LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112466.D
Acq On : 8 Feb 2019 18:15
Operator : JU/SJ
Sample : K1349-03 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-020719-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-BF012519.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	5.481	574	577	591	rBV	46291	84309	2.55%	0.458%
2	6.504	747	751	765	rBV	44190	103734	3.13%	0.563%
3	6.616	767	770	776	rBV	97957	111816	3.38%	0.607%
4	6.834	803	807	822	rBV	712124	688119	20.79%	3.736%
5	6.987	829	833	844	rBV	102762	113667	3.43%	0.617%
6	7.404	900	904	906	rBV	45665	54301	1.64%	0.295%
7	8.116	1017	1025	1031	rBV	973958	949507	28.69%	5.155%
8	8.704	1121	1125	1128	rBV	51200	48184	1.46%	0.262%
9	8.934	1159	1164	1171	rBV2	43780	62752	1.90%	0.341%
10	9.186	1204	1207	1212	rBV	166527	153327	4.63%	0.832%
11	9.269	1216	1221	1224	rBV	63149	60194	1.82%	0.327%
12	9.457	1249	1253	1258	rBV	40933	57103	1.73%	0.310%
13	9.528	1262	1265	1268	rBV	65494	71867	2.17%	0.390%
14	9.645	1282	1285	1294	rVB3	43570	61756	1.87%	0.335%
15	9.733	1297	1300	1304	rBV	40877	41732	1.26%	0.227%
16	9.798	1304	1311	1315	rBV	65393	69473	2.10%	0.377%
17	9.869	1315	1323	1327	rBV2	1114368	1067527	32.26%	5.796%
18	9.904	1327	1329	1332	rVB	61806	55486	1.68%	0.301%
19	9.975	1337	1341	1345	rBV2	25135	34297	1.04%	0.186%
20	10.075	1352	1358	1362	rVB3	44324	56203	1.70%	0.305%
21	10.116	1362	1365	1368	rVB3	45786	44326	1.34%	0.241%
22	10.186	1374	1377	1380	rBV	39036	41074	1.24%	0.223%
23	10.292	1389	1395	1399	rBV2	87618	112970	3.41%	0.613%
24	10.422	1410	1417	1422	rBV2	80476	110182	3.33%	0.598%
25	10.669	1455	1459	1462	rBV2	62232	70923	2.14%	0.385%
26	10.763	1473	1475	1484	rBV2	69294	107186	3.24%	0.582%
27	10.969	1505	1510	1513	rBV3	43364	64176	1.94%	0.348%
28	11.098	1527	1532	1534	rBV4	18062	35753	1.08%	0.194%
29	11.216	1548	1552	1554	rBV2	64530	63384	1.92%	0.344%
30	11.257	1554	1559	1564	rVB3	47258	69282	2.09%	0.376%
31	11.357	1572	1576	1578	rBV	1079715	944742	28.55%	5.129%
32	11.380	1578	1580	1585	rVV	495793	445959	13.48%	2.421%
33	11.433	1587	1589	1592	rVV	95095	96873	2.93%	0.526%
34	11.475	1592	1596	1601	rVB3	19790	41007	1.24%	0.223%

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Misc :
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Instrument : BNA_F
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Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.598	1613	1617	1622	rBV2	33466	50657	1.53%	0.275%
36	11.639	1622	1624	1627	rVV2	60662	58990	1.78%	0.320%
37	11.692	1630	1633	1637	rVB	35302	42965	1.30%	0.233%
38	11.739	1637	1641	1644	rBV	1113348	862811	26.07%	4.684%
39	11.863	1658	1662	1664	rBV	120883	121107	3.66%	0.657%
40	11.892	1664	1667	1672	rVB	148433	148887	4.50%	0.808%
41	11.939	1672	1675	1677	rBV	56553	54094	1.63%	0.294%
42	11.975	1677	1681	1683	rVV2	173166	193813	5.86%	1.052%
43	11.998	1683	1685	1690	rVB	96517	84781	2.56%	0.460%
44	12.045	1690	1693	1699	rBV2	45279	52770	1.59%	0.286%
45	12.151	1707	1711	1716	rBV2	60975	67955	2.05%	0.369%
46	12.427	1752	1758	1760	rBV	3491402	3309267	100.00%	17.966%
47	12.451	1760	1762	1767	rVV	2500306	2228030	67.33%	12.096%
48	12.504	1767	1771	1773	rVV3	42950	69397	2.10%	0.377%
49	12.533	1773	1776	1779	rVB	388495	357183	10.79%	1.939%
50	12.574	1779	1783	1787	rBV	512294	461718	13.95%	2.507%
51	12.727	1806	1809	1811	rBV3	37513	34889	1.05%	0.189%
52	12.804	1817	1822	1828	rVB	513268	533117	16.11%	2.894%
53	12.857	1828	1831	1835	rVB2	41611	48282	1.46%	0.262%
54	12.939	1839	1845	1847	rVV2	154484	166328	5.03%	0.903%
55	12.963	1847	1849	1854	rVB4	29699	35765	1.08%	0.194%
56	13.027	1855	1860	1865	rBV3	46270	99608	3.01%	0.541%
57	13.133	1875	1878	1881	rVB	87579	84881	2.56%	0.461%
58	13.180	1881	1886	1887	rBV3	23491	33878	1.02%	0.184%
59	13.198	1887	1889	1892	rVB	65780	53905	1.63%	0.293%
60	13.239	1892	1896	1898	rBV2	71273	91931	2.78%	0.499%
61	13.333	1908	1912	1914	rBV	57106	64873	1.96%	0.352%
62	13.363	1914	1917	1920	rVV	62774	57911	1.75%	0.314%
63	13.651	1963	1966	1969	rVB2	38395	38865	1.17%	0.211%
64	13.757	1979	1984	1986	rBV2	54067	74393	2.25%	0.404%
65	13.857	1999	2001	2008	rVB2	35219	51232	1.55%	0.278%
66	13.921	2010	2012	2015	rBV2	48010	42736	1.29%	0.232%
67	14.004	2021	2026	2029	rBV2	868953	977169	29.53%	5.305%
68	14.027	2029	2030	2037	rVB	188603	147002	4.44%	0.798%
69	14.392	2090	2092	2095	rVB	63174	48716	1.47%	0.264%
70	15.051	2200	2204	2207	rBV	135750	207815	6.28%	1.128%
71	15.351	2252	2255	2261	rVB	93559	110770	3.35%	0.601%

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72	15.415	2263	2266	2270	rVB	139435	152957	4.62%	0.830%
73	15.474	2271	2276	2281	rBV	584884	792822	23.96%	4.304%
74	16.968	2526	2530	2536	rVB3	63792	112191	3.39%	0.609%

