LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

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-BF040319.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	5.287	541	544	576	rBV	1821773	2412422	94.02%	5.325%
2	6.328	718	721	737	rBV	2035173	2526983	98.49%	5.578%
3	6.445	737	741	751	rVB	2596460	2518104	98.14%	5.559%
4	6.669	776	779	790	rBV	756882	667302	26.01%	1.473%
5	6.828	802	806	822	rBV	1901606	1867464	72.78%	4.122%
6	7.239	872	876	904	rBV	1470761	1601540	62.42%	3.535%
7	7.951	994	997	1000	rBV	845379	817924	31.88%	1.806%
8	9.027	1176	1180	1192	rBV	2639682	2312521	90.13%	5.105%
9	9.427	1245	1248	1256	rVB	308409	284828	11.10%	0.629%
10	9.704	1291	1295	1299	rBV	1081786	985175	38.40%	2.175%
11	9.733	1299	1300	1307	rVB	49485	46257	1.80%	0.102%
12	9.916	1326	1331	1336	rBV	56652	83988	3.27%	0.185%
13	10.251	1385	1388	1395	rVB2	50841	54572	2.13%	0.120%
14	10.410	1412	1415	1418	rVB	28936	28139	1.10%	0.062%
15	10.498	1426	1430	1442	rBV	1746559	1805972	70.39%	3.987%
16	10.610	1446	1449	1457	rVB3	53861	85082	3.32%	0.188%
17	10.951	1505	1507	1513	rVB2	29039	29291	1.14%	0.065%
18	11.004	1513	1516	1519	rBV	49832	50688	1.98%	0.112%
19	11.039	1519	1522	1523	rVV2	34589	32888	1.28%	0.073%
20	11.086	1527	1530	1536	rVB	82409	87322	3.40%	0.193%
21	11.186	1543	1547	1549	rBV	1150016	1011965	39.44%	2.234%
22	11.210	1549	1551	1556	rVV	1279092	1054833	41.11%	2.329%
23	11.263	1557	1560	1564	rVB	271890	245049	9.55%	0.541%
24	11.433	1585	1589	1594	rBV2	77103	115948	4.52%	0.256%
25	11.480	1594	1597	1599	rBV	60233	48122	1.88%	0.106%
26	11.686	1629	1632	1635	rBV	179813	165143	6.44%	0.365%
27	11.721	1635	1638	1643	rVV2	442673	548915	21.39%	1.212%
28	11.763	1643	1645	1648	rVV	108530	126018	4.91%	0.278%
29	11.798	1648	1651	1654	rVV	303731	340529	13.27%	0.752%
30	11.821	1654	1655	1660	rVB	144667	106200	4.14%	0.234%
31	11.886	1664	1666	1670	rBV3	40176	47474	1.85%	0.105%
32	11.980	1680	1682	1685	rBV	139901	120533	4.70%	0.266%
33	12.163	1711	1713	1715	rBV	51873	40683	1.59%	0.090%
34	12.239	1723	1726	1728	rBV	138928	143873	5.61%	0.318%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.274	1730	1732	1734	rVB2	121867	98520	3.84%	0.217%
36	12.404	1750	1754	1757	rBV	2408476	2234188	87.07%	4.932%
37	12.439	1757	1760	1763	rVB3	46489	69837	2.72%	0.154%
38	12.510	1769	1772	1776	rBV4	116597	147444	5.75%	0.325%
39	12.551	1776	1779	1782	rVV	123525	133739	5.21%	0.295%
40	12.627	1786	1792	1798	rVV2	2108692	2560862	99.81%	5.653%
41	12.680	1798	1801	1805	rVB2	122198	150176	5.85%	0.332%
42	12.768	1811	1816	1819	rBV	2005405	1739961	67.81%	3.841%
43	12.851	1825	1830	1833	rBV2	169539	288653	11.25%	0.637%
44	12.957	1841	1848	1852	rBV2	425372	618460	24.10%	1.365%
45	13.004	1853	1856	1857	rBV2	101489	100301	3.91%	0.221%
46	13.021	1857	1859	1862	rVV	284332	219276	8.55%	0.484%
47	13.062	1862	1866	1872	rVV3	250375	367649	14.33%	0.812%
48	13.151	1879	1881	1884	rBV	136630	149650	5.83%	0.330%
49	13.180	1884	1886	1896	rVB5	166765	304289	11.86%	0.672%
50	13.474	1934	1936	1939	rVB	183874	142079	5.54%	0.314%
51	13.580	1951	1954	1955	rBV	219223	218734	8.52%	0.483%
52	13.627	1960	1962	1964	rBV	213372	198550	7.74%	0.438%
53	13.821	1991	1995	1999	rBV2	1678532	2565837	100.00%	5.664%
54	13.857	1999	2001	2004	rVB	1402496	1090794	42.51%	2.408%
55	13.933	2012	2014	2017	rVB	295672	223589	8.71%	0.494%
56	14.215	2060	2062	2065	rVB	315562	246594	9.61%	0.544%
57	14.704	2142	2145	2148	rVB2	218643	221475	8.63%	0.489%
58	14.851	2166	2170	2173	rBV	1505785	2269714	88.46%	5.010%
59	14.951	2184	2187	2191	rBV	351168	384138	14.97%	0.848%
60	15.133	2214	2218	2221	rBV	907128	1017352	39.65%	2.246%
61	15.192	2224	2228	2233	rVV	1338001	1623923	63.29%	3.585%
62	15.245	2234	2237	2240	rVV	594418	694891	27.08%	1.534%
63	15.274	2240	2242	2249	rVB2	408877	507442	19.78%	1.120%
64	16.621	2465	2471	2477	rVB	657124	1262396	49.20%	2.787%
65	17.033	2535	2541	2549	rVB	518883	1036516	40.40%	2.288%

Sum of corrected areas: 45300776

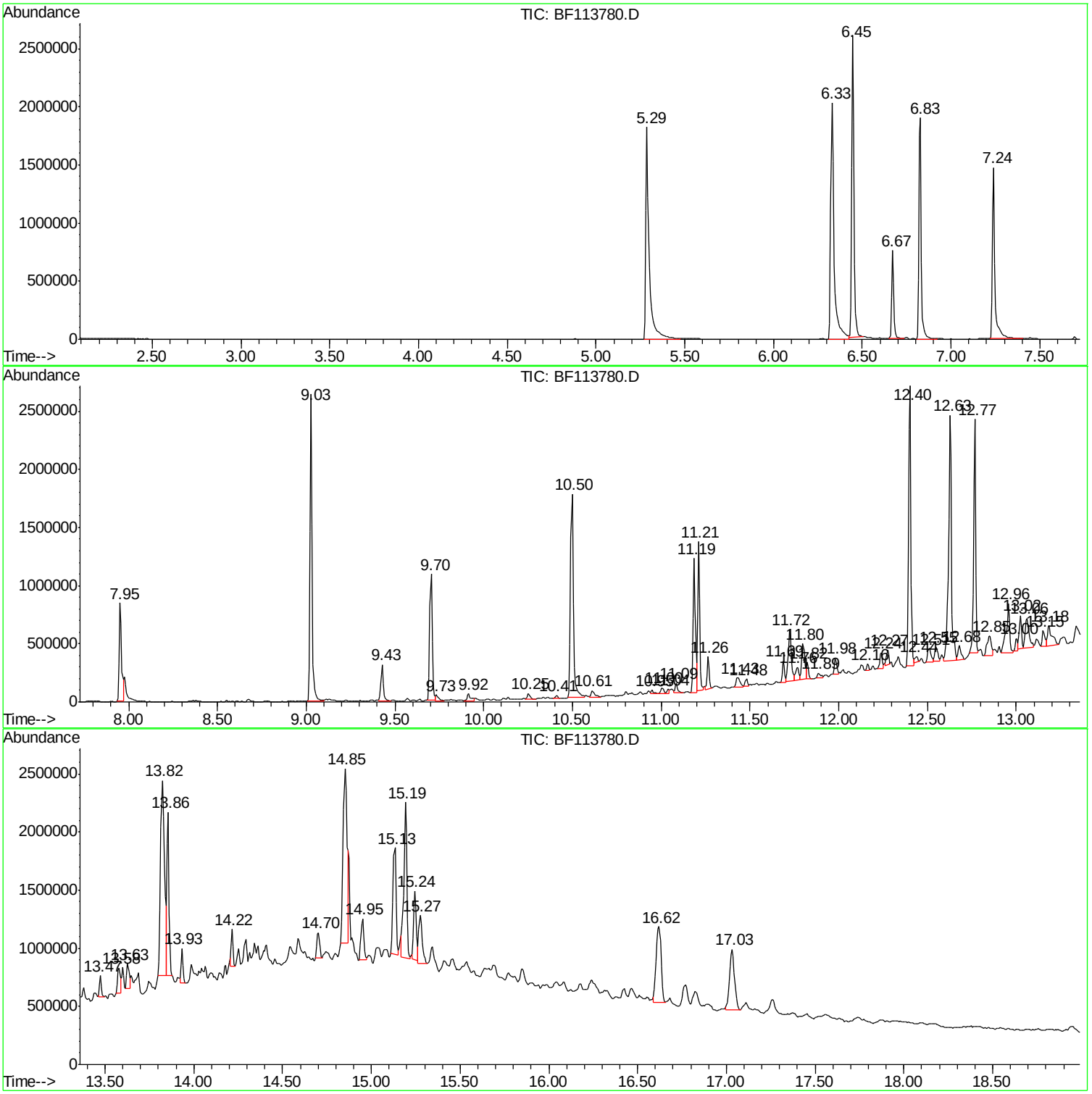
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

