
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.90	6.97 ng	151552	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
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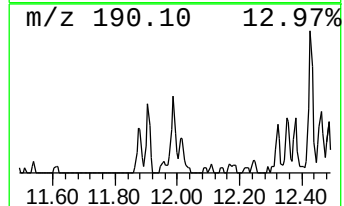
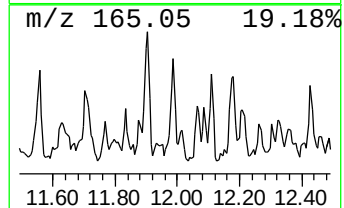
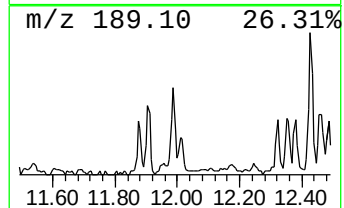
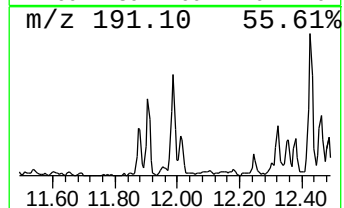
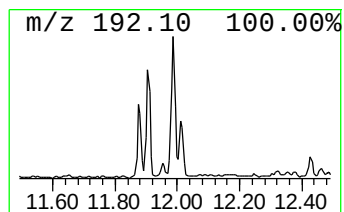
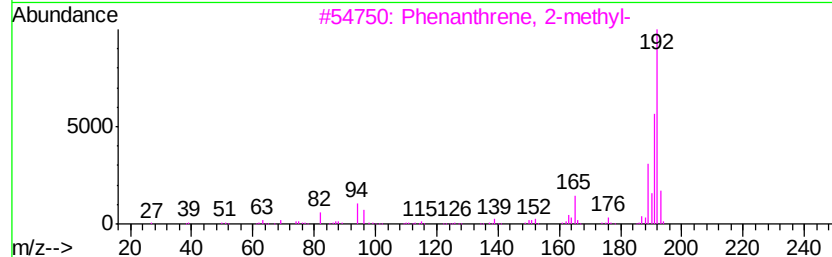
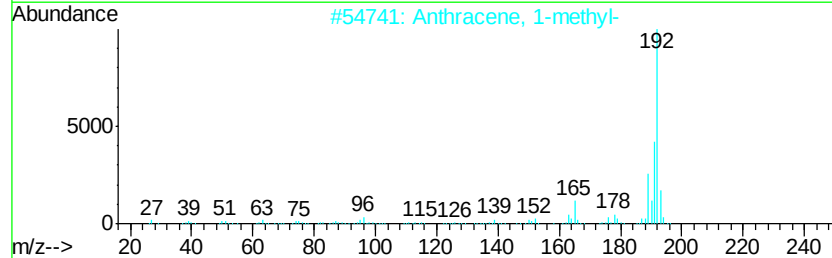
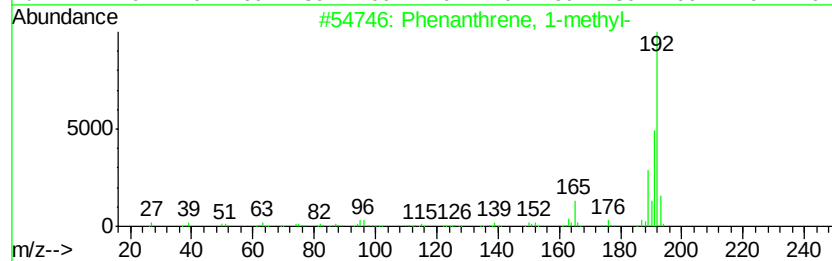
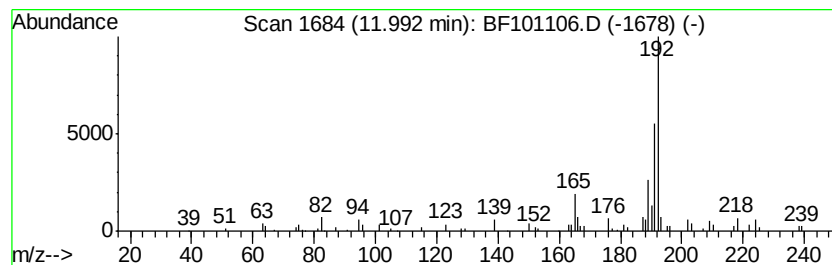
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.99	6.44 ng	140005	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
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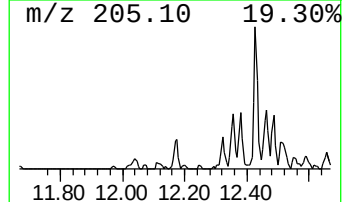
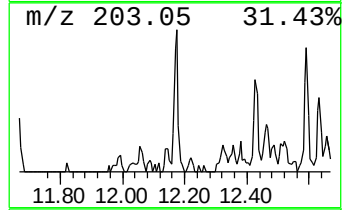
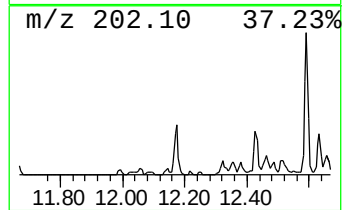
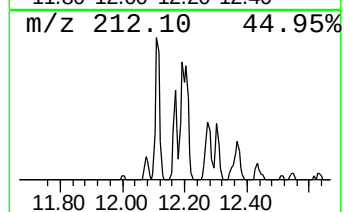
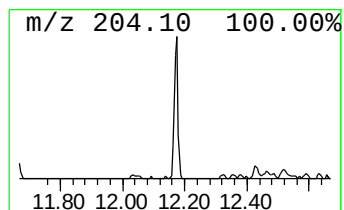
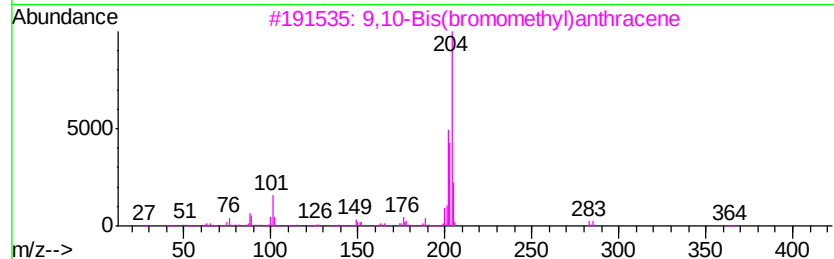
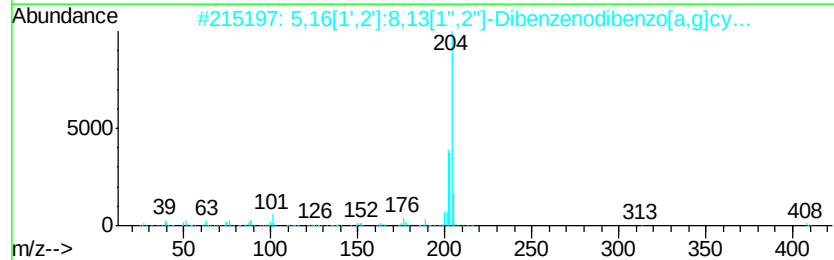
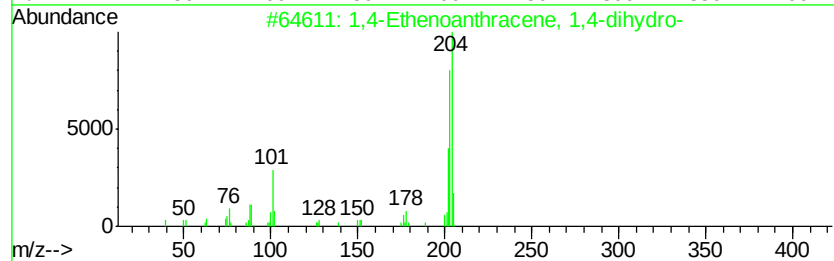
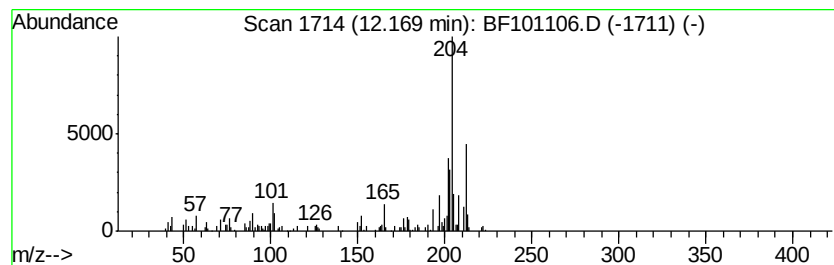
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,4-Ethenoanthracene, 1,4-d... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	7.51 ng	163238	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	55
