

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100218\
 Data File : BF109501.D
 Acq On : 2 Oct 2018 15:11
 Operator : JU/SJ
 Sample : J5200-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.887	473	476	484	rBV	20981	28033	2.29%	0.123%
2	5.316	545	549	574	rBV	506650	811547	66.27%	3.555%
3	6.345	720	724	742	rBV	729808	947682	77.38%	4.151%
4	6.475	742	746	767	rVB	850923	980046	80.03%	4.293%
5	6.704	781	785	795	rBV	600079	642418	52.46%	2.814%
6	6.857	807	811	825	rBV	777939	759520	62.02%	3.327%
7	7.263	876	880	895	rBV	562293	605322	49.43%	2.652%
8	7.986	999	1003	1014	rBV	802102	893504	72.96%	3.914%
9	8.698	1120	1124	1128	rBV	26097	26855	2.19%	0.118%
10	8.792	1136	1140	1150	rVB	42935	50748	4.14%	0.222%
11	9.057	1181	1185	1196	rBV	1465387	1224663	100.00%	5.365%
12	9.151	1196	1201	1207	rVV5	19968	27986	2.29%	0.123%
13	9.327	1226	1231	1234	rBV	29633	41685	3.40%	0.183%
14	9.392	1239	1242	1245	rVV	55207	64873	5.30%	0.284%
15	9.422	1245	1247	1249	rVV	39327	34259	2.80%	0.150%
16	9.451	1249	1252	1257	rVV	123286	136733	11.16%	0.599%
17	9.510	1260	1262	1267	rVB	30427	39240	3.20%	0.172%
18	9.592	1273	1276	1281	rVB	67311	65396	5.34%	0.286%
19	9.733	1294	1300	1303	rBV	1114898	984320	80.37%	4.312%
20	9.763	1303	1305	1309	rVB	111394	99033	8.09%	0.434%
21	9.939	1332	1335	1339	rVB	62594	60457	4.94%	0.265%
22	10.051	1349	1354	1357	rBV	33601	40365	3.30%	0.177%
23	10.139	1365	1369	1371	rBV3	23706	30022	2.45%	0.132%
24	10.274	1389	1392	1399	rVB	134161	144021	11.76%	0.631%
25	10.345	1399	1404	1405	rBV2	23129	30214	2.47%	0.132%
26	10.392	1409	1412	1417	rVV4	31272	43420	3.55%	0.190%
27	10.433	1417	1419	1424	rVB2	29478	34932	2.85%	0.153%
28	10.516	1429	1433	1438	rBV	733983	701842	57.31%	3.074%
29	10.645	1452	1455	1462	rVB2	61616	74721	6.10%	0.327%
30	10.821	1481	1485	1488	rBV2	45079	58478	4.78%	0.256%
31	10.851	1488	1490	1493	rVV2	40132	36637	2.99%	0.160%
32	10.904	1497	1499	1503	rVB2	31988	29508	2.41%	0.129%
33	11.110	1529	1534	1540	rVB2	62865	113421	9.26%	0.497%
34	11.210	1547	1551	1553	rBV	1042002	942031	76.92%	4.127%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.233	1553	1555	1559	rVV	737257	586477	47.89%	2.569%
36	11.286	1561	1564	1568	rVB	154241	131138	10.71%	0.574%
37	11.321	1568	1570	1574	rBV2	34810	35583	2.91%	0.156%
38	11.445	1588	1591	1594	rBV	49712	51389	4.20%	0.225%
39	11.510	1599	1602	1605	rVV2	26556	33732	2.75%	0.148%
40	11.539	1605	1607	1614	rVB2	53791	54111	4.42%	0.237%
41	11.616	1616	1620	1625	rVB2	156653	157021	12.82%	0.688%
42	11.710	1632	1636	1639	rVV	158994	155756	12.72%	0.682%
43	11.739	1639	1641	1646	rVV	208456	232038	18.95%	1.016%
44	11.786	1646	1649	1652	rVV	71036	66647	5.44%	0.292%