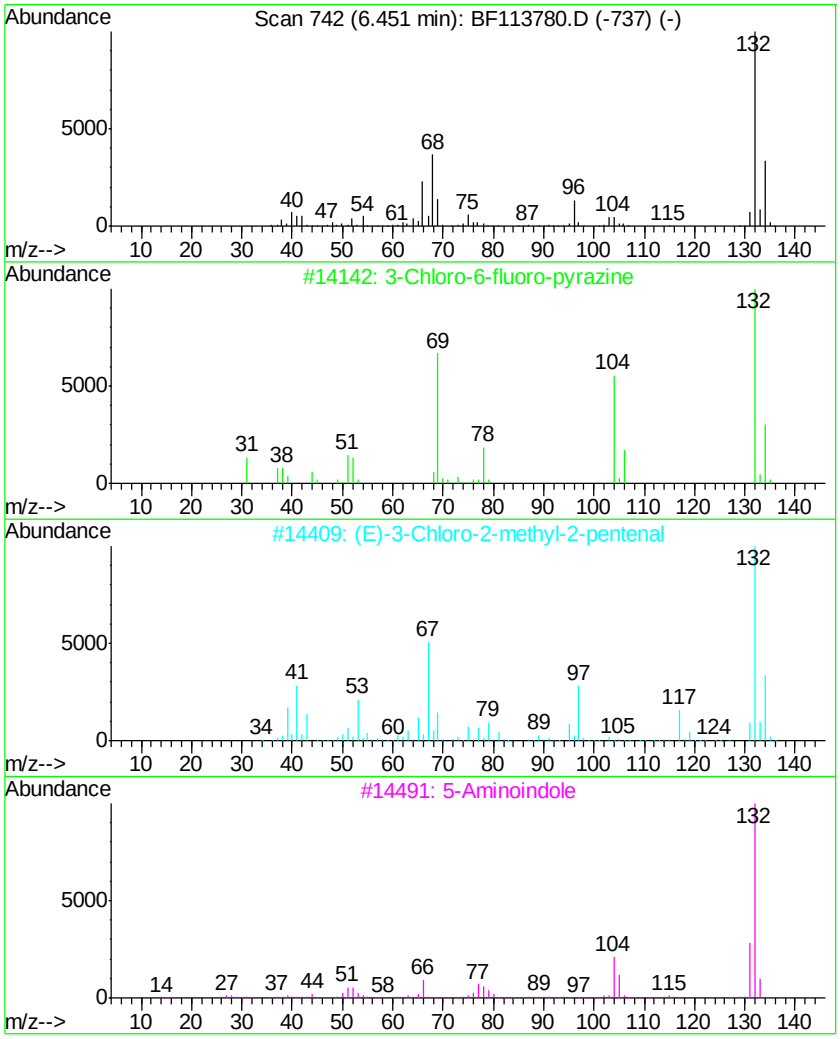
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

