LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116090.D
Acq On : 9 Aug 2019 1:38
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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-BF073019.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	5.463	571	574	602	rBV	298862	512415	18.71%	1.306%
2	6.469	742	745	766	rBV	412487	593874	21.68%	1.513%
3	6.610	766	769	777	rBV	643537	612352	22.35%	1.560%
4	6.834	804	807	816	rBV	628761	620692	22.66%	1.581%
5	6.992	830	834	845	rBV	536630	504683	18.42%	1.286%
6	7.398	900	903	916	rBV	276279	370302	13.52%	0.943%
7	8.116	1022	1025	1033	rBV	909103	853498	31.16%	2.175%
8	8.833	1144	1147	1155	rBV	71193	74375	2.71%	0.189%
9	8.928	1159	1163	1171	rBV2	90731	119576	4.36%	0.305%
10	9.186	1204	1207	1213	rBV	894411	806077	29.42%	2.054%
11	9.269	1218	1221	1224	rBV	72064	63600	2.32%	0.162%
12	9.463	1249	1254	1257	rBV2	58878	75053	2.74%	0.191%
13	9.528	1262	1265	1268	rVV	112555	122614	4.48%	0.312%
14	9.586	1272	1275	1279	rVV3	93328	140965	5.15%	0.359%
15	9.645	1282	1285	1290	rVB2	65247	77105	2.81%	0.196%
16	9.733	1296	1300	1304	rBV	245635	239384	8.74%	0.610%
17	9.798	1309	1311	1315	rVB	103823	81034	2.96%	0.206%
18	9.869	1315	1323	1327	rBV	1256457	1128650	41.20%	2.876%
19	9.904	1327	1329	1333	rVB	112124	101382	3.70%	0.258%
20	10.075	1353	1358	1362	rVV	192173	199915	7.30%	0.509%
21	10.116	1362	1365	1370	rVB3	61983	70989	2.59%	0.181%
22	10.186	1374	1377	1380	rBV	66783	76317	2.79%	0.194%
23	10.298	1394	1396	1398	rVB	157520	112894	4.12%	0.288%
24	10.416	1413	1416	1422	rVB	446972	435547	15.90%	1.110%
25	10.522	1429	1434	1439	rVB3	48038	90743	3.31%	0.231%
26	10.575	1439	1443	1446	rVB	81959	78505	2.87%	0.200%
27	10.657	1454	1457	1463	rVB	415997	458956	16.75%	1.169%
28	10.769	1473	1476	1484	rVB2	162611	223954	8.18%	0.571%
29	10.969	1505	1510	1513	rBV2	119211	167412	6.11%	0.427%
30	10.992	1513	1514	1517	rVV	76483	67105	2.45%	0.171%
31	11.051	1521	1524	1527	rVV2	62423	62544	2.28%	0.159%
32	11.092	1527	1531	1533	rVV3	55965	65763	2.40%	0.168%
33	11.116	1533	1535	1541	rVV3	54983	76112	2.78%	0.194%
34	11.216	1547	1552	1555	rVV2	174837	191085	6.98%	0.487%

LSC Area Percent Report

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Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.251	1555	1558	1563	rVB2	230086	240214	8.77%	0.612%
36	11.357	1572	1576	1578	rBV	1205738	1123915	41.03%	2.864%
37	11.380	1578	1580	1584	rVV	2403937	1992863	72.75%	5.078%
38	11.433	1586	1589	1592	rVV	634415	580787	21.20%	1.480%
39	11.469	1592	1595	1601	rVV4	62184	133546	4.87%	0.340%
40	11.527	1601	1605	1609	rVV4	41984	72923	2.66%	0.186%
41	11.592	1612	1616	1622	rVV	200905	264569	9.66%	0.674%
42	11.645	1622	1625	1627	rVV2	197062	185011	6.75%	0.471%
43	11.686	1630	1632	1638	rVV2	65730	95995	3.50%	0.245%
44	11.745	1638	1642	1645	rVV	885494	784337	28.63%	1.998%
45	11.857	1658	1661	1664	rBV	316788	287788	10.51%	0.733%
46	11.886	1664	1666	1671	rVV	400213	358994	13.10%	0.915%
47	11.933	1671	1674	1677	rVV	136640	140393	5.12%	0.358%
48	11.969	1677	1680	1683	rVV	554703	618609	22.58%	1.576%
49	11.992	1683	1684	1688	rVB	211090	141760	5.17%	0.361%
50	12.051	1690	1694	1699	rVV2	125511	142086	5.19%	0.362%
51	12.151	1708	1711	1715	rBV	211863	182082	6.65%	0.464%
52	12.186	1715	1717	1722	rVB	82805	88876	3.24%	0.226%
53	12.333	1739	1742	1744	rVV	98143	79305	2.89%	0.202%
54	12.427	1755	1758	1760	rVV	1930230	1925936	70.30%	4.907%
55	12.451	1760	1762	1768	rVV	3036277	2739451	100.00%	6.980%
56	12.504	1768	1771	1773	rVV3	109039	120138	4.39%	0.306%
57	12.533	1773	1776	1779	rVB	440535	339660	12.40%	0.865%
58	12.574	1779	1783	1786	rBV	2439695	2207868	80.60%	5.625%
59	12.669	1796	1799	1802	rVV	138546	120671	4.40%	0.307%
60	12.721	1805	1808	1811	rVV	109220	121160	4.42%	0.309%
61	12.804	1814	1822	1828	rVV	1960831	2281581	83.29%	5.813%
62	12.857	1828	1831	1834	rVB2	103595	120474	4.40%	0.307%
63	12.933	1839	1844	1847	rBV2	890768	858407	31.34%	2.187%
64	12.963	1847	1849	1854	rVB2	80289	95047	3.47%	0.242%
65	13.016	1854	1858	1862	rBV3	159582	282278	10.30%	0.719%
66	13.127	1874	1877	1881	rVB	372169	381791	13.94%	0.973%
67	13.163	1881	1883	1885	rBV2	73061	80098	2.92%	0.204%
68	13.192	1885	1888	1891	rVB	305452	282436	10.31%	0.720%
69	13.233	1891	1895	1897	rBV2	217659	210581	7.69%	0.537%
70	13.327	1908	1911	1913	rBV	117775	103704	3.79%	0.264%
71	13.357	1913	1916	1920	rVV	122125	118678	4.33%	0.302%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-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-BF073019.M
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72	13.504	1939	1941	1944	rBV2	79461	81104	2.96%	0.207%
73	13.645	1962	1965	1968	rVB2	98717	99002	3.61%	0.252%
74	13.751	1980	1983	1985	rBV	147502	140239	5.12%	0.357%
75	13.774	1985	1987	1989	rVB	137256	105746	3.86%	0.269%
76	13.798	1989	1991	1993	rBV	97906	98159	3.58%	0.250%
77	13.851	1998	2000	2003	rVB	81603	79111	2.89%	0.202%
78	13.921	2009	2012	2017	rVB2	66563	85047	3.10%	0.217%
79	13.992	2017	2024	2028	rBV2	1248302	2069104	75.53%	5.272%
80	14.027	2028	2030	2037	rVB	814718	737412	26.92%	1.879%
81	14.104	2041	2043	2046	rVB	118036	95770	3.50%	0.244%
82	14.151	2048	2051	2056	rVV3	152889	184481	6.73%	0.470%
83	14.227	2060	2064	2067	rBV2	65287	94534	3.45%	0.241%
84	14.351	2082	2085	2086	rBV2	64342	61496	2.24%	0.157%
85	14.386	2086	2091	2094	rVV	244508	310712	11.34%	0.792%
86	14.421	2094	2097	2099	rVV	89200	91765	3.35%	0.234%
87	14.457	2100	2103	2106	rVV3	93738	131097	4.79%	0.334%
88	14.486	2106	2108	2110	rVV	87200	82303	3.00%	0.210%
89	14.510	2110	2112	2114	rVV	102244	102713	3.75%	0.262%
90	14.533	2114	2116	2120	rVB	102425	97172	3.55%	0.248%
91	14.880	2173	2175	2179	rVB2	75372	79737	2.91%	0.203%
92	15.039	2198	2202	2209	rBV	739144	1447773	52.85%	3.689%
93	15.145	2217	2220	2225	rVB	149835	170596	6.23%	0.435%
94	15.339	2249	2253	2260	rVB	446422	535529	19.55%	1.364%
95	15.404	2260	2264	2269	rBV	665000	839033	30.63%	2.138%
96	15.462	2270	2274	2277	rVV	646104	786028	28.69%	2.003%
97	15.498	2277	2280	2287	rVB2	161583	252477	9.22%	0.643%
98	15.892	2344	2347	2354	rVB3	54794	81065	2.96%	0.207%
99	16.933	2518	2524	2534	rBV	250628	548916	20.04%	1.399%
100	17.374	2594	2599	2610	rVB	169733	380487	13.89%	0.969%

Sum of corrected areas: 39248092

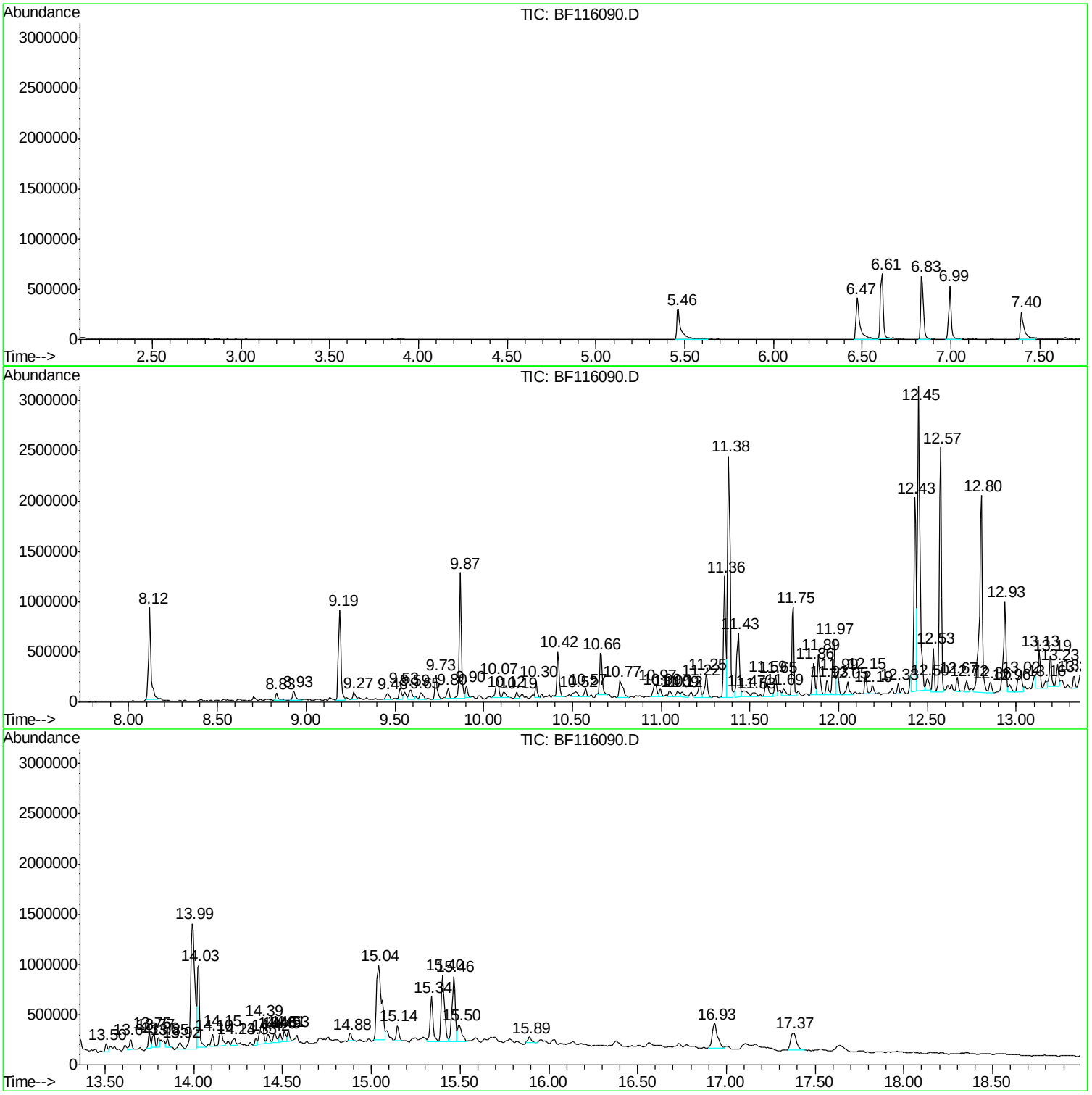
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116090.D
Acq On : 9 Aug 2019 1:38
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080819\
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

