LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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	5.310	545	548	558	rBV	658684	715730	29.79%	1.824%
2	6.340	720	723	739	rBV	712254	891849	37.11%	2.273%
3	6.469	742	745	755	rBV	865739	858399	35.72%	2.187%
4	6.704	781	785	794	rBV	578119	577234	24.02%	1.471%
5	6.857	807	811	826	rBV	776772	690735	28.75%	1.760%
6	7.263	876	880	888	rBV	477391	512314	21.32%	1.306%
7	7.986	999	1003	1014	rBV	743579	846256	35.22%	2.157%
8	8.698	1119	1124	1128	rBV3	58348	66545	2.77%	0.170%
9	8.792	1137	1140	1147	rVB	57304	55982	2.33%	0.143%
10	9.057	1181	1185	1197	rBV	1172744	1062237	44.21%	2.707%
11	9.328	1226	1231	1234	rBV	39661	62146	2.59%	0.158%
12	9.392	1239	1242	1245	rVV	70838	79149	3.29%	0.202%
13	9.451	1249	1252	1257	rVV2	128948	153404	6.38%	0.391%
14	9.510	1260	1262	1268	rVB	38627	48353	2.01%	0.123%
15	9.592	1272	1276	1282	rBV	194221	195191	8.12%	0.497%
16	9.733	1295	1300	1303	rBV	971226	852432	35.47%	2.172%
17	9.763	1303	1305	1309	rVB	229299	190677	7.94%	0.486%
18	9.939	1331	1335	1339	rVV	202512	198259	8.25%	0.505%
19	10.051	1349	1354	1357	rBV3	43002	59529	2.48%	0.152%
20	10.280	1389	1393	1399	rBV	457251	448004	18.64%	1.142%
21	10.345	1399	1404	1405	rBV	36808	42848	1.78%	0.109%
22	10.392	1409	1412	1417	rBV4	41271	50040	2.08%	0.128%
23	10.433	1417	1419	1425	rVB	82206	84156	3.50%	0.214%
24	10.516	1429	1433	1440	rBV	531466	605432	25.20%	1.543%
25	10.645	1452	1455	1462	rVB2	93750	120628	5.02%	0.307%
26	10.827	1481	1486	1488	rBV2	84346	108443	4.51%	0.276%
27	10.851	1488	1490	1493	rVV	52944	57967	2.41%	0.148%
28	10.904	1497	1499	1502	rVB2	49614	48510	2.02%	0.124%
29	10.957	1505	1508	1509	rVV	42580	46754	1.95%	0.119%
30	10.975	1509	1511	1516	rVV	60468	78618	3.27%	0.200%
31	11.022	1516	1519	1523	rVV3	38805	50178	2.09%	0.128%
32	11.063	1523	1526	1529	rVV	49880	59969	2.50%	0.153%
33	11.110	1529	1534	1540	rVB2	122436	208852	8.69%	0.532%
34	11.216	1548	1552	1553	rBV	710595	680654	28.33%	1.735%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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

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Peak separation: 5

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

35	11.239	1553	1556	1561	rVV	2124806	1916489	79.76%	4.884%
36	11.286	1561	1564	1568	rVV	704314	711468	29.61%	1.813%
37	11.322	1568	1570	1574	rVB2	53632	67834	2.82%	0.173%
38	11.445	1588	1591	1594	rBV	131298	140254	5.84%	0.357%
39	11.516	1599	1603	1605	rBV2	60655	72564	3.02%	0.185%
40	11.545	1605	1608	1614	rVB3	46353	70159	2.92%	0.179%
41	11.616	1616	1620	1626	rVB	516218	470357	19.57%	1.199%
42	11.716	1633	1637	1639	rBV	226222	227768	9.48%	0.580%
43	11.745	1639	1642	1647	rVB2	341929	369093	15.36%	0.941%
44	11.786	1647	1649	1652	rVB	128788	115063	4.79%	0.293%
45	11.822	1652	1655	1658	rBV	507099	559766	23.29%	1.426%
46	11.898	1665	1668	1670	rBV	33646	41589	1.73%	0.106%
47	11.922	1670	1672	1674	rVV	65189	58569	2.44%	0.149%
48	12.010	1684	1687	1689	rVV	171796	175903	7.32%	0.448%
49	12.033	1689	1691	1697	rVB3	59724	67282	2.80%	0.171%
50	12.157	1707	1712	1715	rBV2	55959	69938	2.91%	0.178%
51	12.186	1715	1717	1719	rBV	59352	50392	2.10%	0.128%
52	12.210	1719	1721	1724	rVB2	50451	43110	1.79%	0.110%
53	12.263	1726	1730	1732	rBV	153855	158628	6.60%	0.404%
54	12.298	1732	1736	1738	rBV	1915826	1702533	70.85%	4.339%
55	12.322	1738	1740	1742	rVV	1301797	1044861	43.48%	2.663%
56	12.339	1742	1743	1749	rVB3	161615	205955	8.57%	0.525%
57	12.427	1751	1758	1761	rBV	2330832	2402962	100.00%	6.124%
58	12.516	1771	1773	1774	rBV	61974	50725	2.11%	0.129%
59	12.533	1774	1776	1780	rVV3	89488	89718	3.73%	0.229%
60	12.569	1780	1782	1789	rVB3	74875	100359	4.18%	0.256%
61	12.651	1790	1796	1802	rBV2	1793647	2375889	98.87%	6.055%
62	12.698	1802	1804	1810	rVB2	94076	130400	5.43%	0.332%
63	12.769	1813	1816	1817	rBV	146190	126407	5.26%	0.322%
64	12.792	1817	1820	1827	rVB	768479	793143	33.01%	2.021%
65	12.874	1828	1834	1836	rBV2	157384	266574	11.09%	0.679%
66	12.957	1844	1848	1849	rBV2	170008	188122	7.83%	0.479%
67	12.980	1849	1852	1855	rVB	430825	431323	17.95%	1.099%
68	13.045	1859	1863	1866	rBV	453379	442458	18.41%	1.128%
69	13.080	1866	1869	1874	rVV2	261721	257422	10.71%	0.656%
70	13.169	1882	1884	1887	rBV	128542	119513	4.97%	0.305%
71	13.204	1887	1890	1893	rBV	145926	149539	6.22%	0.381%

LSC Area Percent Report

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Sample : J5204-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-100318-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.380	1917	1920	1922	rBV2	87907	91614	3.81%	0.233%
73	13.457	1931	1933	1935	rBV2	69241	70866	2.95%	0.181%
74	13.486	1936	1938	1942	rVB	95628	107799	4.49%	0.275%
75	13.592	1953	1956	1958	rBV	151584	145524	6.06%	0.371%
76	13.621	1958	1961	1963	rVV	162109	164751	6.86%	0.420%
77	13.645	1963	1965	1971	rVV3	152580	217491	9.05%	0.554%
78	13.704	1971	1975	1977	rVB2	95521	135131	5.62%	0.344%
79	13.839	1993	1998	2001	rBV2	1355005	1960672	81.59%	4.996%
80	13.874	2001	2004	2011	rVB	1066211	1123009	46.73%	2.862%
81	13.951	2014	2017	2021	rVB	193239	175654	7.31%	0.448%
82	13.986	2021	2023	2026	rBV	80197	91949	3.83%	0.234%
83	14.015	2026	2028	2030	rBV2	88497	84620	3.52%	0.216%
84	14.227	2062	2064	2067	rVB	241497	221121	9.20%	0.563%
85	14.263	2068	2070	2073	rVB	138599	110281	4.59%	0.281%
86	14.321	2077	2080	2083	rVV2	319997	328024	13.65%	0.836%
87	14.351	2083	2085	2087	rVV	171971	171108	7.12%	0.436%
88	14.374	2087	2089	2093	rVB	185582	155608	6.48%	0.397%
89	14.615	2127	2130	2139	rVB2	357543	425147	17.69%	1.083%
90	14.686	2139	2142	2144	rBV	119749	139188	5.79%	0.355%
91	14.863	2167	2172	2179	rBV	809826	1695053	70.54%	4.320%
92	14.927	2180	2183	2186	rBV	392268	416555	17.34%	1.062%
93	15.139	2215	2219	2224	rVB	462435	612815	25.50%	1.562%
94	15.198	2225	2229	2234	rVB	758462	913672	38.02%	2.328%
95	15.251	2235	2238	2241	rVV	352724	490824	20.43%	1.251%
96	15.280	2241	2243	2250	rVB2	588058	673769	28.04%	1.717%
97	15.680	2308	2311	2317	rVB	264743	381498	15.88%	0.972%
98	16.139	2386	2389	2394	rVB	119745	178775	7.44%	0.456%
99	16.615	2465	2470	2477	rVB2	263688	503206	20.94%	1.282%
100	17.021	2534	2539	2552	rVB	186034	383912	15.98%	0.978%

Sum of corrected areas: 39241239

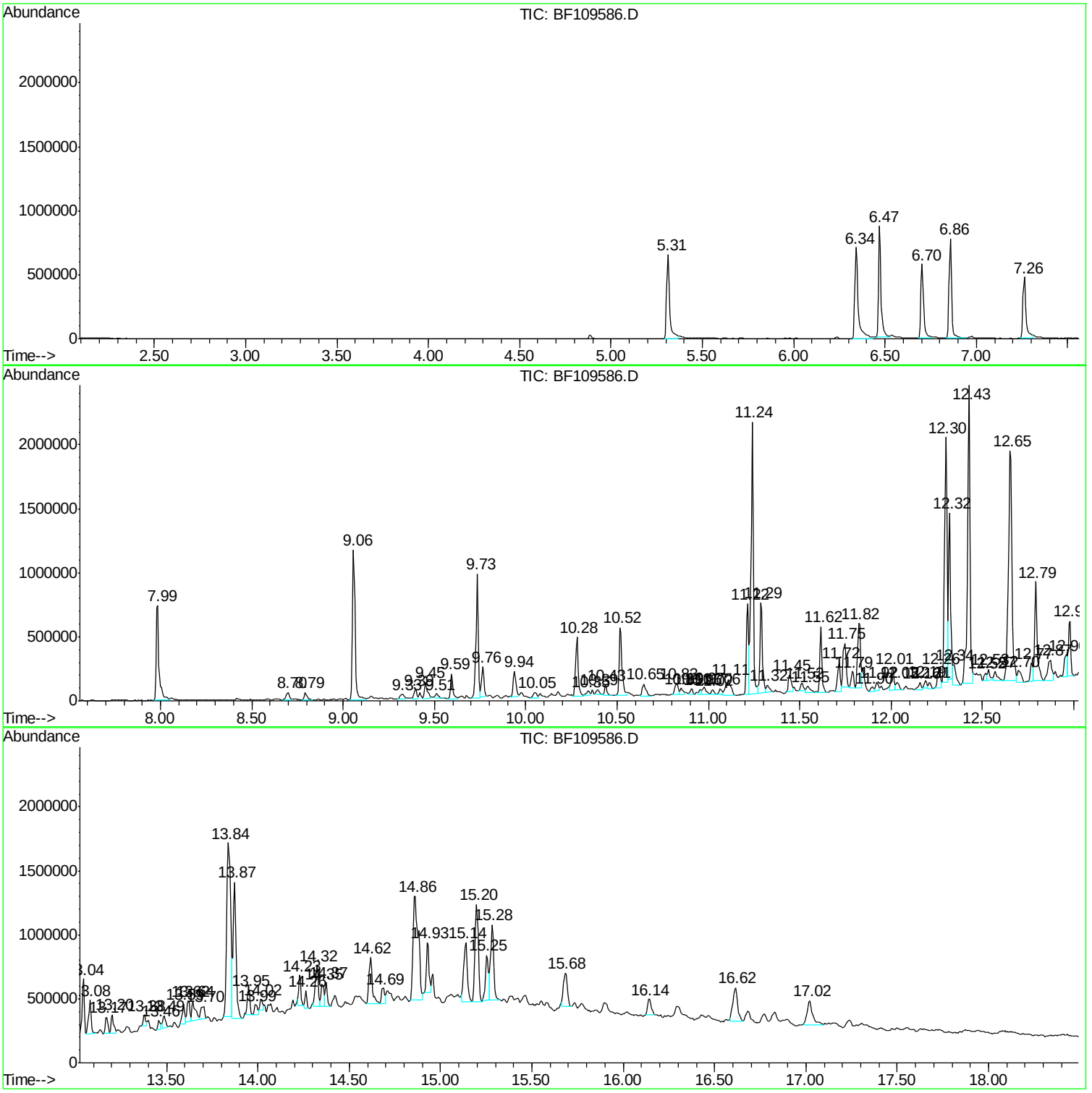
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
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Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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