2			5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101106.D
Acq On : 4 Dec 2017 18:56
Operator : SJ/JU
Sample : I6697-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

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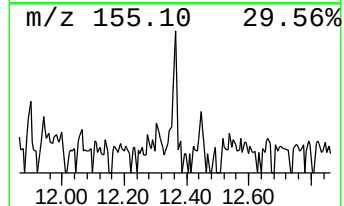
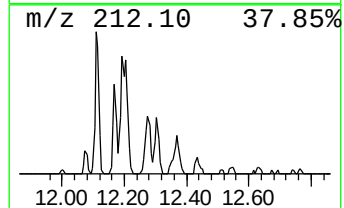
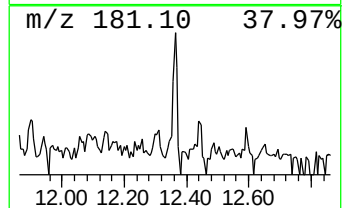
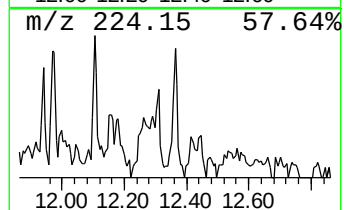
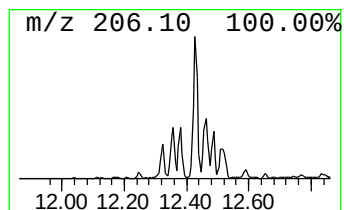
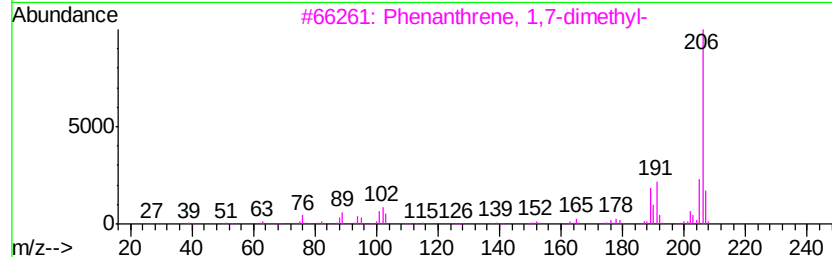
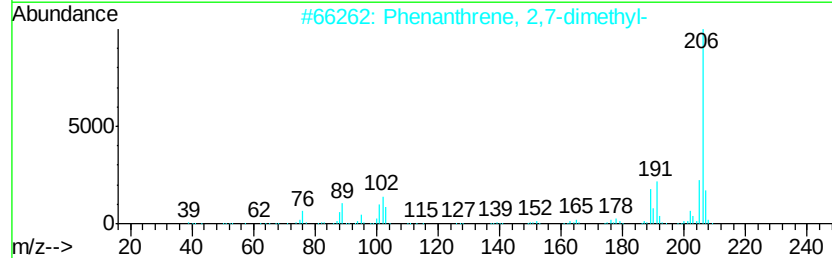
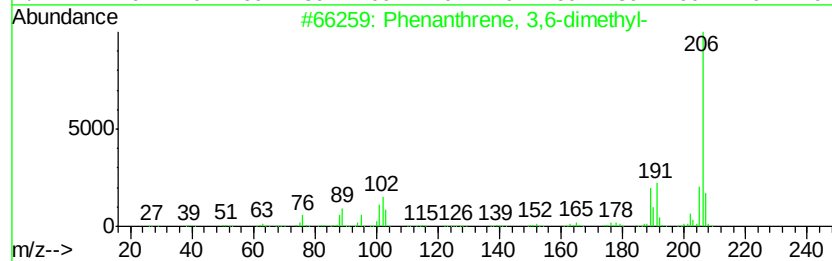
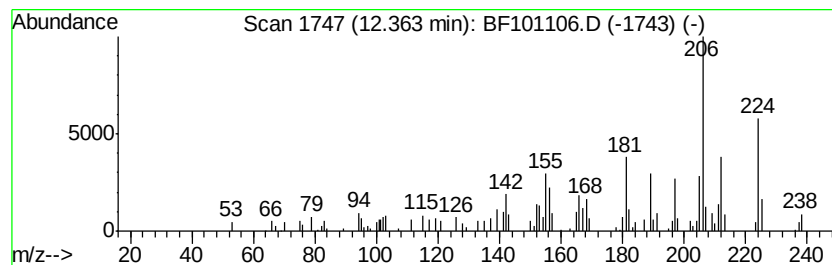
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.62 ng	100353	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68



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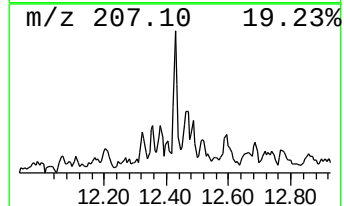
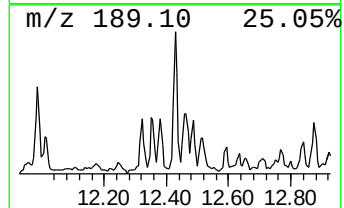
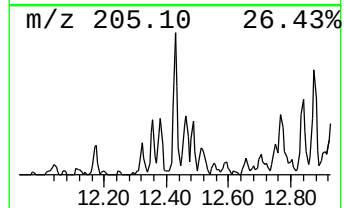
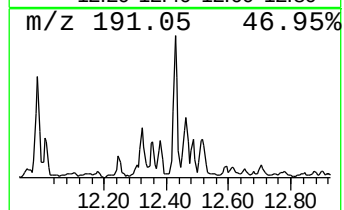
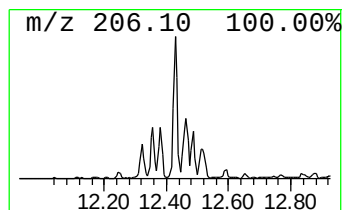
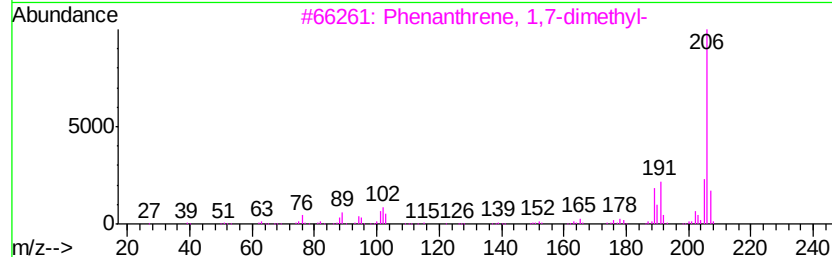
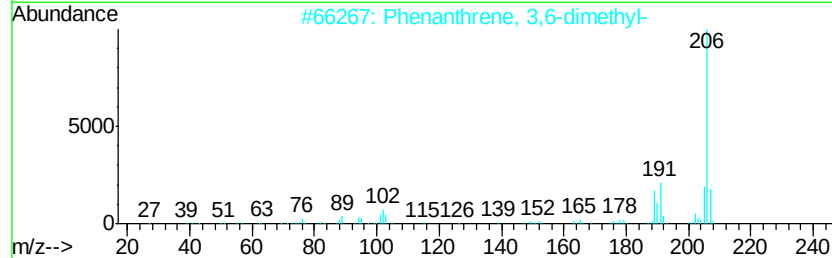
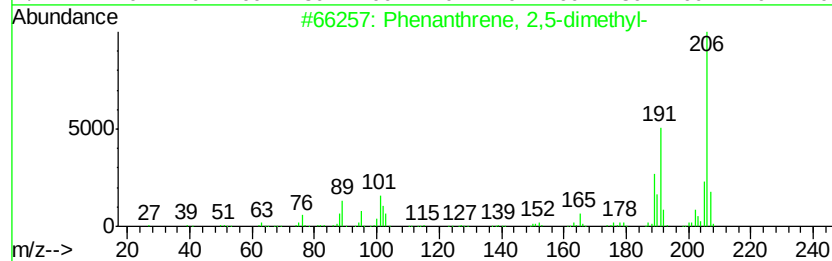
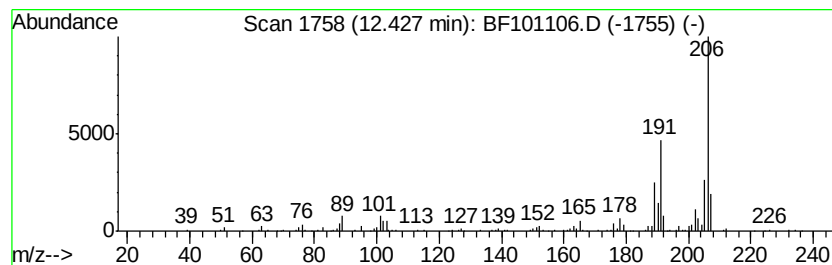
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	9.34 ng	202862	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