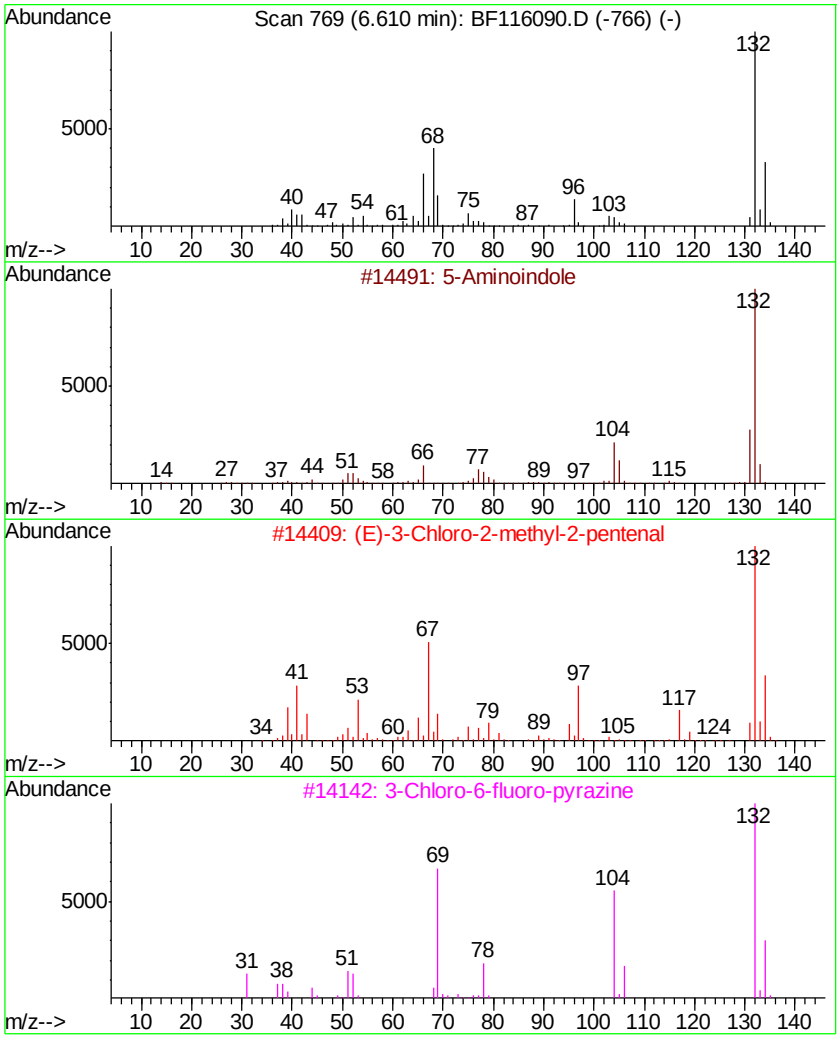
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

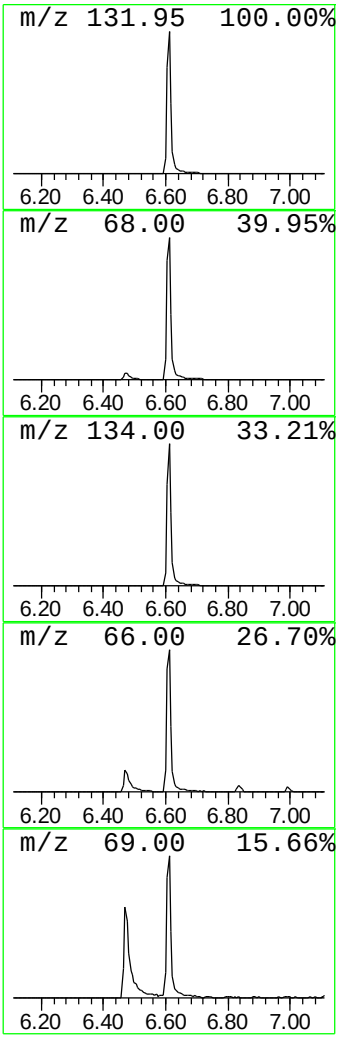
****

Peak Number 1 unknown6.61 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	19.73 ng	612352	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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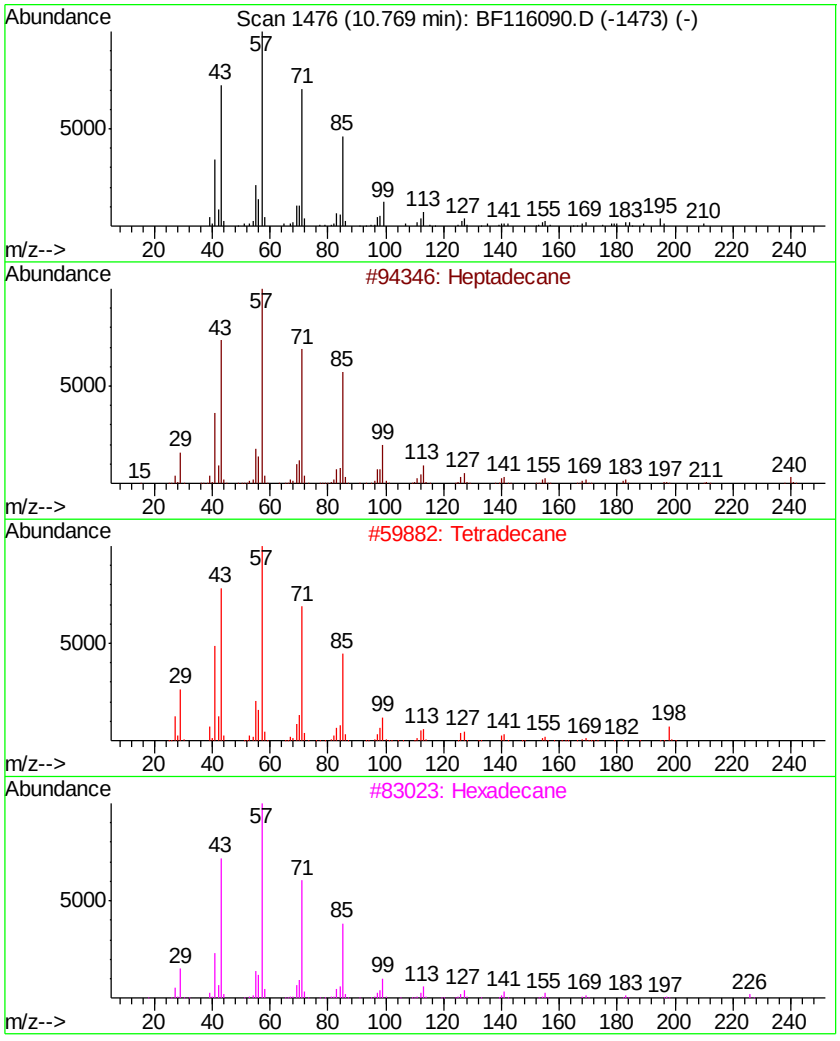
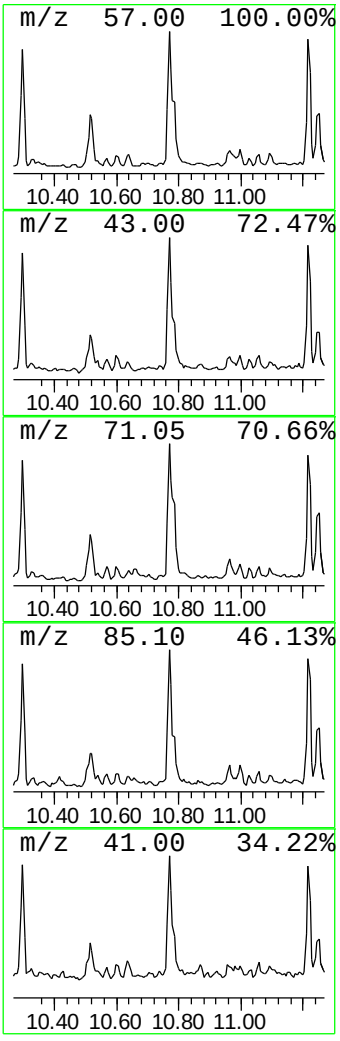
Peak Number 3 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.99 ng	223954	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Tetradecane	198	C14H30	000629-59-4	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Pentadecane	212	C15H32	000629-62-9	87
5	Eicosane	282	C20H42	000112-95-8	87





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ClientSampleId : SU-02-080219-B