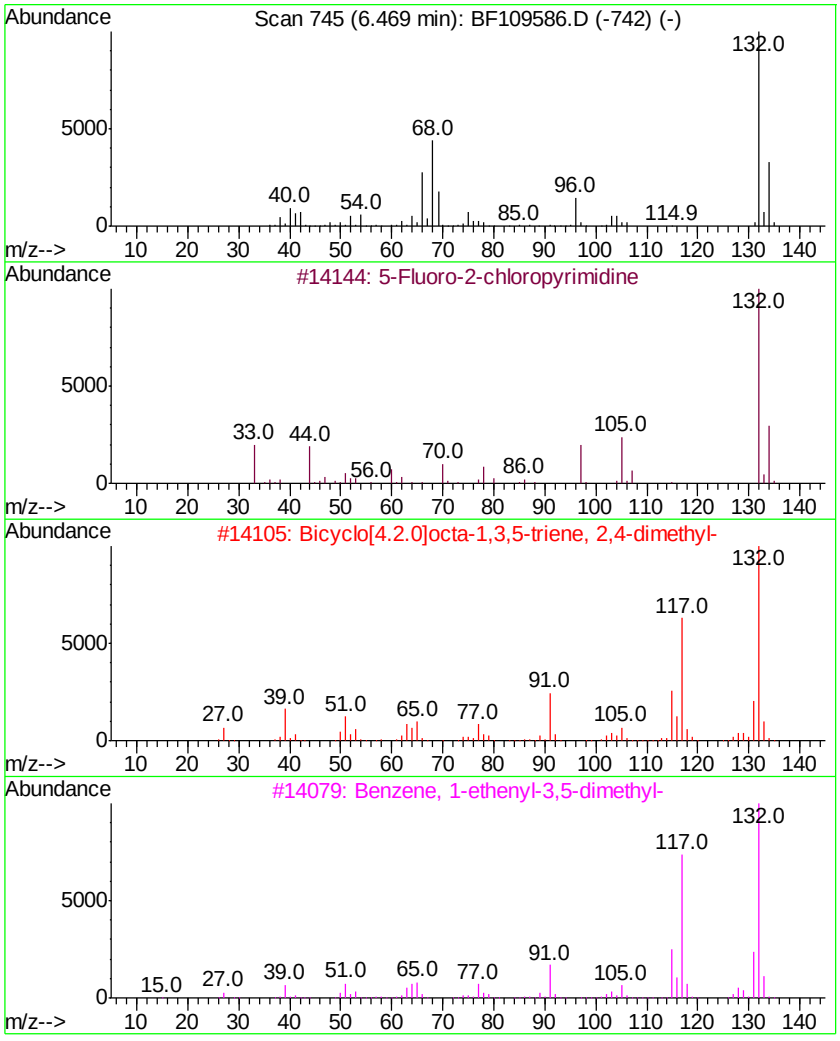
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

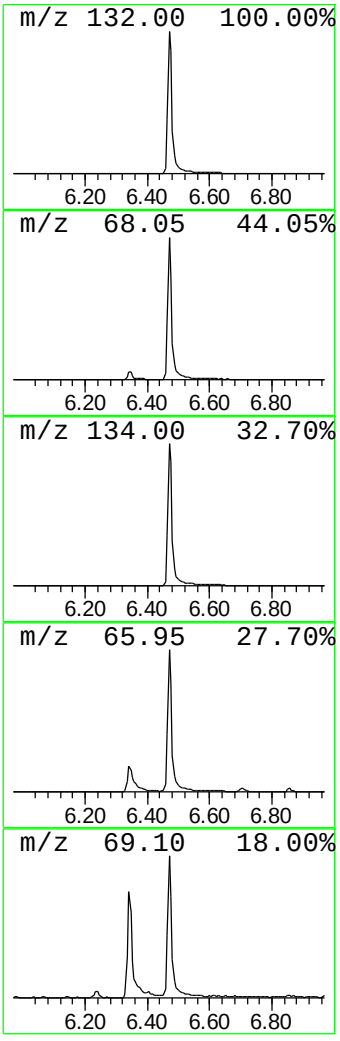
****

Peak Number 1 unknown6.47 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	29.74 ng	858399	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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

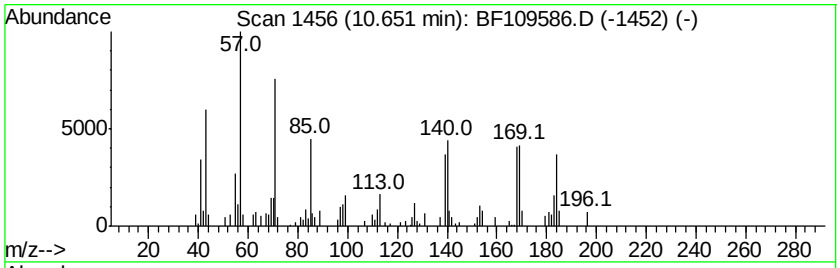
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

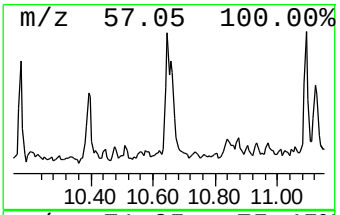
****

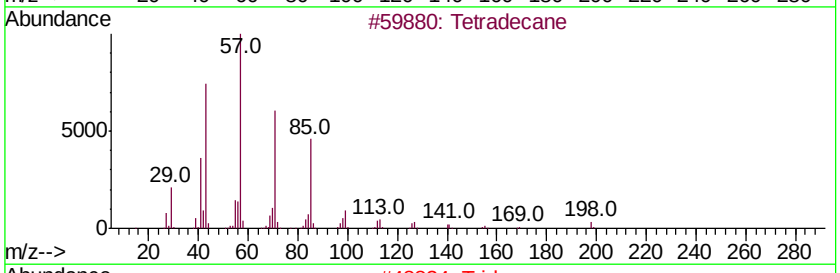
Peak Number 3 Tetradecane Concentration Rank 20

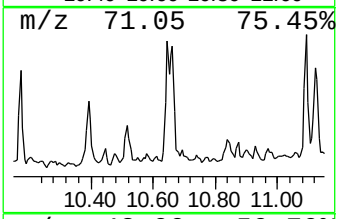
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	3.54 ng	120628	Phenanthrene-d10	11.22

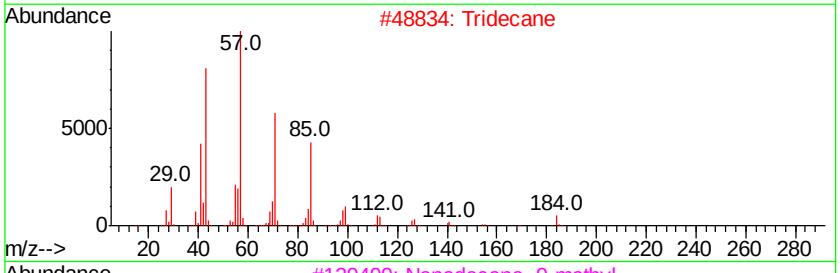
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	60
2	Tridecane	184	C13H28	000629-50-5	55
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	30
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	25
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	25

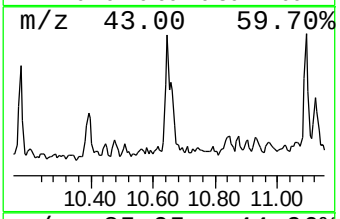


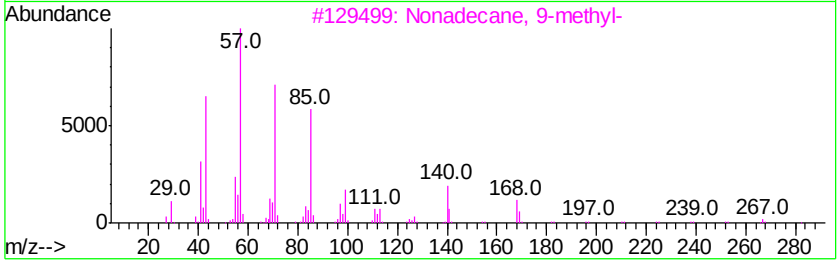


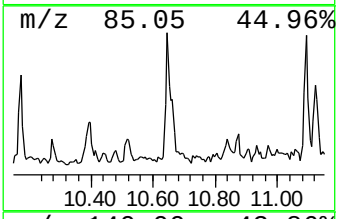


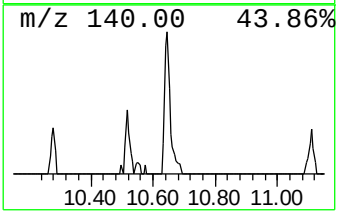












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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