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ALS Vial : 22 Sample Multiplier: 1

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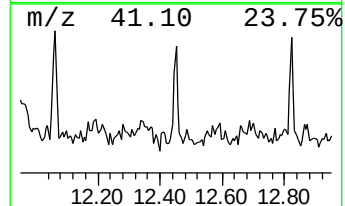
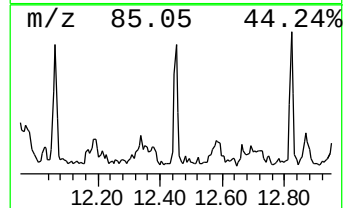
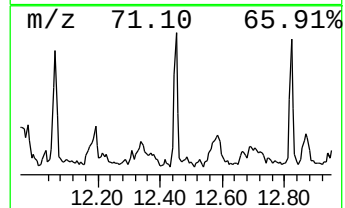
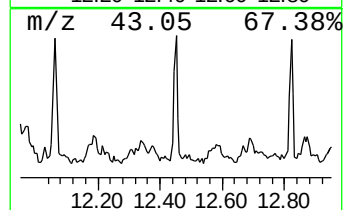
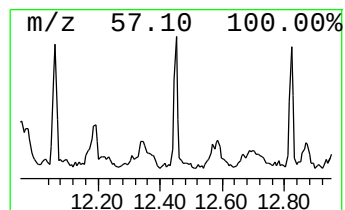
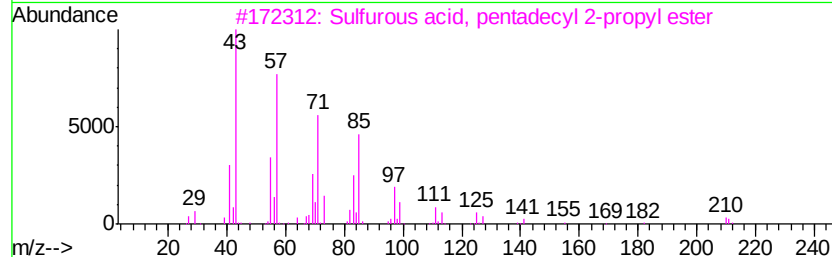
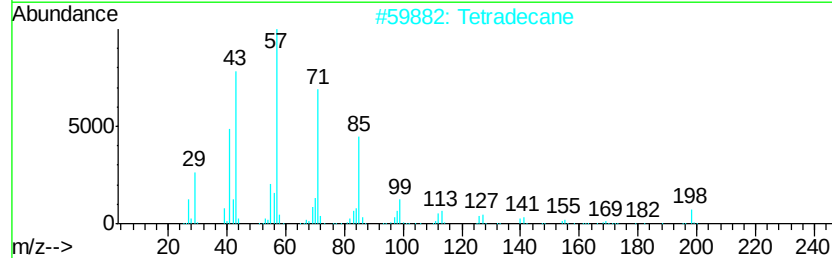
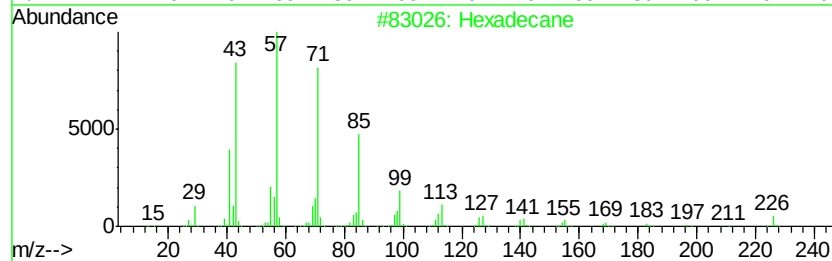
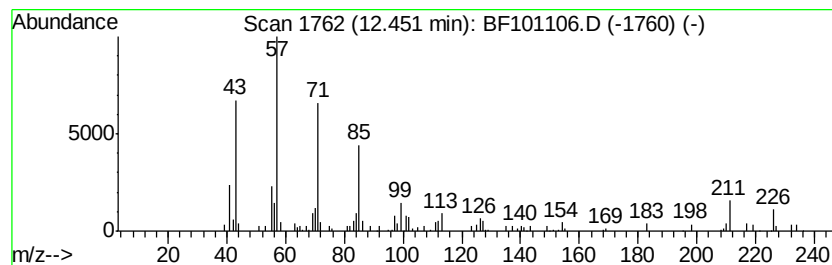
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	6.48 ng	140715	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Tetradecane	198	C14H30	000629-59-4	91
3		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	80
4		Tetracosane	338	C24H50	000646-31-1	72
5		Octacosane	394	C28H58	000630-02-4	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
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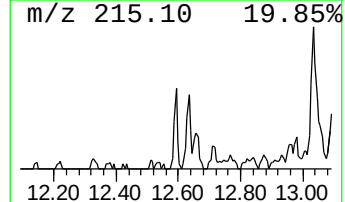
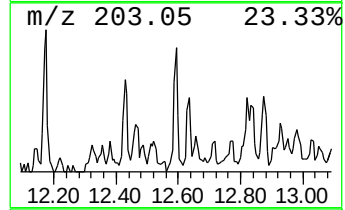
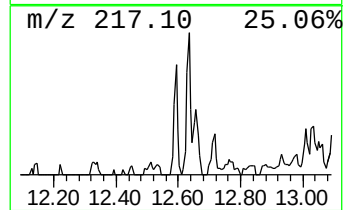
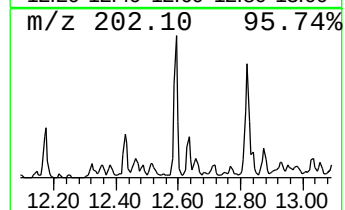
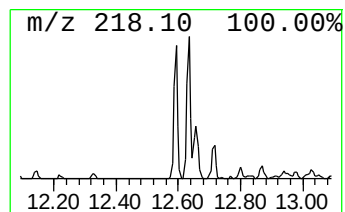
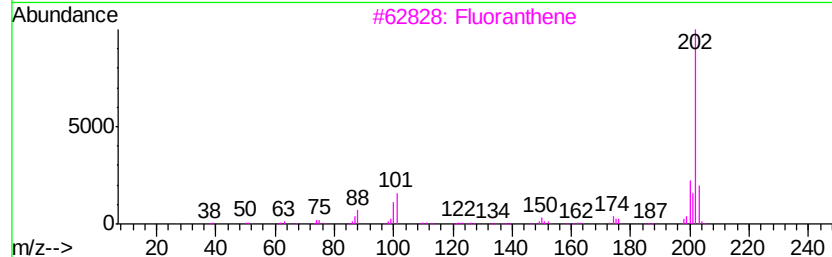
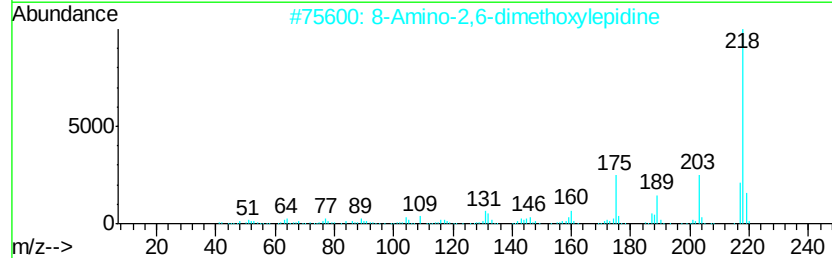