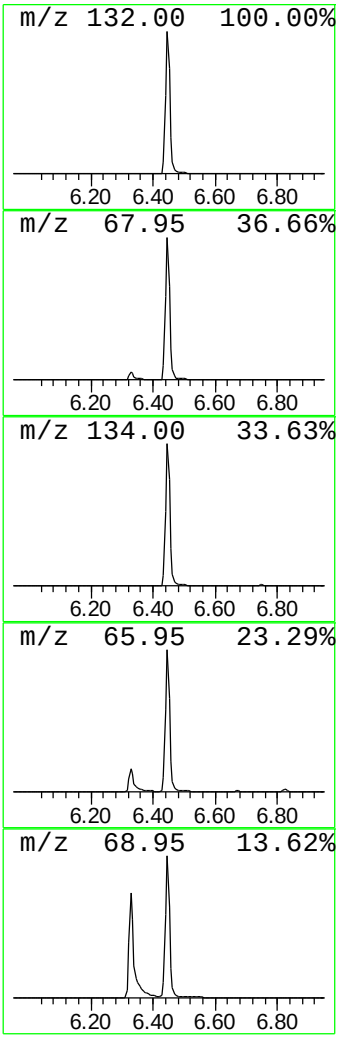
****

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	75.47 ng	2518100	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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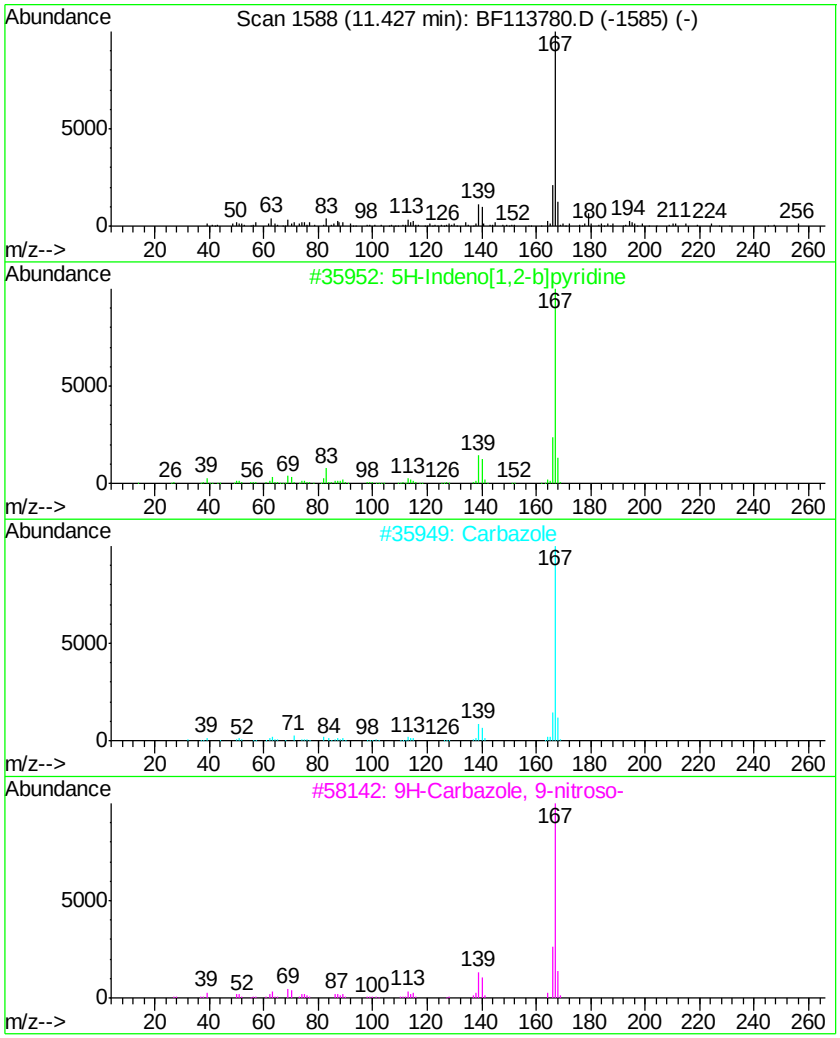
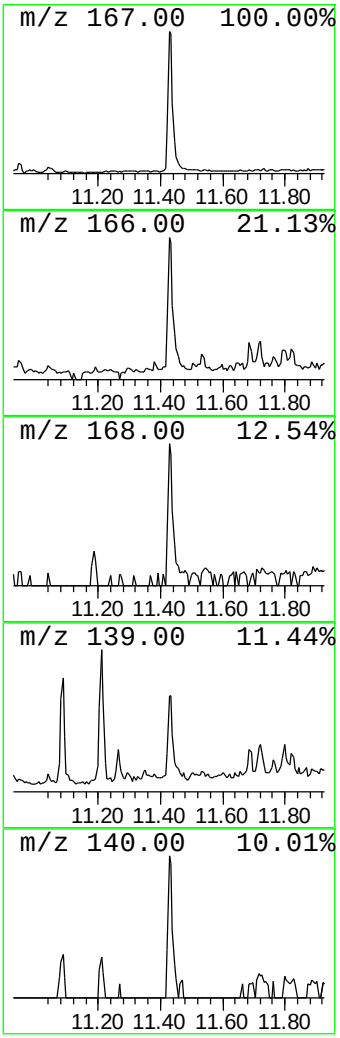
Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	2.29 ng	115948	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	Carbazole	167	C12H9N	000086-74-8	81
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
4	2-Azafluorene	167	C12H9N	000244-40-6	72
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
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Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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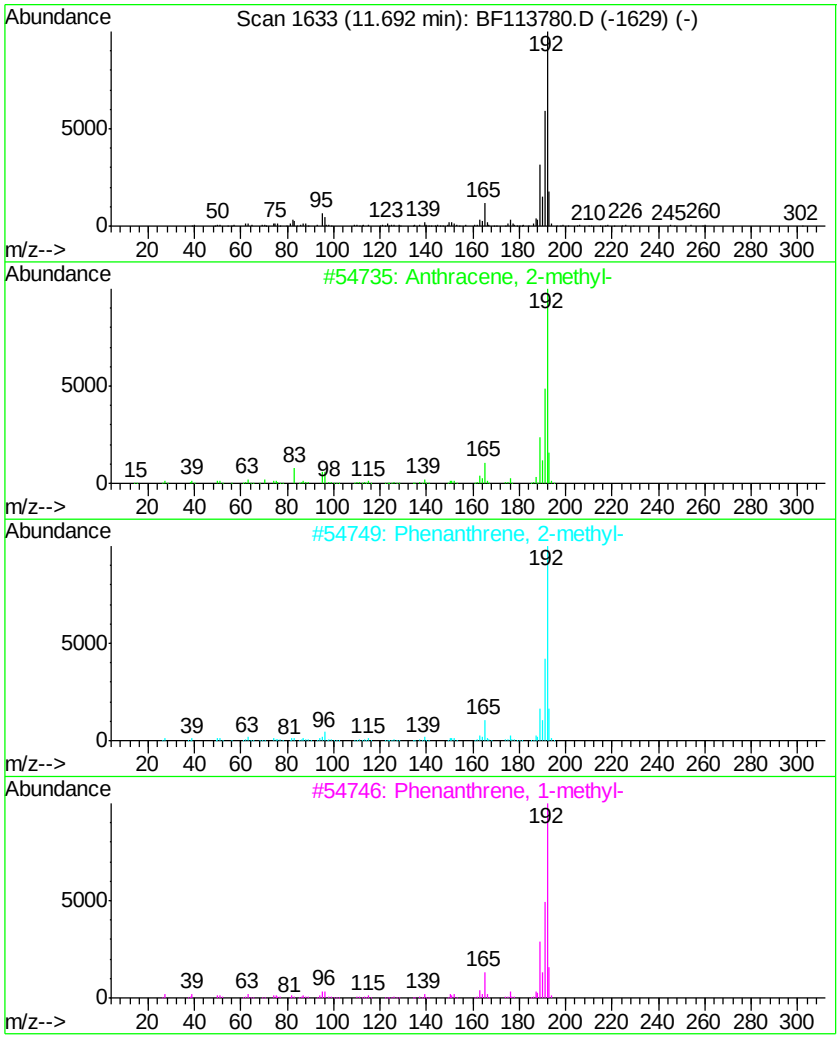
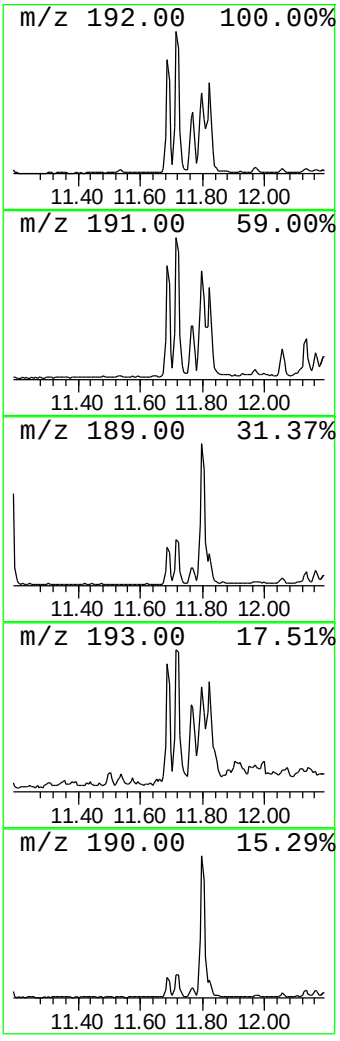
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	3.26 ng	165143	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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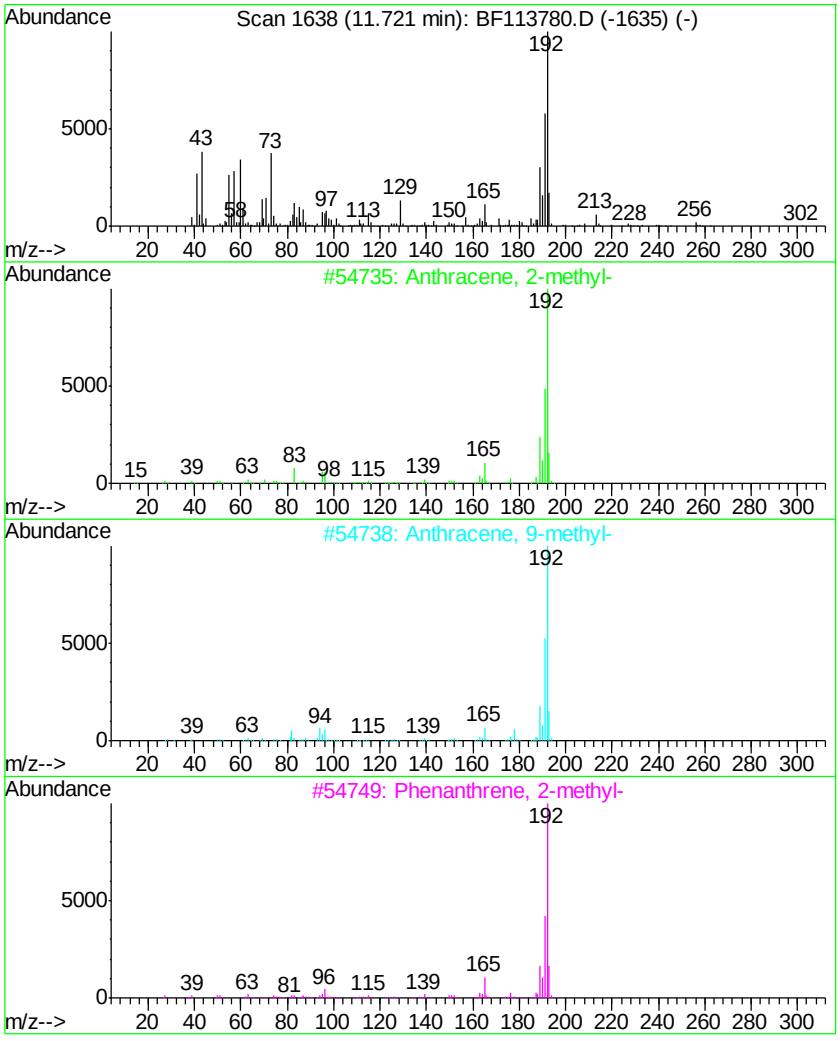