Sum of corrected areas: 18419652

LSC Report - Integrated Chromatogram

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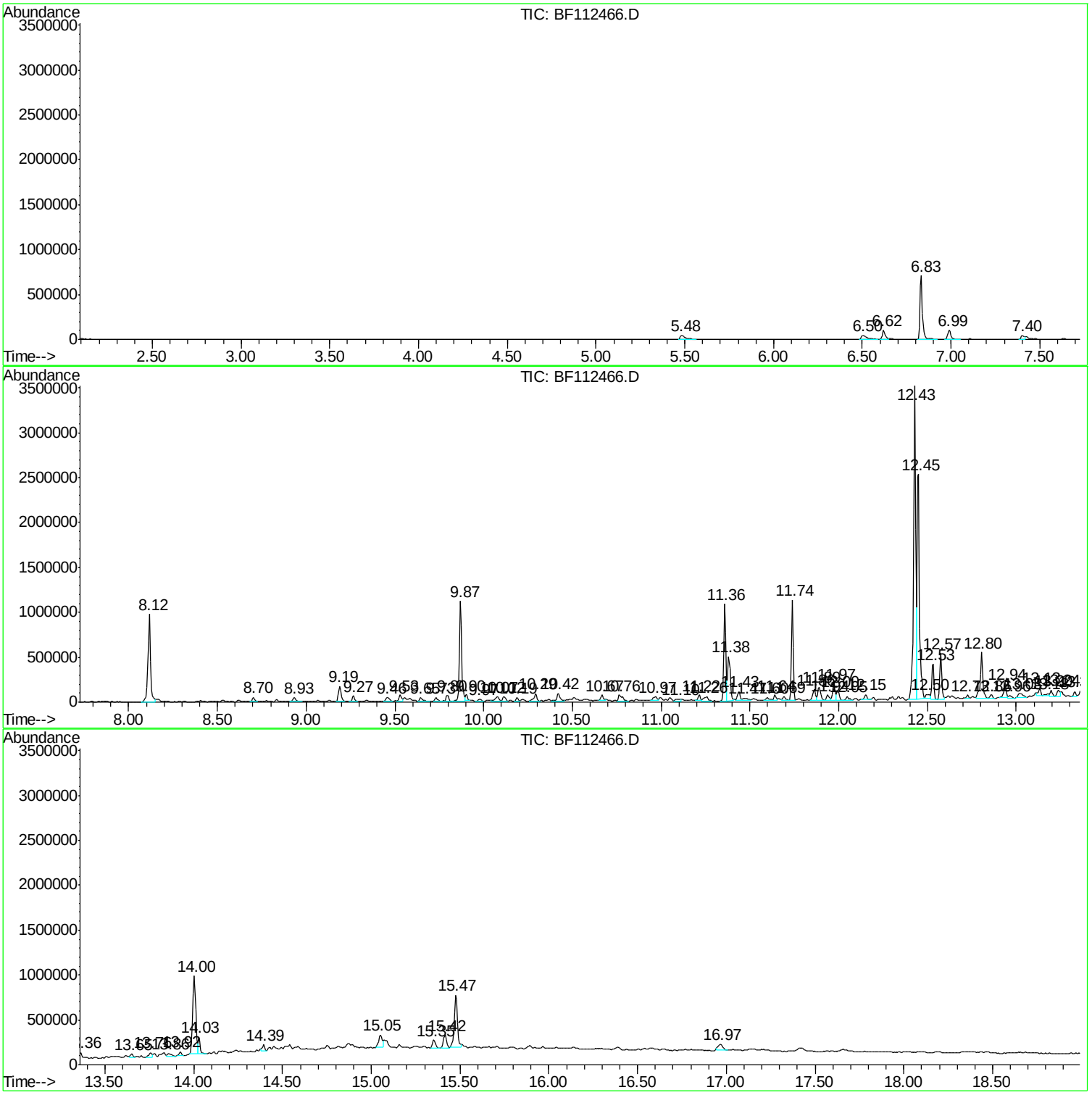
Sample : K1349-03 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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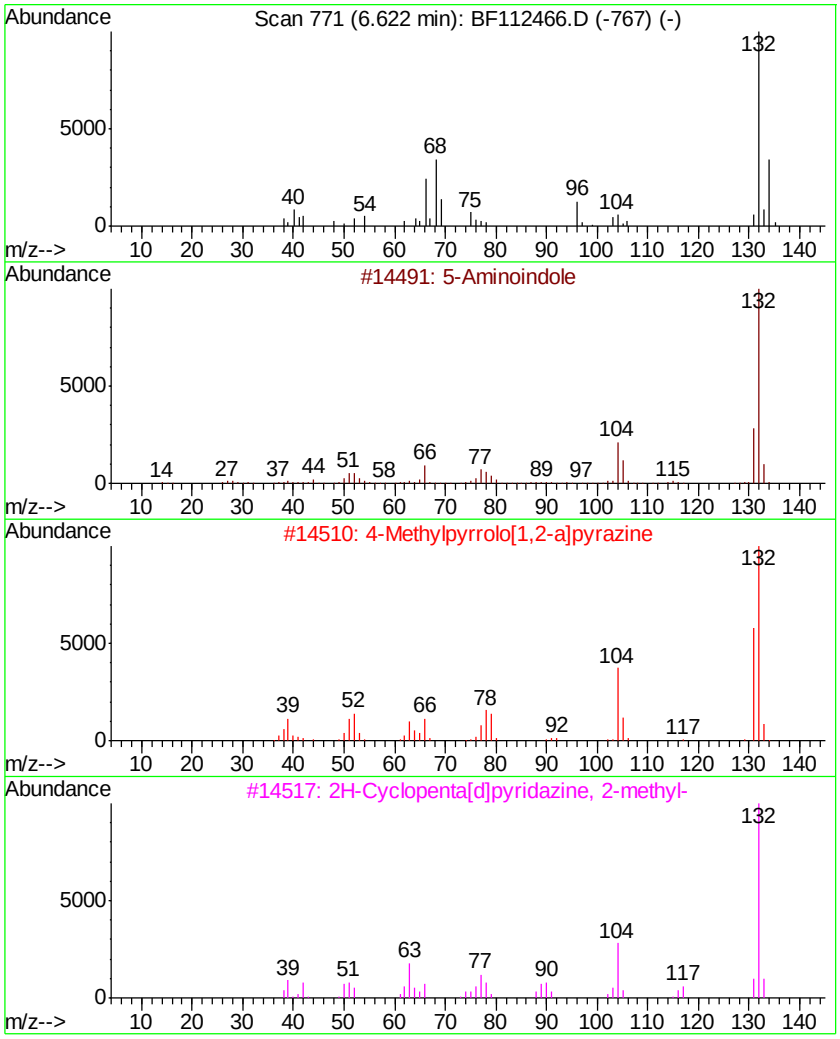
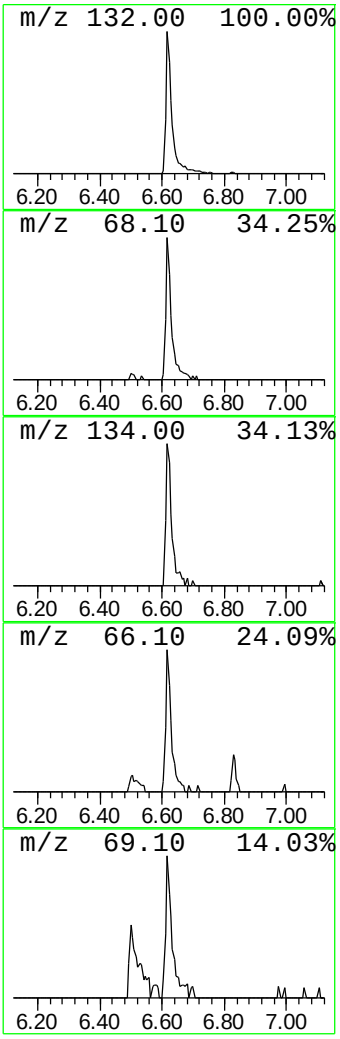
Peak Number 1 unknown6.62 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	3.25 ng	111816	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
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Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