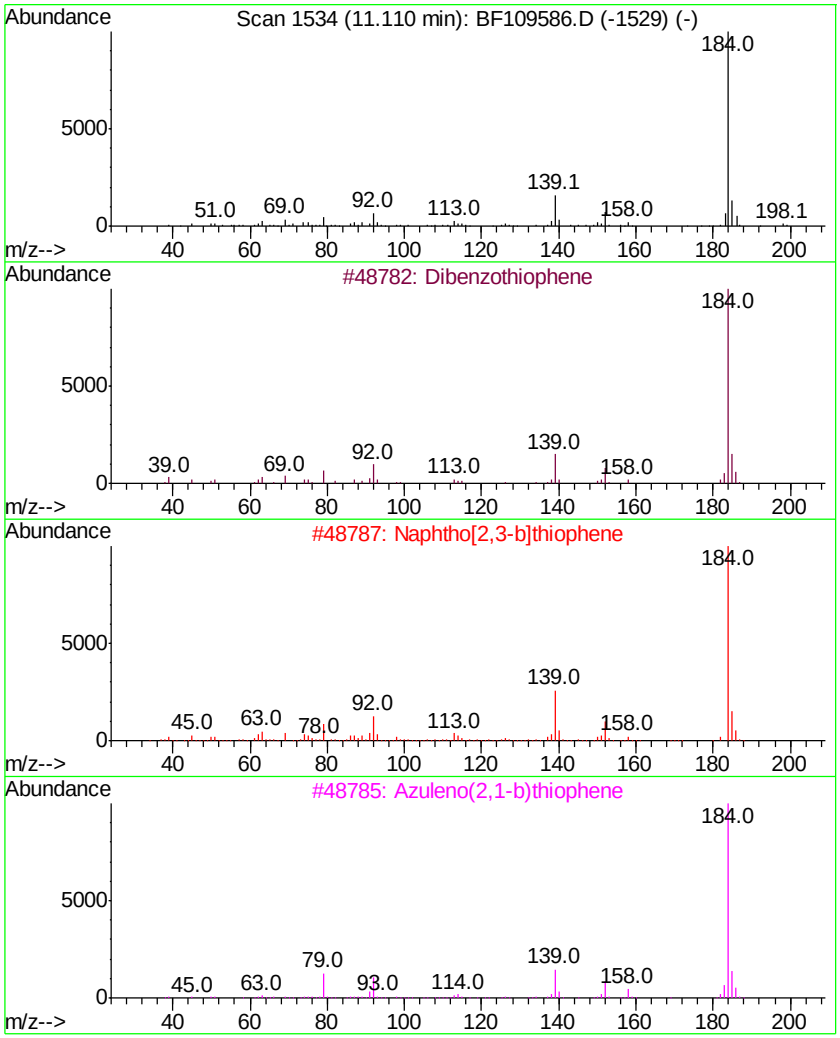
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

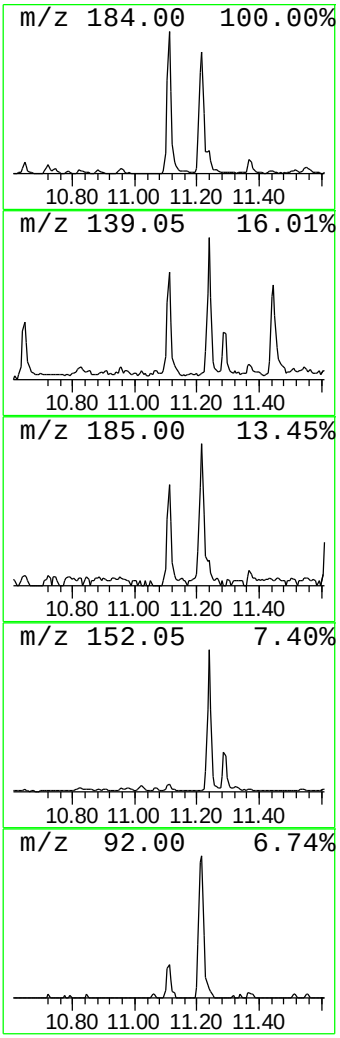
****

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	6.14 ng	208852	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80





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Misc :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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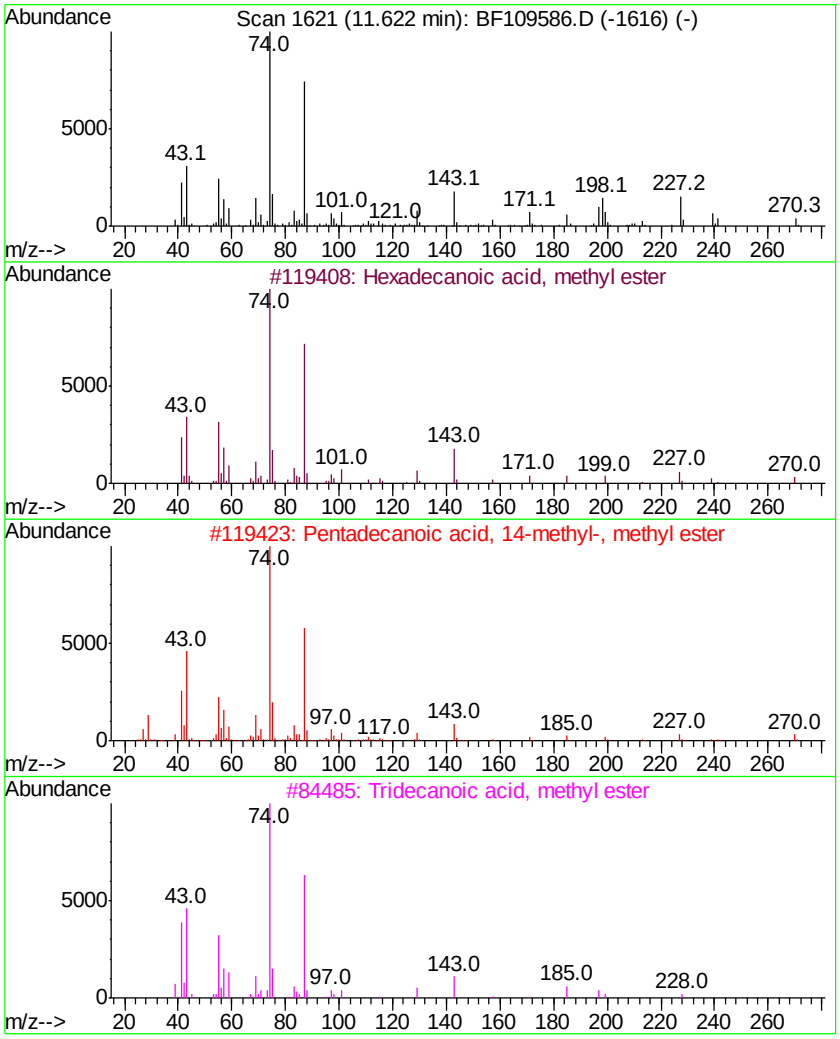
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

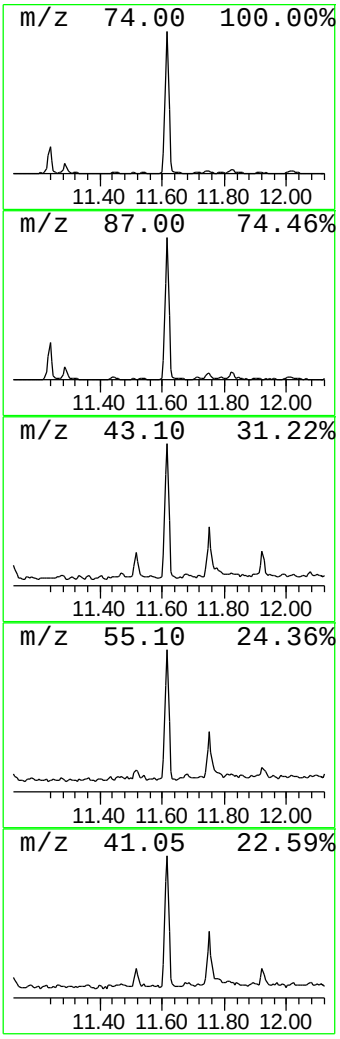
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	13.82 ng	470357	Phenanthrene-d10	11.22

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	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