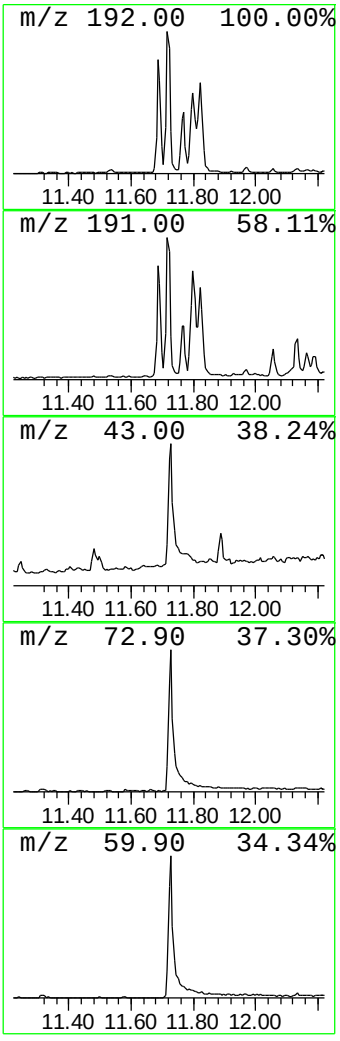
Peak Number 5 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	10.85 ng	548915	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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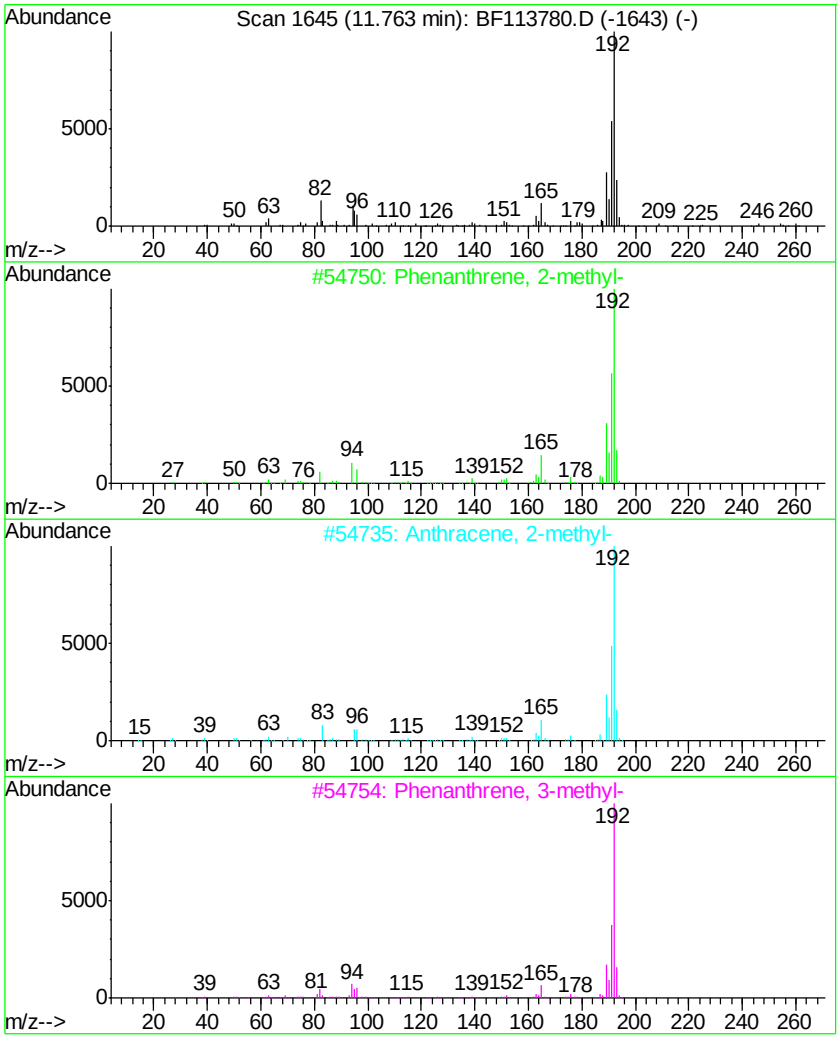
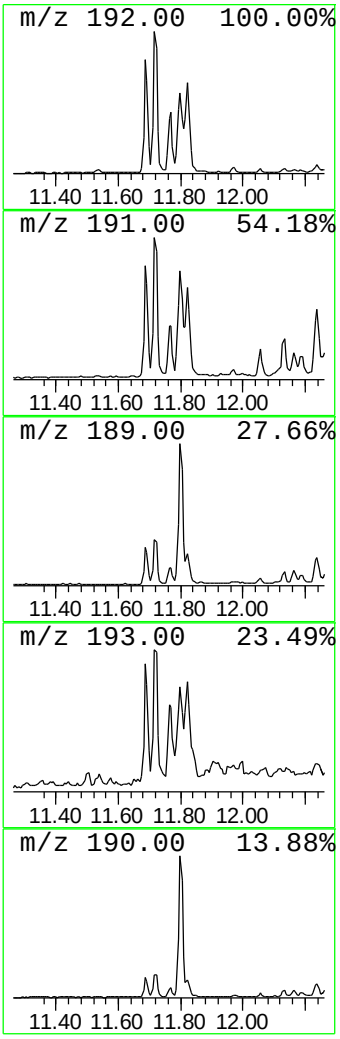
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.49 ng	126018	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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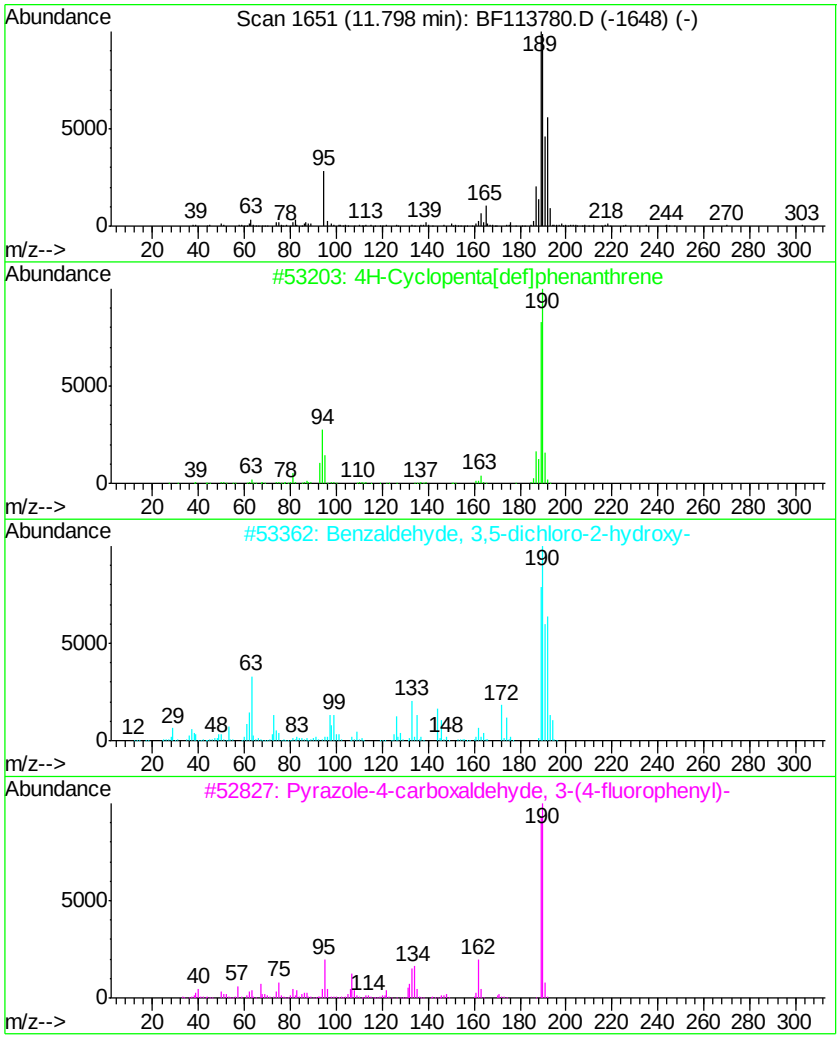
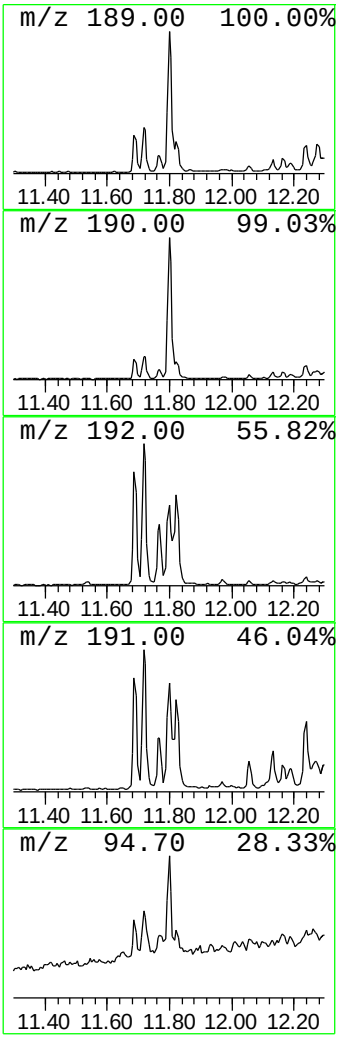
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	6.73 ng	340529	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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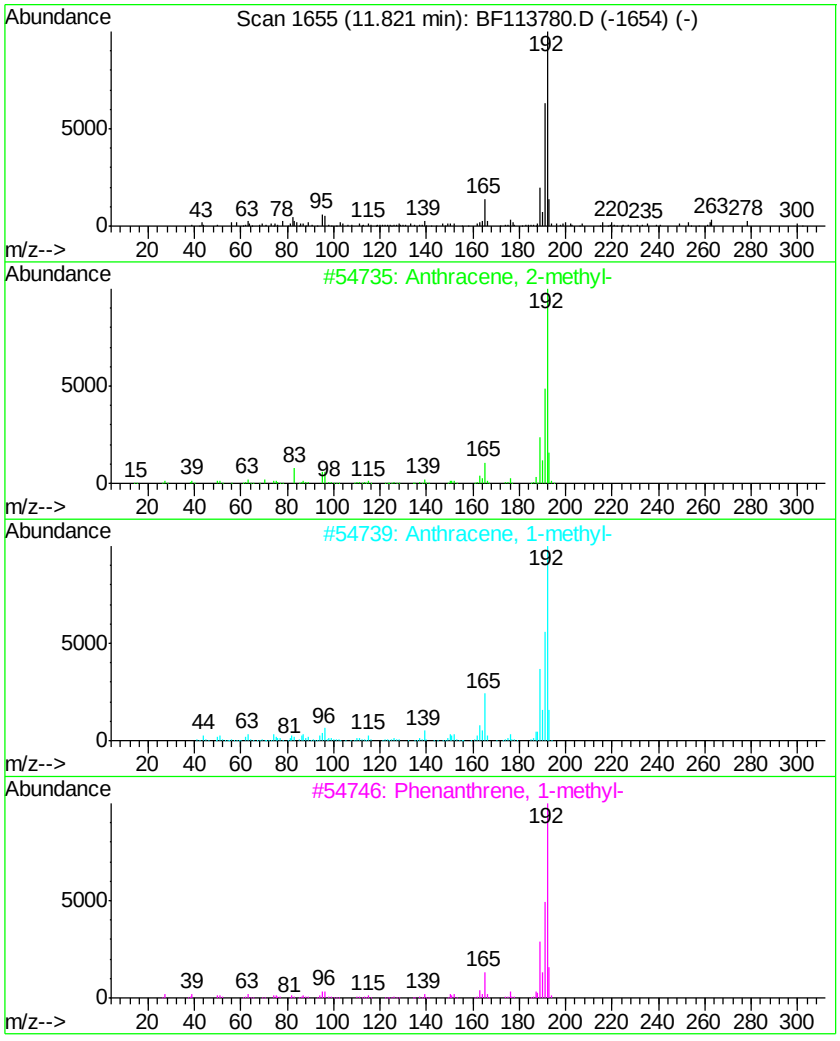
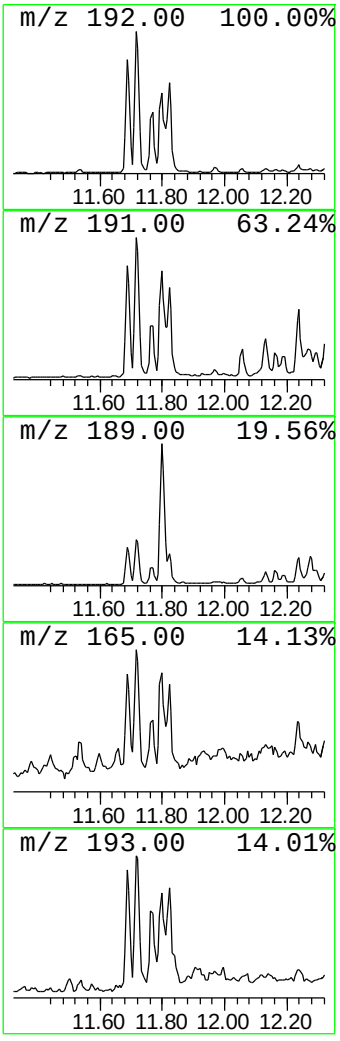
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.10 ng	106200	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	74