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

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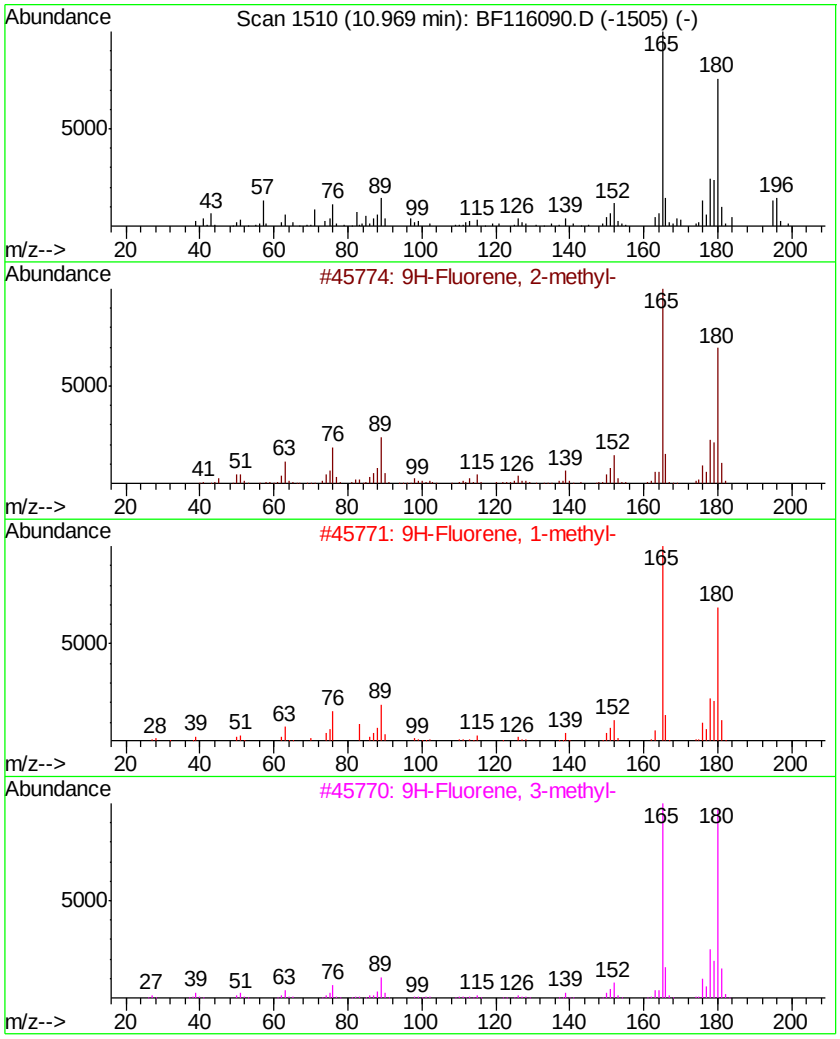
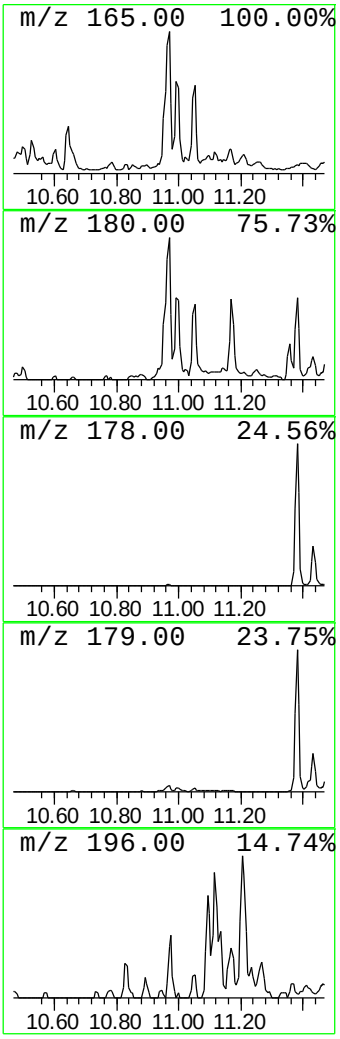
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	2.98 ng	167412	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	Ethanone, 1-(2,5-dimethoxyphenyl)-	180	C10H12O3	001201-38-3	58





Library Search Compound Report

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Data File : BF116090.D
Acq On : 9 Aug 2019 1:38
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Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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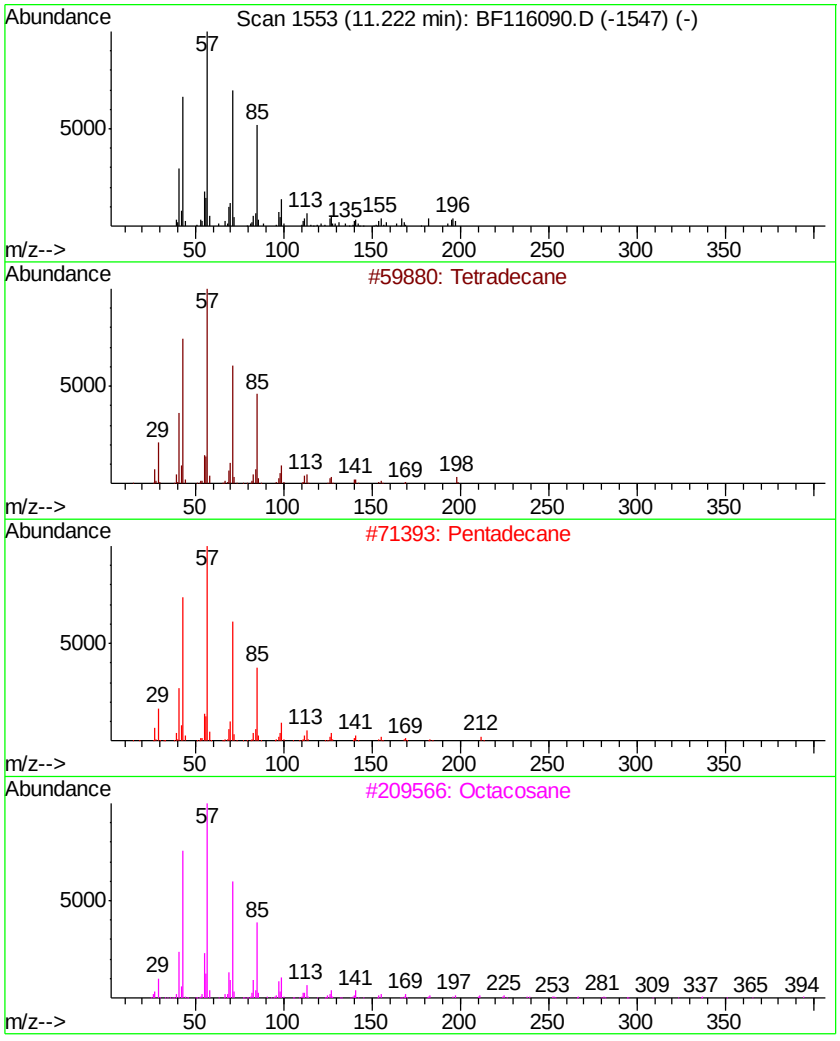
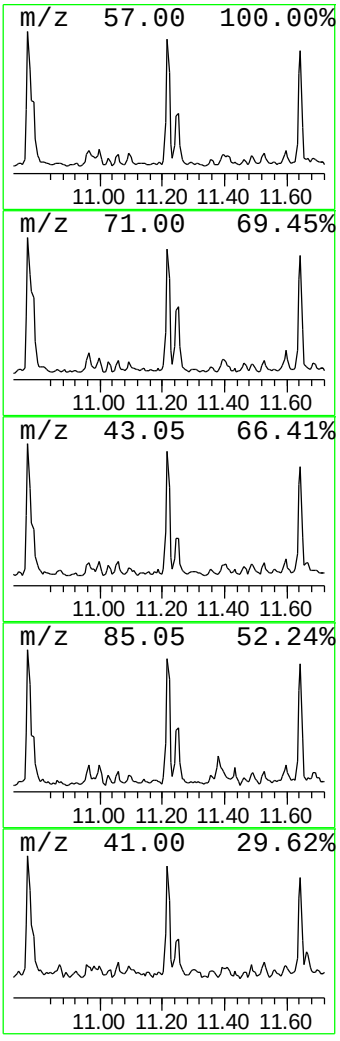
Peak Number 5 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.40 ng	191085	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	74
2	Pentadecane	212	C15H32	000629-62-9	74
3	Octacosane	394	C28H58	000630-02-4	74
4	Heneicosane	296	C21H44	000629-94-7	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116090.D
Acq On : 9 Aug 2019 1:38
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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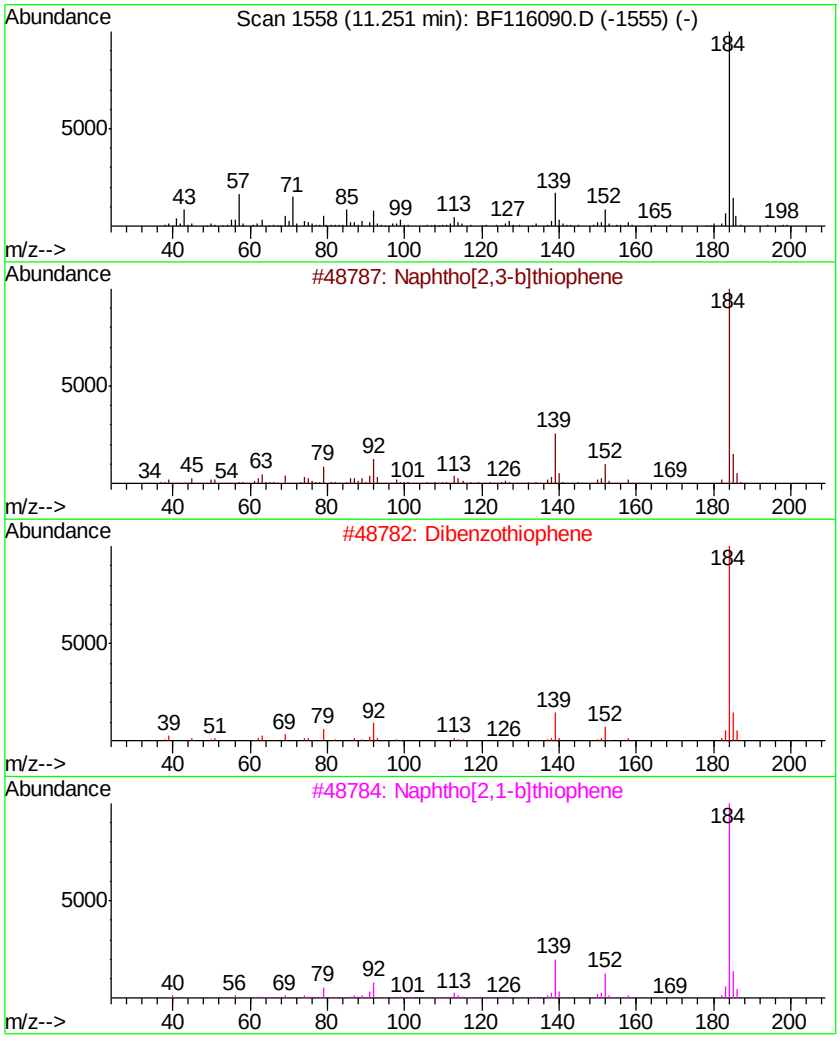
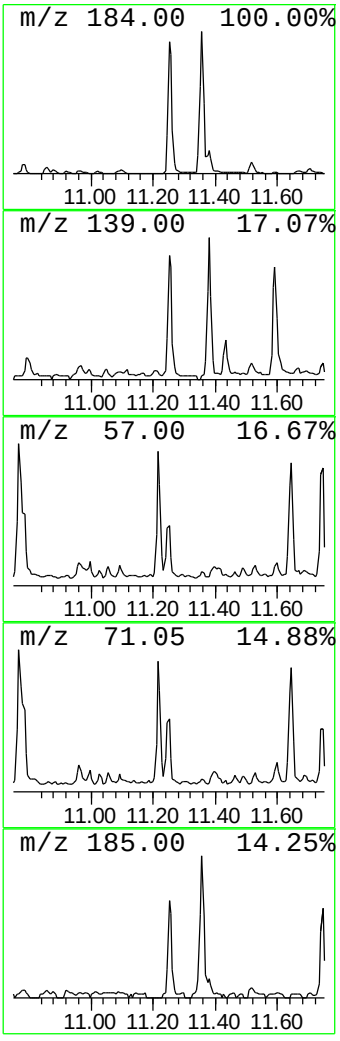
Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	4.27 ng	240214	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Acq On : 9 Aug 2019 1:38
Operator : HP/JU
Sample : K4095-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-080219-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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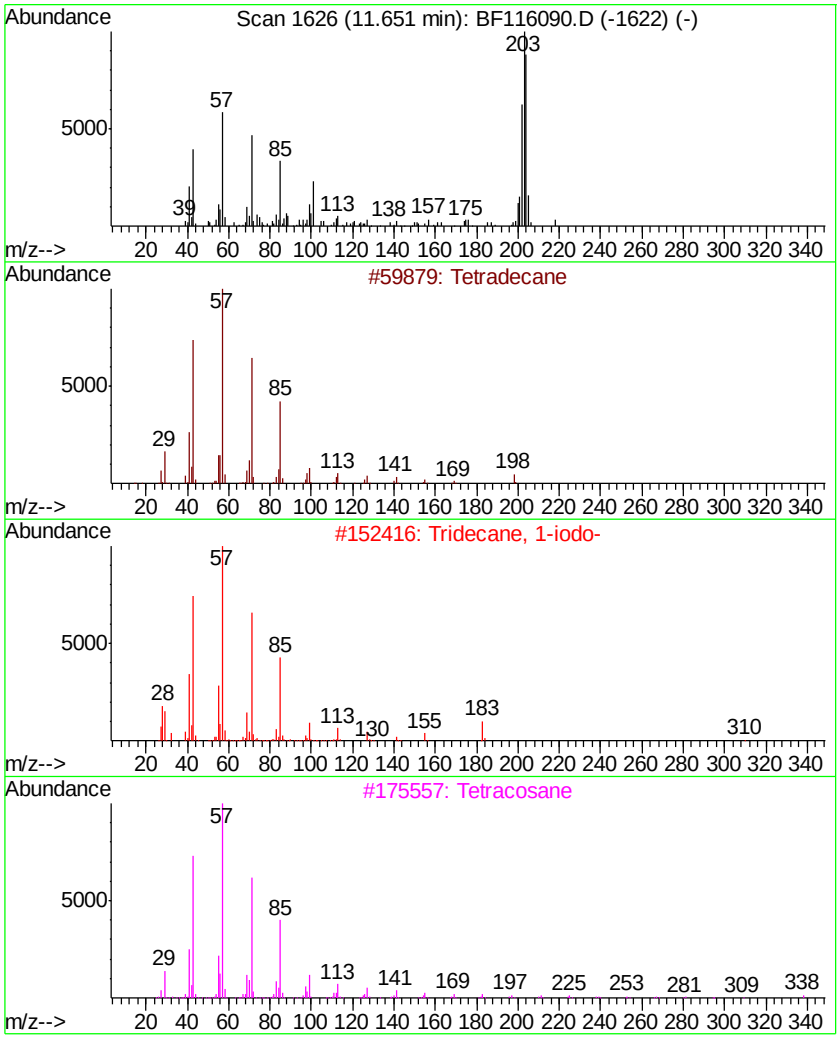
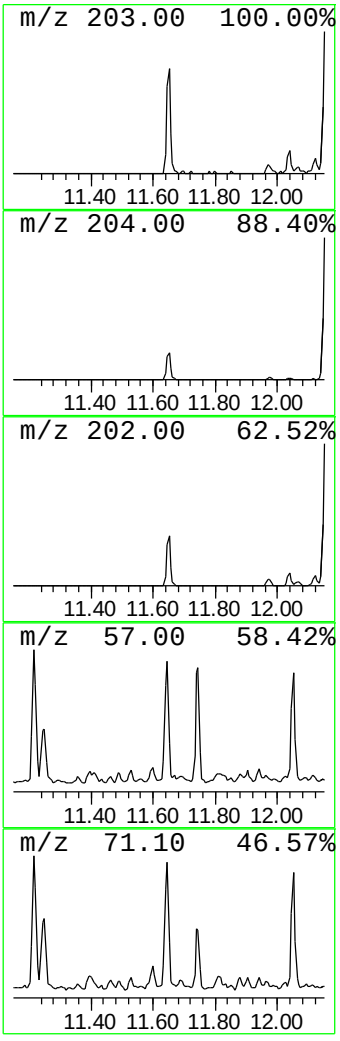
Peak Number 7 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.29 ng	185011	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	41
3	Tetracosane	338	C24H50	000646-31-1	41
4	Heptadecane	240	C17H36	000629-78-7	41
5	Heneicosane	296	C21H44	000629-94-7	41