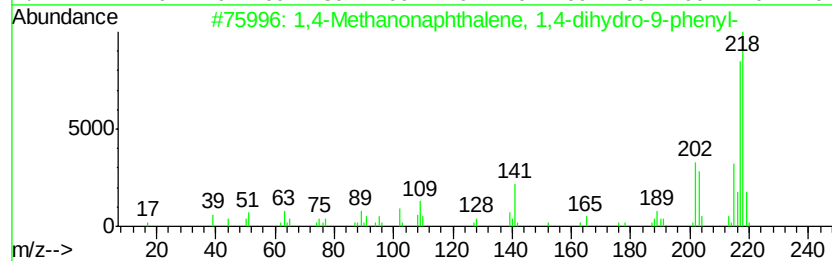
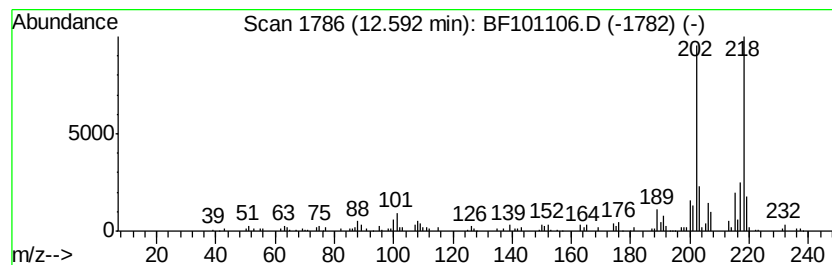
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.59 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	5.96 ng	129465	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	43
2		8-Amino-2,6-dimethoxyepididine	218	C12H14N2O2	074509-65-2	43
3		Fluoranthene	202	C16H10	000206-44-0	42
4		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	42
5		1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
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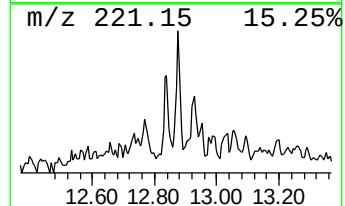
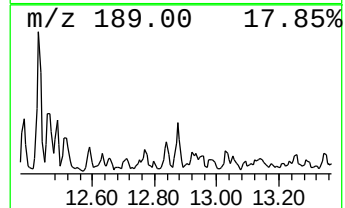
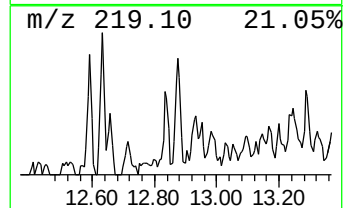
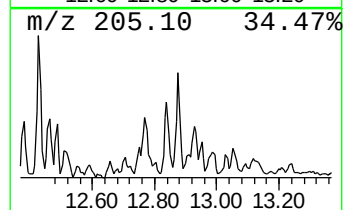
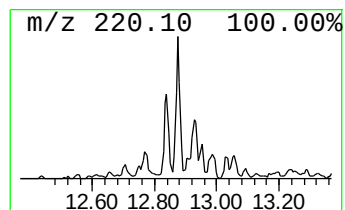
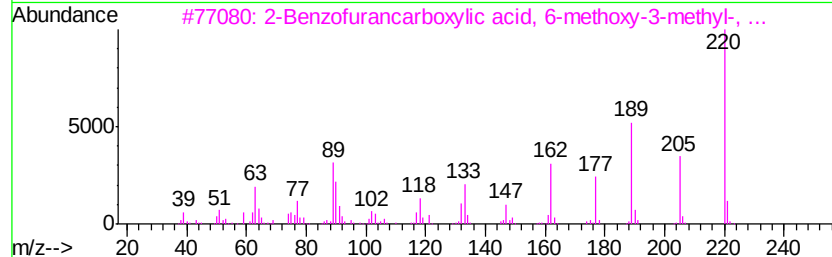
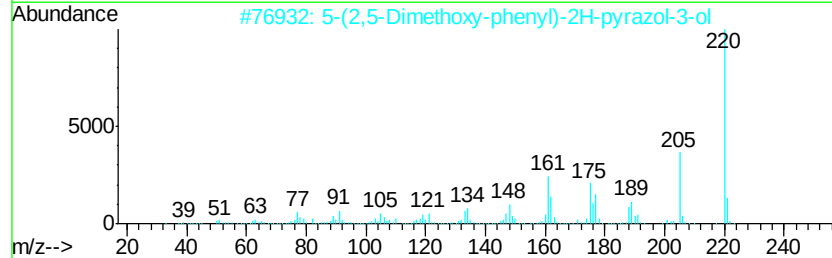
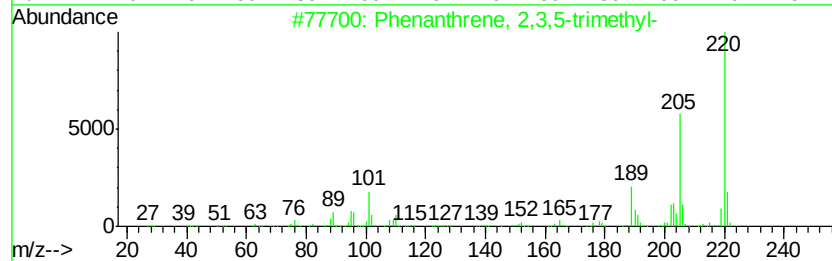
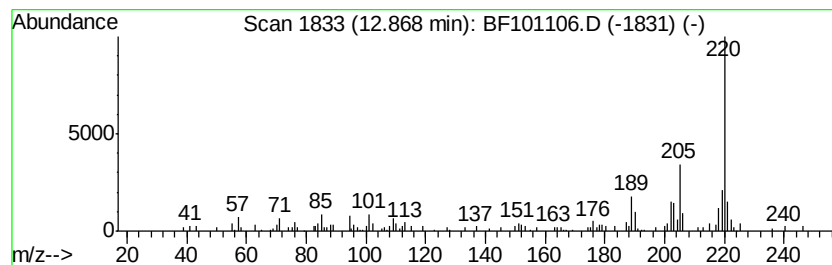
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	5.24 ng	114475	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2		5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	59
3		2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	53
4		Phenmethyleynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53
5		7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