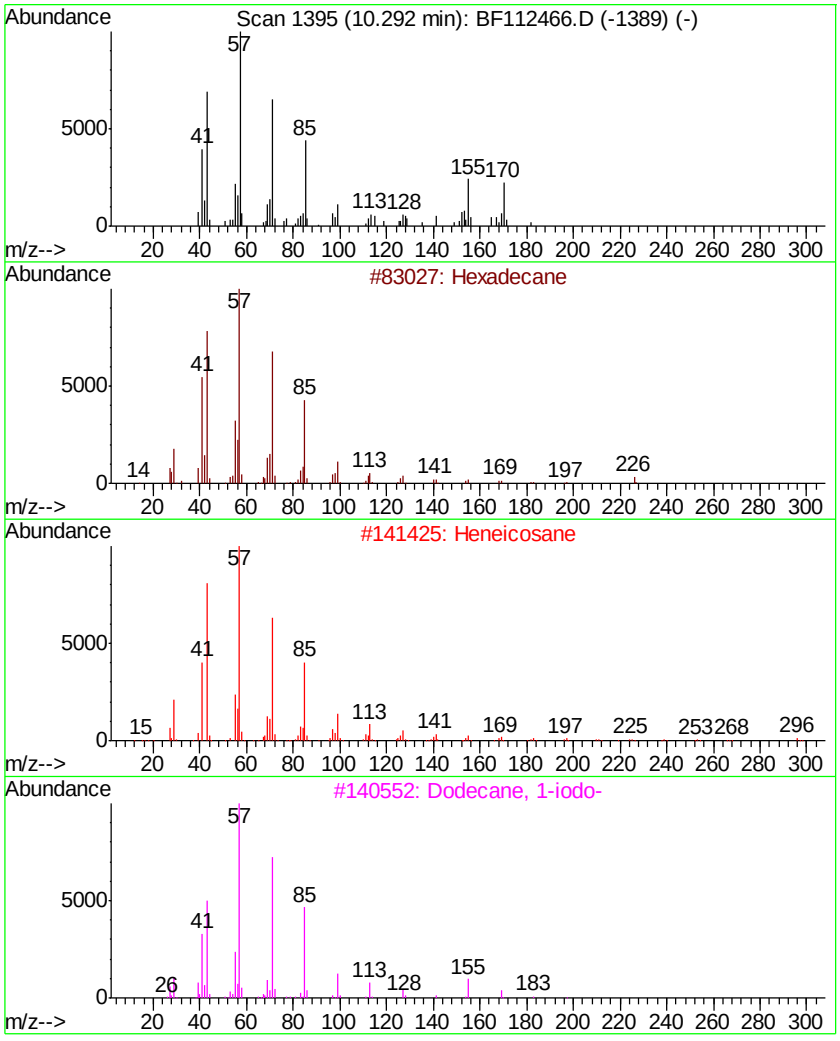
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

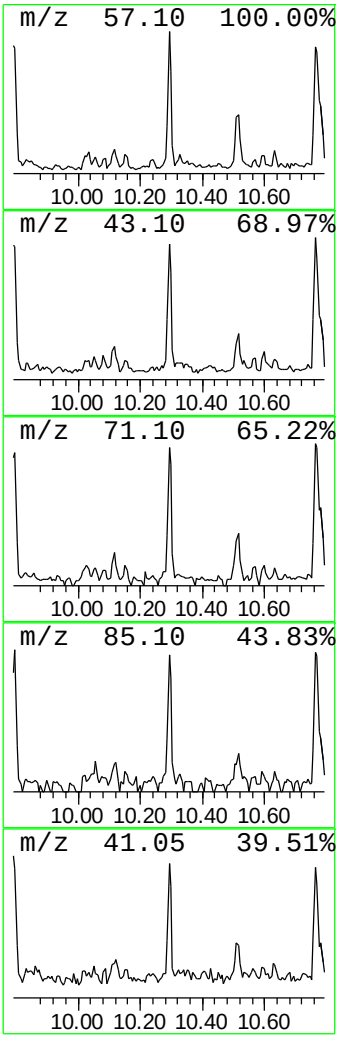
****

Peak Number 3 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	2.12 ng	112970	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Heneicosane	296	C21H44	000629-94-7	58
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58
4	Tetracosane	338	C24H50	000646-31-1	58
5	Tritetracontane	605	C43H88	007098-21-7	52





Library Search Compound Report

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Sample : K1349-03 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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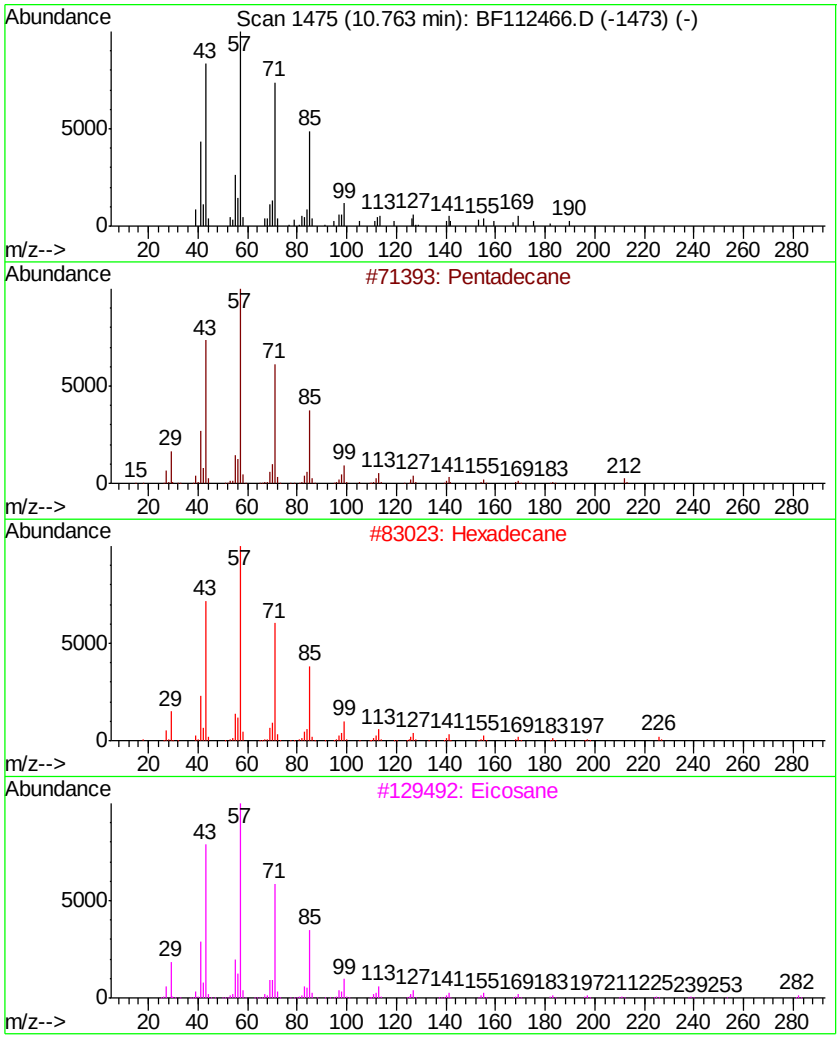
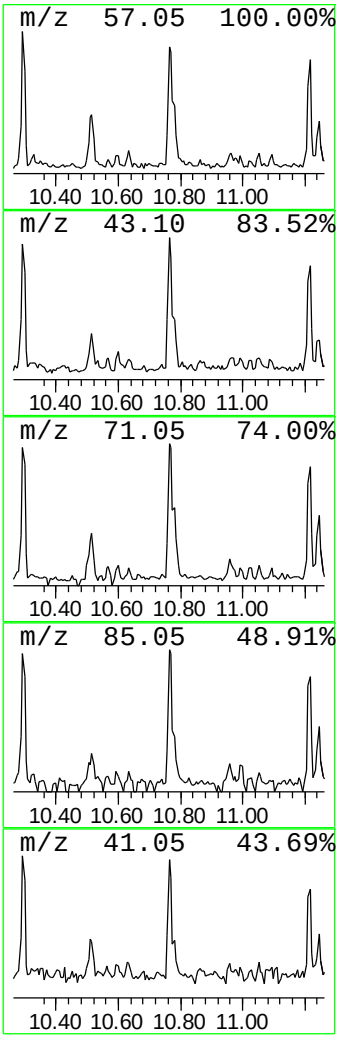
Peak Number 5 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	2.27 ng	107186	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Octadecane	254	C18H38	000593-45-3	90
5	Tetradecane	198	C14H30	000629-59-4	87