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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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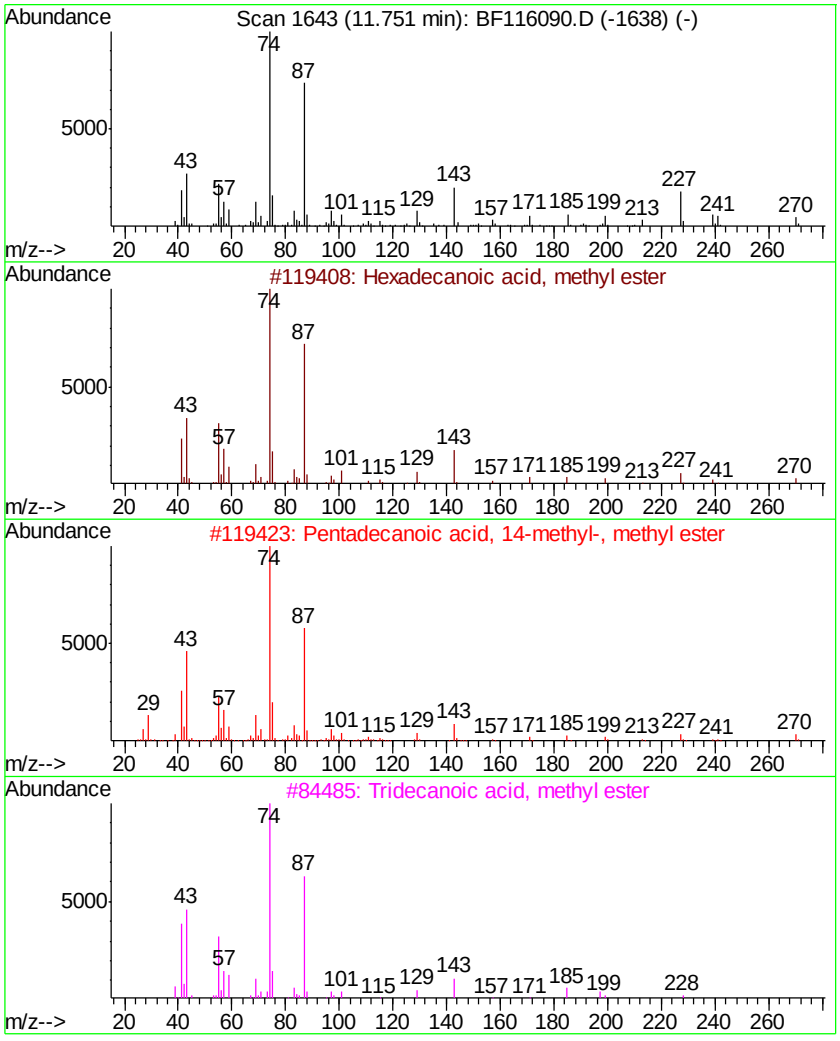
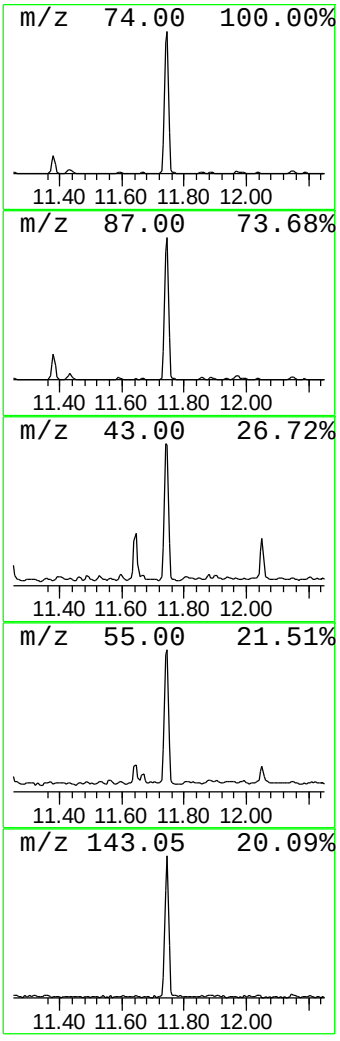
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	13.96 ng	784337	Phenanthrene-d10	11.36

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	96
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





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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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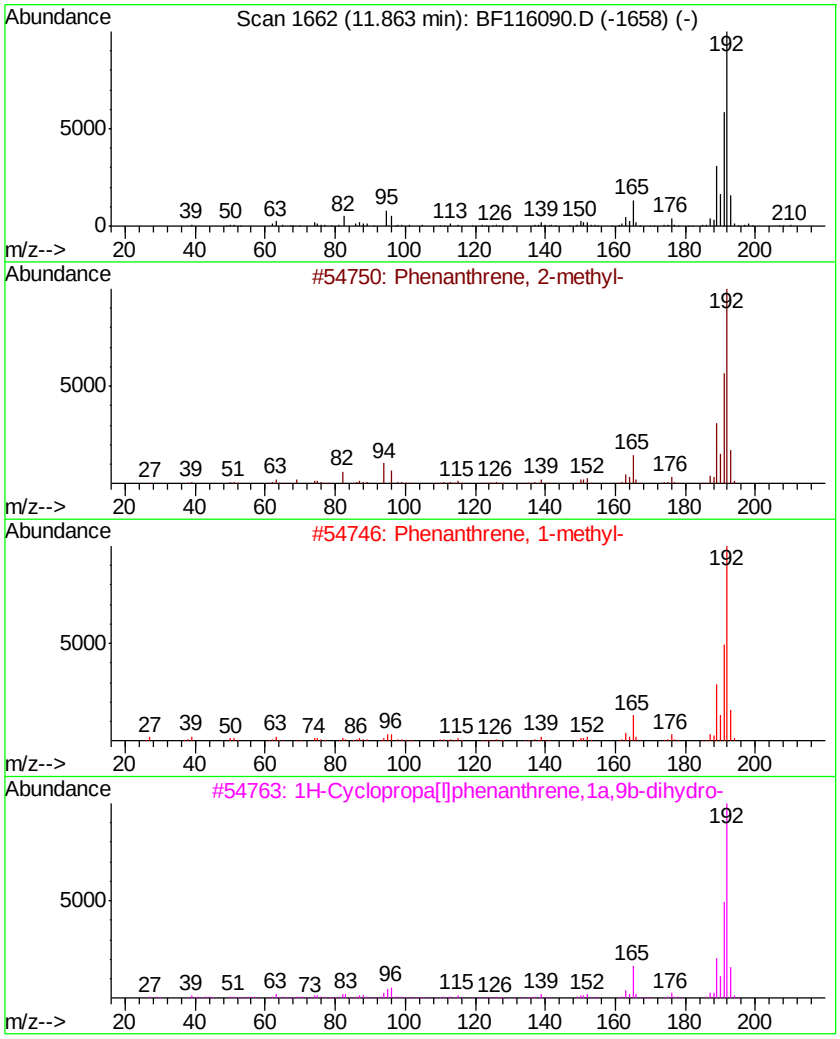
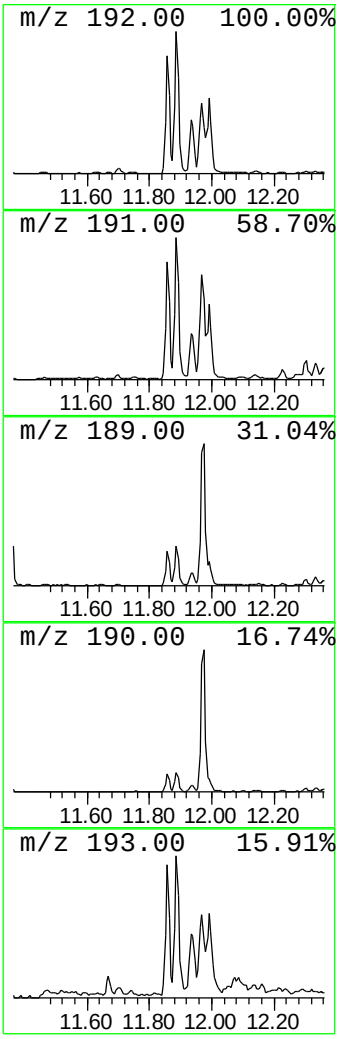
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.12 ng	287788	Phenanthrene-d10	11.36