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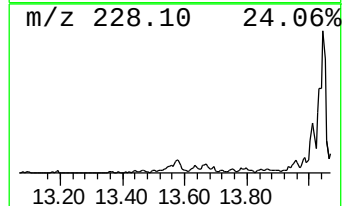
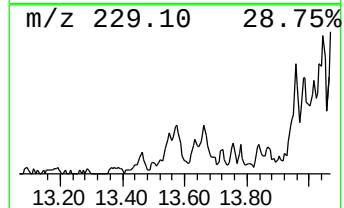
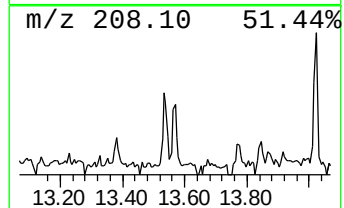
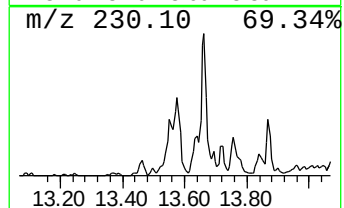
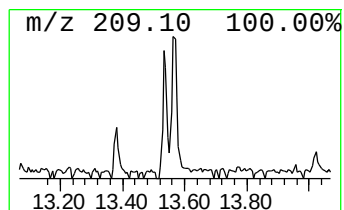
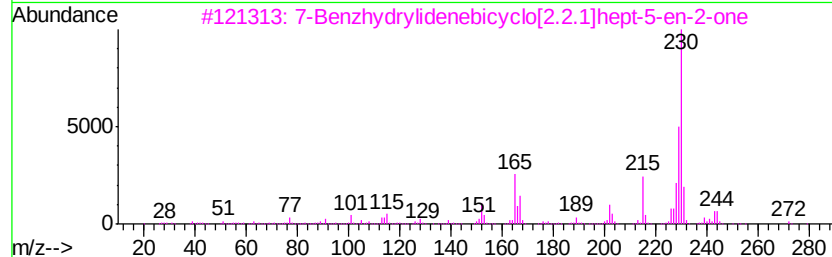
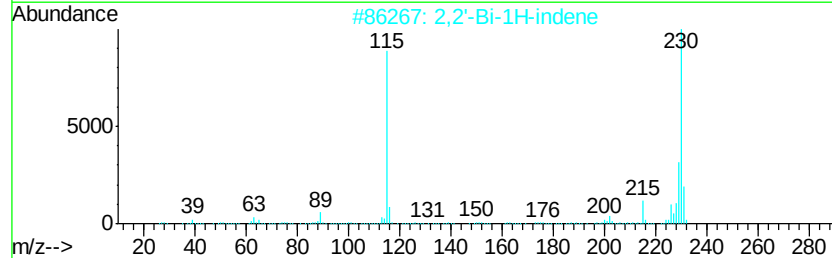
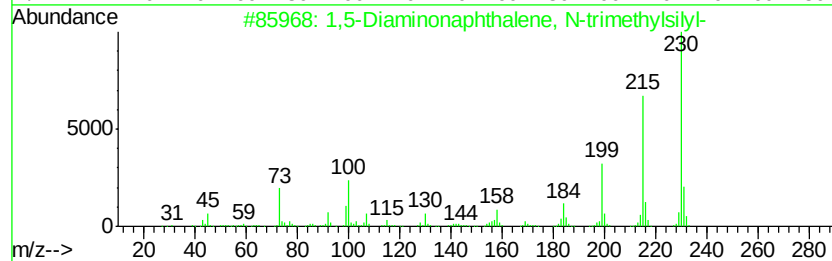
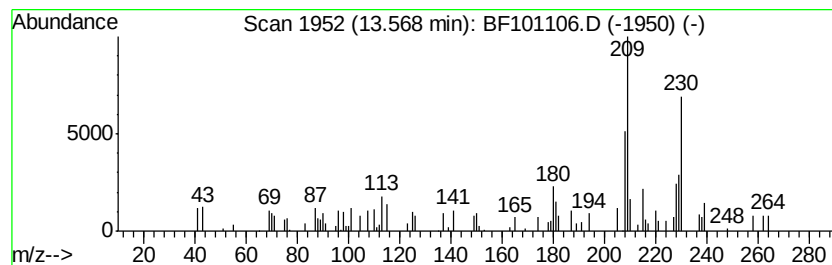
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,5-Diaminonaphthalene, N-t... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	4.70 ng	102781	Chrysene-d12	14.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,5-Diaminonaphthalene, N-trimet...	230	C13H18N2Si	1000364-96-3	53
2			2,2'-Bi-1H-indene	230	C18H14	000787-61-1	43
3			7-Benzhydrylidenebicyclo[2.2.1]h...	272	C20H16O	118999-90-9	37
4			Naphthalene, 2-styryl-	230	C18H14	002039-70-5	35
5			6,6-Diphenylfulvene	230	C18H14	002175-90-8	35



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ClientSampleId :
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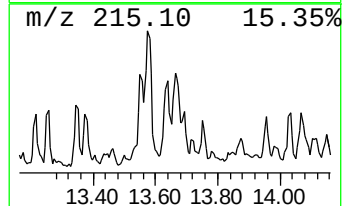
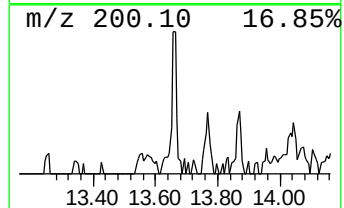
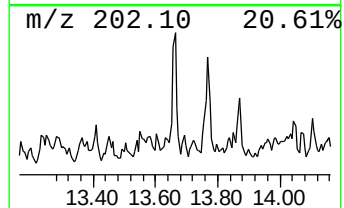
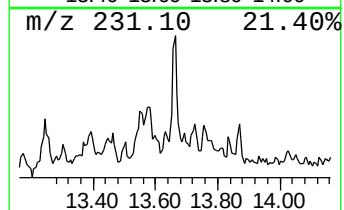
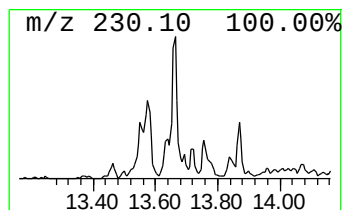