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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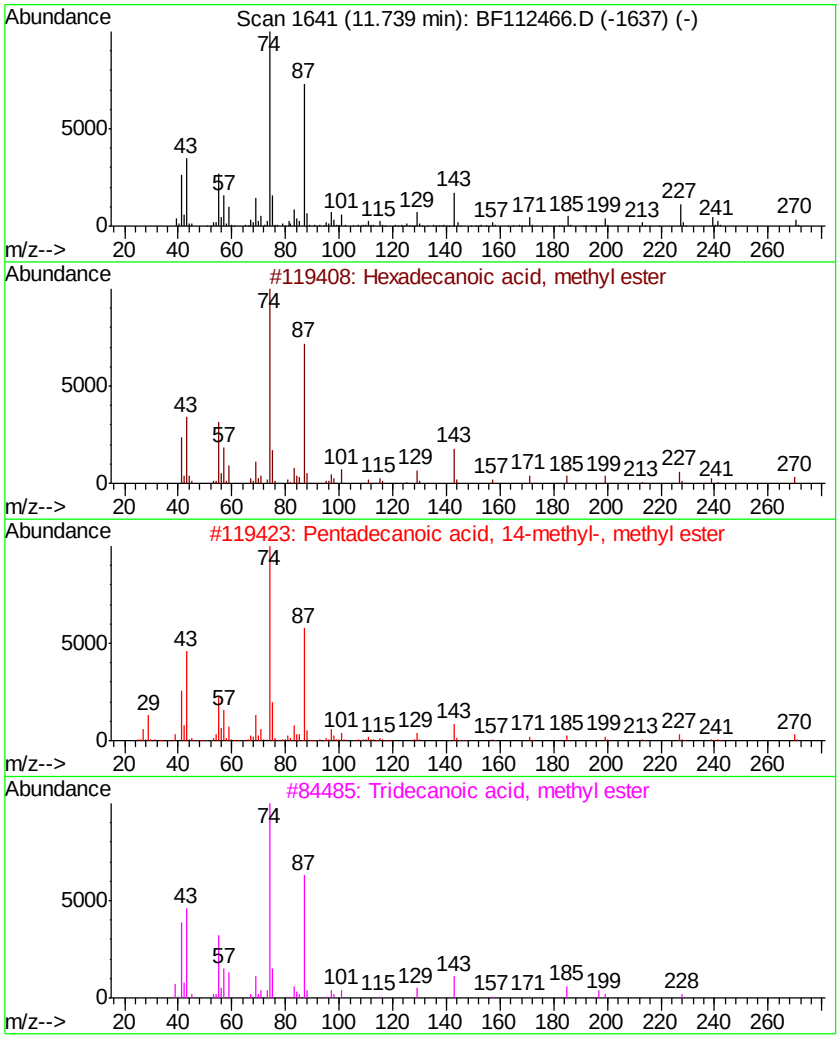
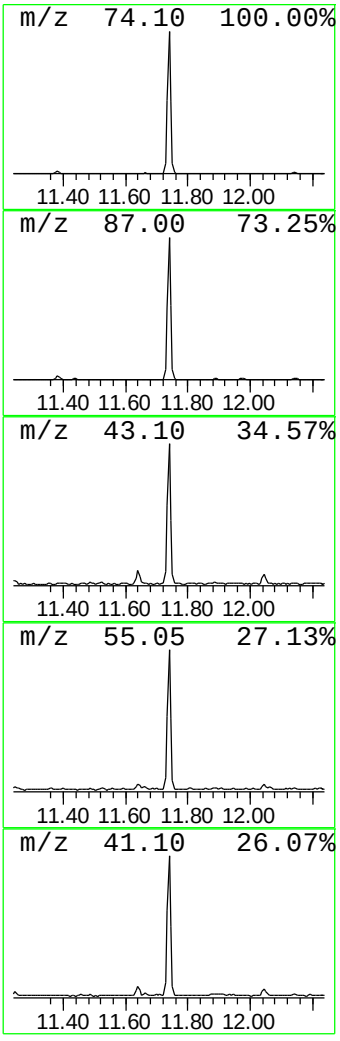
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	18.27 ng	862811	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	92
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