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-02-080219-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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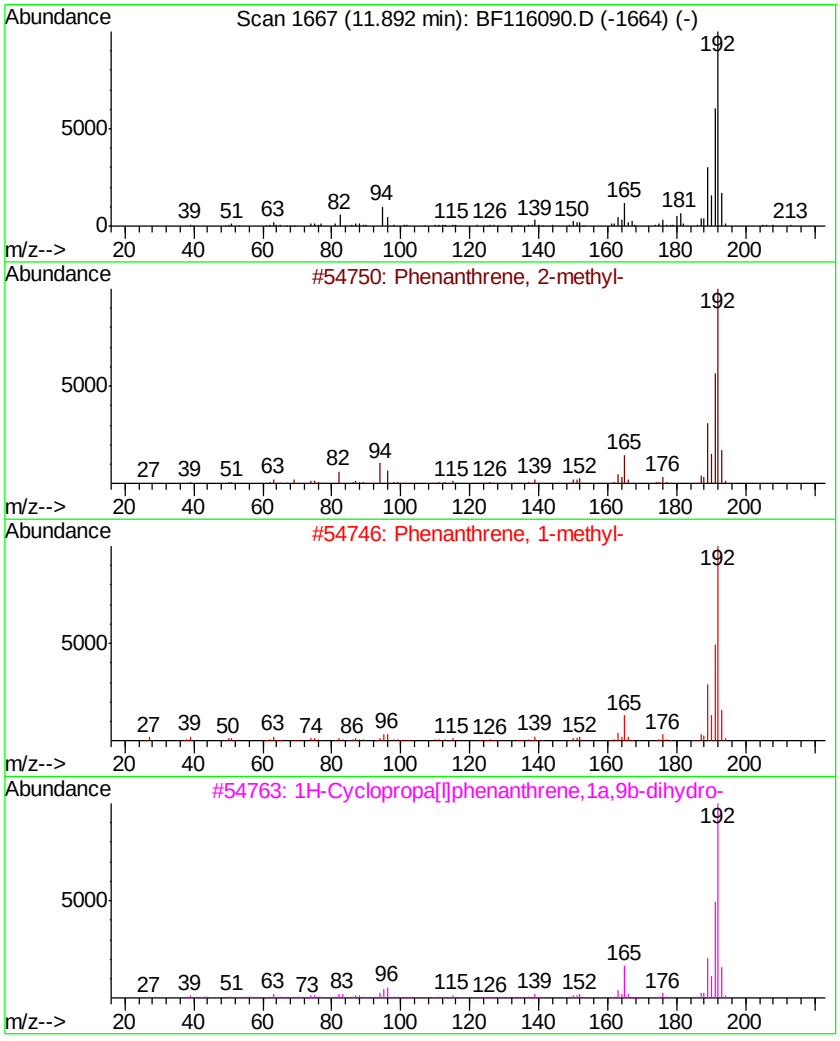
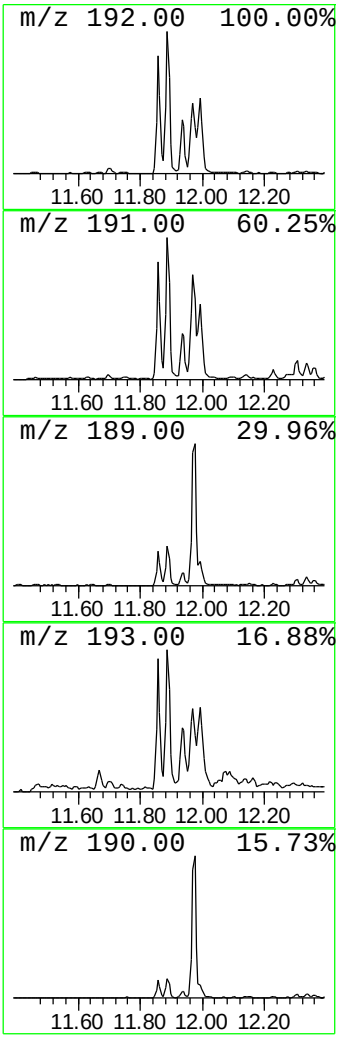
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.39 ng	358994	Phenanthrene-d10	11.36