45	11.821	1652	1655	1657	rVV	270384	267644	21.85%	1.172%
46	11.845	1657	1659	1664	rVB	135815	121031	9.88%	0.530%
47	11.921	1669	1672	1674	rVV3	31078	27755	2.27%	0.122%
48	12.004	1683	1686	1689	rVV	85417	79695	6.51%	0.349%
49	12.033	1689	1691	1697	rVB2	42297	52245	4.27%	0.229%
50	12.186	1715	1717	1719	rBV	48489	39645	3.24%	0.174%
51	12.210	1719	1721	1723	rVB2	43612	33774	2.76%	0.148%
52	12.263	1725	1730	1732	rBV	131179	151098	12.34%	0.662%
53	12.298	1732	1736	1737	rVV	395989	361580	29.52%	1.584%
54	12.315	1737	1739	1742	rVV	443480	381669	31.17%	1.672%
55	12.345	1742	1744	1749	rVB3	62411	82415	6.73%	0.361%
56	12.421	1752	1757	1760	rBV	667364	664866	54.29%	2.912%
57	12.463	1762	1764	1766	rBV	28259	27356	2.23%	0.120%
58	12.568	1779	1782	1786	rVV3	33354	43641	3.56%	0.191%
59	12.645	1789	1795	1798	rBV	694135	720998	58.87%	3.158%
60	12.704	1802	1805	1809	rVB4	49108	68463	5.59%	0.300%
61	12.763	1812	1815	1817	rBV	41776	45035	3.68%	0.197%
62	12.792	1817	1820	1827	rVB	1225746	1078398	88.06%	4.724%
63	12.863	1827	1832	1836	rBV4	91439	132555	10.82%	0.581%
64	12.951	1844	1847	1848	rBV3	69286	71052	5.80%	0.311%
65	12.974	1848	1851	1855	rVB	163216	168037	13.72%	0.736%
66	13.039	1855	1862	1865	rBV	154706	163857	13.38%	0.718%
67	13.074	1865	1868	1876	rBV	117134	143881	11.75%	0.630%
68	13.168	1881	1884	1887	rVB	94683	74895	6.12%	0.328%
69	13.198	1887	1889	1893	rVB	104729	87491	7.14%	0.383%
70	13.286	1901	1904	1908	rVB4	22946	32095	2.62%	0.141%
71	13.374	1916	1919	1921	rBV2	46565	46094	3.76%	0.202%

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72	13.457	1929	1933	1935	rBV2	33841	46789	3.82%	0.205%
73	13.480	1935	1937	1941	rVB2	48013	62938	5.14%	0.276%
74	13.586	1951	1955	1958	rVV2	66919	101208	8.26%	0.443%
75	13.615	1958	1960	1962	rVV	72744	60540	4.94%	0.265%
76	13.639	1962	1964	1968	rVV2	46455	60793	4.96%	0.266%
77	13.698	1970	1974	1982	rVB4	84471	145154	11.85%	0.636%
78	13.839	1993	1998	2001	rBV2	958831	1158562	94.60%	5.075%
79	13.862	2001	2002	2010	rVB	309541	247445	20.21%	1.084%
80	13.927	2010	2013	2014	rBV	28860	28008	2.29%	0.123%
81	13.986	2020	2023	2024	rVV	25755	27900	2.28%	0.122%
82	14.015	2026	2028	2032	rVB3	55589	56283	4.60%	0.247%
83	14.227	2059	2064	2066	rVV	105767	128845	10.52%	0.564%
84	14.257	2067	2069	2072	rVV	66667	58015	4.74%	0.254%
85	14.298	2073	2076	2077	rVV2	29471	33307	2.72%	0.146%
86	14.321	2077	2080	2082	rVV2	104310	110946	9.06%	0.486%
87	14.351	2082	2085	2086	rVV	68220	72553	5.92%	0.318%
88	14.368	2086	2088	2092	rVB3	64727	61717	5.04%	0.270%
89	14.615	2126	2130	2137	rBV2	90932	138560	11.31%	0.607%
90	14.845	2165	2169	2177	rBV	233168	431592	35.24%	1.891%