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TIC Library : C:\DATABASE\NIST11.L
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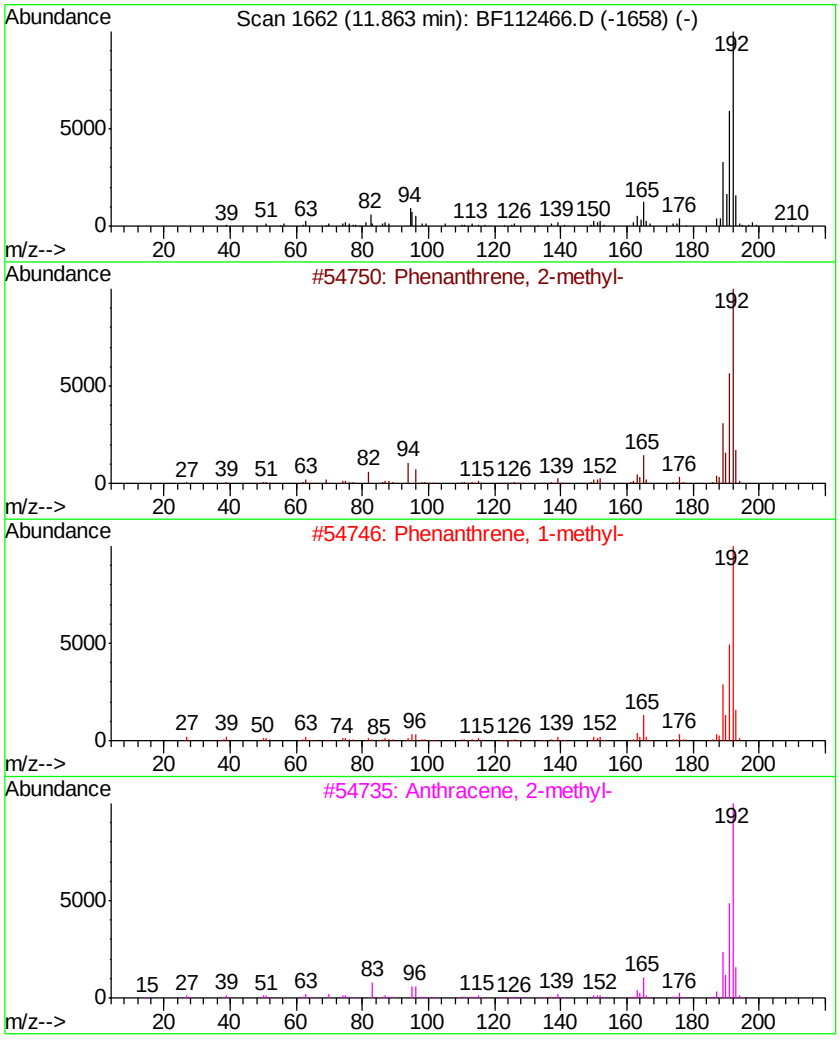
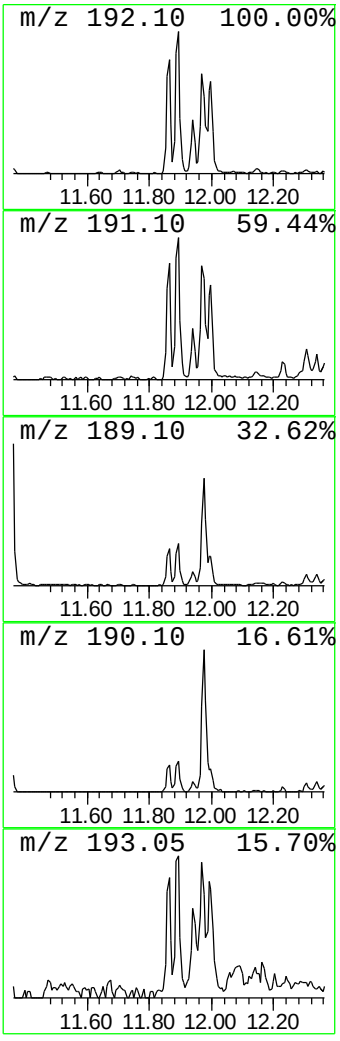
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.56 ng	121107	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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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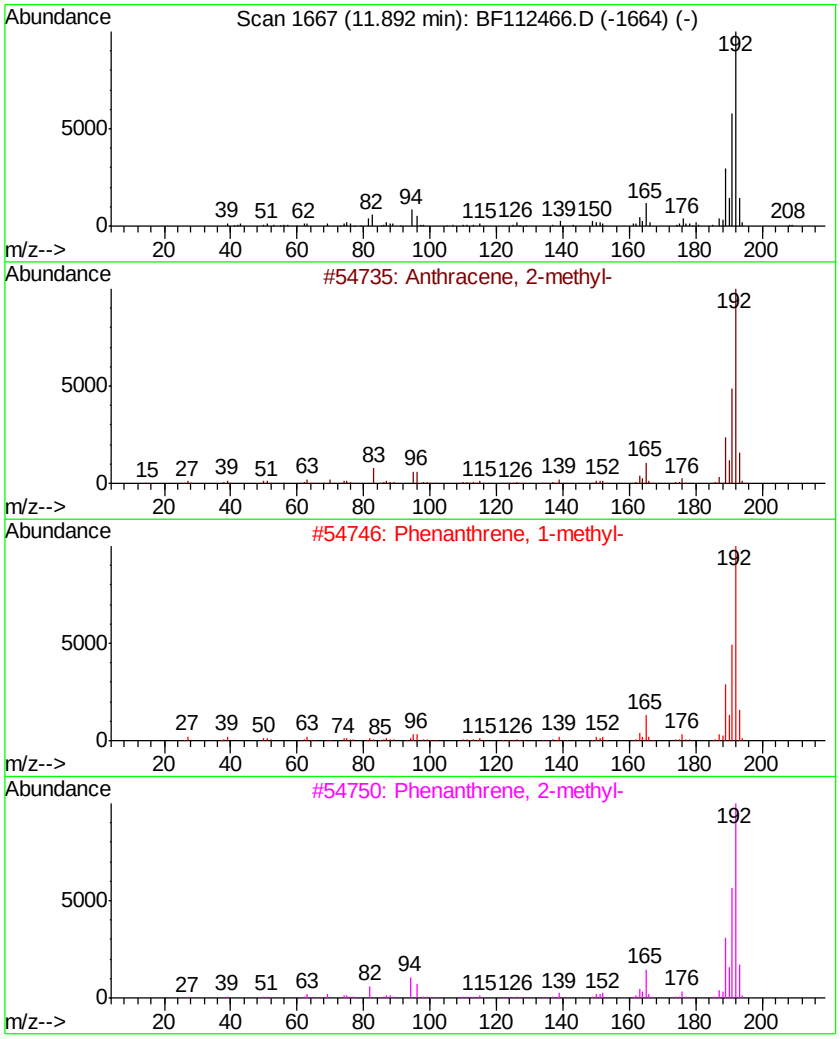
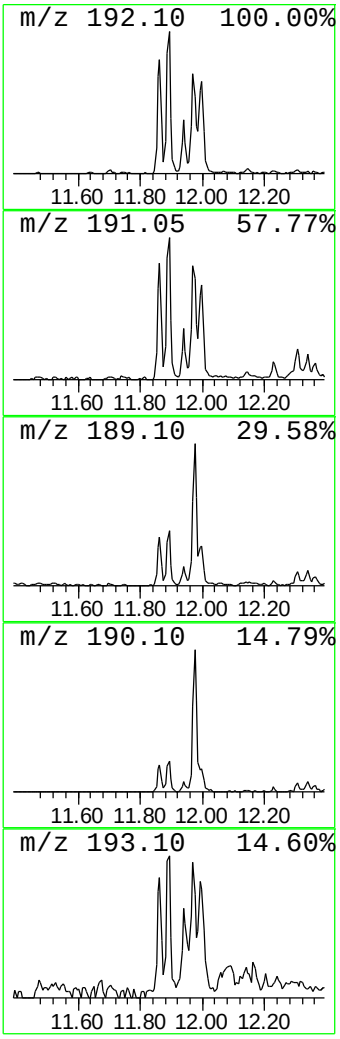
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.15 ng	148887	Phenanthrene-d10	11.36

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	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