Library Search Compound Report

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Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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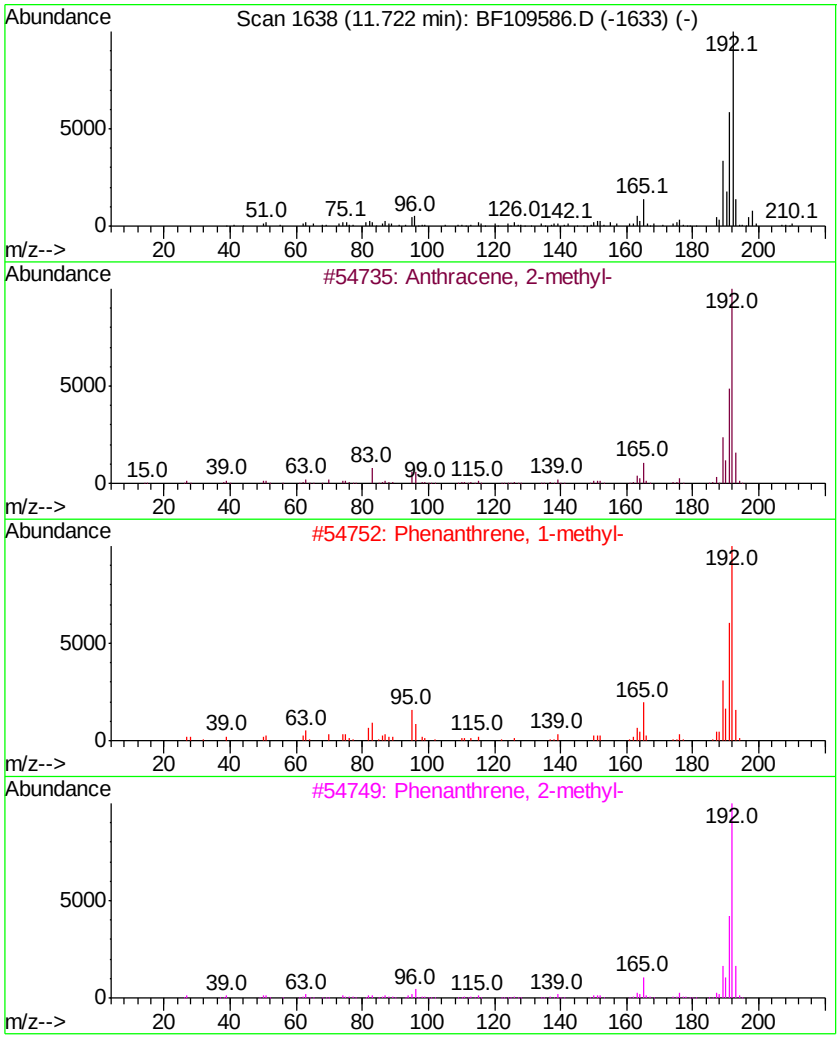
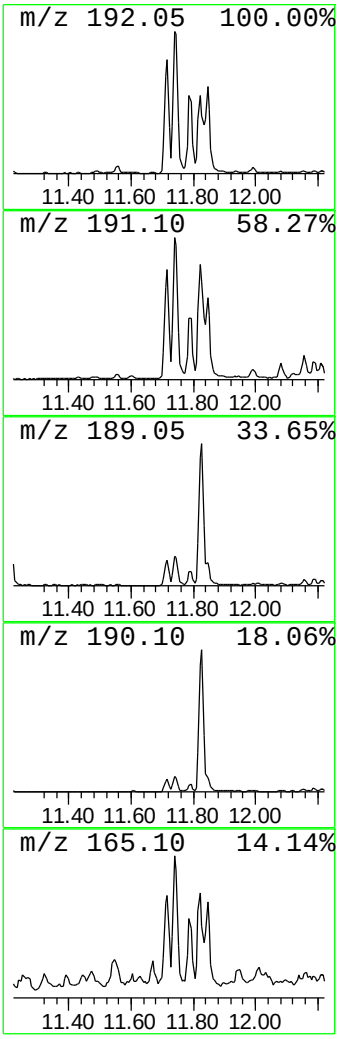
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	6.69 ng	227768	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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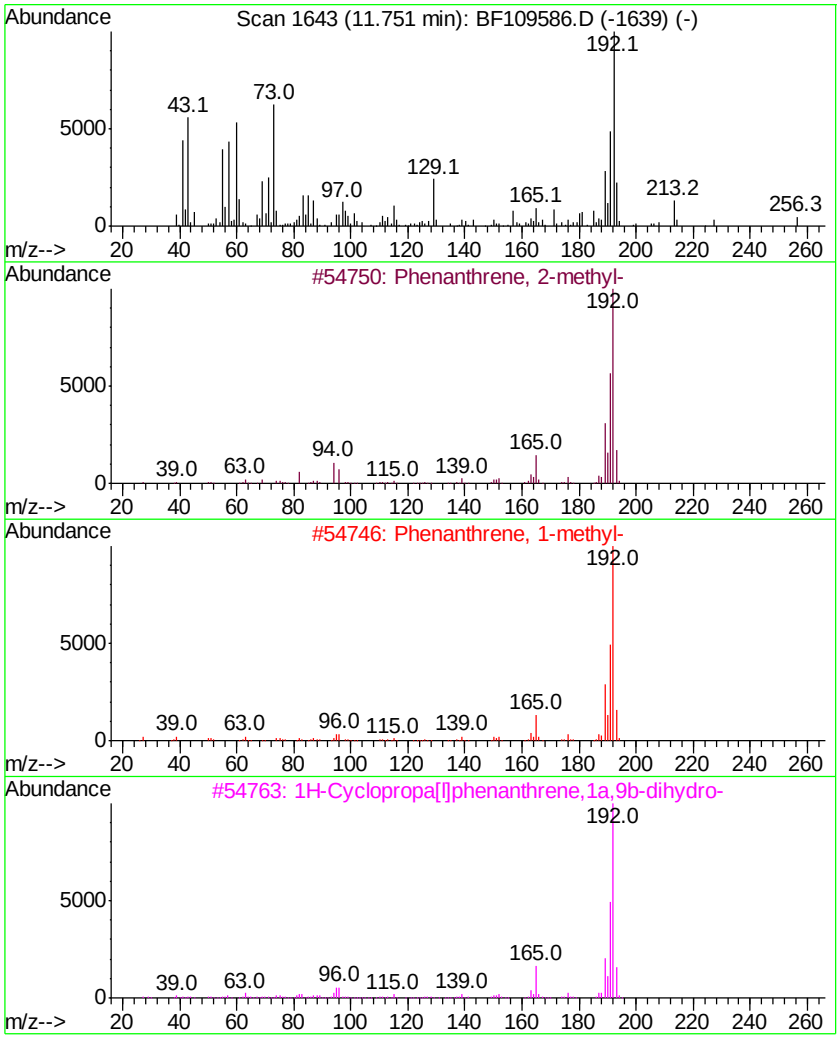
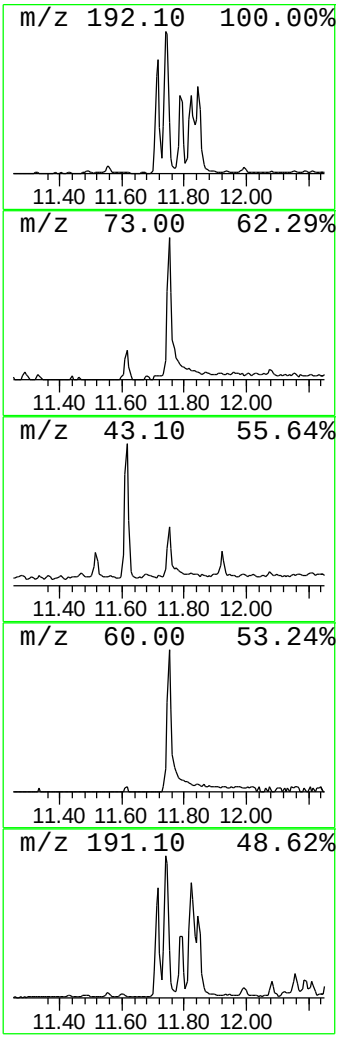
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	10.85 ng	369093	Phenanthrene-d10	11.22

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





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ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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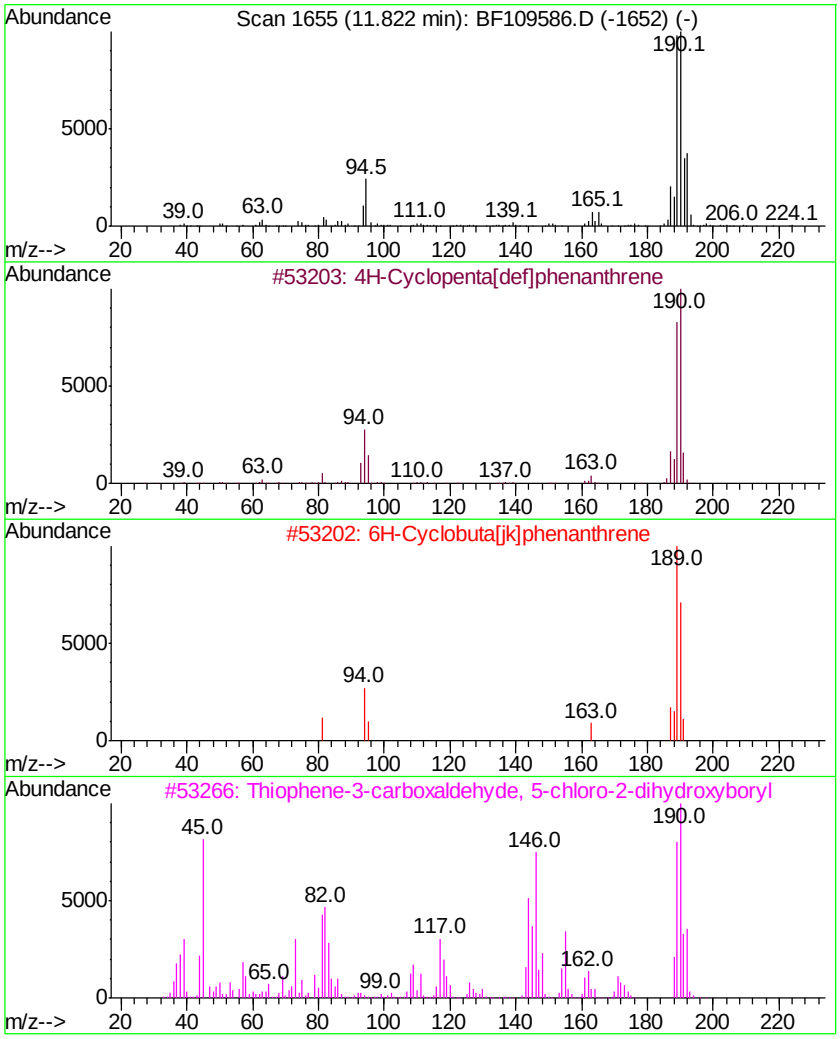
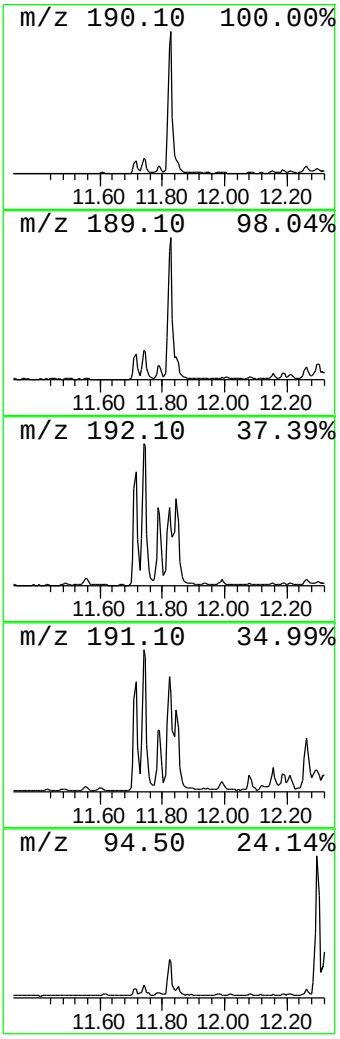
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	16.45 ng	559766	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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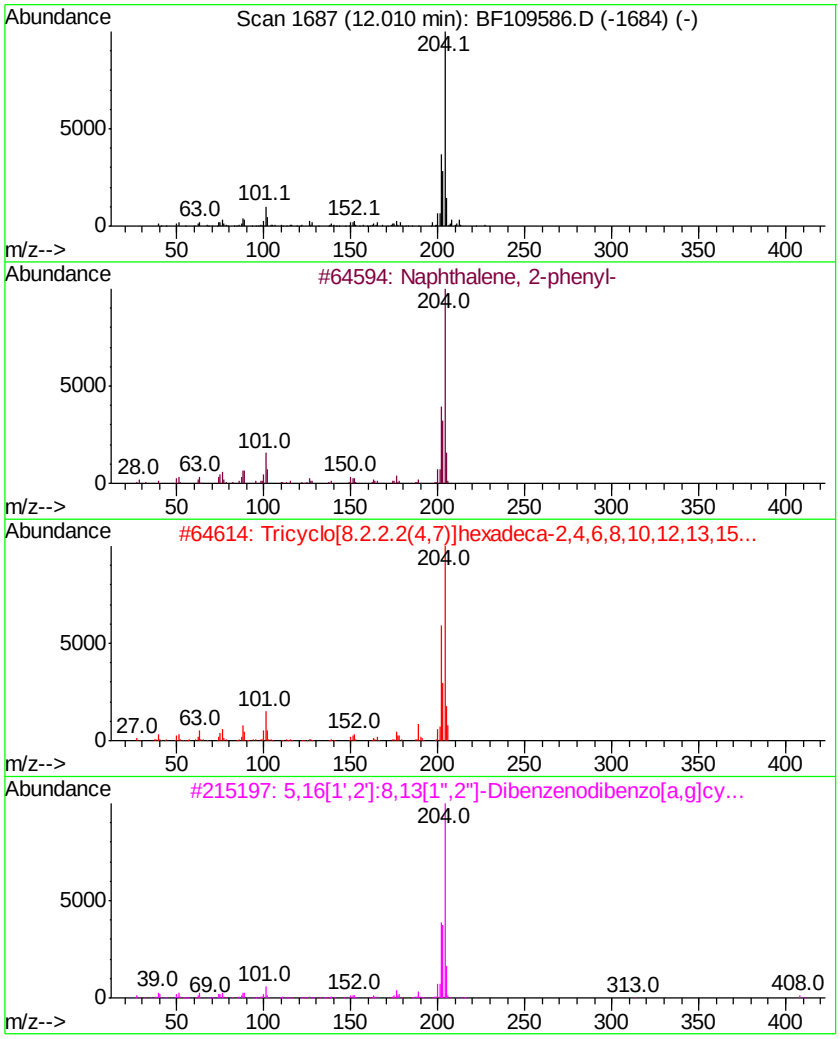
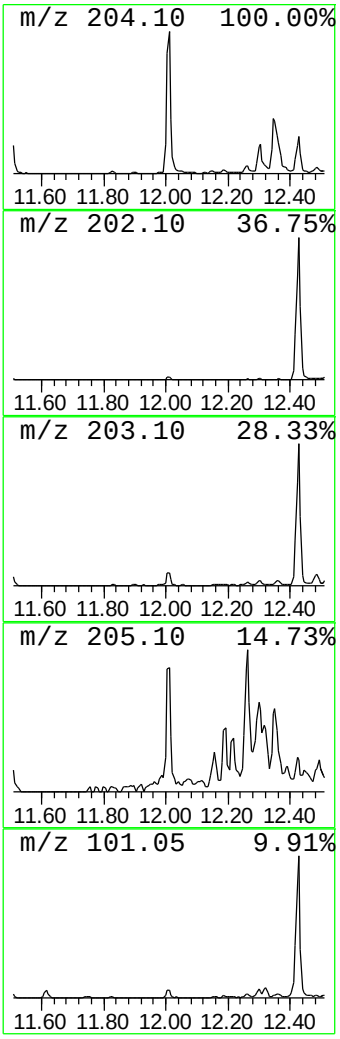
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.17 ng	175903	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	50