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Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

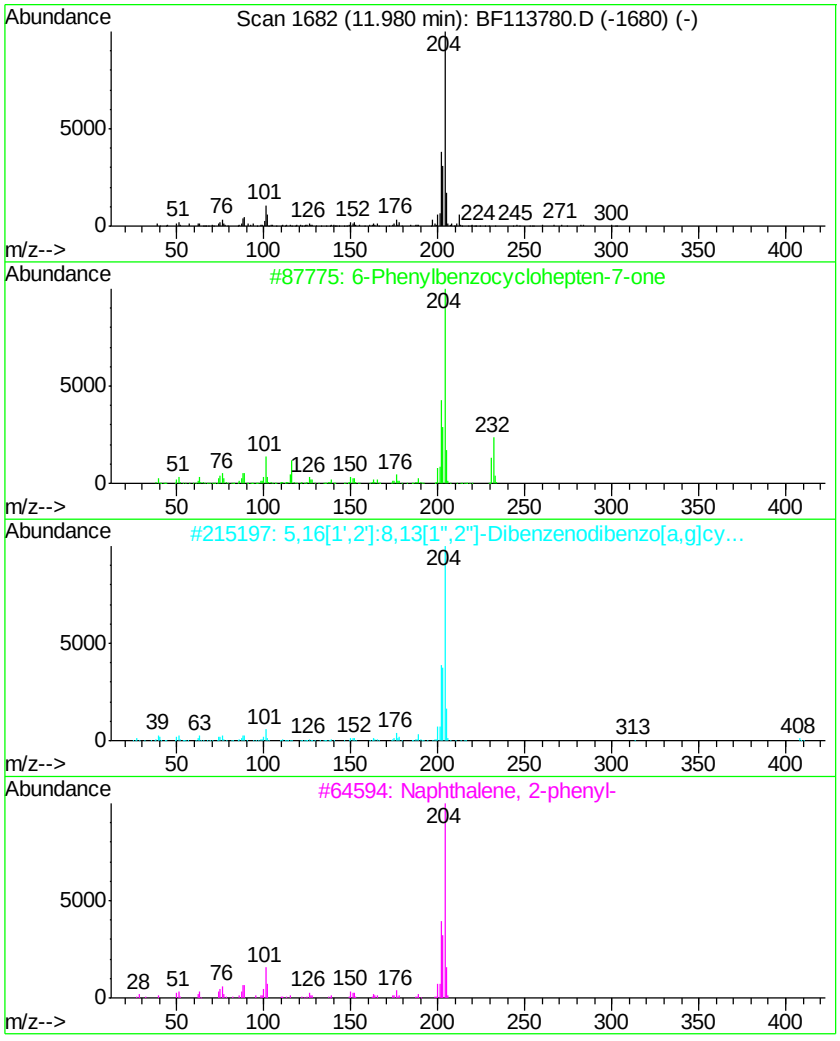
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