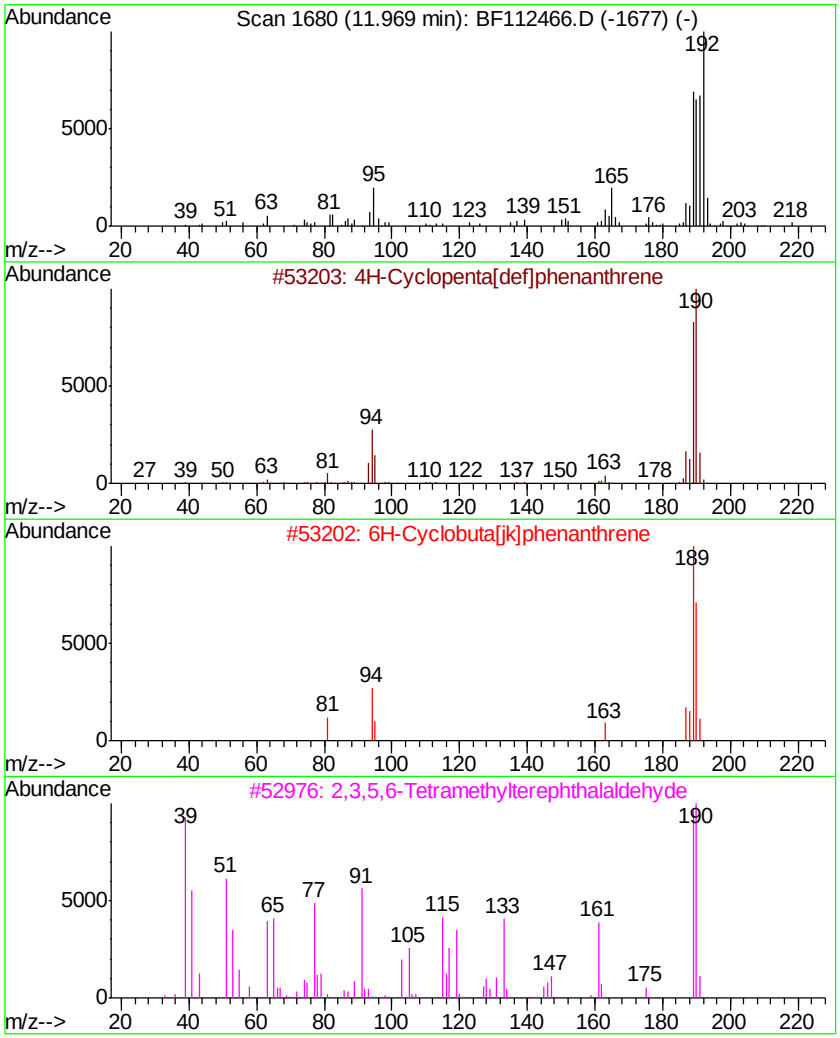
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