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Sample : J5204-03 2X
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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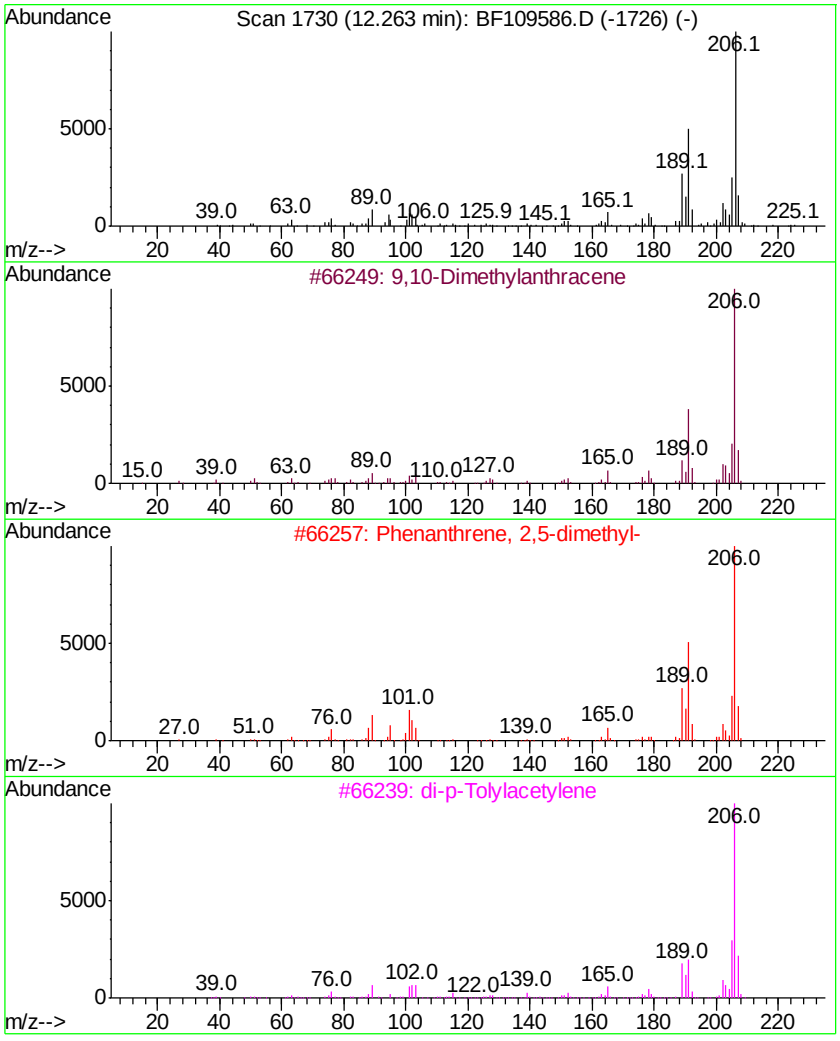
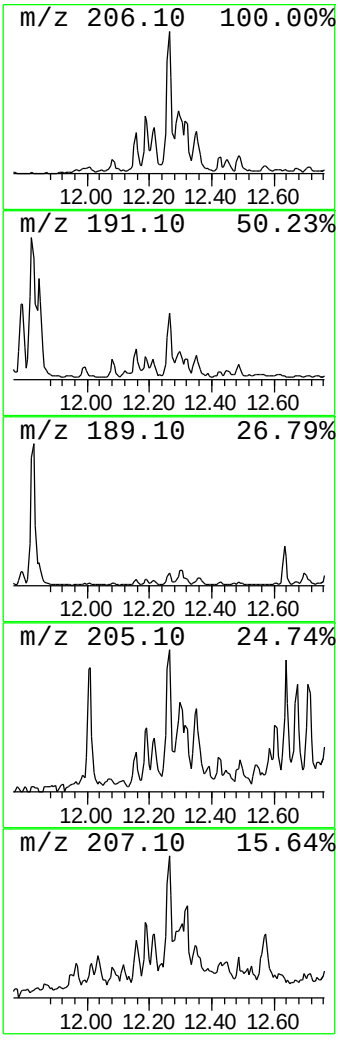
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	4.66 ng	158628	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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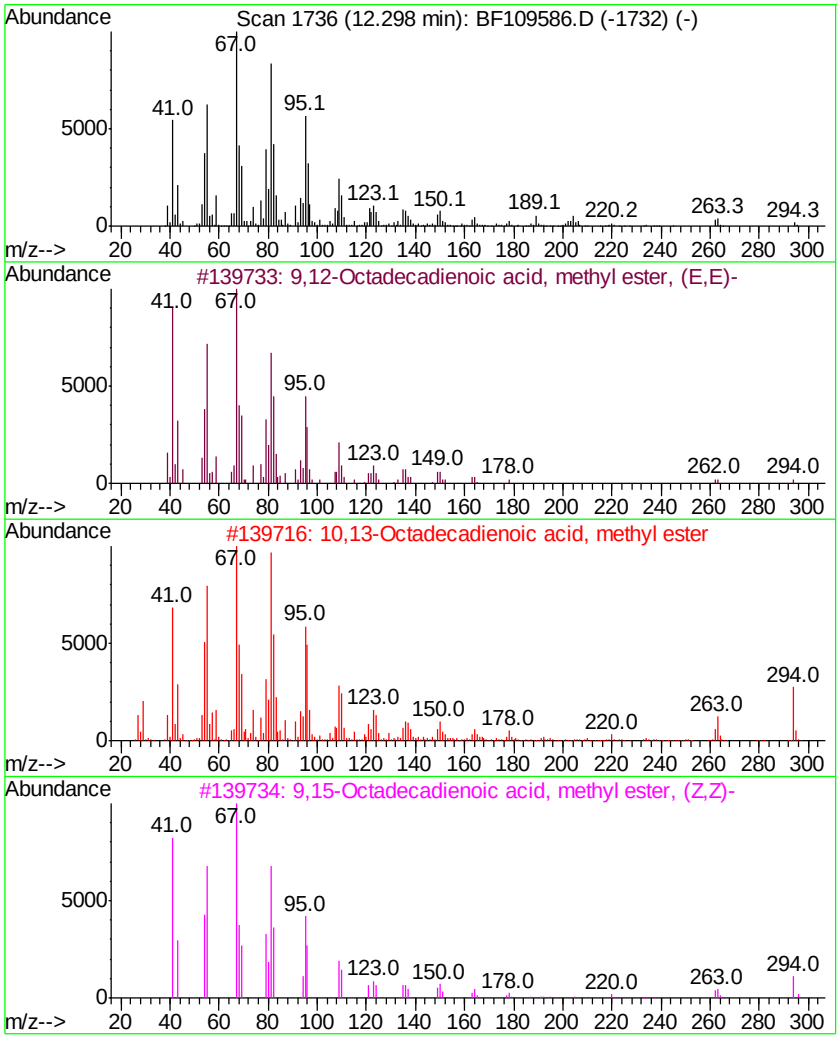
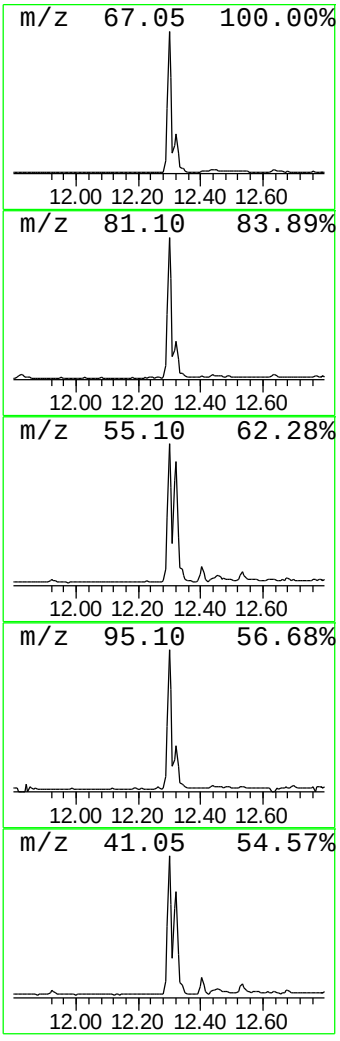
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	50.03 ng	1702530	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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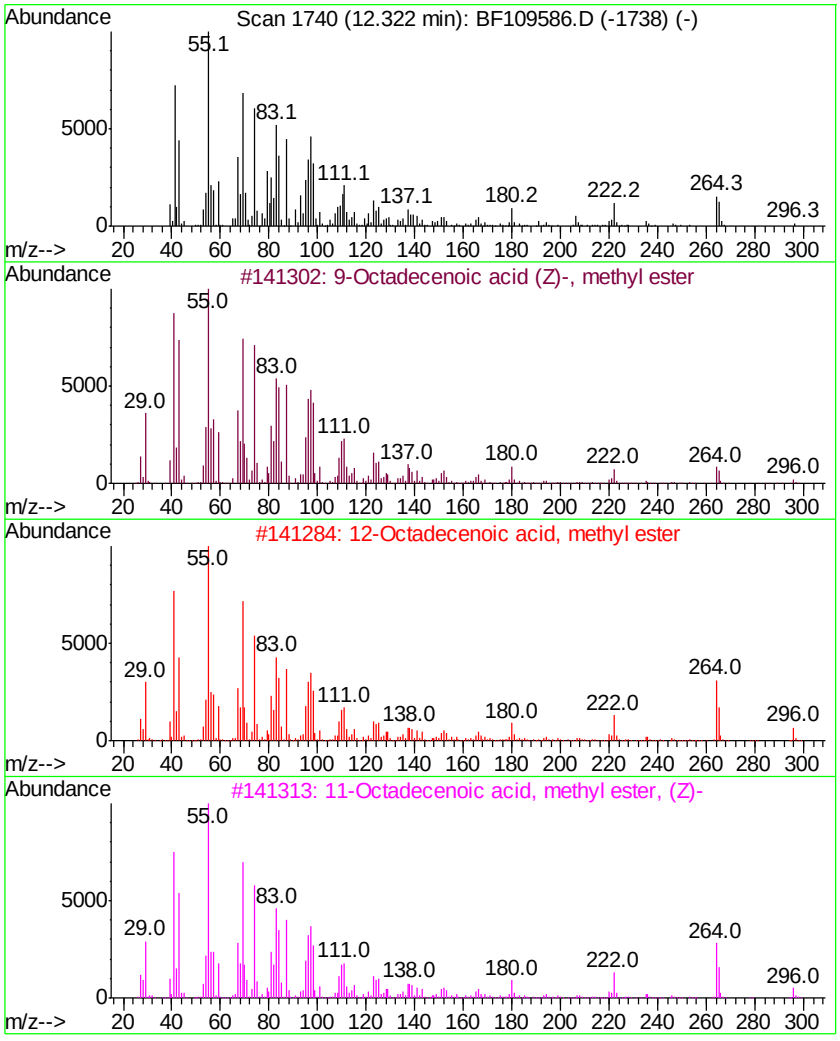
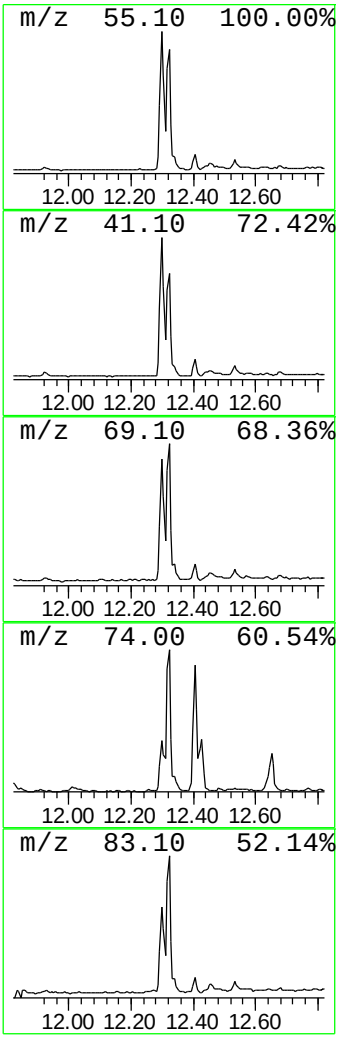
Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	30.70 ng	1044860	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99