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95





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ClientSampleId : SU-02-080219-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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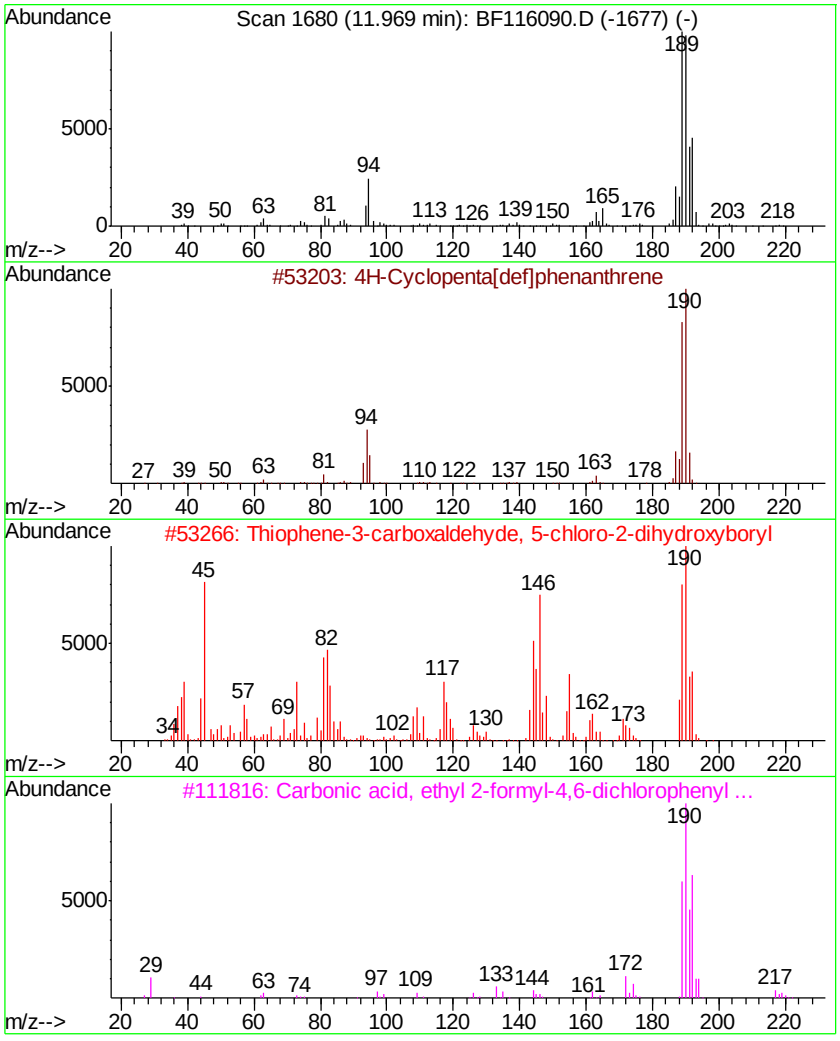
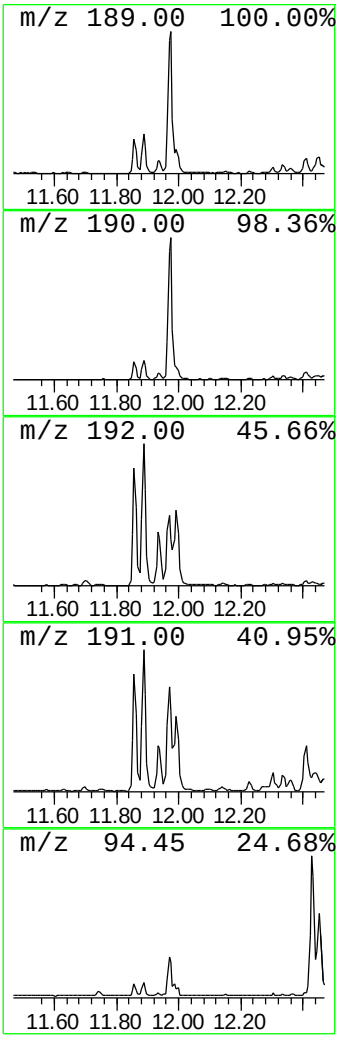
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	11.01 ng	618609	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Instrument : BNA_F
ClientSampleId : SU-02-080219-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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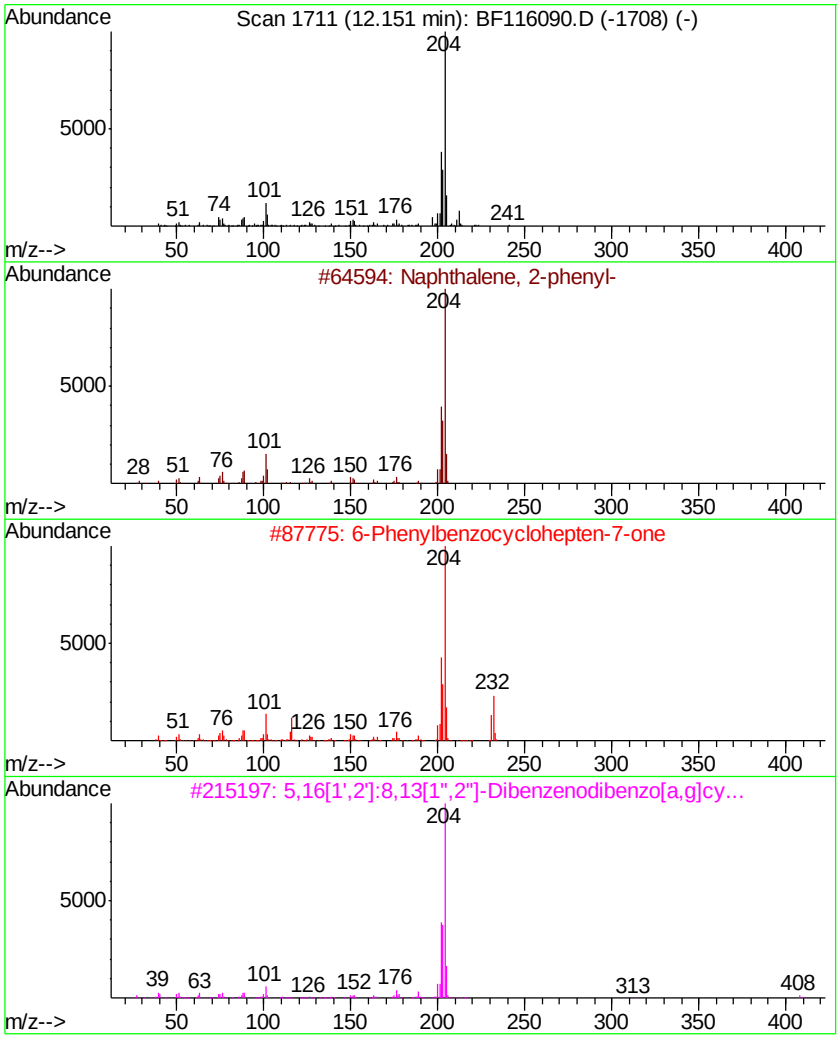
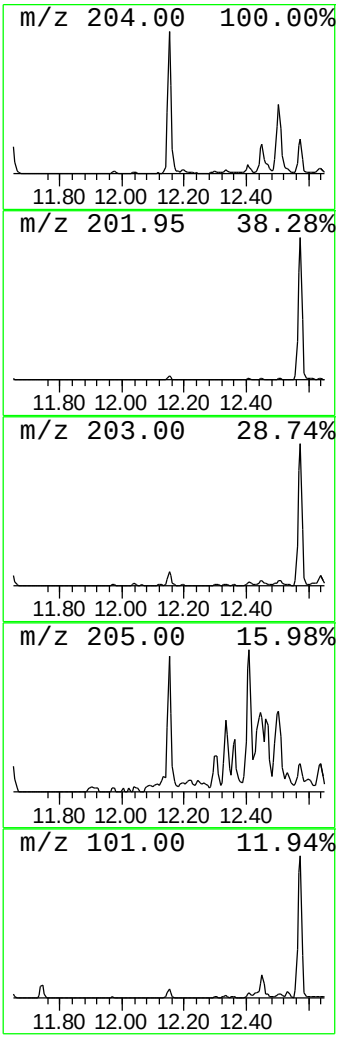
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.24 ng	182082	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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Instrument : BNA_F
ClientSampleId : SU-02-080219-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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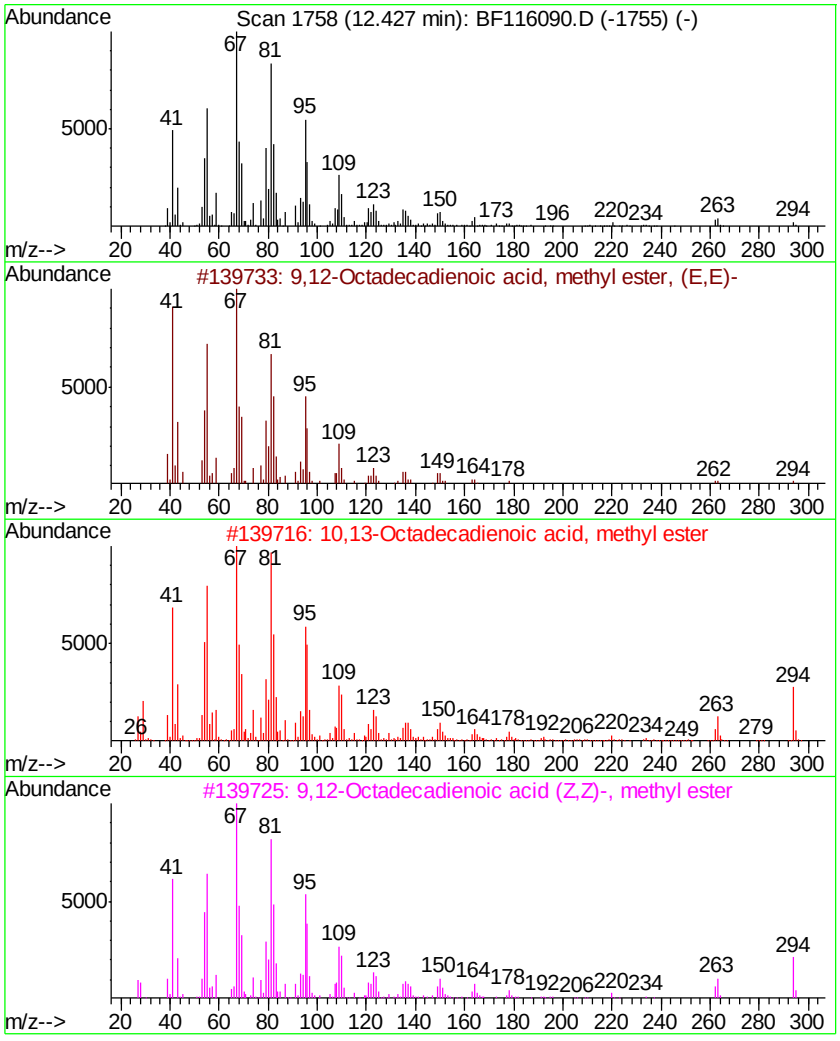
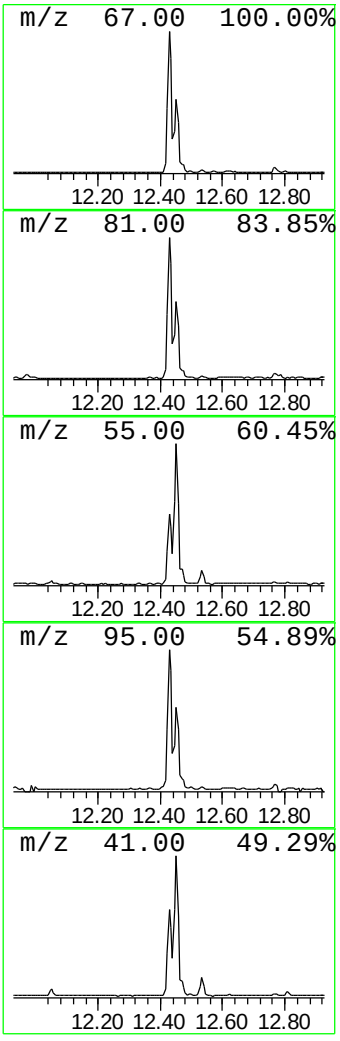
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	34.27 ng	1925940	Phenanthrene-d10	11.36

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	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	98
5	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	95





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Instrument : BNA_F
ClientSampleId : SU-02-080219-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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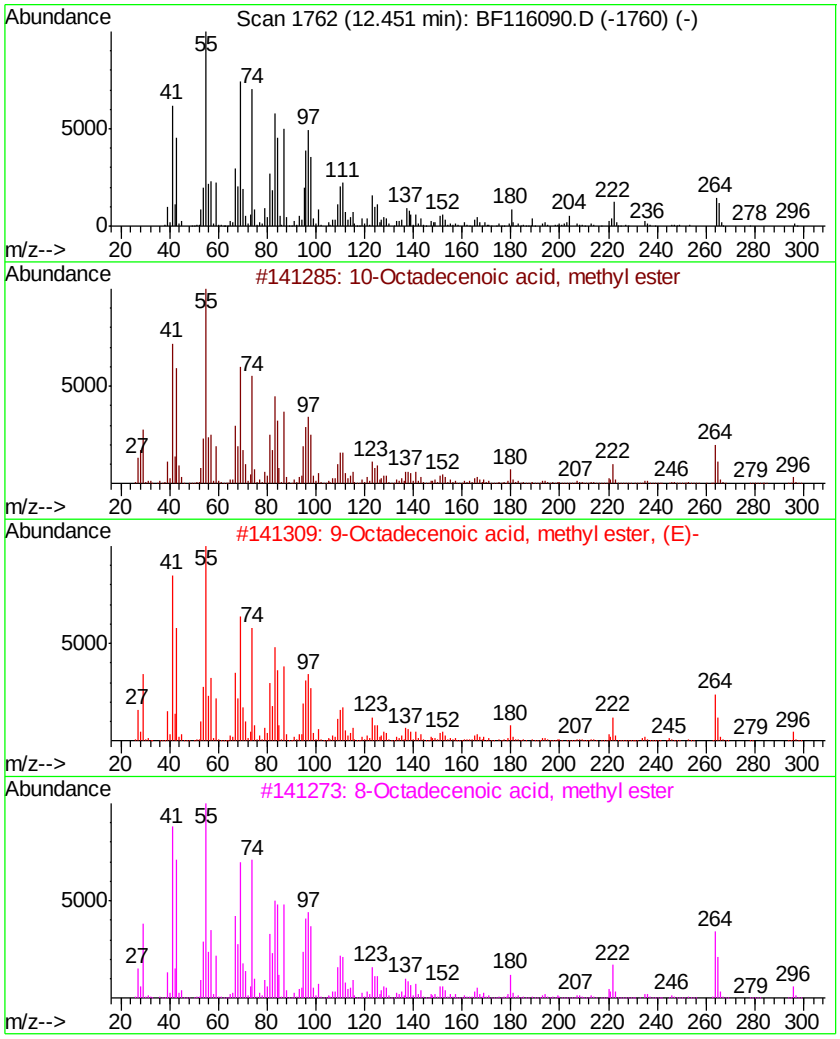
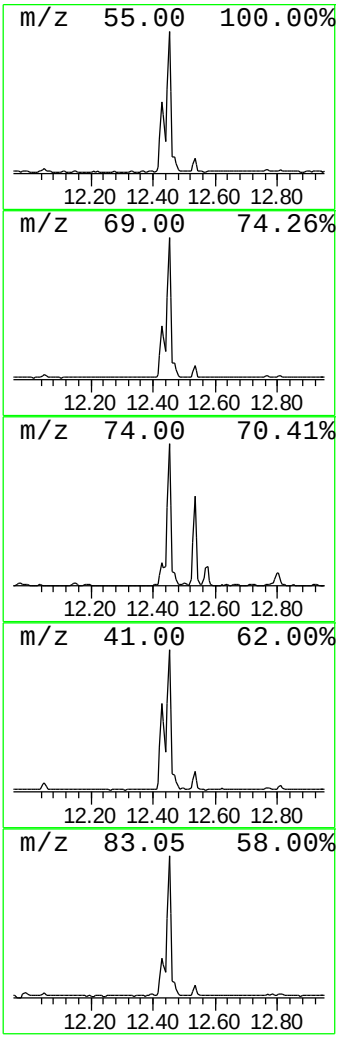
Peak Number 14 10-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	48.75 ng	2739450	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
4	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	97