91	14.927	2180	2183	2190	rVB3	105192	161573	13.19%	0.708%
92	15.127	2213	2217	2222	rVB	147413	190883	15.59%	0.836%
93	15.180	2223	2226	2232	rVV	221321	277284	22.64%	1.215%
94	15.245	2232	2237	2240	rVV	655547	776635	63.42%	3.402%
95	15.274	2240	2242	2249	rVB3	148225	201066	16.42%	0.881%
96	15.680	2307	2311	2316	rVB	115133	155138	12.67%	0.680%
97	16.139	2384	2389	2398	rBV	89767	164478	13.43%	0.720%
98	16.592	2461	2466	2473	rVB2	85954	167320	13.66%	0.733%
99	16.680	2476	2481	2488	rVB3	66159	134209	10.96%	0.588%
100	16.992	2530	2534	2540	rBV	53294	93636	7.65%	0.410%

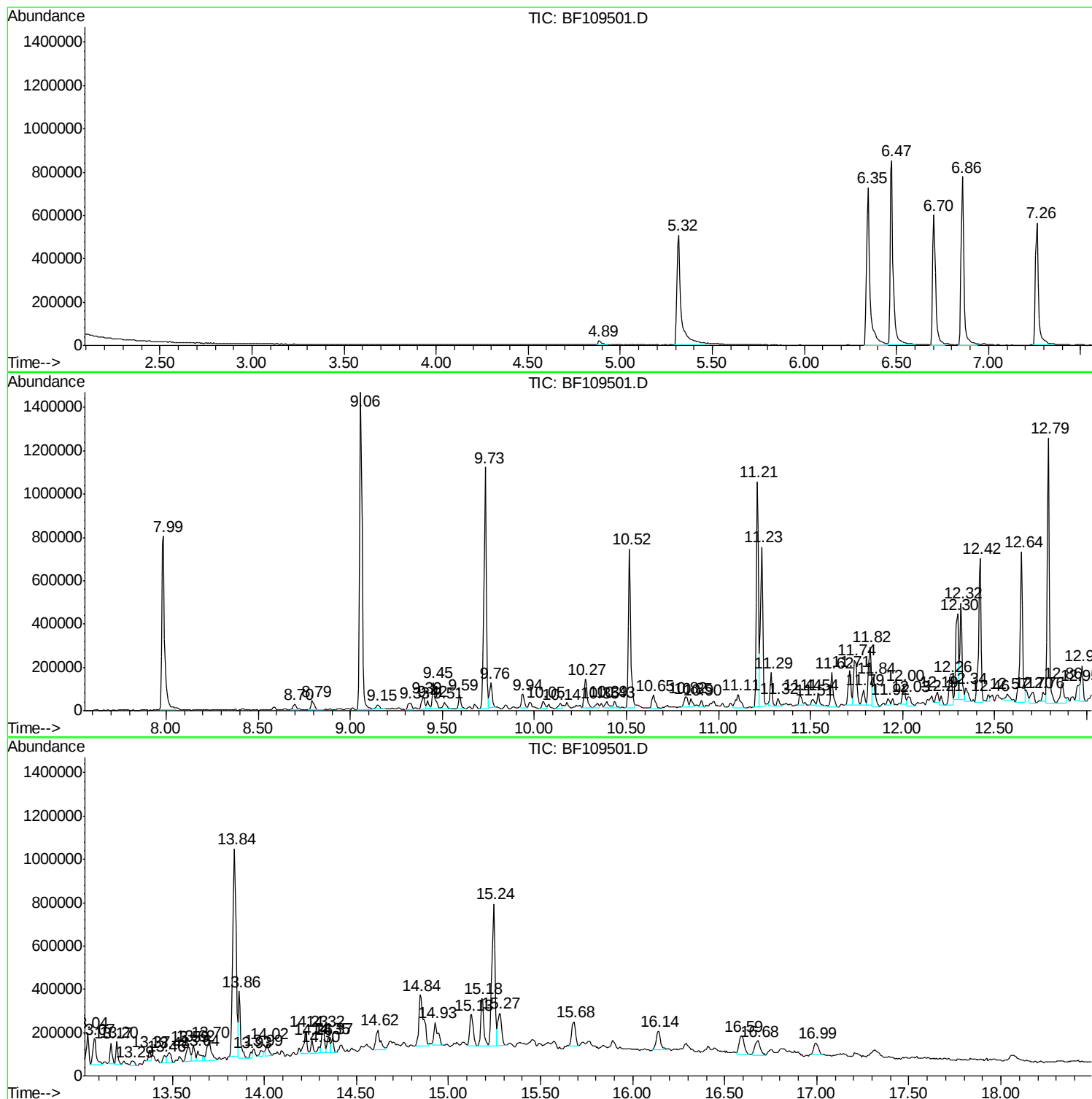
Sum of corrected areas: 22828466

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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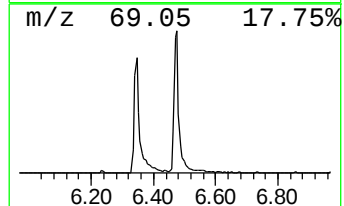
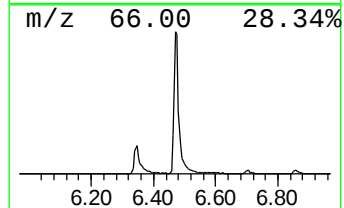
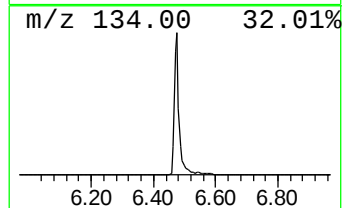
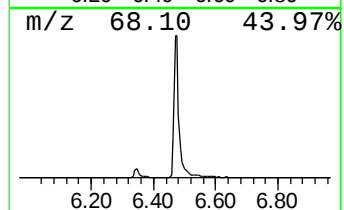
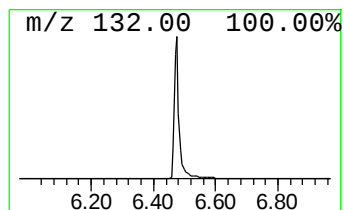
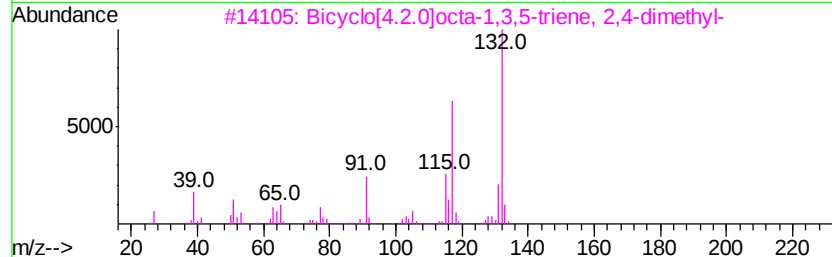
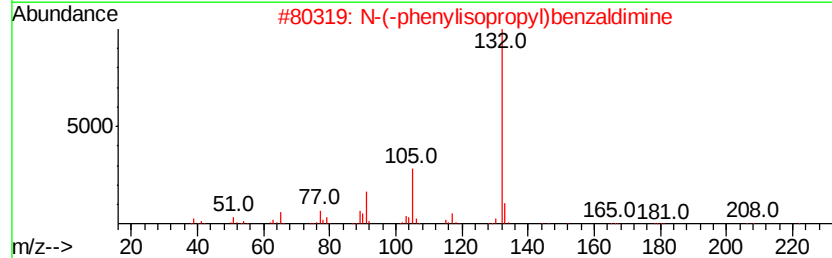
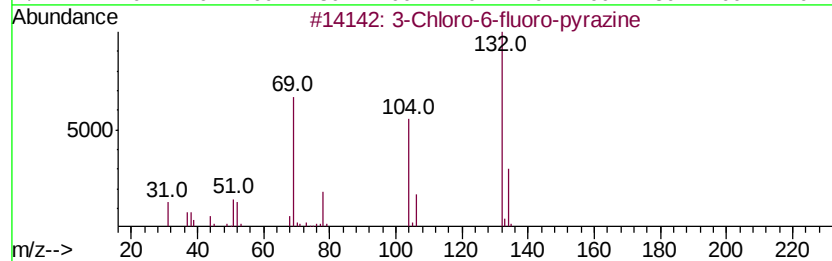
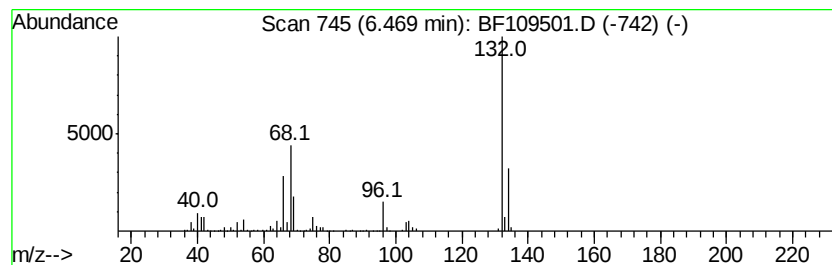
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	30.51 ng	980046	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		N-(-phenylisopropyl)benzalimine	223	C16H17N	1000379-01-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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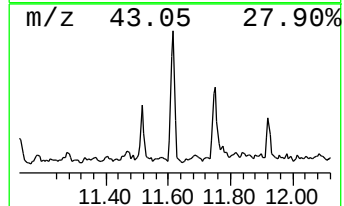
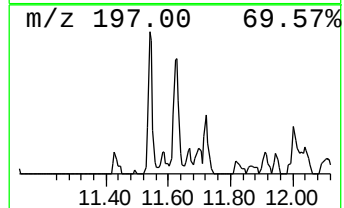
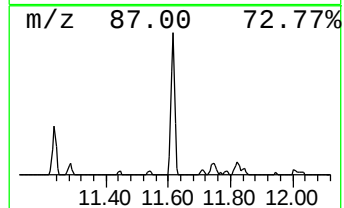
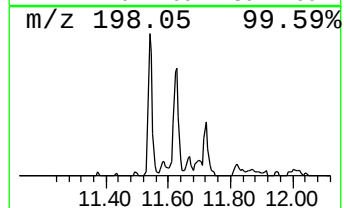
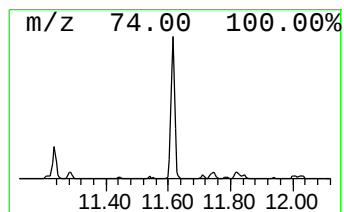
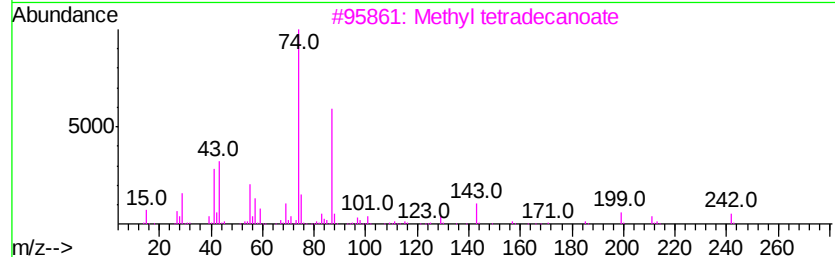
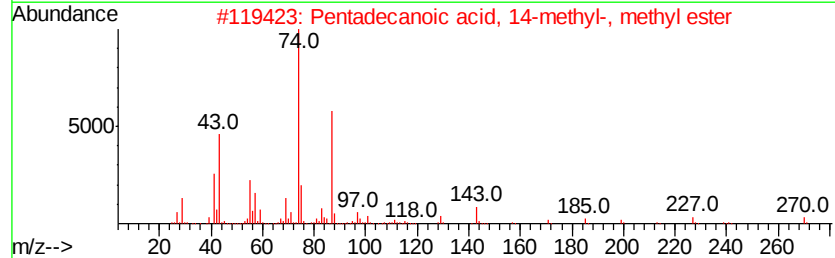
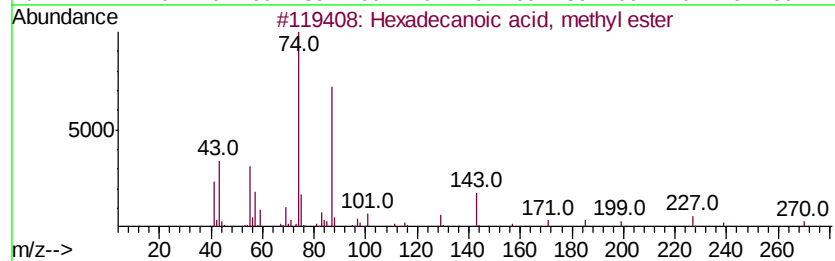
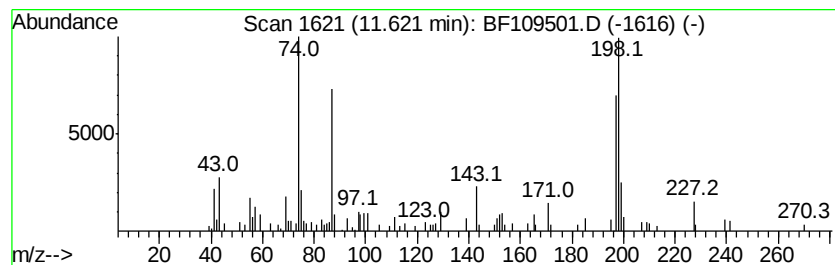
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.62	3.33 ng	157021	Phenanthrene-d10		11.21
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	74
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	72
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	72



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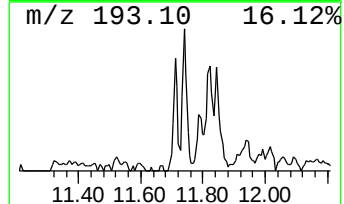
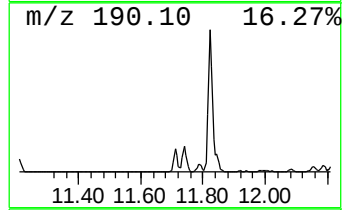
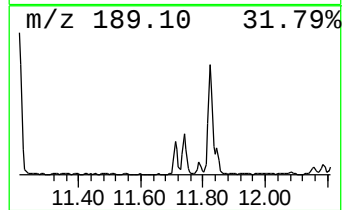
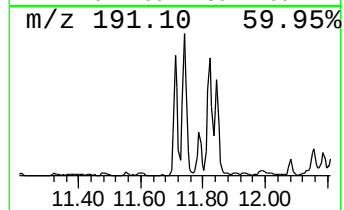
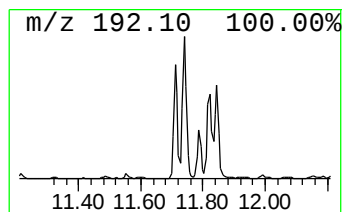
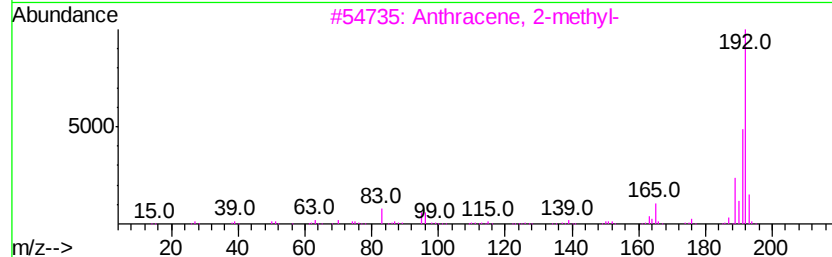
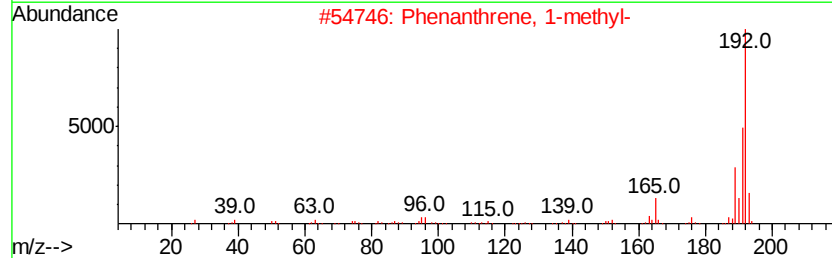
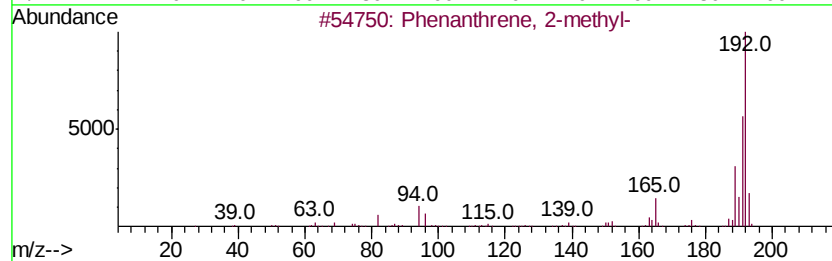
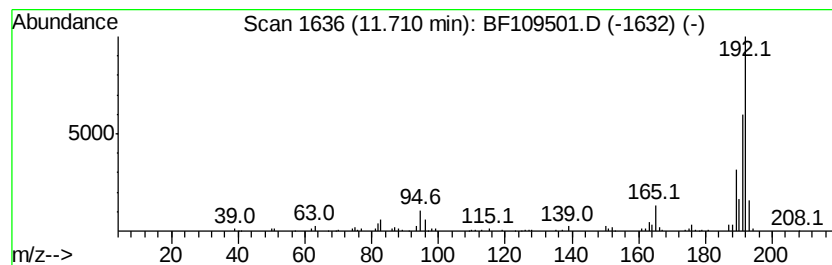
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	3.31 ng	155756	Phenanthrene-d10	11.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



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Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