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Sample : J5204-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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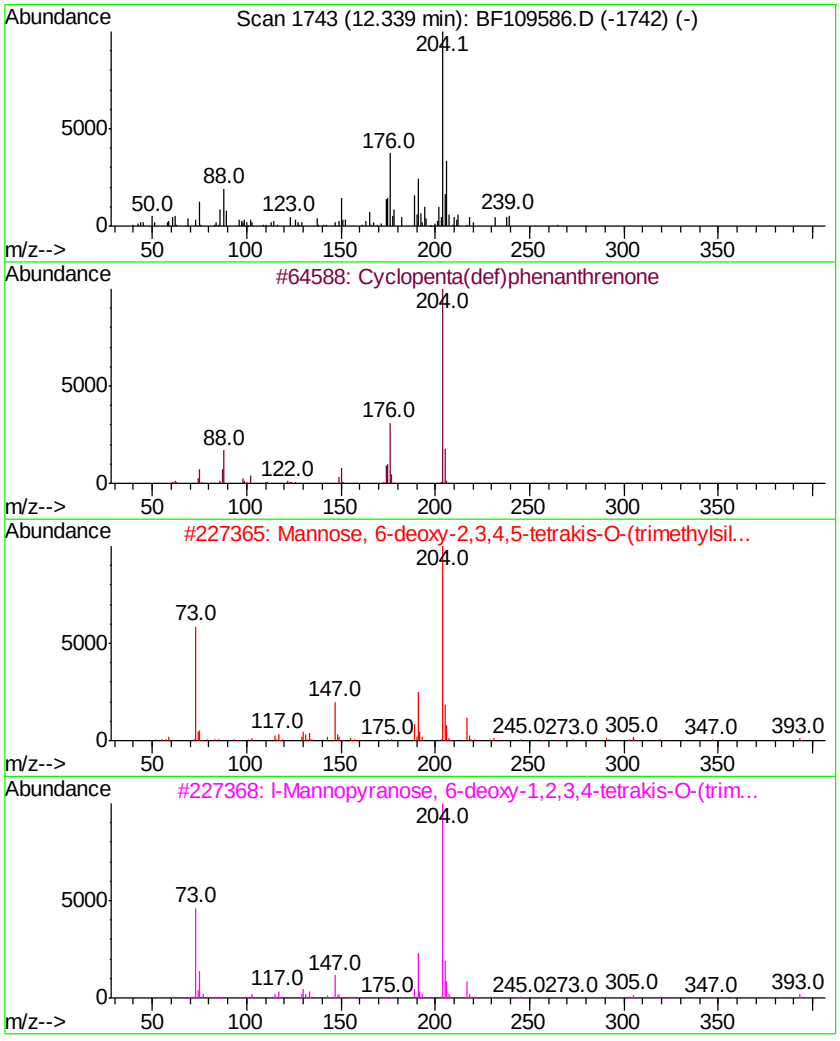
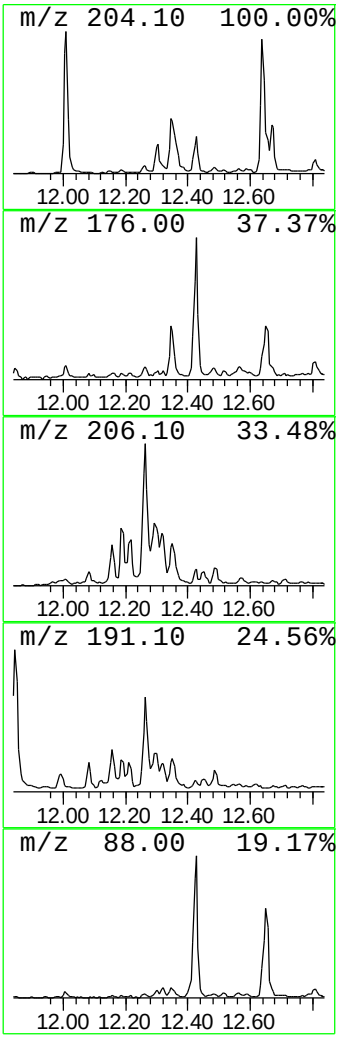
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	6.05 ng	205955	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	58
2	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
3	l-Mannopyranose, 6-deoxy-1,2,3,4...	452	C18H44O5Si4	108392-01-4	43
4	.beta.-D-Glucopyranose, 1,2,3,4,...	540	C21H52O6Si5	002775-90-8	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	43





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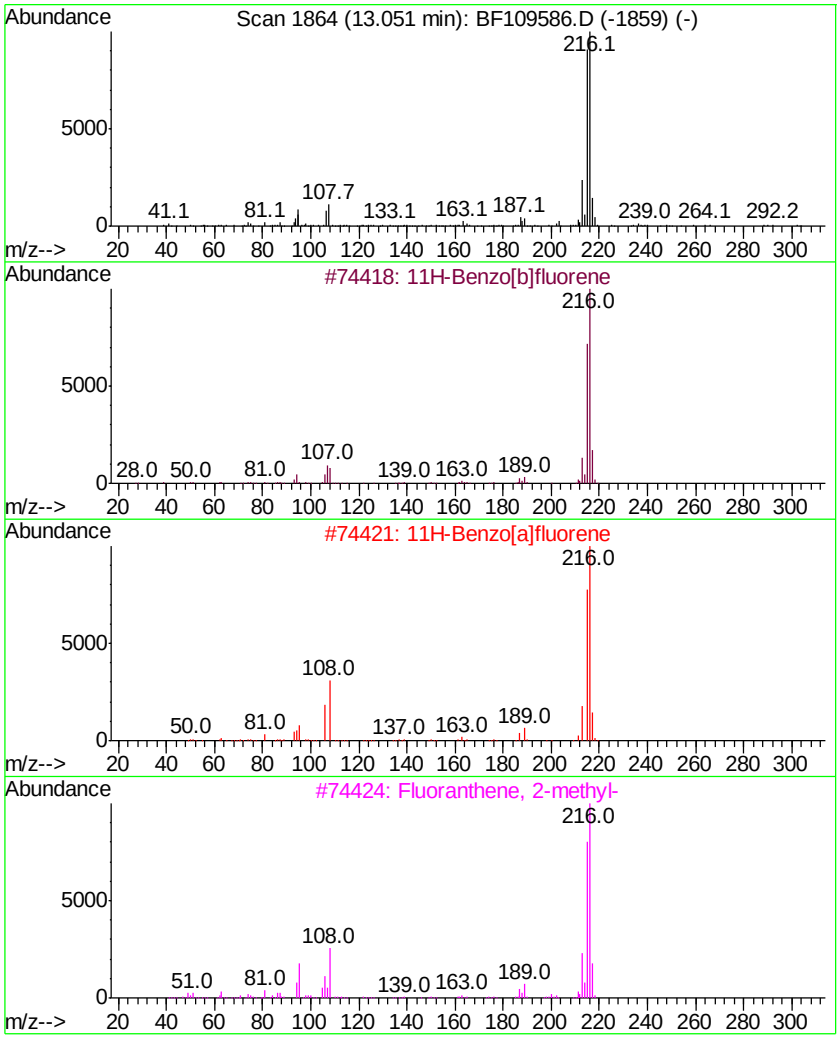
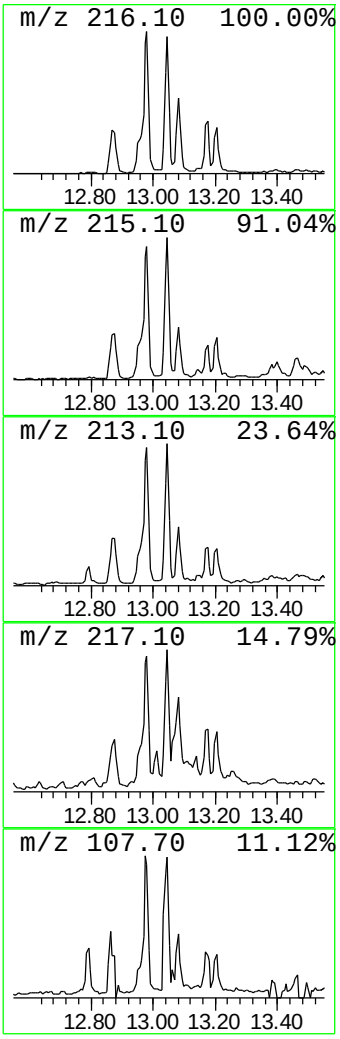
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.51 ng	442458	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	59