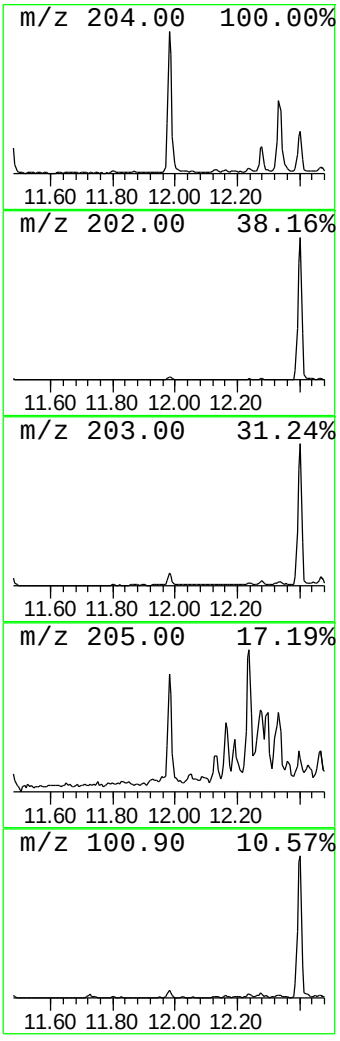
****

Peak Number 9 6-Phenylbenzocyclohepten-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.38 ng	120533	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





Library Search Compound Report

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Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

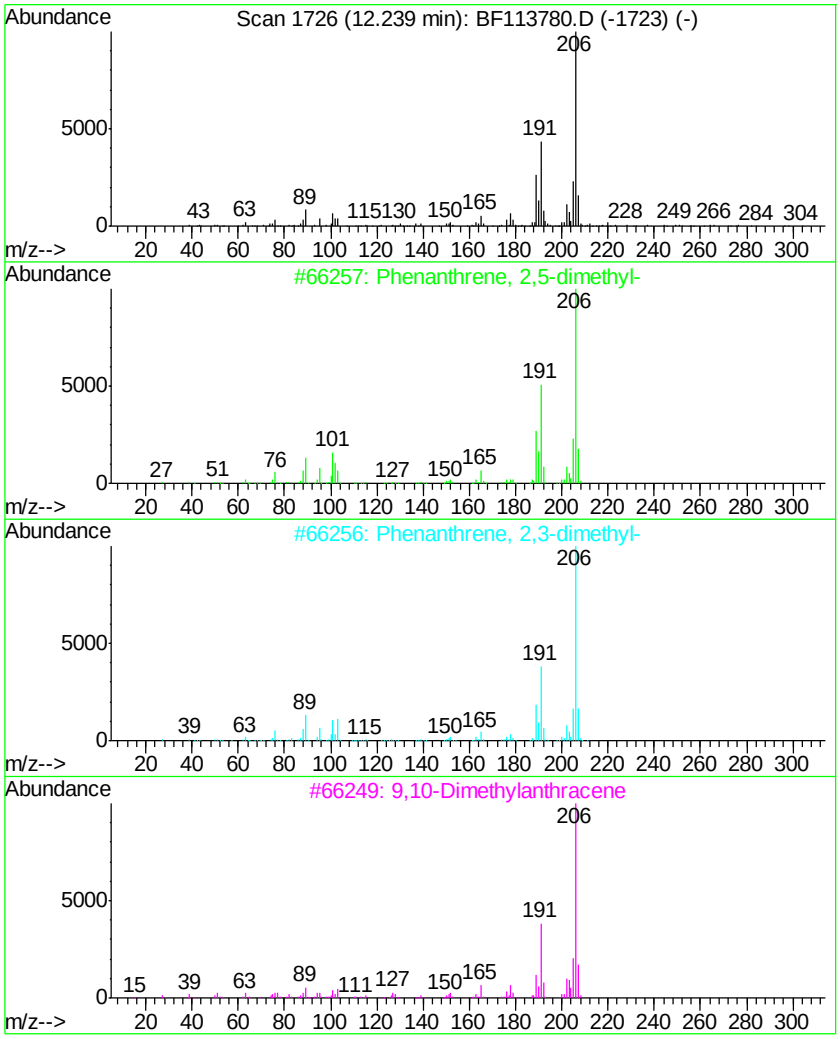
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

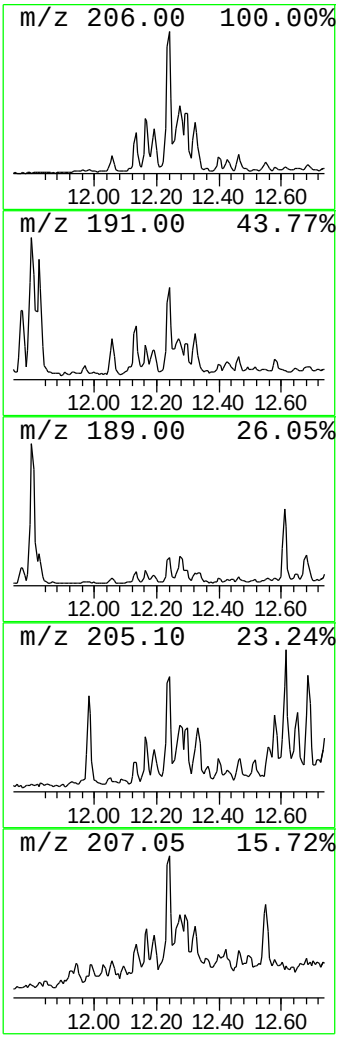
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.84 ng	143873	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

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Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

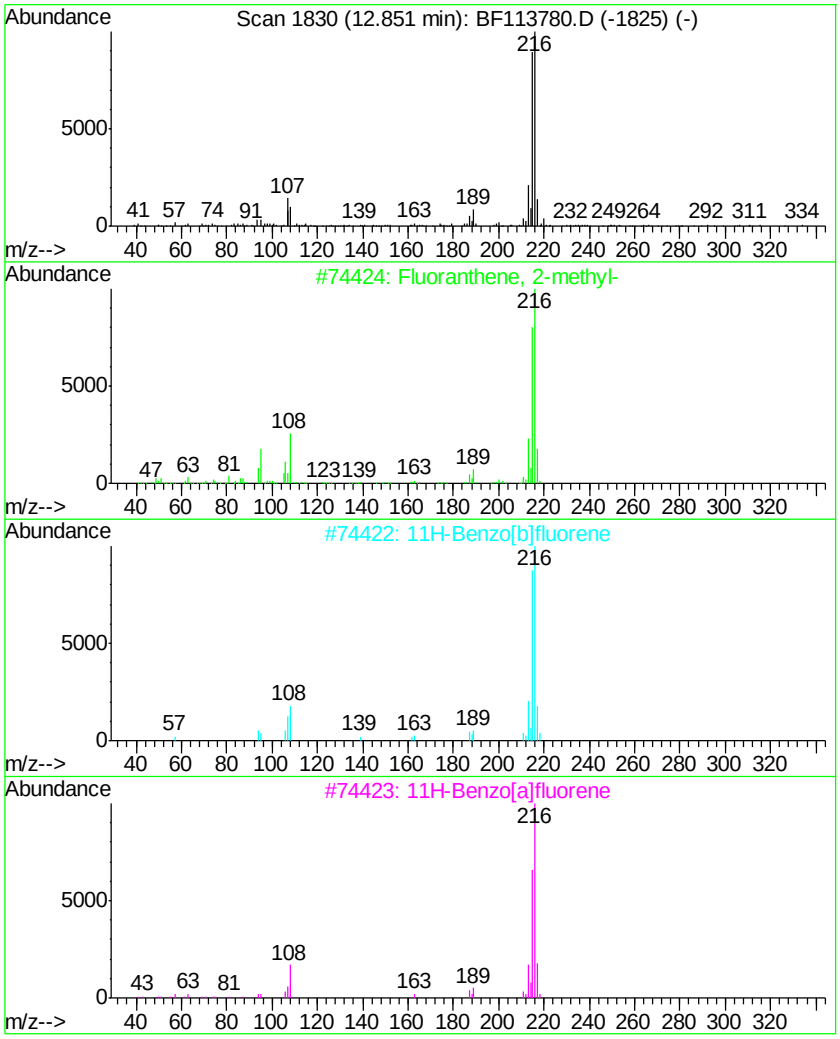
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