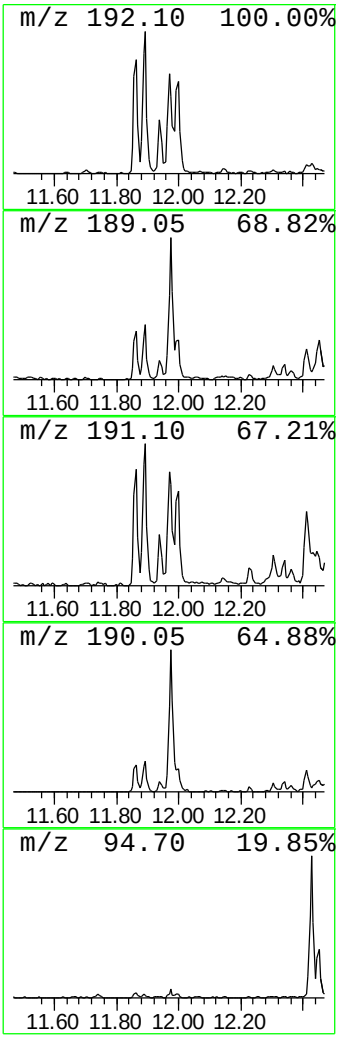
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	4.10 ng	193813	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112466.D
Acq On : 8 Feb 2019 18:15
Operator : JU/SJ
Sample : K1349-03 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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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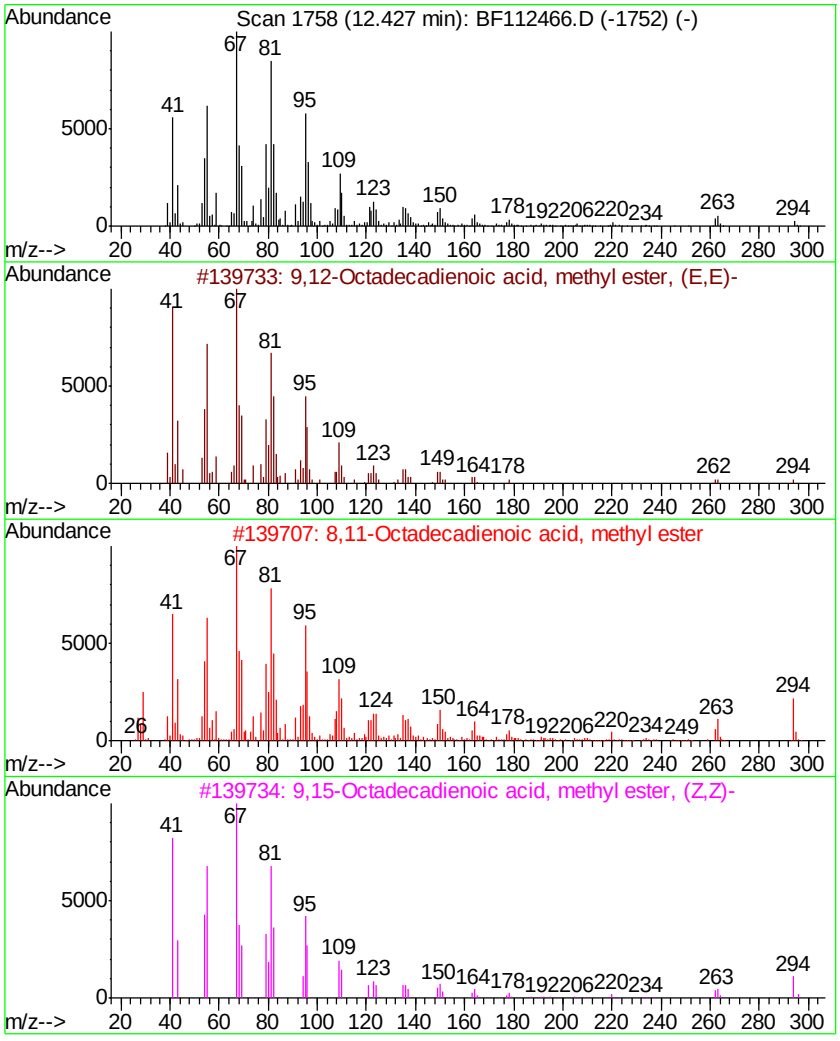
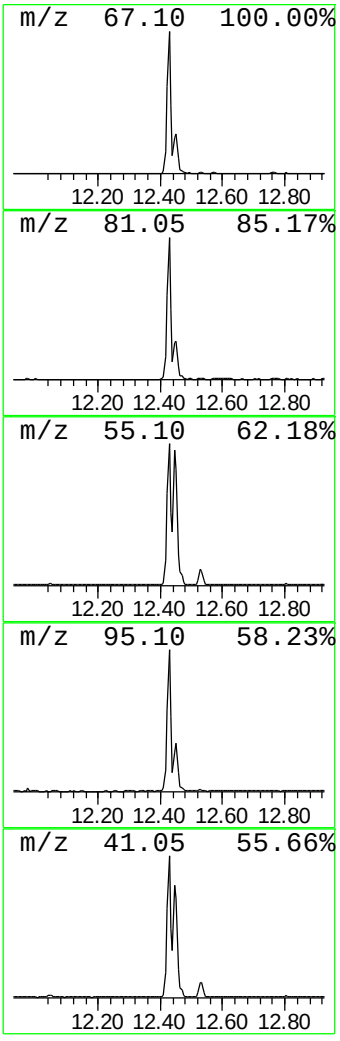
Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	70.06 ng	3309270	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	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
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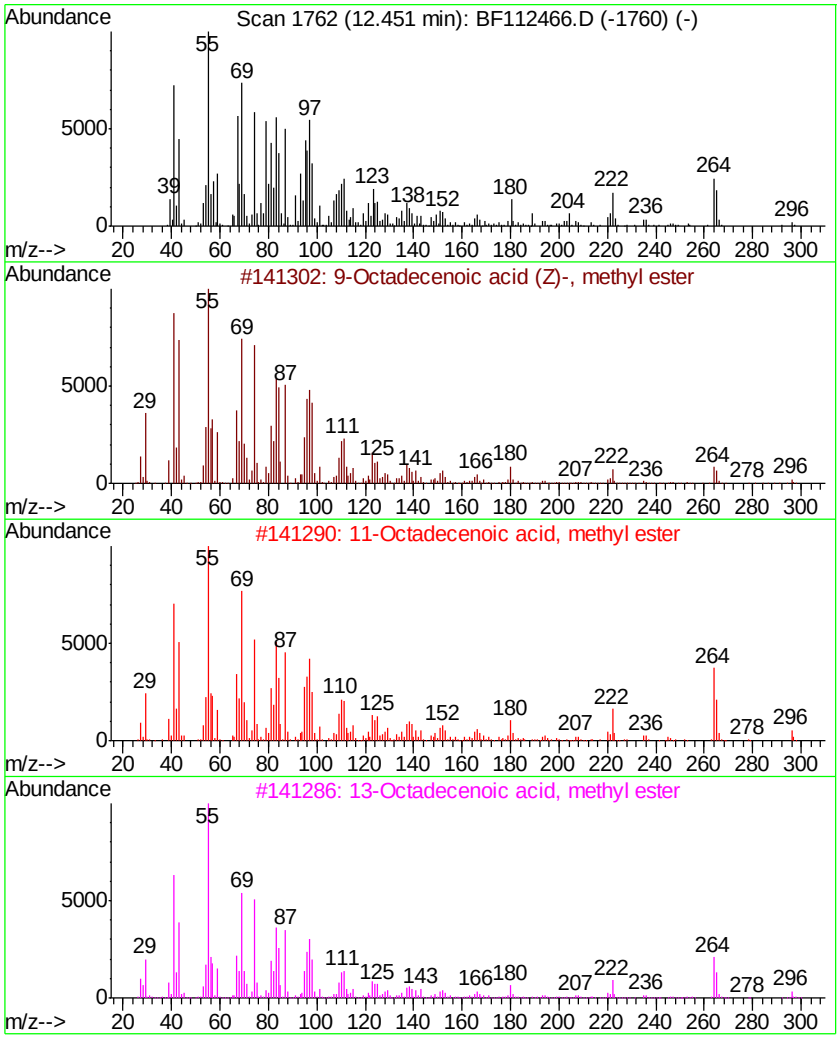
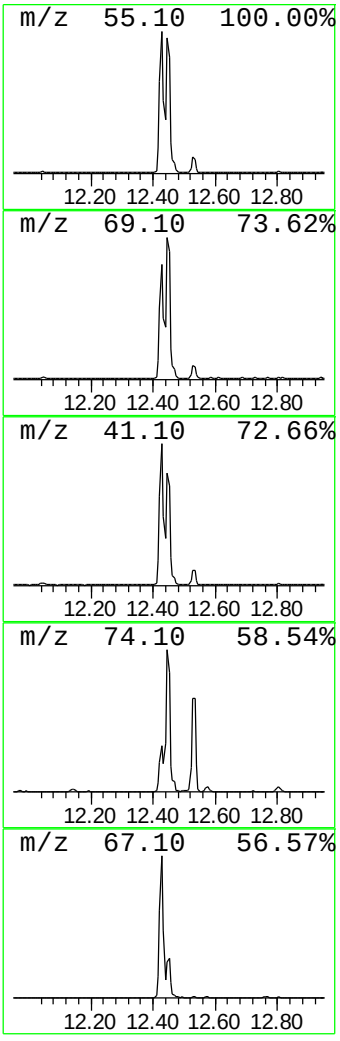
Peak Number 11 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	47.17 ng	2228030	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	97
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	97
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	97