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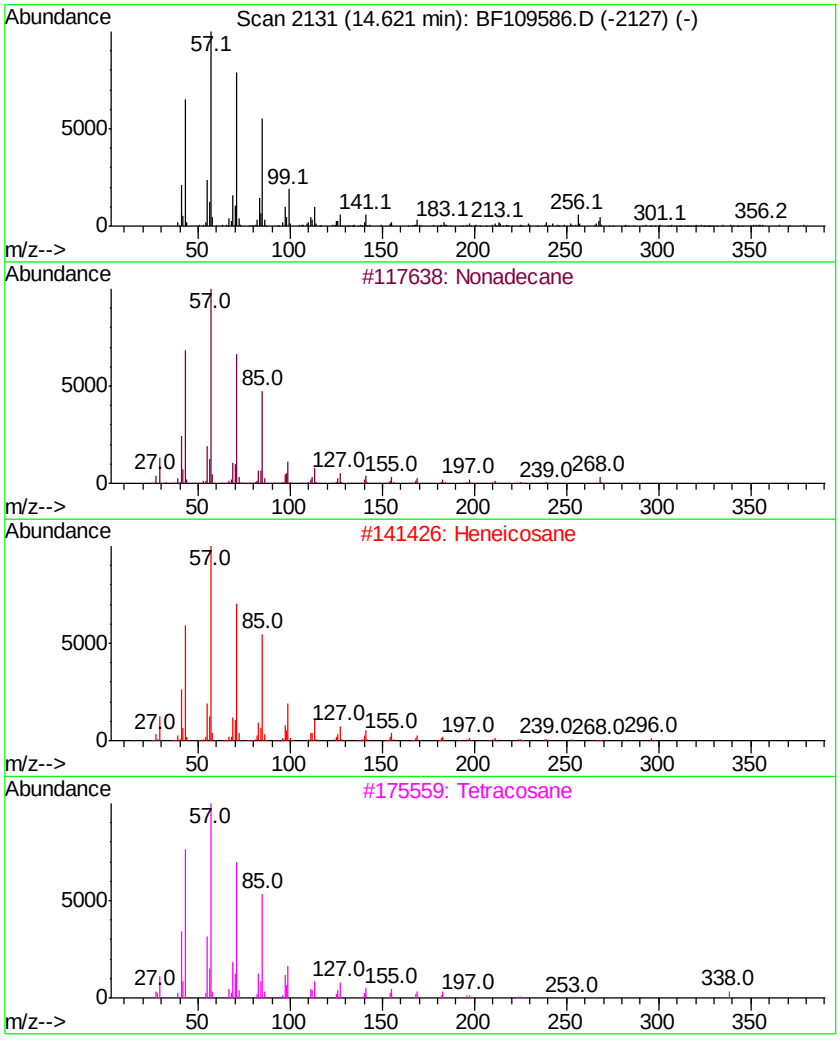
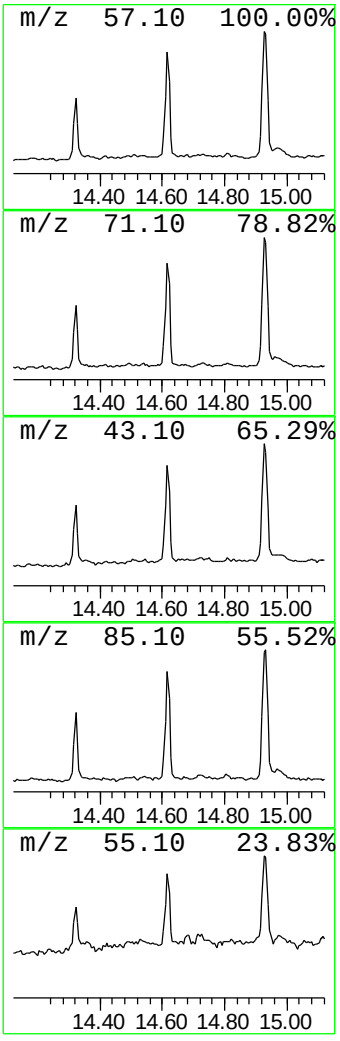
Peak Number 16 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	17.32 ng	425147	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetracosane	338	C24H50	000646-31-1	87
4	Eicosane	282	C20H42	000112-95-8	87
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	83