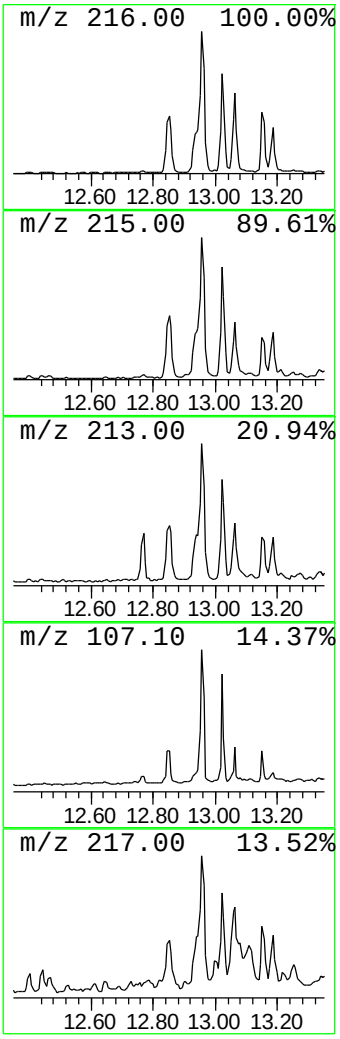
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	2.25 ng	288653	Chrysene-d12	13.83

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	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

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Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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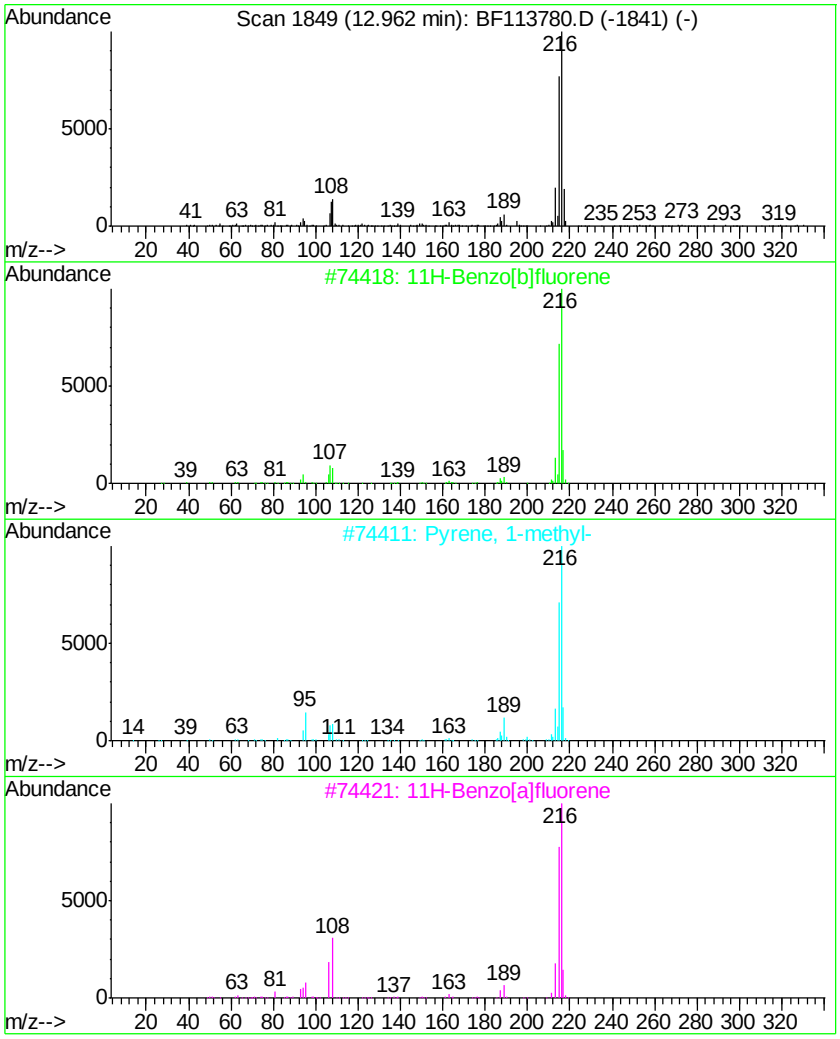
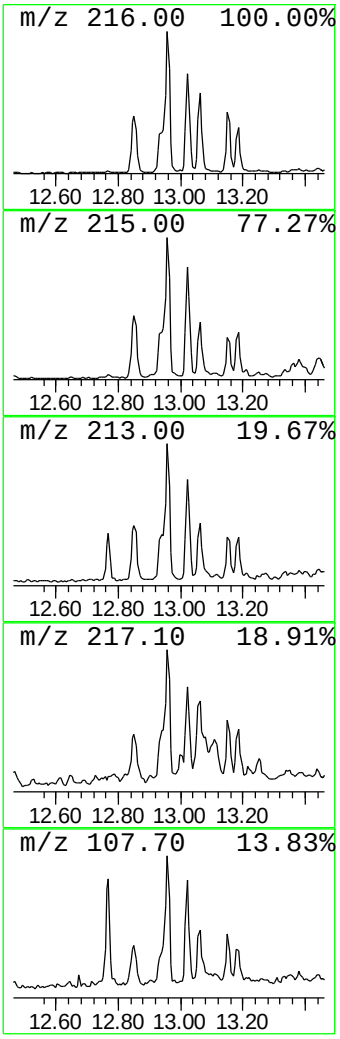
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.82 ng	618460	Chrysene-d12	13.83

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

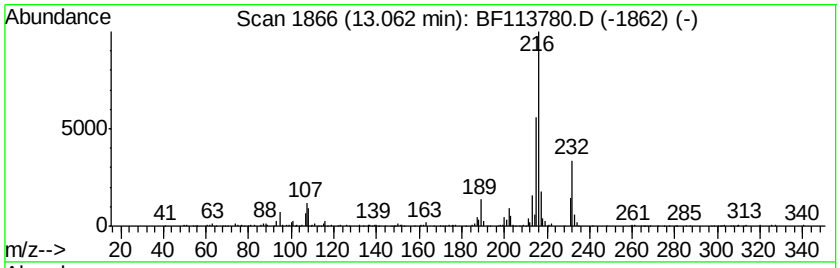
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

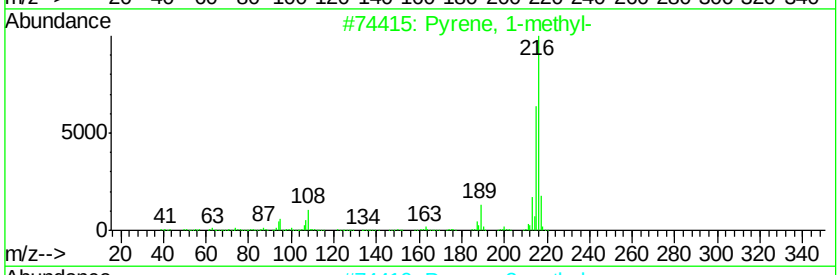
****

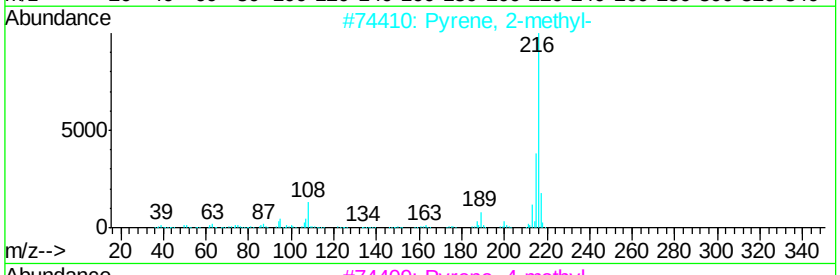
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 10

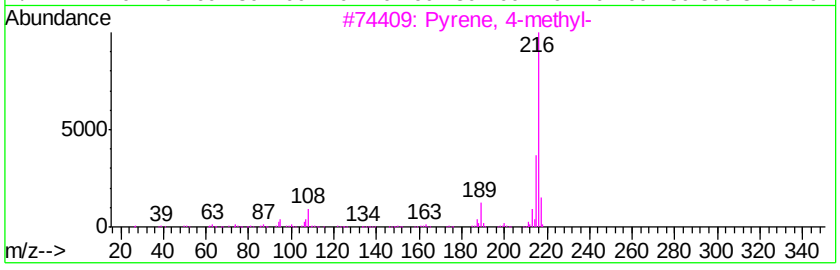
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.87 ng	367649	Chrysene-d12	13.83