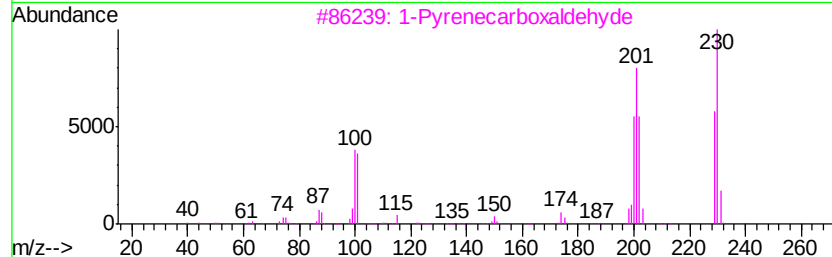
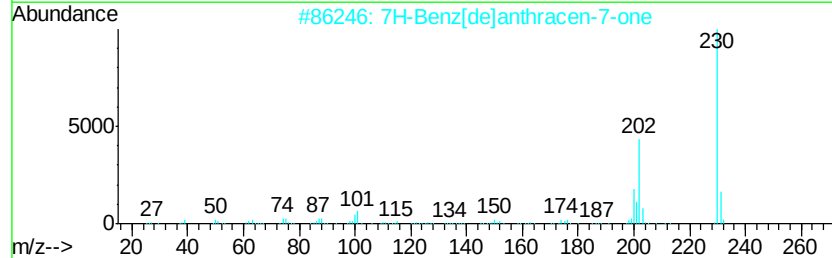
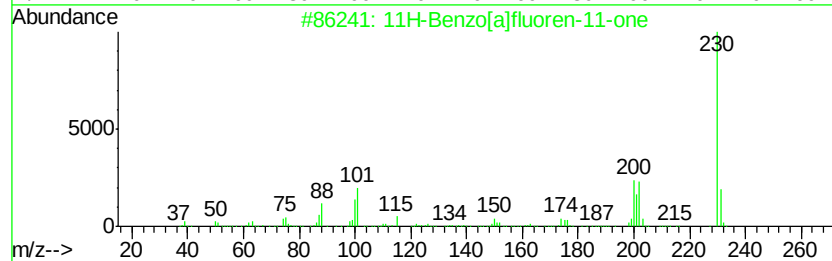
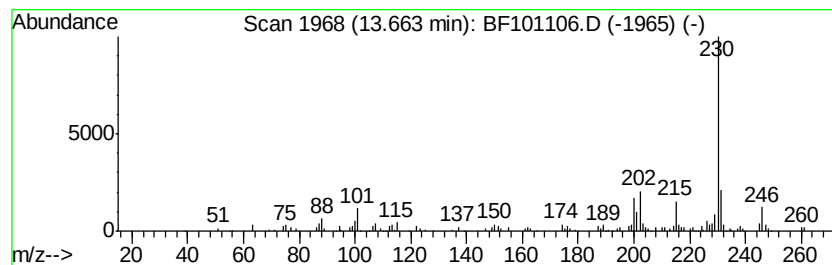
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	4.98 ng	108751	Chrysene-d12	14.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4			Pyrene, 1,9-dimethyl-	230	C18H14	074298-70-7	60
5			5,6-Dihydrochrysene	230	C18H14	002091-92-1	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101106.D
Acq On : 4 Dec 2017 18:56
Operator : SJ/JU
Sample : I6697-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

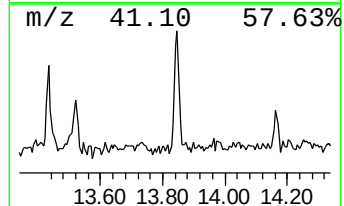
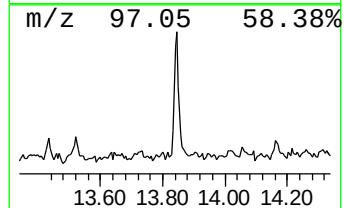
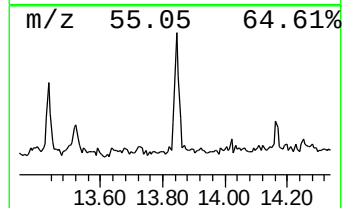
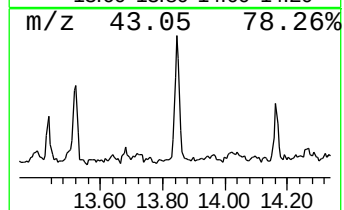
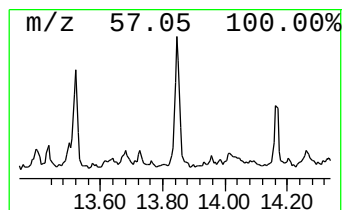
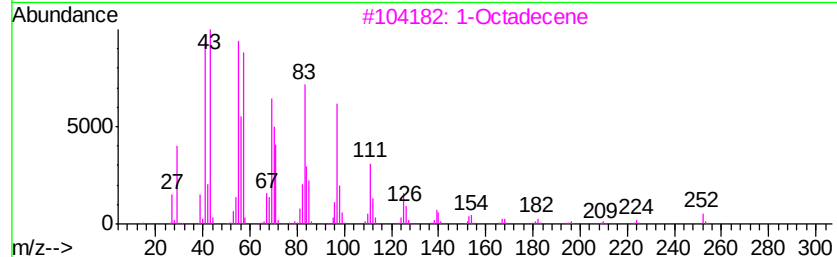
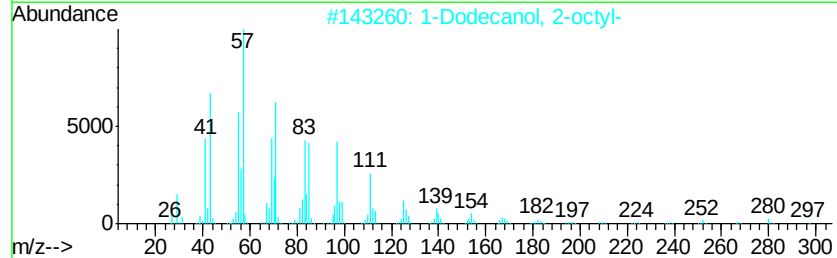
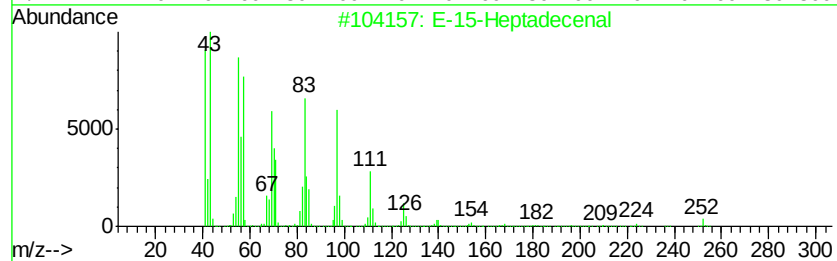
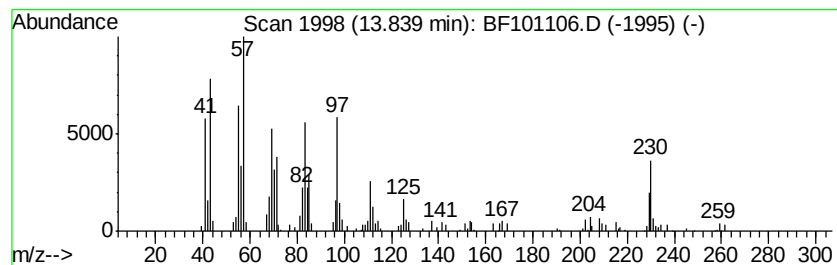
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 E-15-Heptadecenal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.84	6.97 ng	152245	Chrysene-d12		14.02	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-15-Heptadecenal		252	C17H32O	1000130-97-9	95
2	1-Dodecanol, 2-octyl-		298	C20H42O	005333-42-6	90