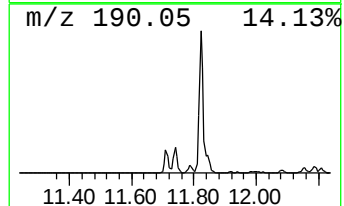
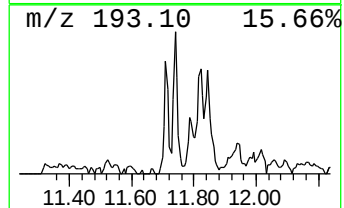
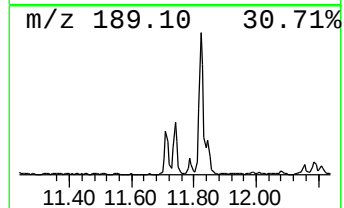
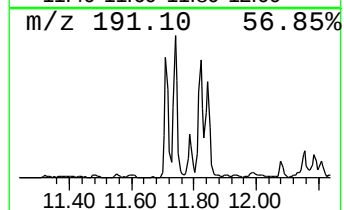
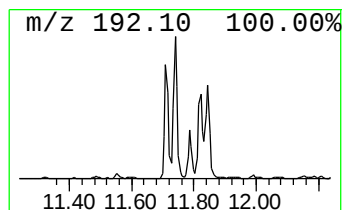
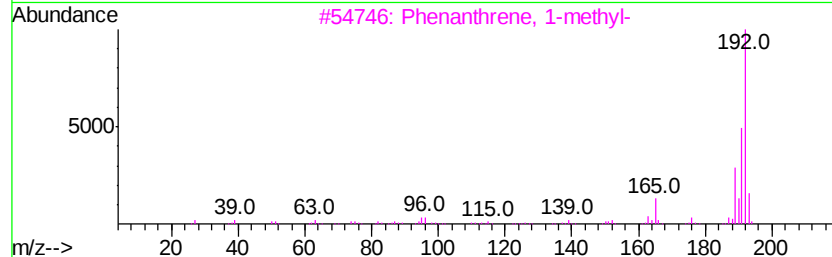
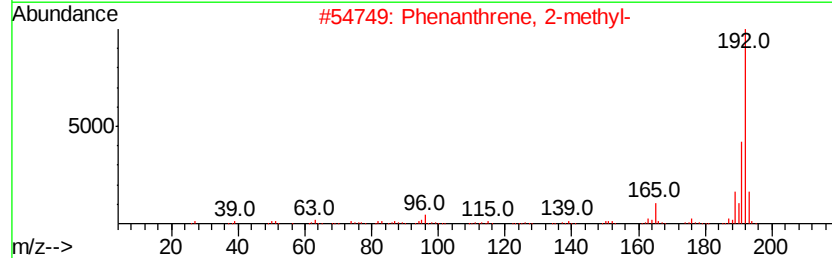
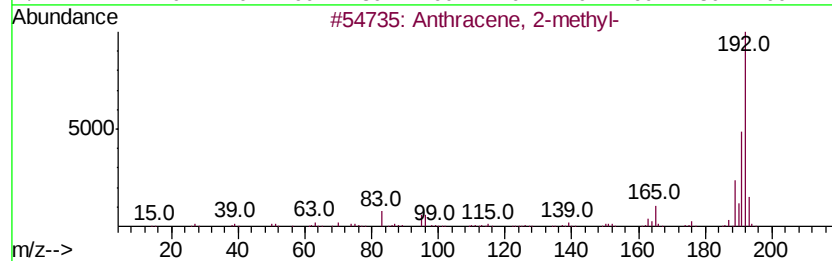
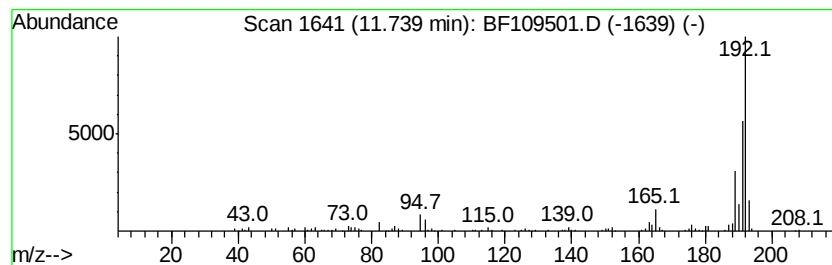
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	4.93 ng	232038	Phenanthrene-d10	11.21

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
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Operator : JU/SJ
Sample : J5200-01 2X
Misc :
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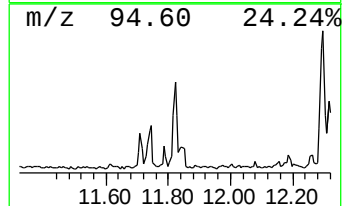
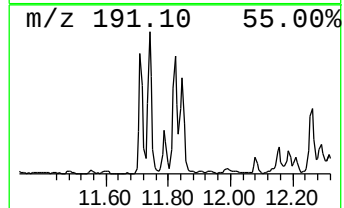
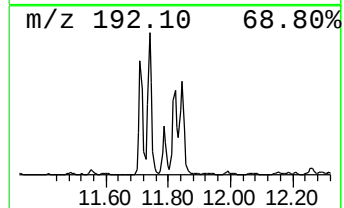
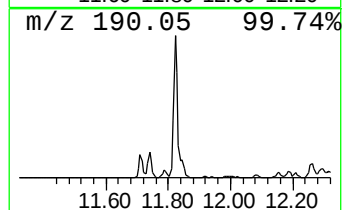
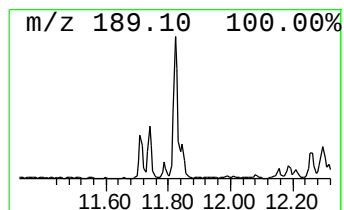
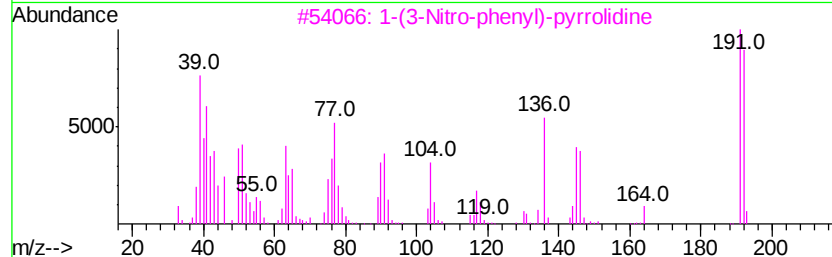
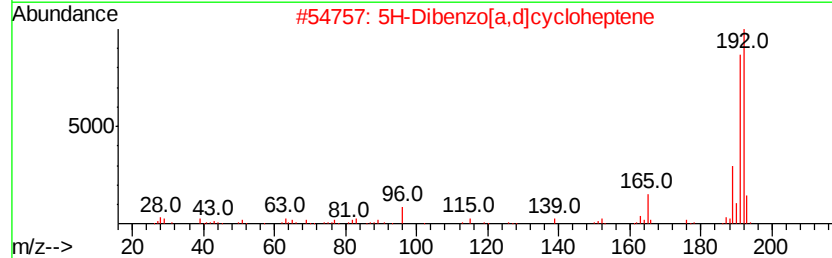
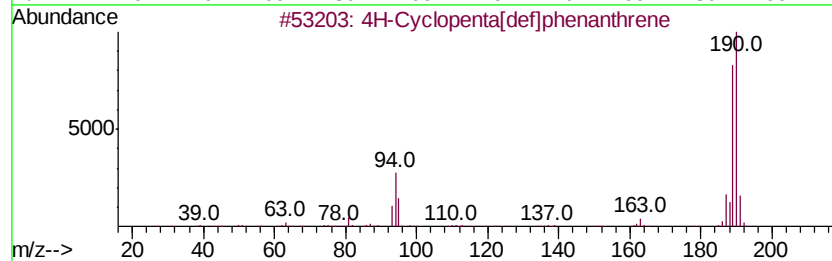
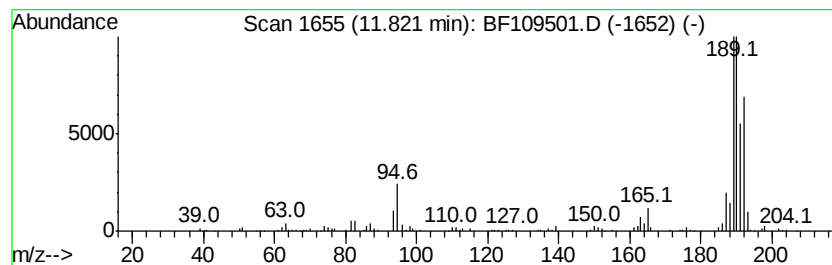
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	5.68 ng	267644	Phenanthrene-d10	11.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
3	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	22
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
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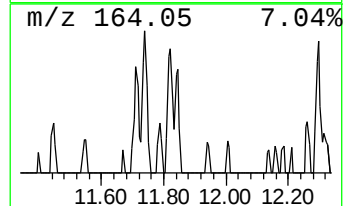
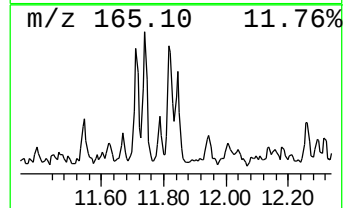
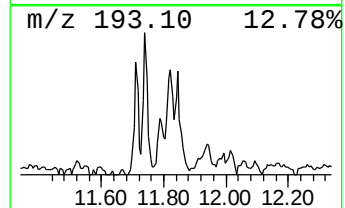
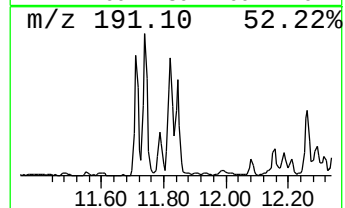
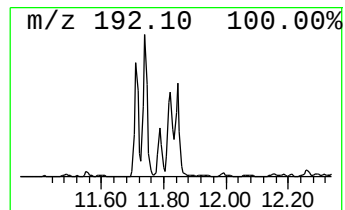
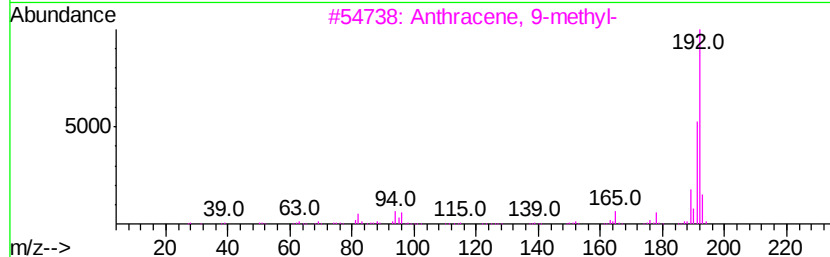
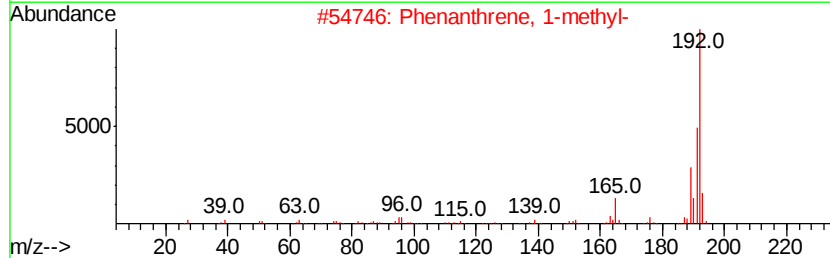
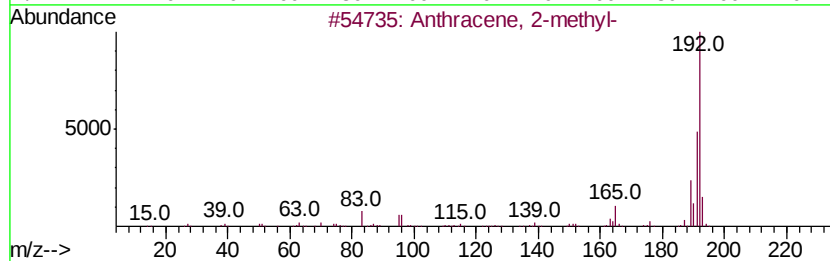
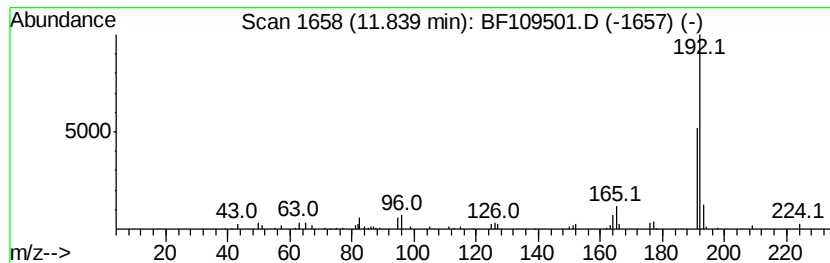
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	2.57 ng	121031	Phenanthrene-d10	11.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

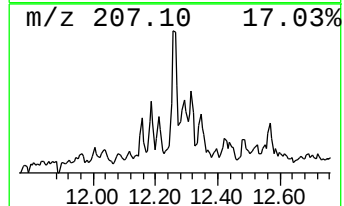
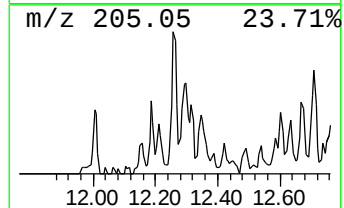
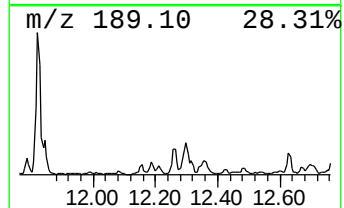
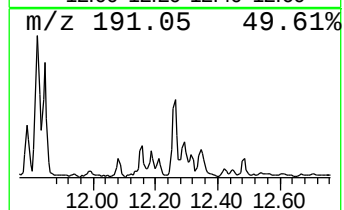
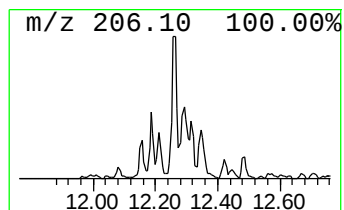
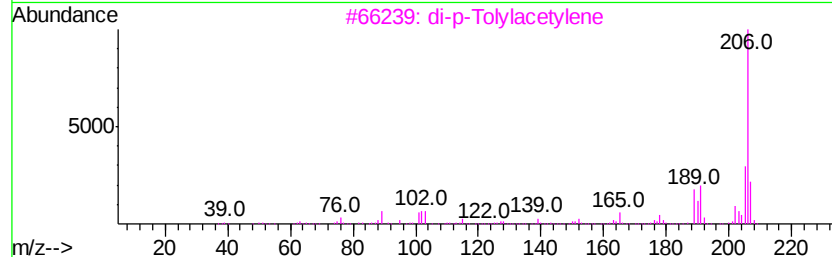
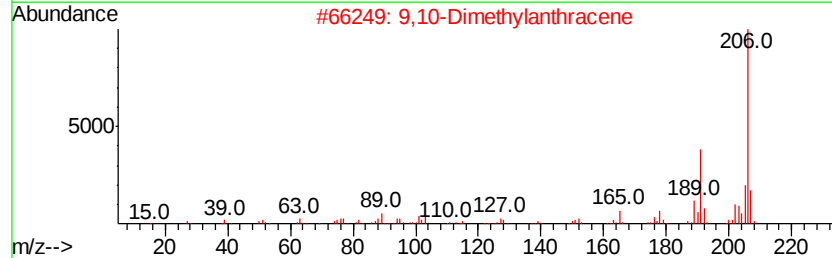
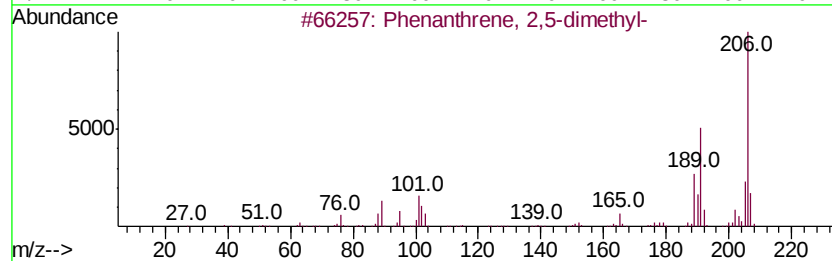
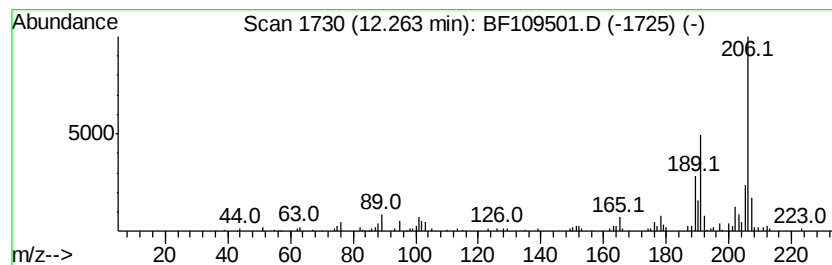
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.21 ng	151098	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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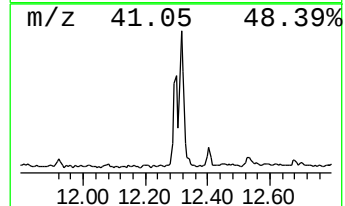
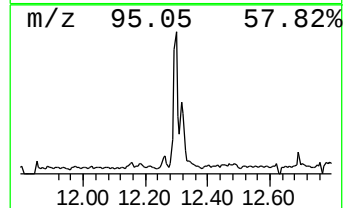
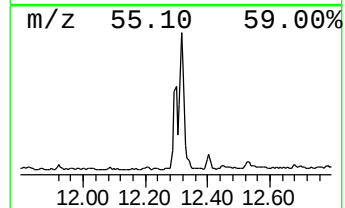
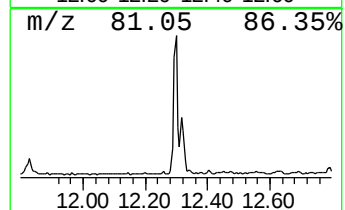
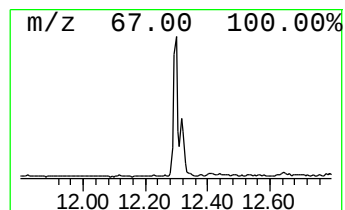