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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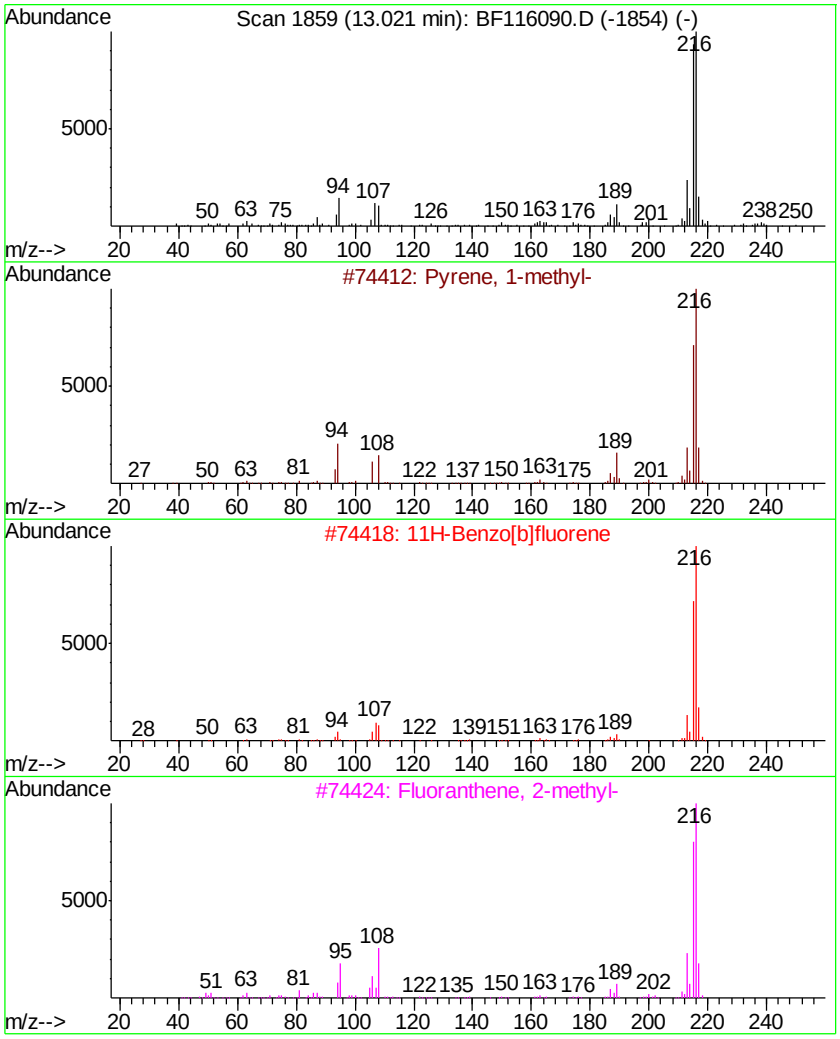
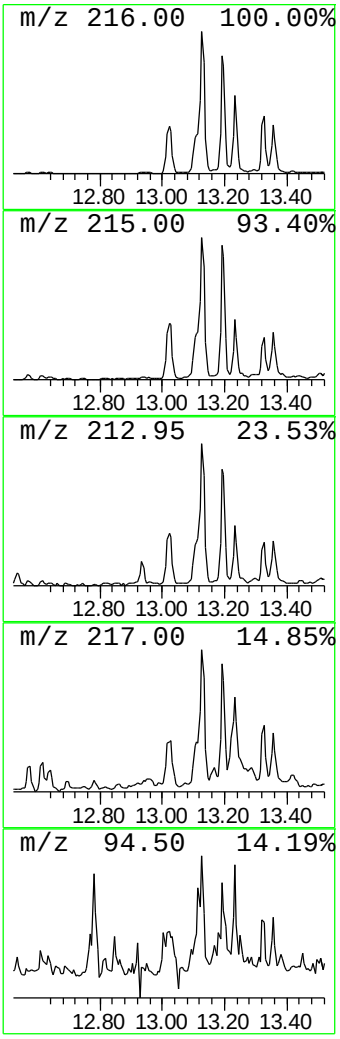
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.73 ng	282278	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





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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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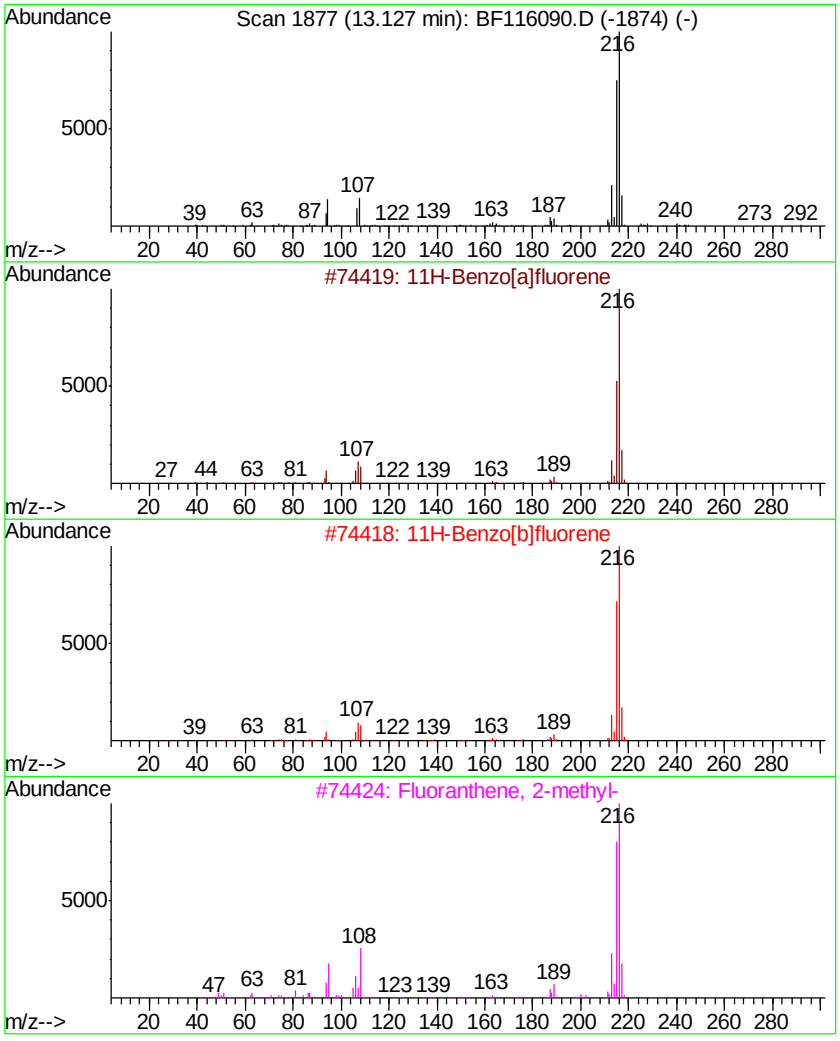
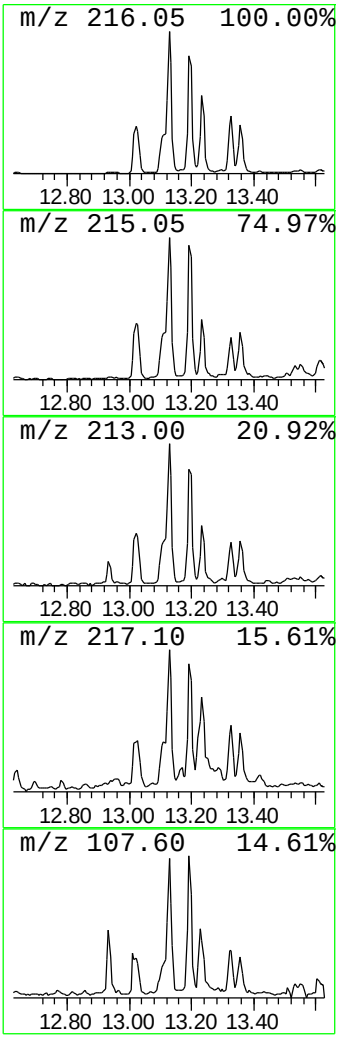
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.69 ng	381791	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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