3	1-Octadecene		252	C18H36	000112-88-9	90
4	Cyclotetradecane		196	C14H28	000295-17-0	86
5	1-Decanol, 2-octyl-		270	C18H38O	045235-48-1	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
Data File : BF101106.D
Acq On : 4 Dec 2017 18:56
Operator : SJ/JU
Sample : I6697-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-04A

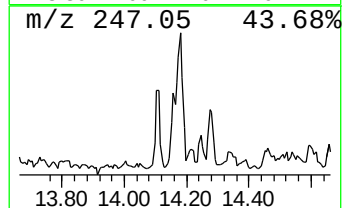
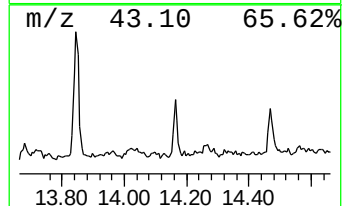
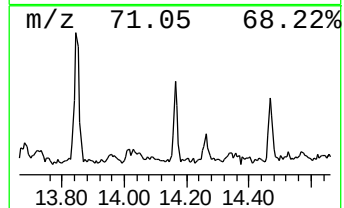
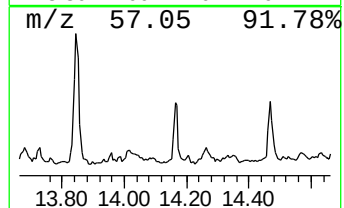
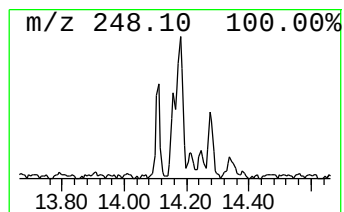
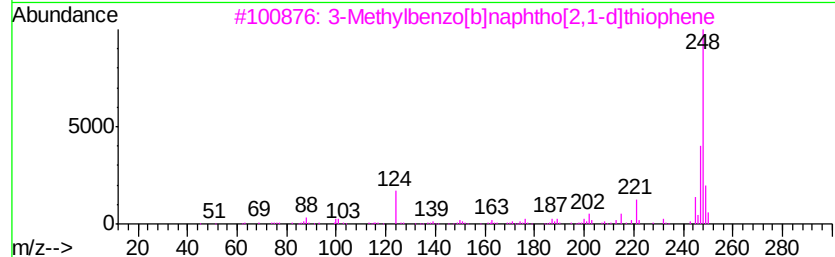
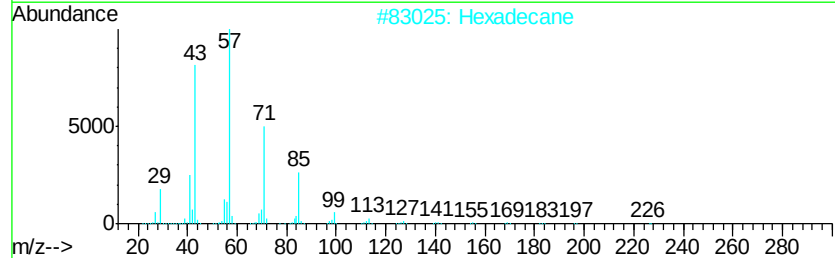
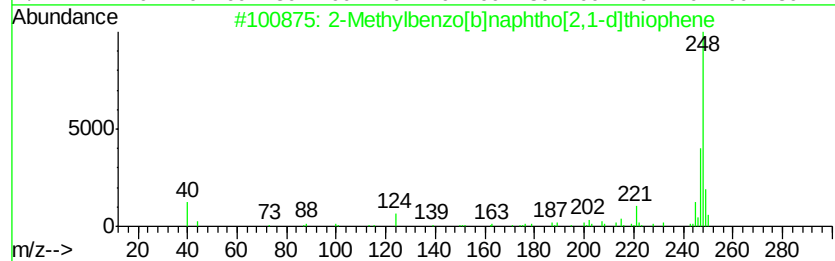
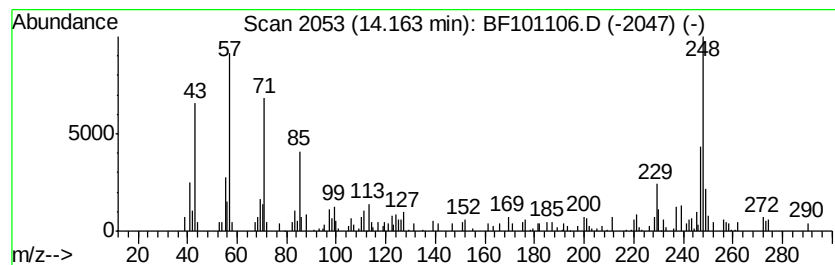
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2-Methylbenzo[b]naphtho[2,1... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	6.15 ng	134399	Chrysene-d12	14.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	1000326-06-8	95
2			Hexadecane	226	C16H34	000544-76-3	62
3			3-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	004567-45-7	55
4			Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	55
5			5-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	004567-49-1	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120417\
 Data File : BF101106.D