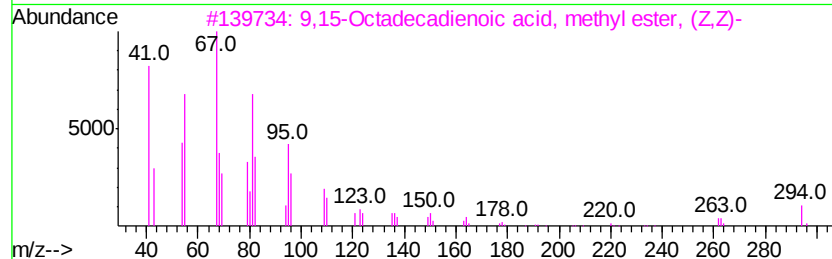
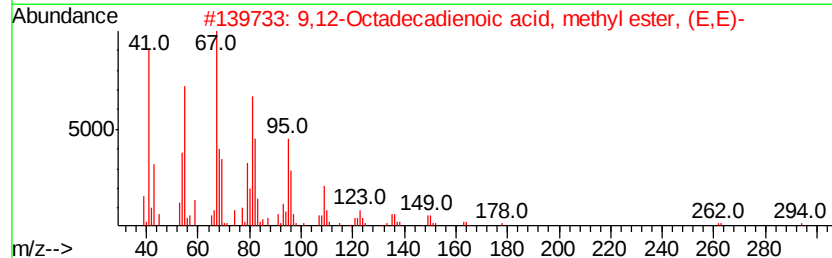
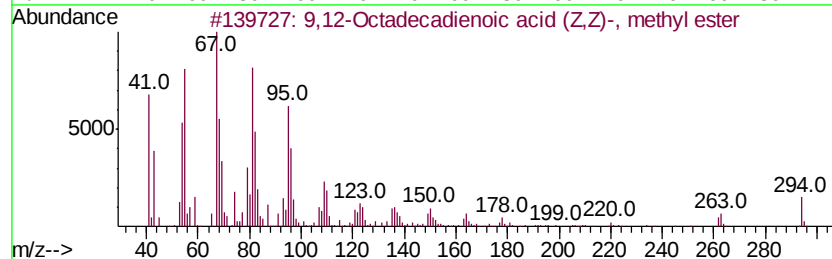
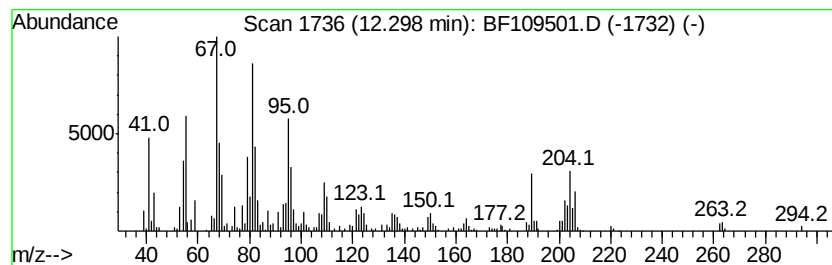
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,12-Octadecadienoic acid (... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.68 ng	361580	Phenanthrene-d10	11.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97
3			9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	97
4			12,15-Octadecadienoic acid, meth...	294	C19H34O2	057156-97-5	95
5			9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
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Misc :
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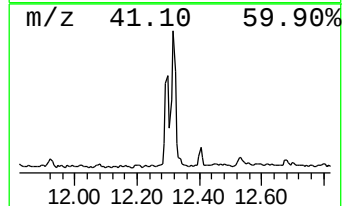
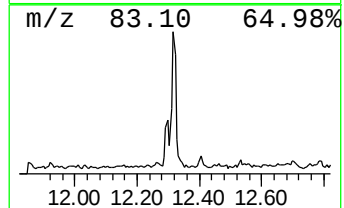
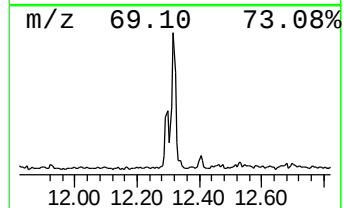
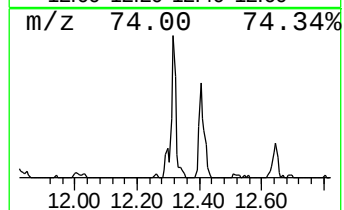
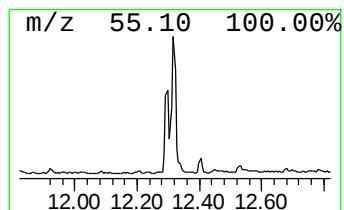
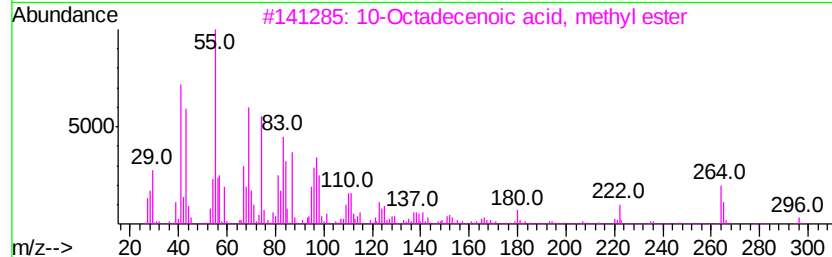
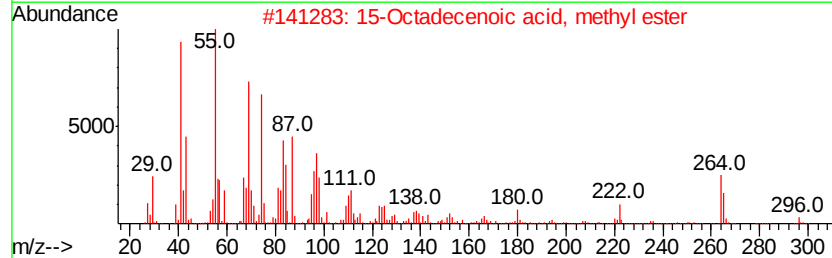
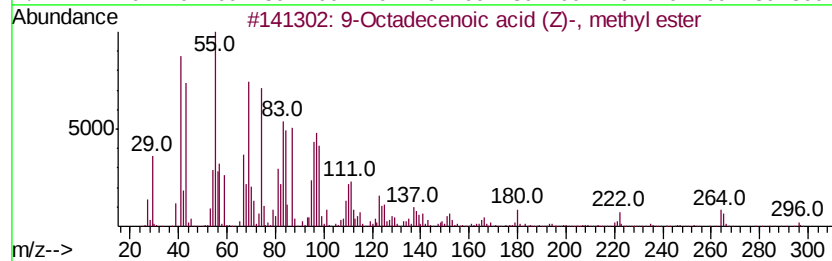
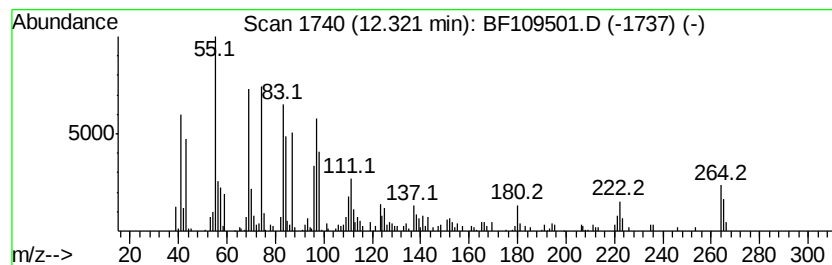
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	8.10 ng	381669	Phenanthrene-d10	11.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94
2			15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	70
3			10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	70
4			Z-7-Pentadecenol	226	C15H30O	1000130-76-6	64
5			6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
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Sample : J5200-01 2X
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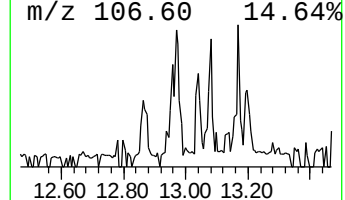
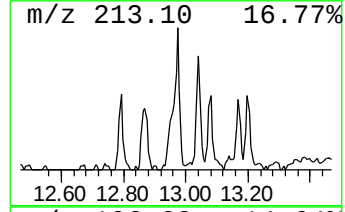
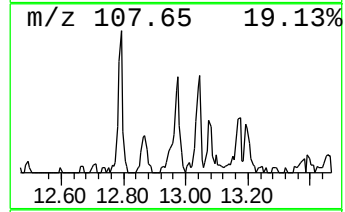
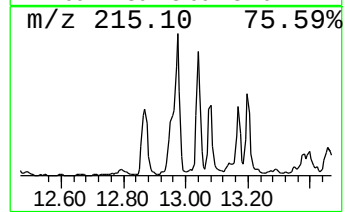
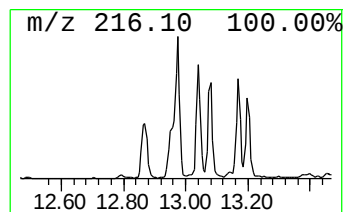
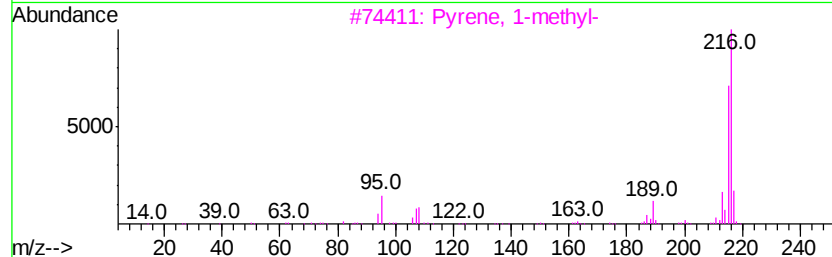
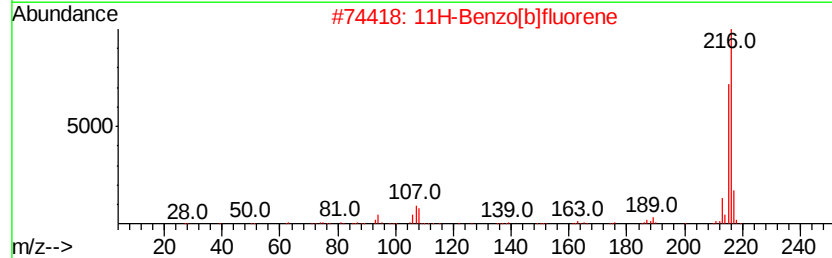
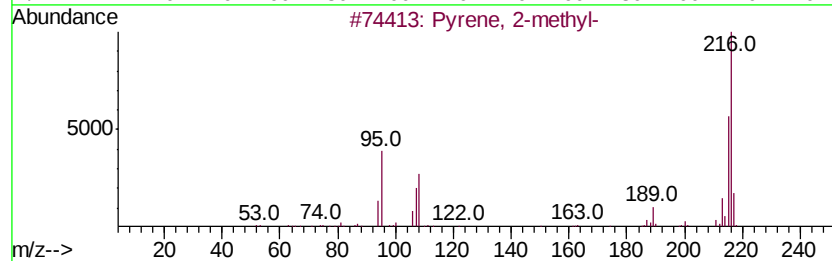
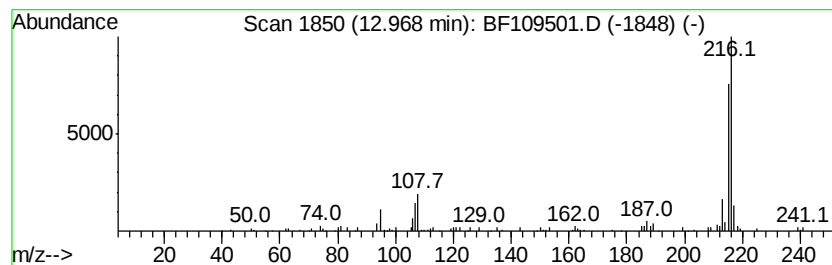
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ClientSampleId :
OR-02-100118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.97	2.90 ng	168037	Chrysene-d12	13.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

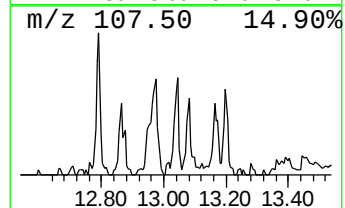
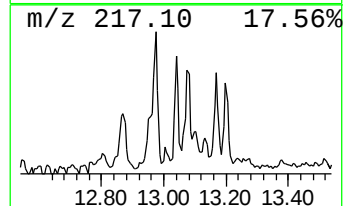
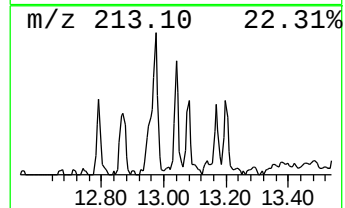
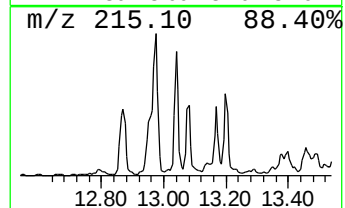
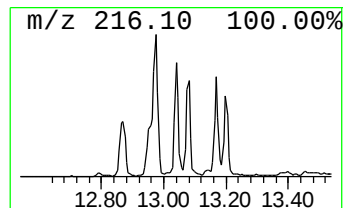
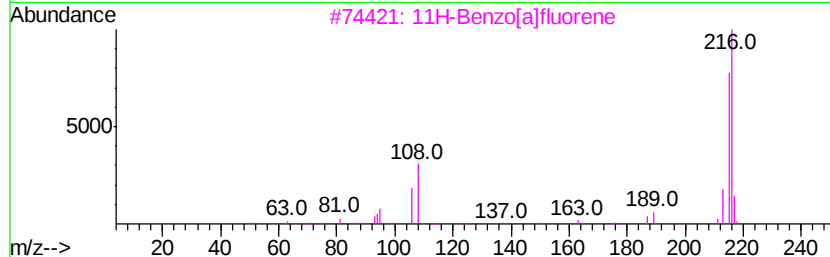
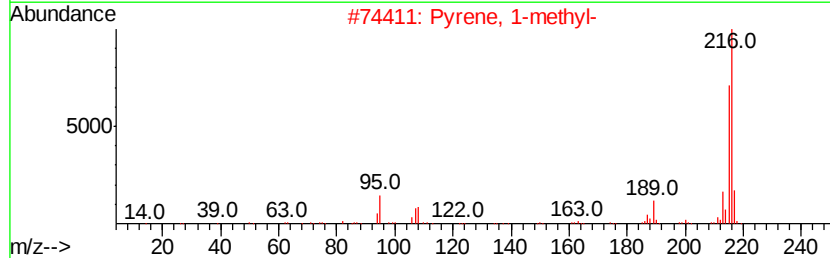
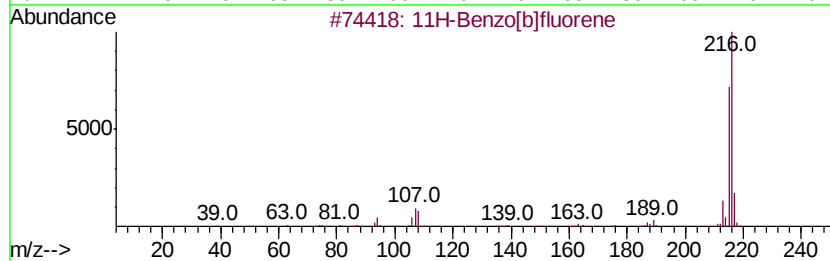
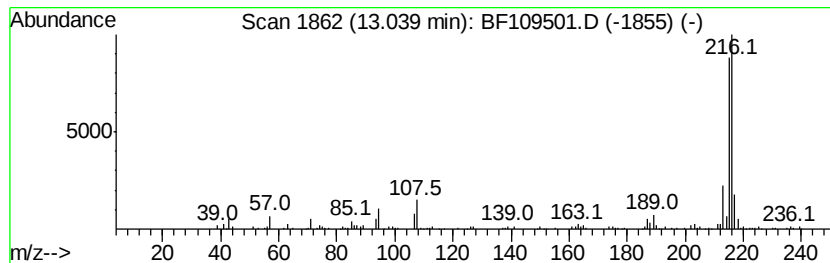
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ClientSampleId :