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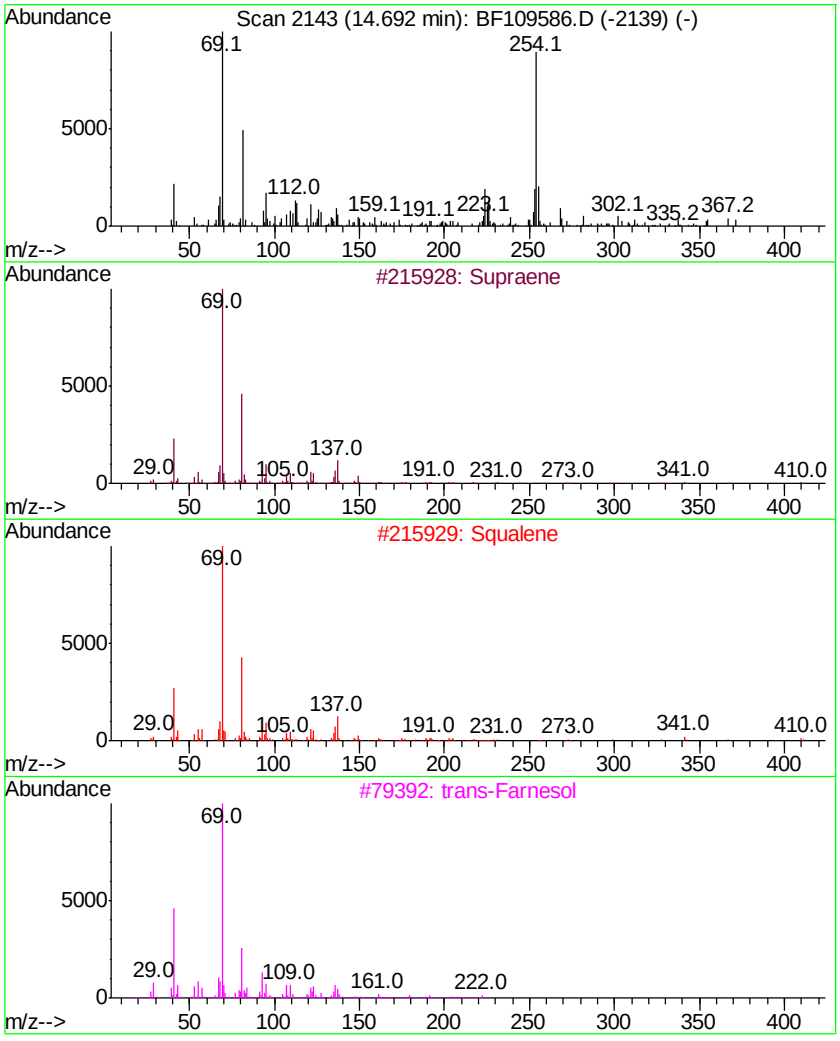
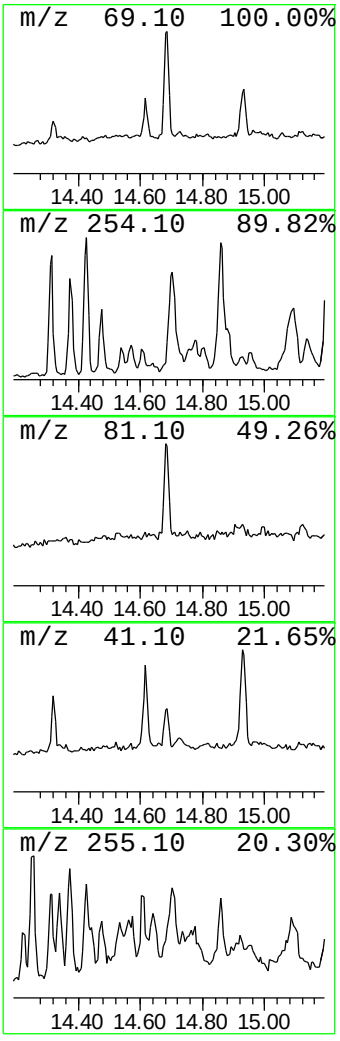
Peak Number 17 Supraene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	5.67 ng	139188	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	74
2	Squalene	410	C30H50	000111-02-4	72
3	trans-Farnesol	222	C15H26O	000106-28-5	70
4	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	70
5	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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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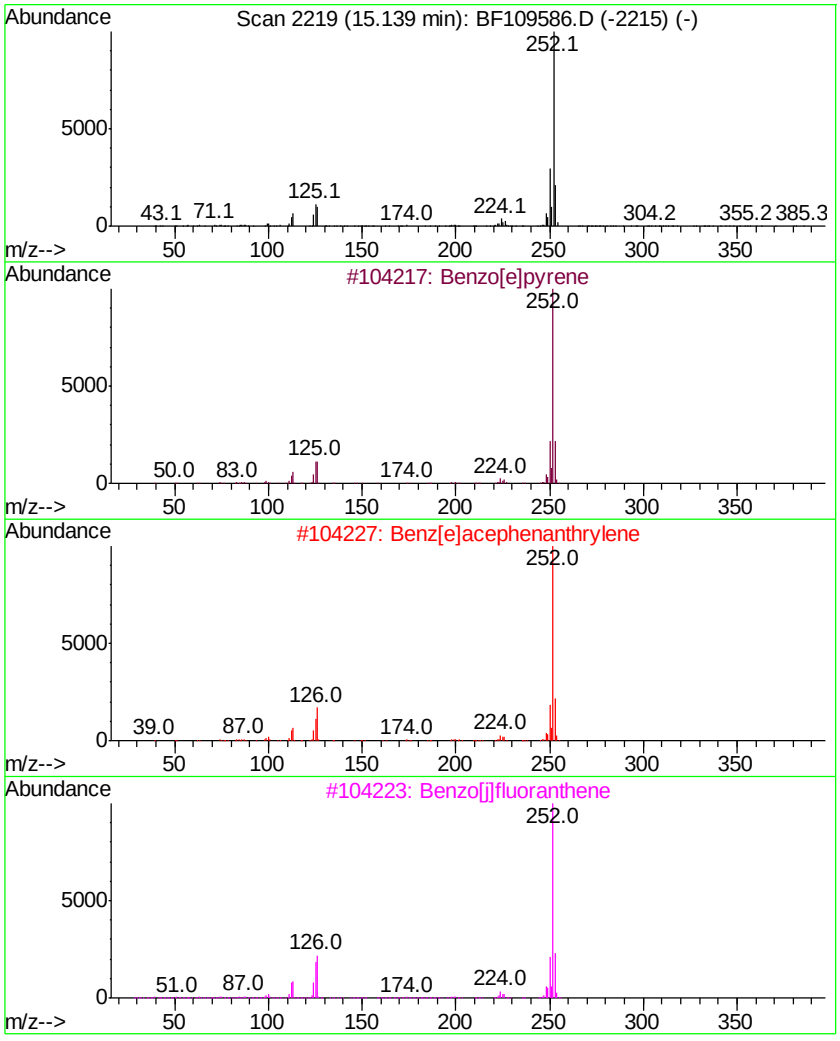
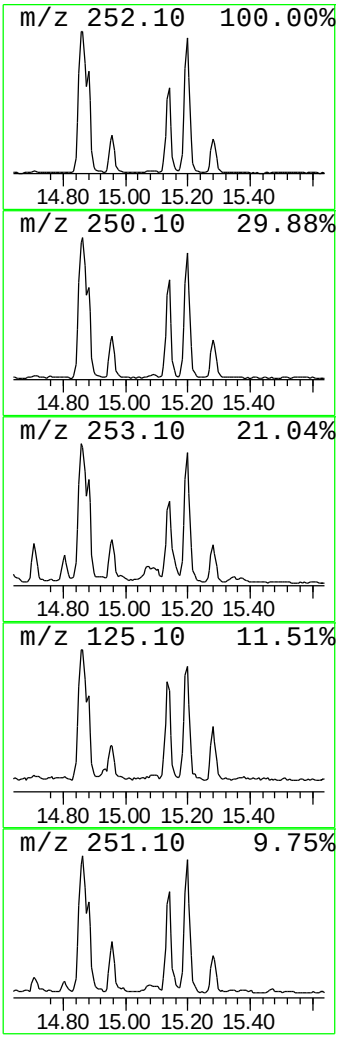
Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	24.97 ng	612815	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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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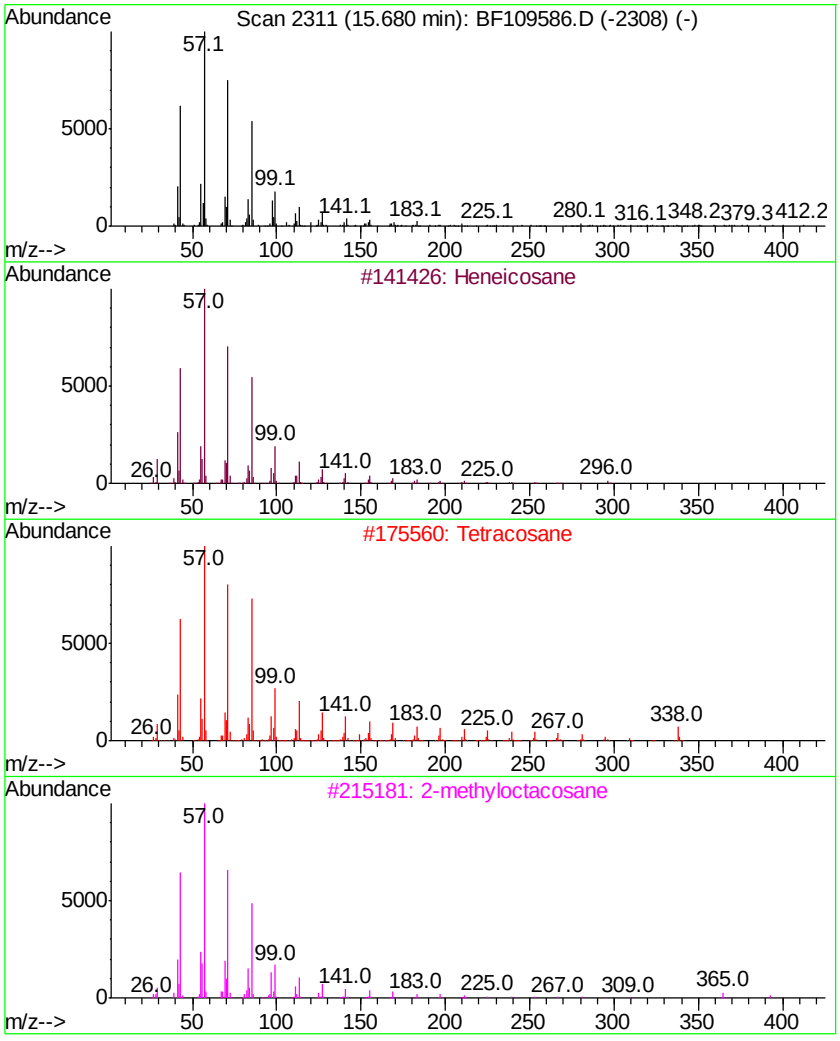
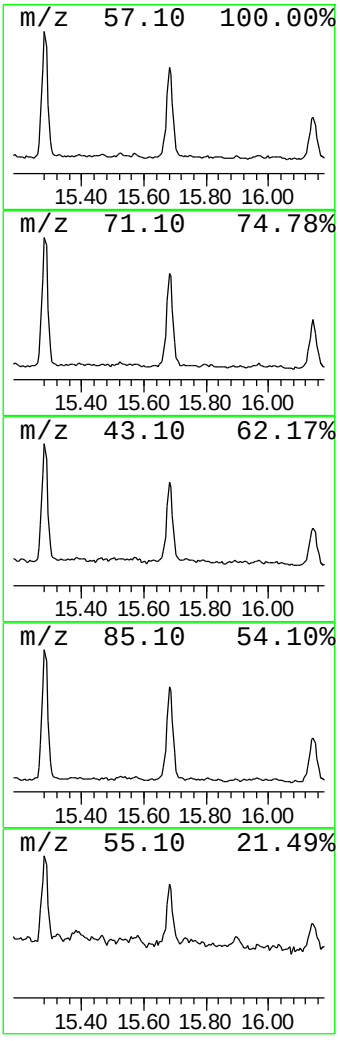
Peak Number 19 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	15.55 ng	381498	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Octadecane	254	C18H38	000593-45-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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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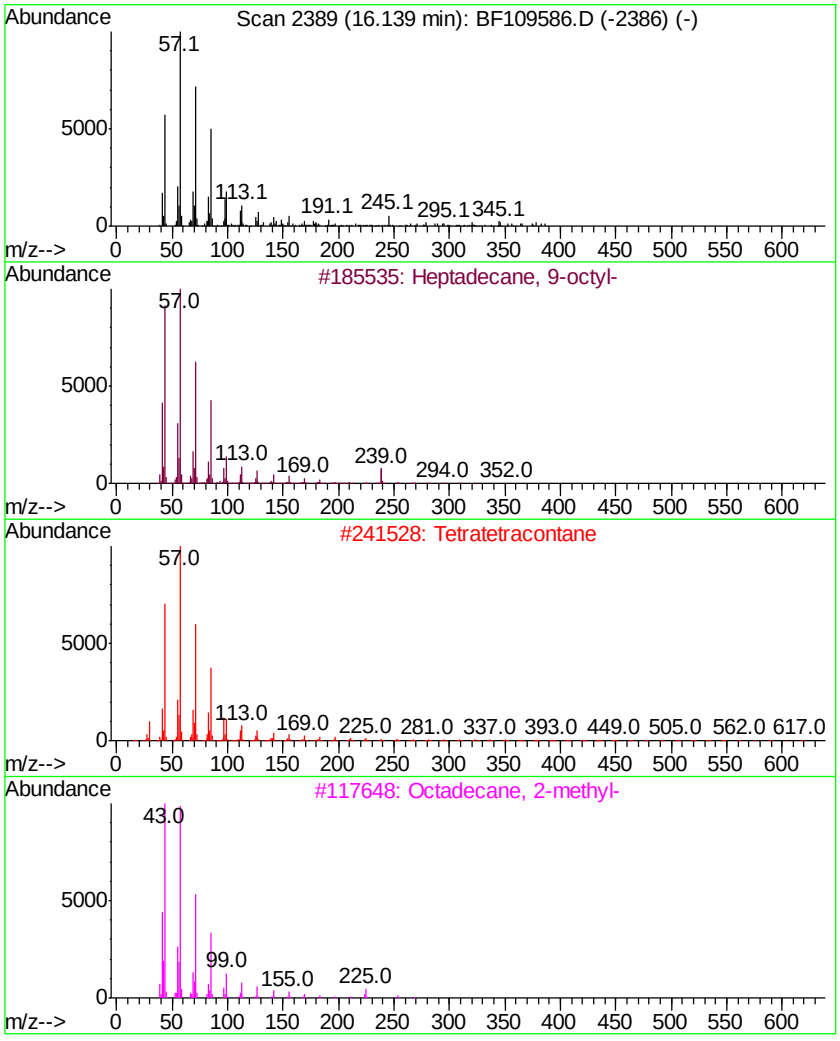
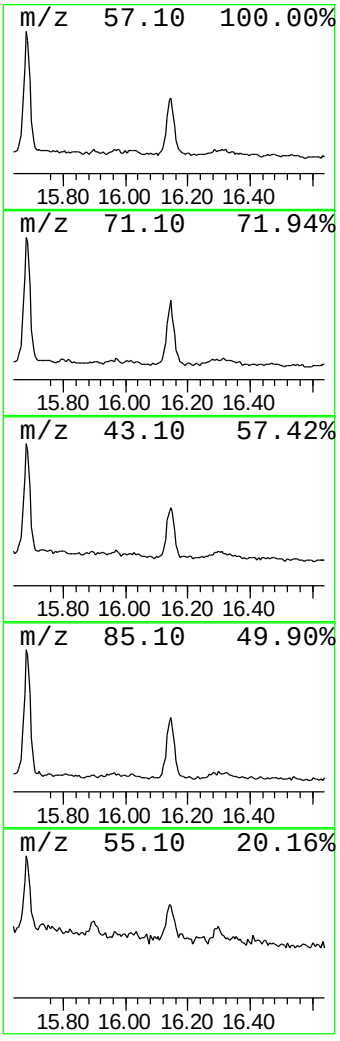
Peak Number 20 Heptadecane, 9-octyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	7.28 ng	178775	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
2	Tetratetracontane	619	C44H90	007098-22-8	87
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	87
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5	Heptacosane	380	C27H56	000593-49-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100418\
Data File : BF109586.D
Acq On : 4 Oct 2018 15:04
Operator : JU/SJ
Sample : J5204-03 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-100318-B

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.47	6.47	29.7	ng	858399	1	6.70	577234	20.0
Tetradecane	10.65	3.5	ng	120628	4	11.22	680654	20.0
Dibenzothiophene	11.11	6.1	ng	208852	4	11.22	680654	20.0
Hexadecanoic acid...	11.62	13.8	ng	470357	4	11.22	680654	20.0
Anthracene, 2-met...	11.72	6.7	ng	227768	4	11.22	680654	20.0
Phenanthrene, 2-m...	11.75	10.9	ng	369093	4	11.22	680654	20.0
4H-Cyclopenta[def...	11.82	16.4	ng	559766	4	11.22	680654	20.0
Naphthalene, 2-ph...	12.01	5.2	ng	175903	4	11.22	680654	20.0
9,10-Dimethylanth...	12.26	4.7	ng	158628	4	11.22	680654	20.0
9,12-Octadecadien...	12.30	50.0	ng	1702530	4	11.22	680654	20.0
9-Octadecenoic ac...	12.32	30.7	ng	1044860	4	11.22	680654	20.0
Cyclopenta(def)ph...	12.34	6.0	ng	205955	4	11.22	680654	20.0
11H-Benzo[b]fluorene	13.05	4.5	ng	442458	5	13.84	1960670	20.0
Nonadecane	14.62	17.3	ng	425147	6	15.25	490824	20.0
Supraene	14.69	5.7	ng	139188	6	15.25	490824	20.0
Benzo[e]pyrene	15.14	25.0	ng	612815	6	15.25	490824	20.0
Heneicosane	15.68	15.6	ng	381498	6	15.25	490824	20.0
Heptadecane, 9-oc...	16.14	7.3	ng	178775	6	15.25	490824	20.0