 Acq On : 4 Dec 2017 18:56
 Operator : SJ/JU
 Sample : I6697-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-04A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.07	5.7	ng	102443	1	6.85	357668	20.0
unknown6.62	6.62	57.0	ng	1019800	1	6.85	357668	20.0
Octane, 3,6-dimet...	8.55	5.7	ng	139457	2	8.13	490710	20.0
unknown10.79	10.79	10.0	ng	216659	4	11.37	434569	20.0
unknown11.13	11.13	4.8	ng	103816	4	11.37	434569	20.0
9H-Fluorene, 2,3-...	11.54	7.5	ng	163619	4	11.37	434569	20.0
Dibenzothiophene,...	11.70	6.3	ng	135773	4	11.37	434569	20.0
Phenanthrene, 4-m...	11.90	7.0	ng	151552	4	11.37	434569	20.0
Phenanthrene, 1-m...	11.99	6.4	ng	140005	4	11.37	434569	20.0
1,4-Ethenoanthrac...	12.17	7.5	ng	163238	4	11.37	434569	20.0
Phenanthrene, 3,6...	12.36	4.6	ng	100353	4	11.37	434569	20.0
Phenanthrene, 2,5...	12.43	9.3	ng	202862	4	11.37	434569	20.0
Hexadecane	12.45	6.5	ng	140715	4	11.37	434569	20.0
unknown12.59	12.59	6.0	ng	129465	4	11.37	434569	20.0
Phenanthrene, 2,3...	12.87	5.2	ng	114475	5	14.02	436923	20.0
1,5-Diaminonaphth...	13.57	4.7	ng	102781	5	14.02	436923	20.0
11H-Benzo[a]fluor...	13.66	5.0	ng	108751	5	14.02	436923	20.0
E-15-Heptadecenal	13.84	7.0	ng	152245	5	14.02	436923	20.0
2-Methylbenzo[b]n...	14.16	6.2	ng	134399	5	14.02	436923	20.0