OR-02-100118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.04	2.83 ng	163857	Chrysene-d12	13.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
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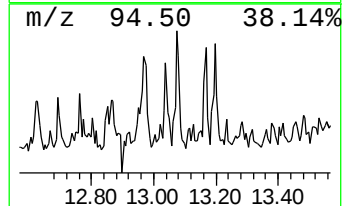
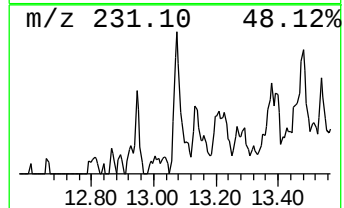
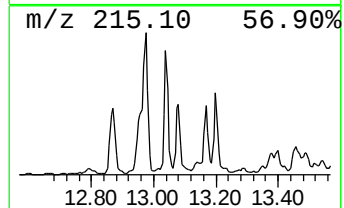
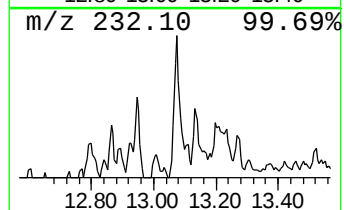
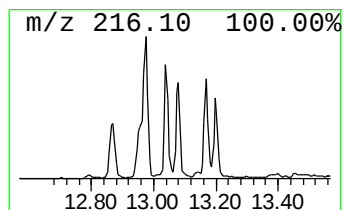
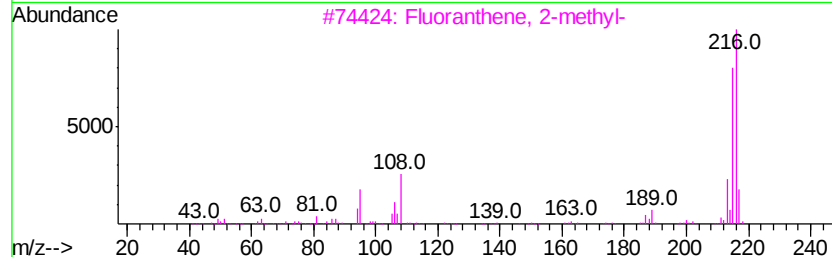
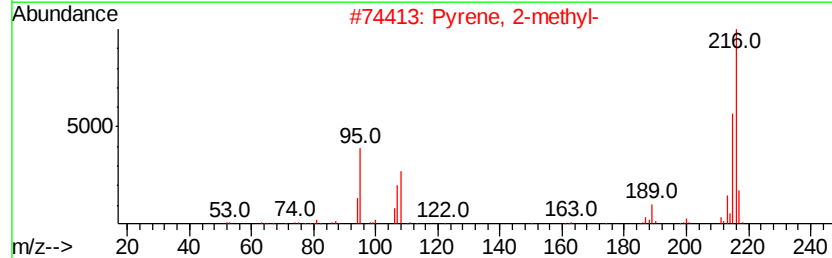
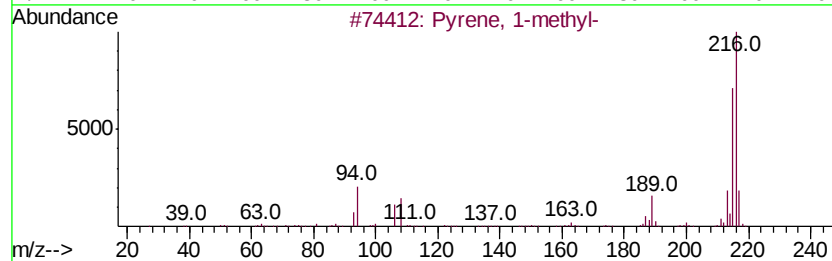
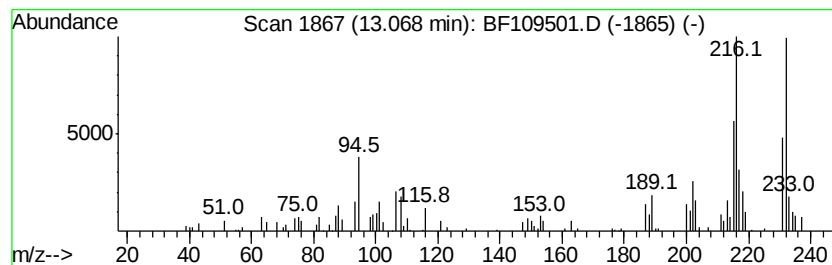
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.48 ng	143881	Chrysene-d12	13.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4		11H-Benzo[alfluorene	216	C17H12	000238-84-6	64
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
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Operator : JU/SJ
Sample : J5200-01 2X
Misc :
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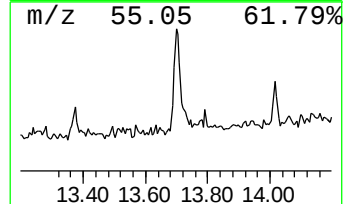
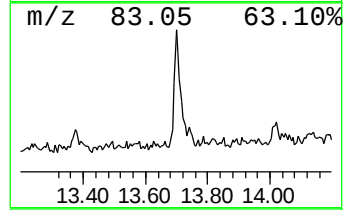
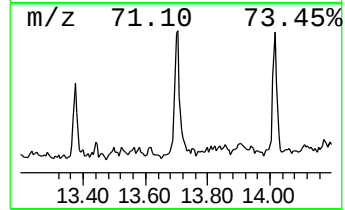
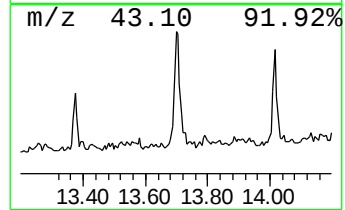
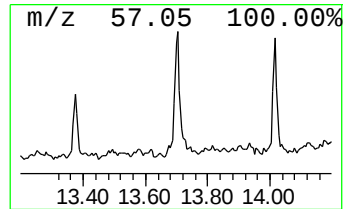
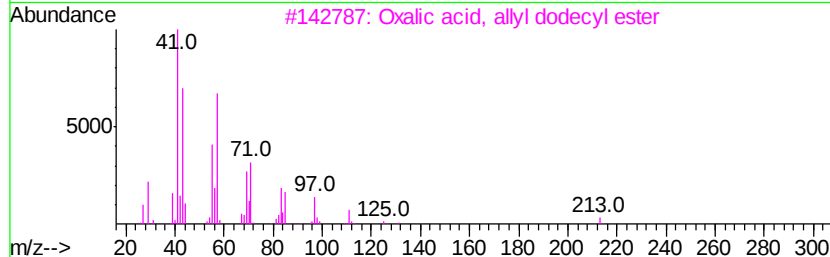
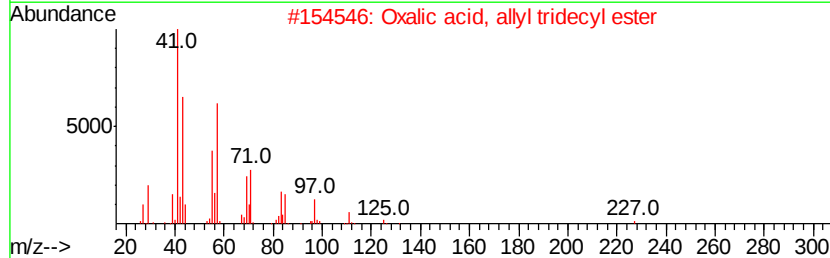
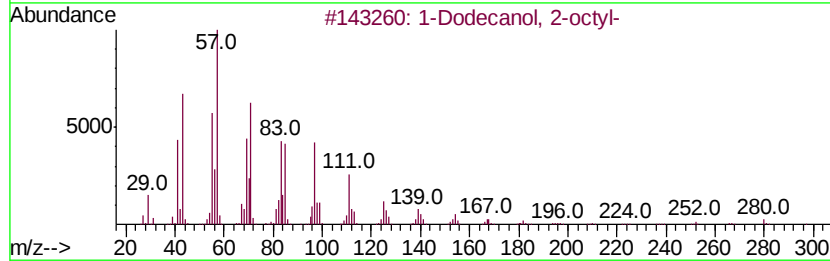
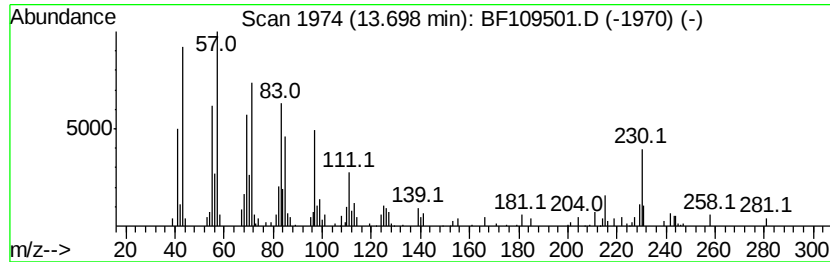
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Dodecanol, 2-octyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.70	2.51 ng	145154	Chrysene-d12	13.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	70
2	Oxalic acid, allyl tridecyl ester	312	C18H32O4	1000309-24-1	68
3	Oxalic acid, allyl dodecyl ester	298	C17H30O4	1000309-24-0	68
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	68
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
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Sample : J5200-01 2X
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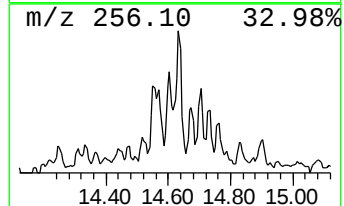
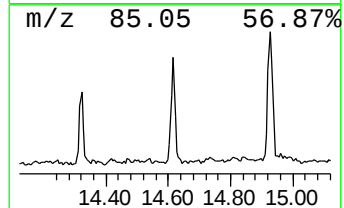
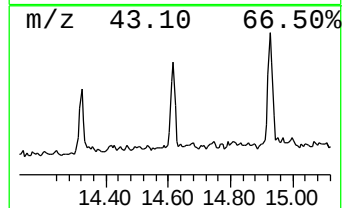
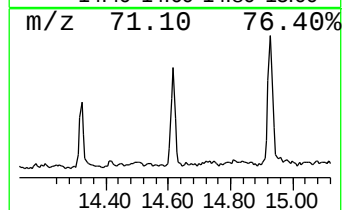
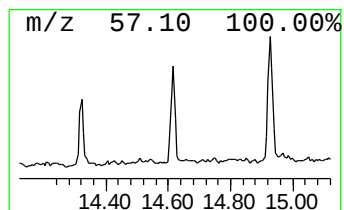
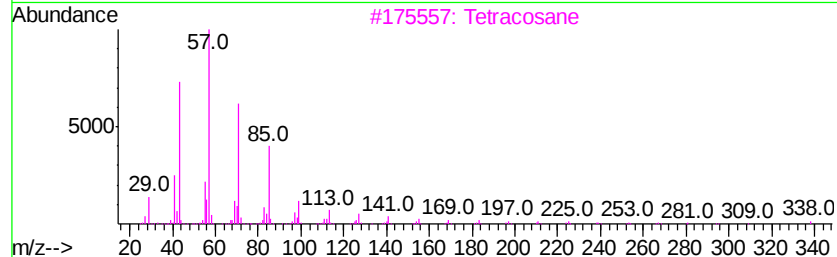
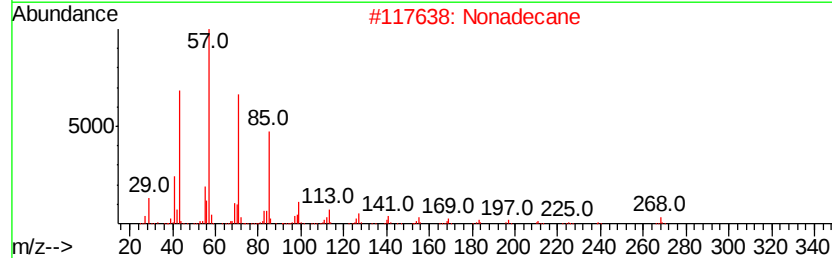
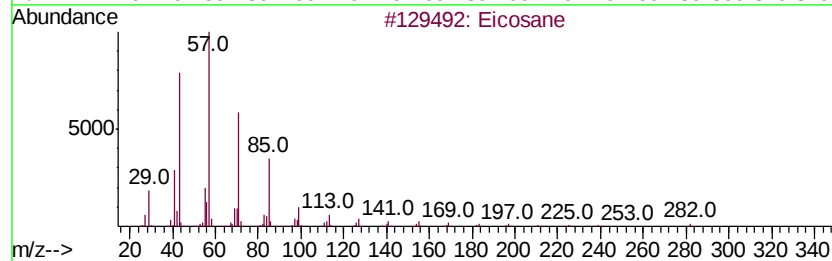
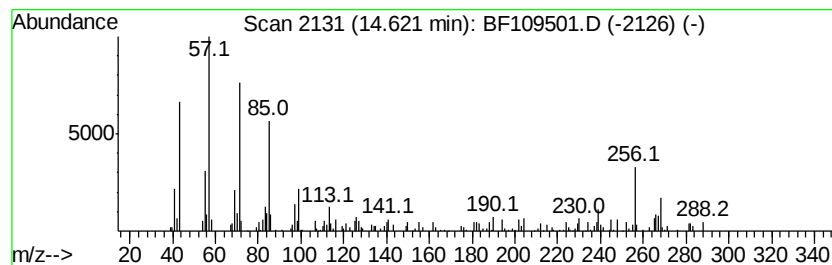
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ClientSampleId :
OR-02-100118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.62	3.57 ng	138560	Perylene-d12		15.24
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Nonadecane	268	C19H40	000629-92-5	93
3	Tetracosane	338	C24H50	000646-31-1	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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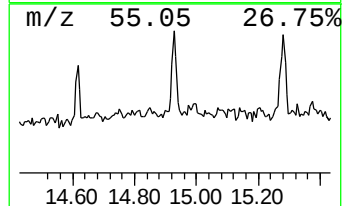