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
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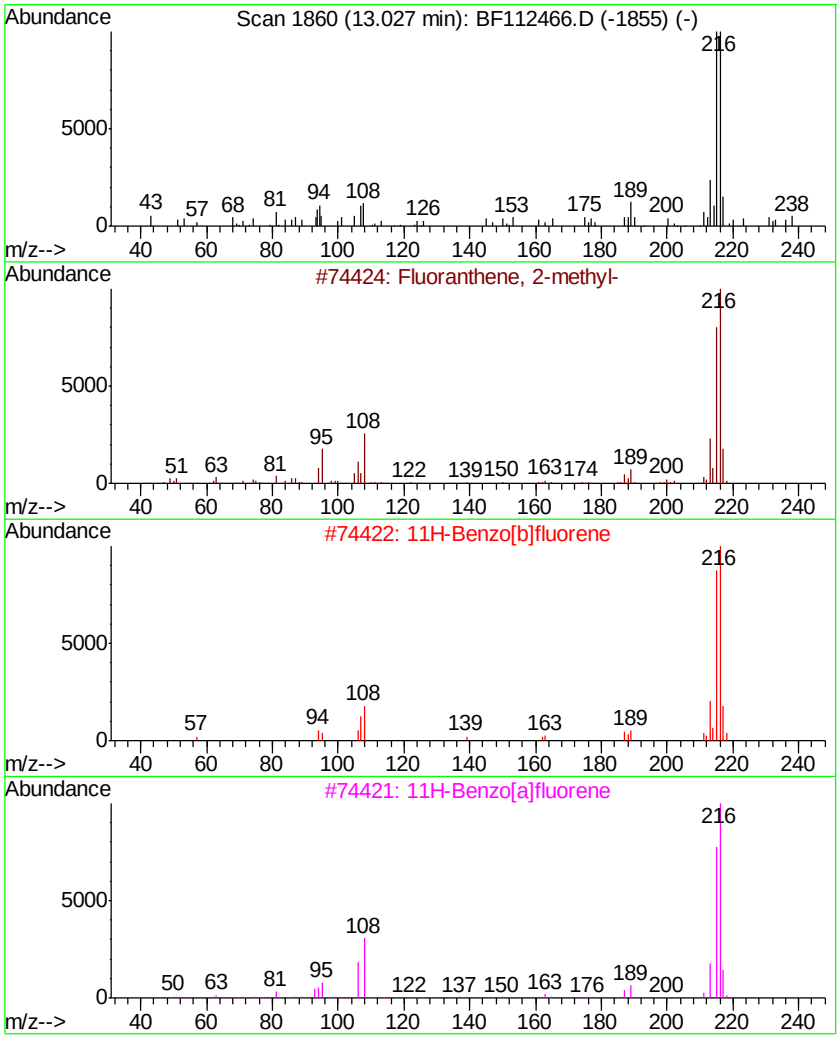
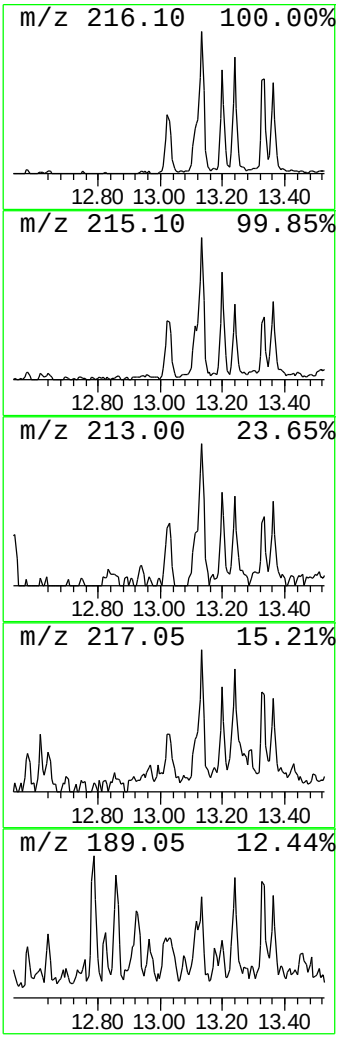
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.04 ng	99608	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Instrument : BNA_F
ClientSampleId : OR-03-020719-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
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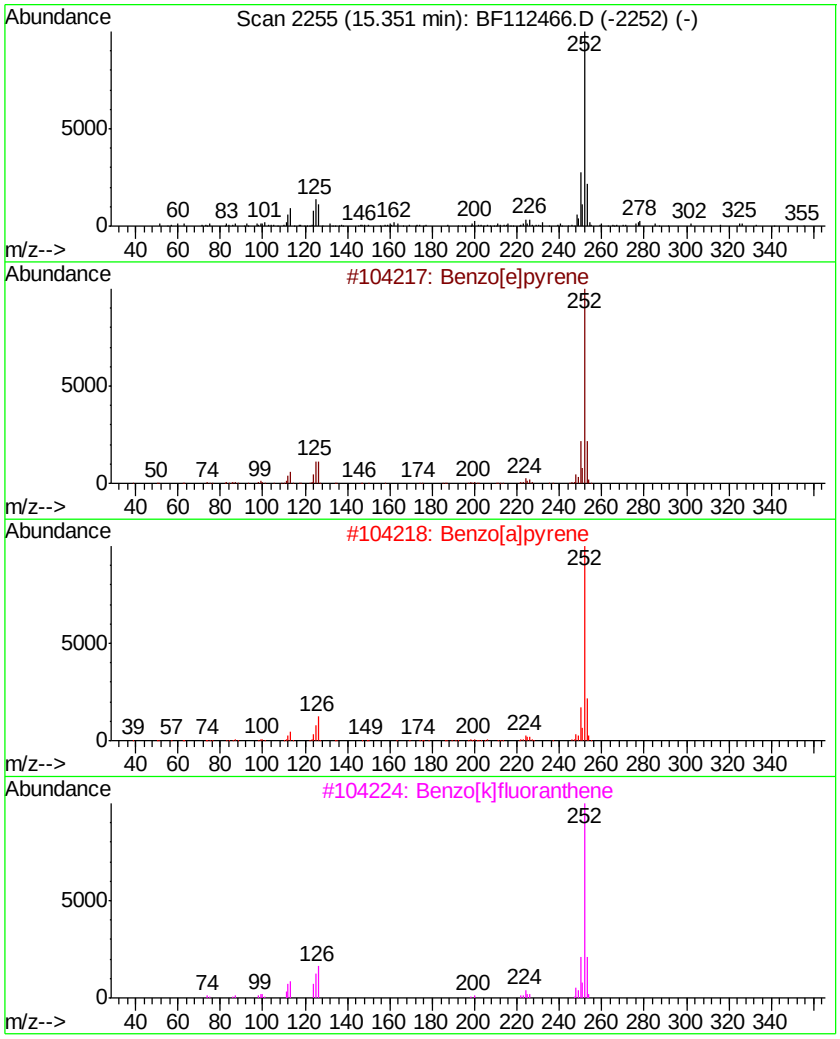
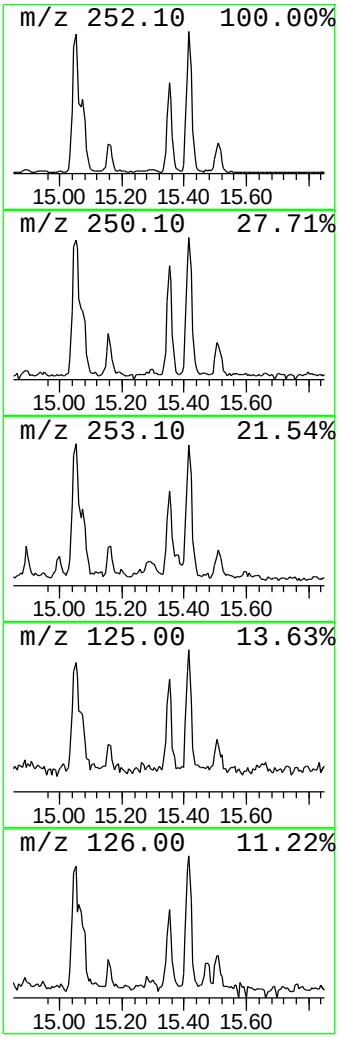
Peak Number 13 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	2.79 ng	110770	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.62	6.62	3.3	ng	111816	1	6.83	688119	20.0
Hexadecane	10.29	2.1	ng	112970	3	9.87	1067530	20.0
Pentadecane	10.76	2.3	ng	107186	4	11.36	944742	20.0
Hexadecanoic acid...	11.74	18.3	ng	862811	4	11.36	944742	20.0
Phenanthrene, 2-m...	11.86	2.6	ng	121107	4	11.36	944742	20.0
Anthracene, 2-met...	11.89	3.1	ng	148887	4	11.36	944742	20.0
4H-Cyclopenta[def...	11.97	4.1	ng	193813	4	11.36	944742	20.0
9,12-Octadecadien...	12.43	70.1	ng	3309270	4	11.36	944742	20.0
9-Octadecenoic ac...	12.45	47.2	ng	2228030	4	11.36	944742	20.0
Fluoranthene, 2-m...	13.03	2.0	ng	99608	5	14.00	977169	20.0
Benzo[e]pyrene	15.35	2.8	ng	110770	6	15.47	792822	20.0