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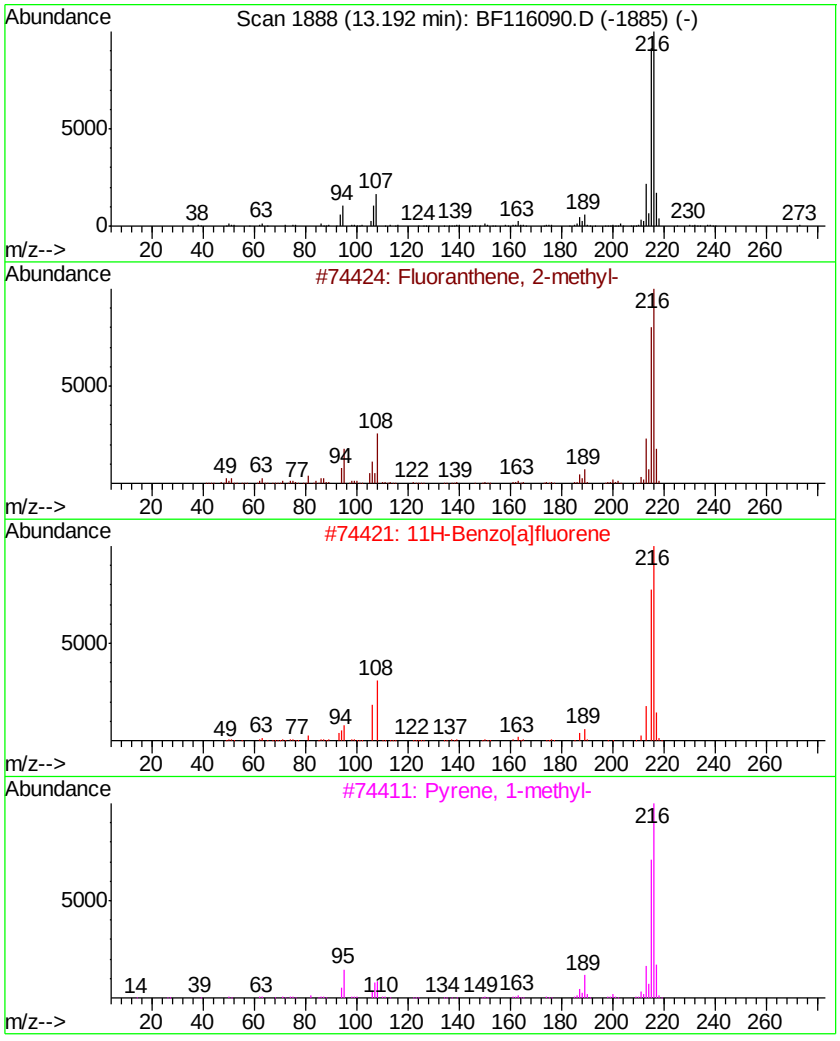
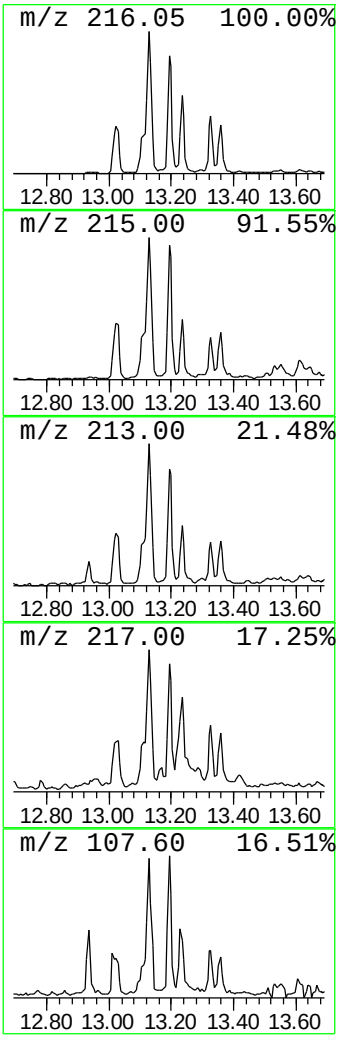
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.73 ng	282436	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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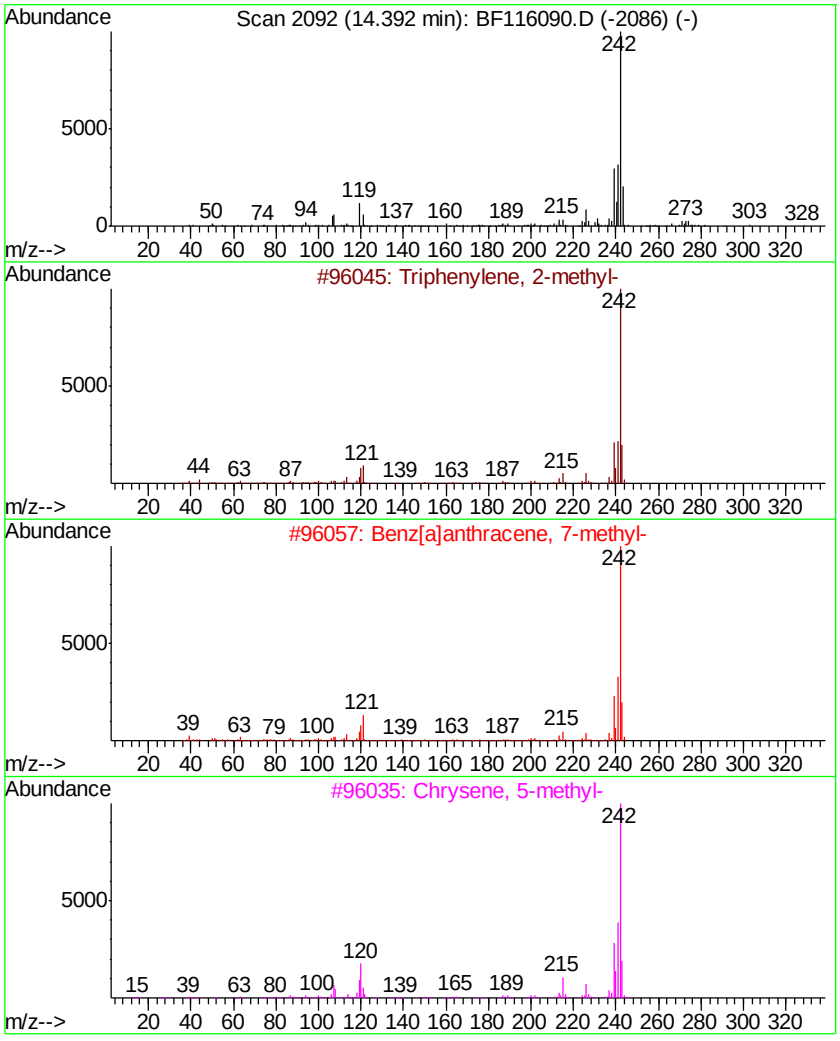
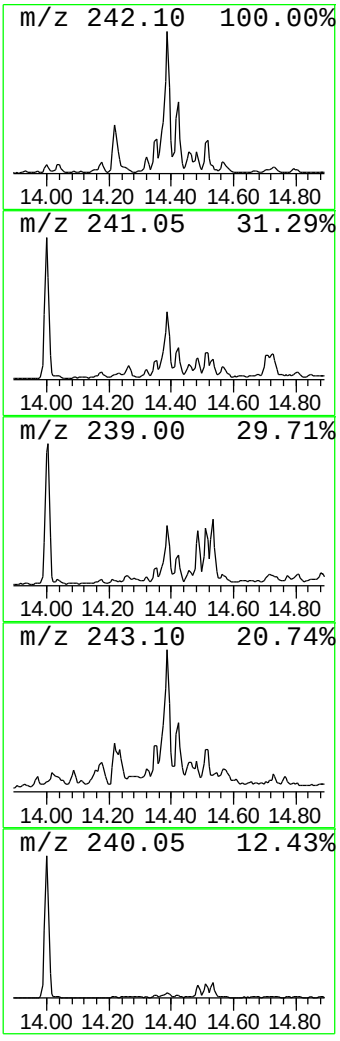
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	3.00 ng	310712	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	2-Methylchrysene	242	C19H14	003351-32-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116090.D
Acq On : 9 Aug 2019 1:38
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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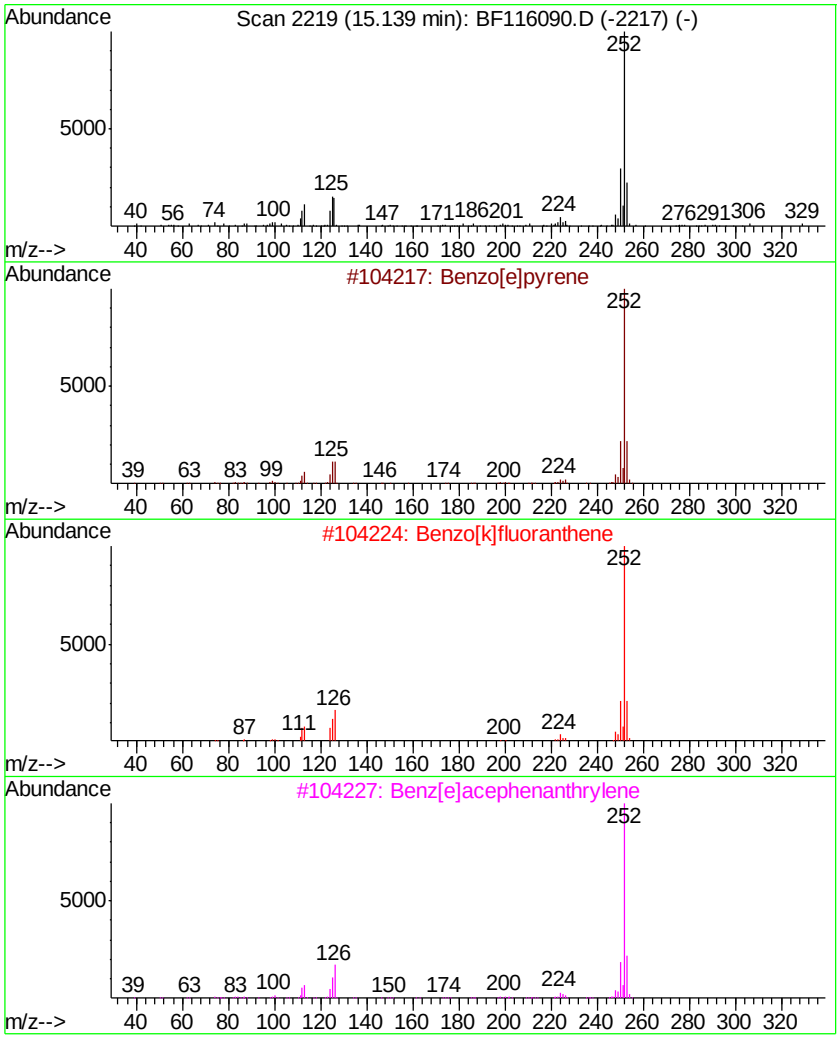
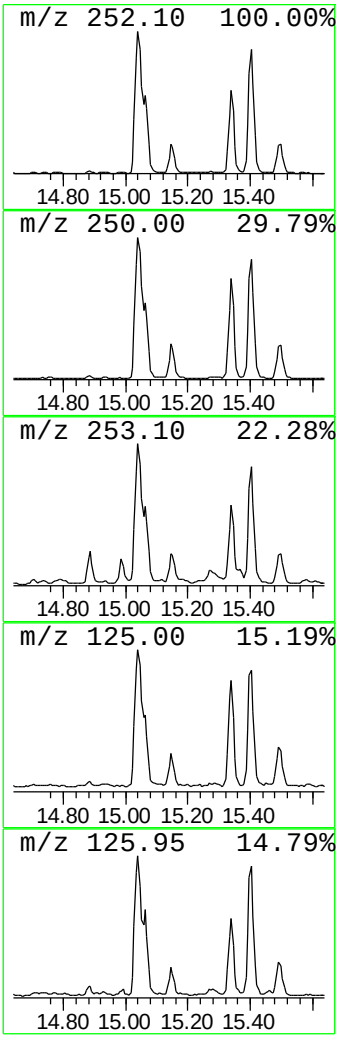
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	4.34 ng	170596	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080819\
Data File : BF116090.D
Acq On : 9 Aug 2019 1:38
Operator : HP/JU
Sample : K4095-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.61	6.61	19.7	ng	612352	1	6.83	620692	20.0
Heptadecane	10.77	4.0	ng	223954	4	11.36	1123920	20.0
9H-Fluorene, 2-me...	10.97	3.0	ng	167412	4	11.36	1123920	20.0
Pentadecane	11.22	3.4	ng	191085	4	11.36	1123920	20.0
Naphtho[2,3-b]thi...	11.25	4.3	ng	240214	4	11.36	1123920	20.0
Tetradecane	11.65	3.3	ng	185011	4	11.36	1123920	20.0
Hexadecanoic acid...	11.75	14.0	ng	784337	4	11.36	1123920	20.0
Phenanthrene, 2-m...	11.86	5.1	ng	287788	4	11.36	1123920	20.0
Phenanthrene, 1-m...	11.89	6.4	ng	358994	4	11.36	1123920	20.0
4H-Cyclopenta[def...	11.97	11.0	ng	618609	4	11.36	1123920	20.0
Naphthalene, 2-ph...	12.15	3.2	ng	182082	4	11.36	1123920	20.0
9,12-Octadecadien...	12.43	34.3	ng	1925940	4	11.36	1123920	20.0
10-Octadecenoic a...	12.45	48.8	ng	2739450	4	11.36	1123920	20.0
Pyrene, 1-methyl-	13.02	2.7	ng	282278	5	14.00	2069100	20.0
11H-Benzo[a]fluorene	13.13	3.7	ng	381791	5	14.00	2069100	20.0
Fluoranthene, 2-m...	13.19	2.7	ng	282436	5	14.00	2069100	20.0
Triphenylene, 2-m...	14.39	3.0	ng	310712	5	14.00	2069100	20.0
Benzo[e]pyrene	15.14	4.3	ng	170596	6	15.46	786028	20.0