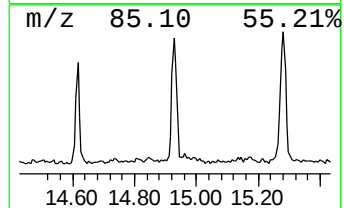
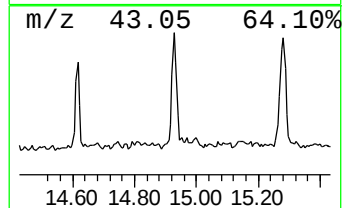
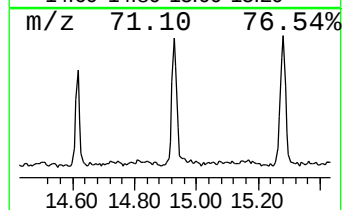
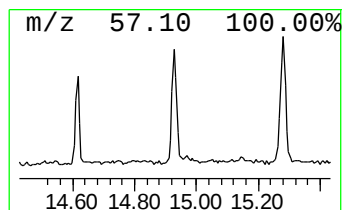
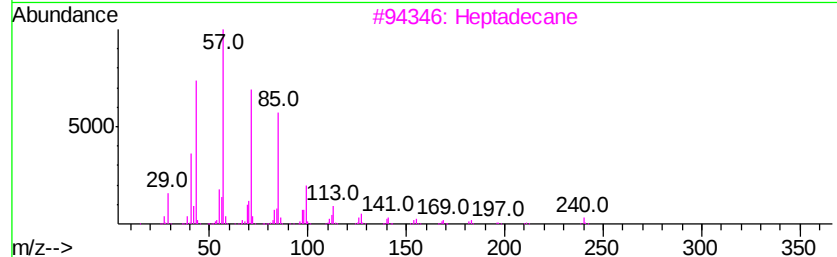
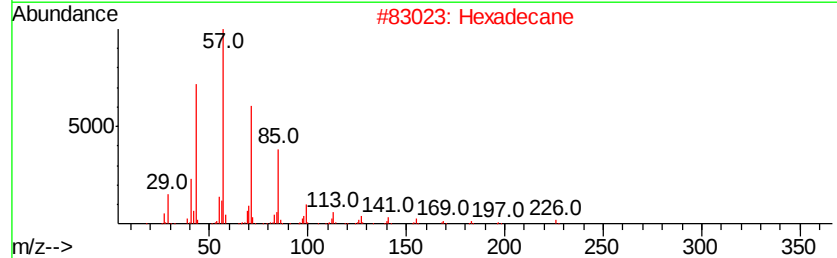
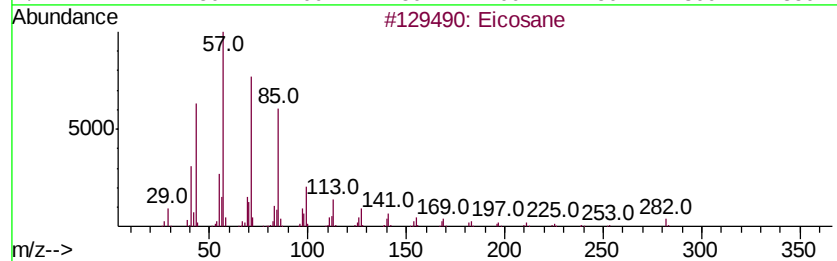
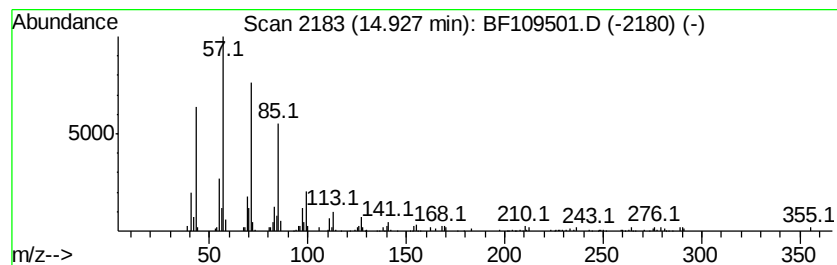
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	4.16 ng	161573	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Hexadecane	226	C16H34	000544-76-3	91
3		Heptadecane	240	C17H36	000629-78-7	91
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	86
5		Octadecane	254	C18H38	000593-45-3	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
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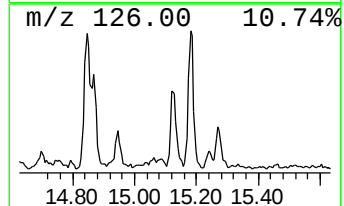
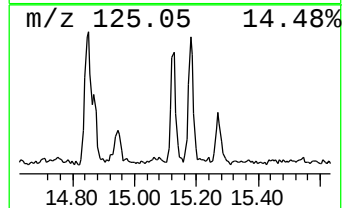
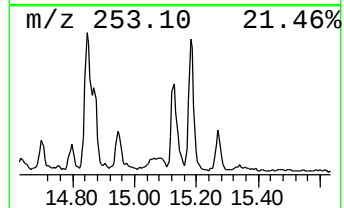
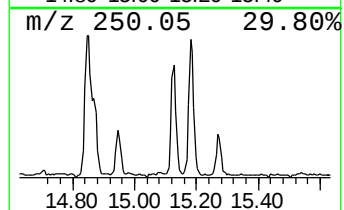
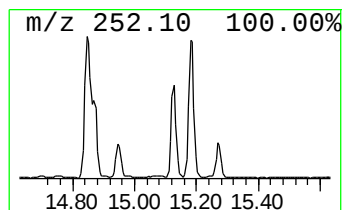
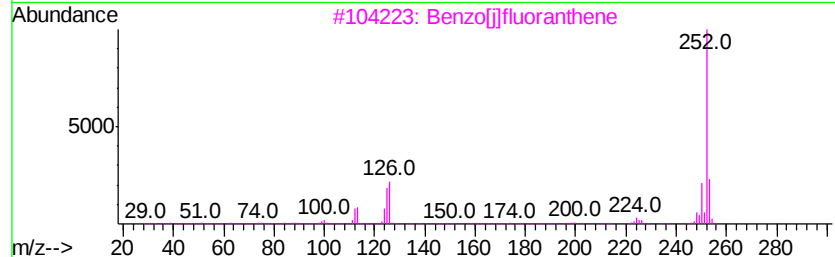
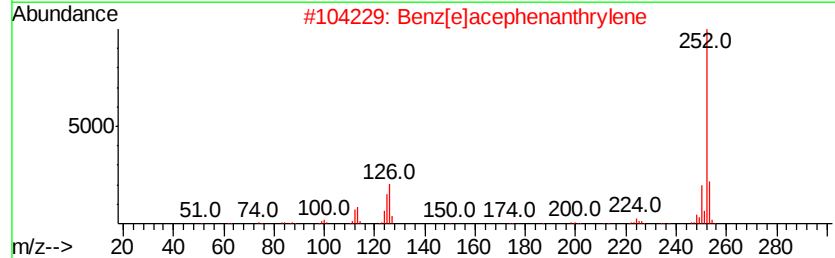
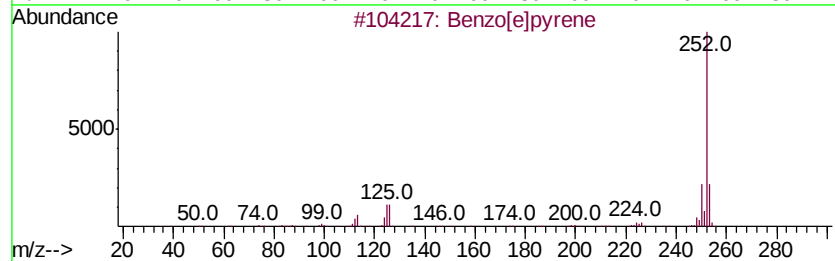
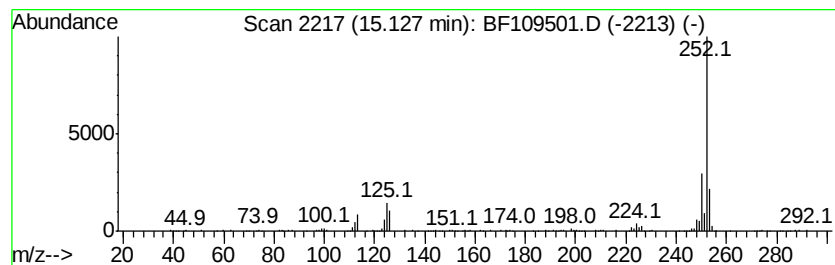
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	4.92 ng	190883	Perylene-d12	15.24
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	98
2	Benzo[e]acephenanthrylene	252 C20H12	000205-99-2	95
3	Benzo[i]fluoranthene	252 C20H12	000205-82-3	93
4	Benzo[k]fluoranthene	252 C20H12	000207-08-9	91
5	Benzo[a]pyrene	252 C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

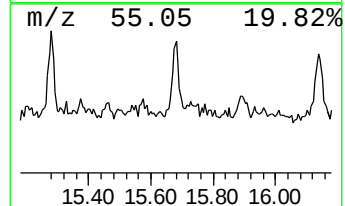
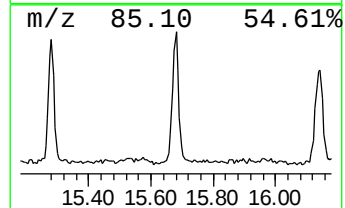
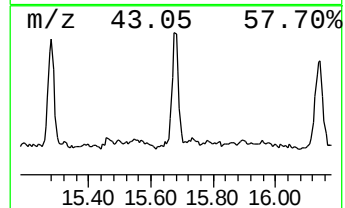
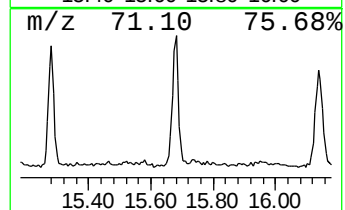
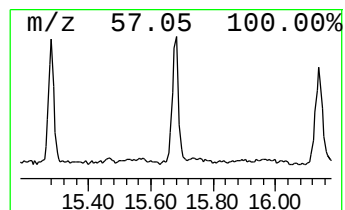
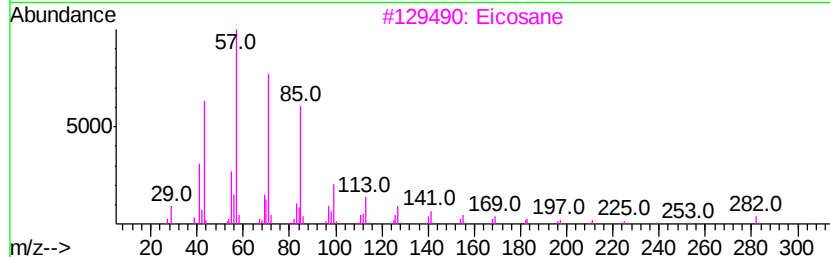
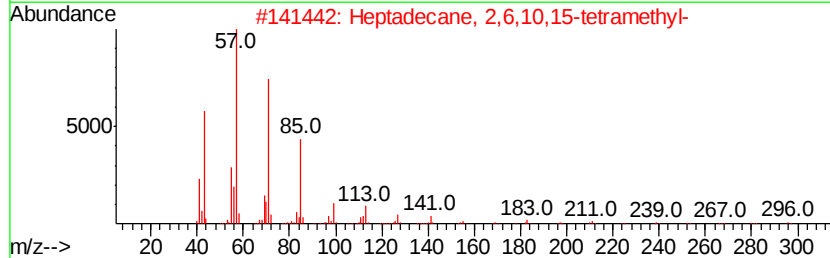
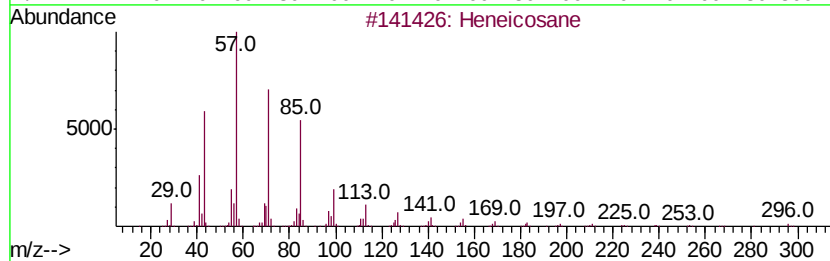
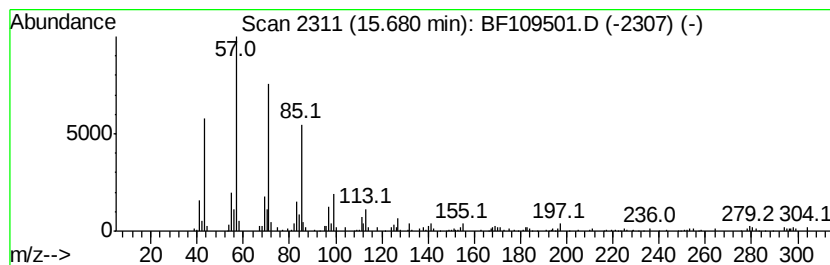
Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.00 ng	155138	Perylene-d12	15.24
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heneicosane		296 C21H44	000629-94-7 98
2	Heptadecane, 2,6,10,15-tetramethyl-		296 C21H44	054833-48-6 91
3	Eicosane		282 C20H42	000112-95-8 91
4	Hexacosane		366 C26H54	000630-01-3 90
5	Dodecane, 2-methyl-		184 C13H28	001560-97-0 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
Data File : BF109501.D
Acq On : 2 Oct 2018 15:11
Operator : JU/SJ
Sample : J5200-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-100118-A

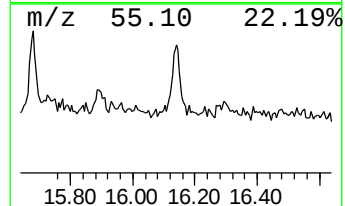
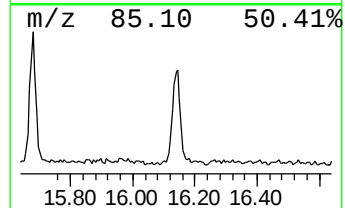
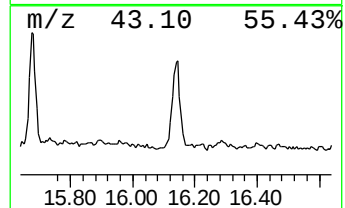
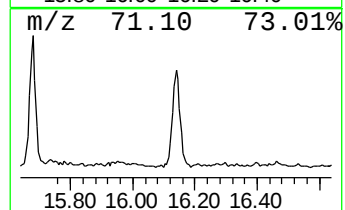
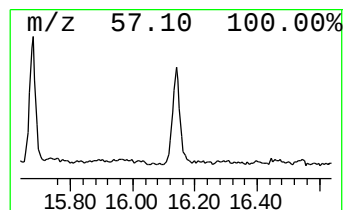
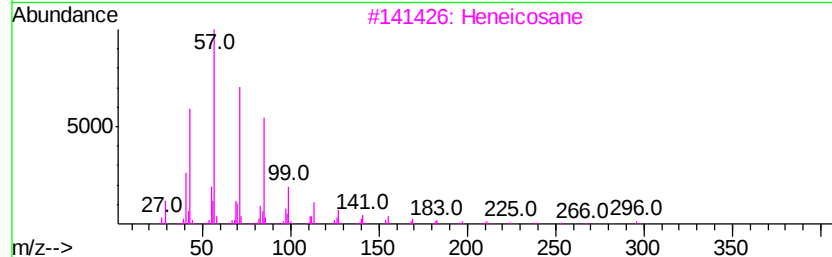
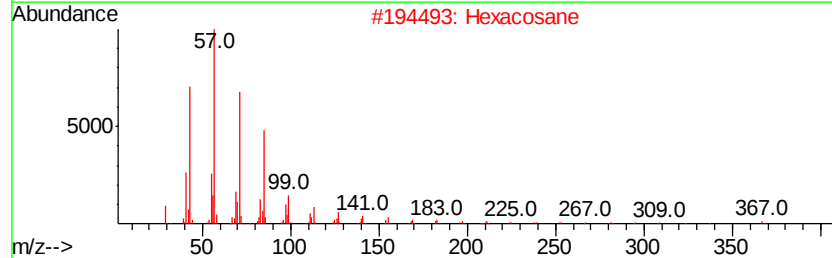
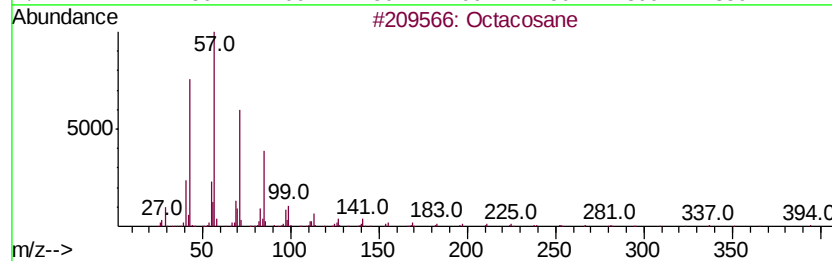
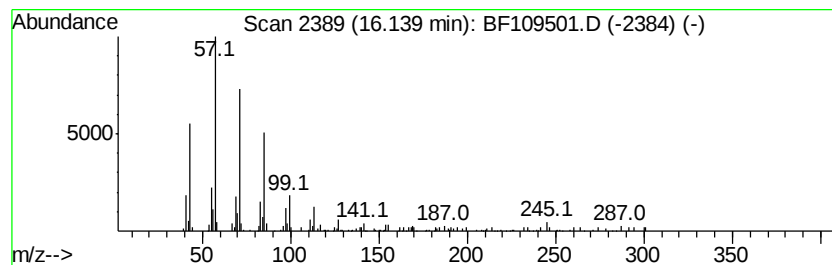
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	4.24 ng	164478	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Hexacosane	366	C26H54	000630-01-3	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
5		triacontane	422	C30H62	000638-68-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109501.D
 Acq On : 2 Oct 2018 15:11
 Operator : JU/SJ
 Sample : J5200-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

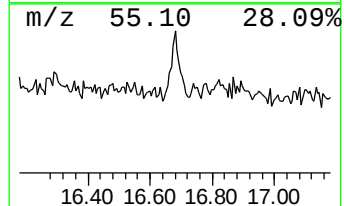
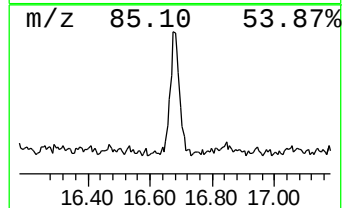
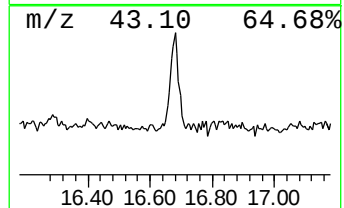
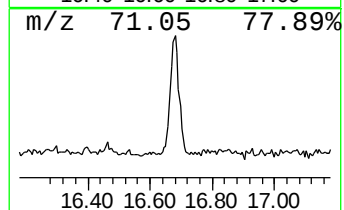
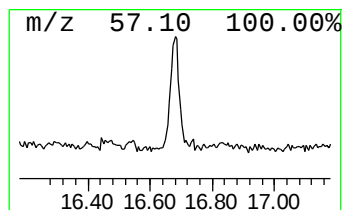
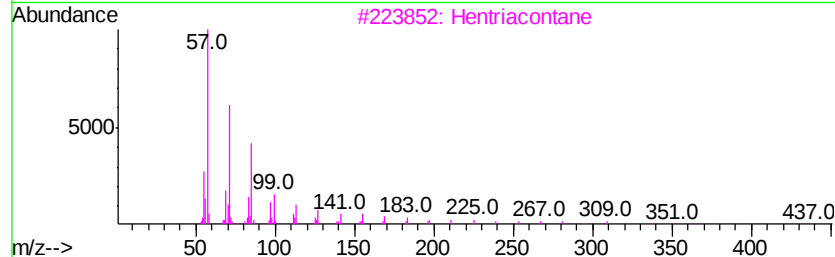
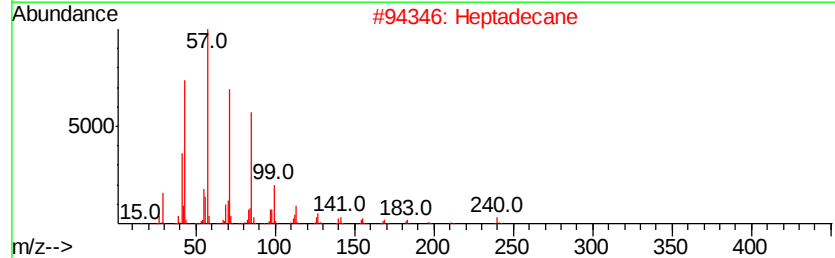
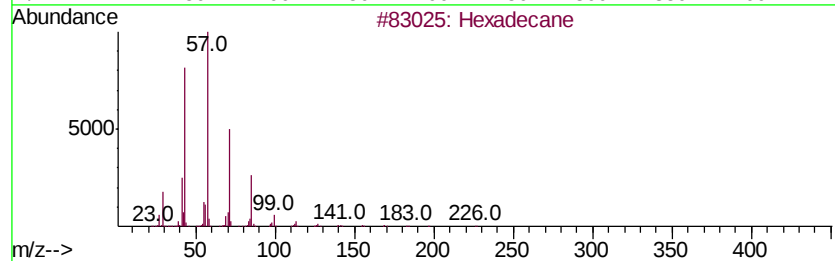
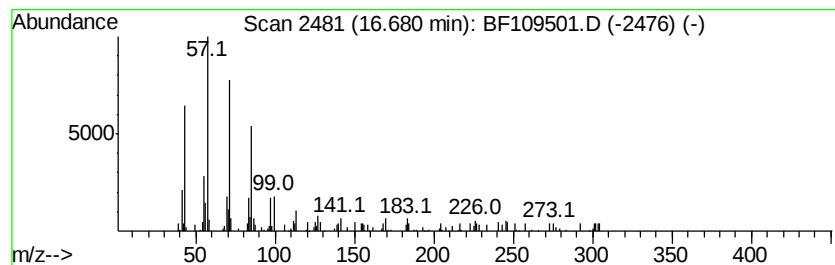
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 20 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	3.46 ng	134209	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	94
2		Heptadecane	240	C17H36	000629-78-7	93
3		Hentriacontane	437	C31H64	000630-04-6	76
4		Heneicosane	296	C21H44	000629-94-7	68
5		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100218\
 Data File : BF109501.D
 Acq On : 2 Oct 2018 15:11
 Operator : JU/SJ
 Sample : J5200-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100118-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.47	6.47	30.5	ng	980046	1	6.70	642418	20.0
Hexadecanoic acid...	11.62	3.3	ng	157021	4	11.21	942031	20.0
Phenanthrene, 2-m...	11.71	3.3	ng	155756	4	11.21	942031	20.0
Anthracene, 2-met...	11.74	4.9	ng	232038	4	11.21	942031	20.0
4H-Cyclopenta[def...	11.82	5.7	ng	267644	4	11.21	942031	20.0
Phenanthrene, 1-m...	11.84	2.6	ng	121031	4	11.21	942031	20.0
Phenanthrene, 2,5...	12.26	3.2	ng	151098	4	11.21	942031	20.0
9,12-Octadecadien...	12.30	7.7	ng	361580	4	11.21	942031	20.0
9-Octadecenoic ac...	12.32	8.1	ng	381669	4	11.21	942031	20.0
Pyrene, 2-methyl-	12.97	2.9	ng	168037	5	13.84	1158560	20.0
11H-Benzo[b]fluorene	13.04	2.8	ng	163857	5	13.84	1158560	20.0
Pyrene, 1-methyl-	13.07	2.5	ng	143881	5	13.84	1158560	20.0
1-Dodecanol, 2-oc...	13.70	2.5	ng	145154	5	13.84	1158560	20.0
Nonadecane	14.62	3.6	ng	138560	6	15.24	776635	20.0
Eicosane	14.93	4.2	ng	161573	6	15.24	776635	20.0
Benzo[e]pyrene	15.13	4.9	ng	190883	6	15.24	776635	20.0
Heneicosane	15.68	4.0	ng	155138	6	15.24	776635	20.0
Octacosane	16.14	4.2	ng	164478	6	15.24	776635	20.0
Hexadecane	16.68	3.5	ng	134209	6	15.24	776635	20.0