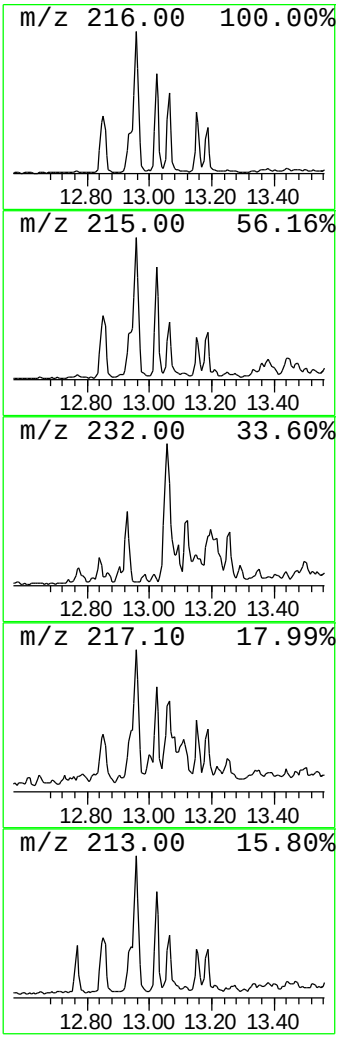
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70











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Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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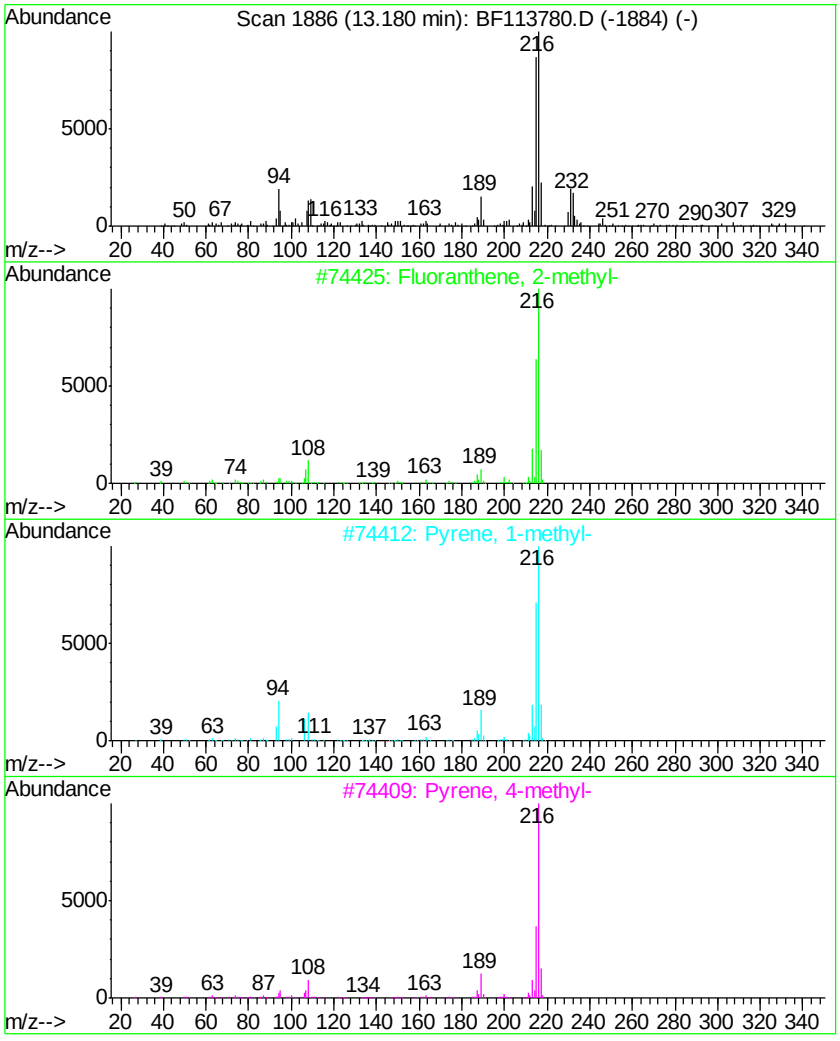
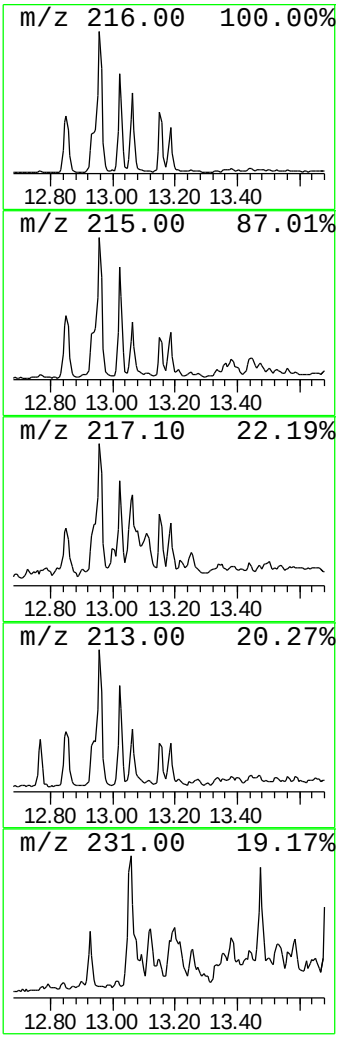
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.37 ng	304289	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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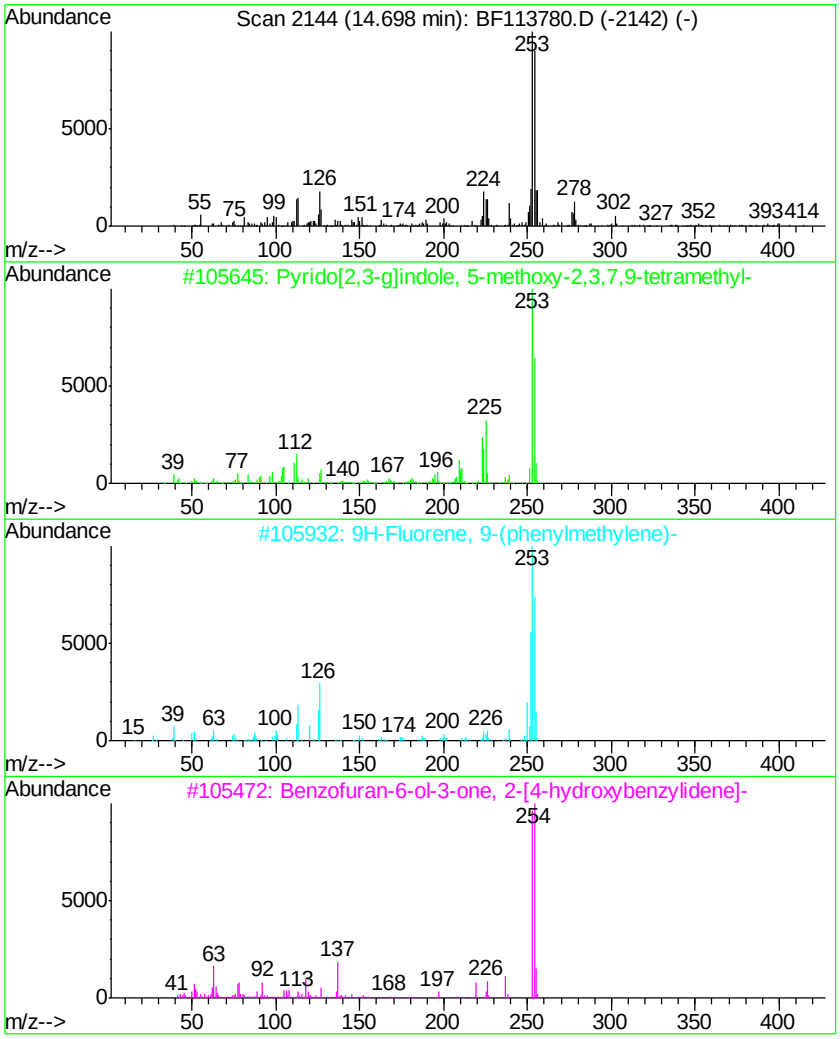
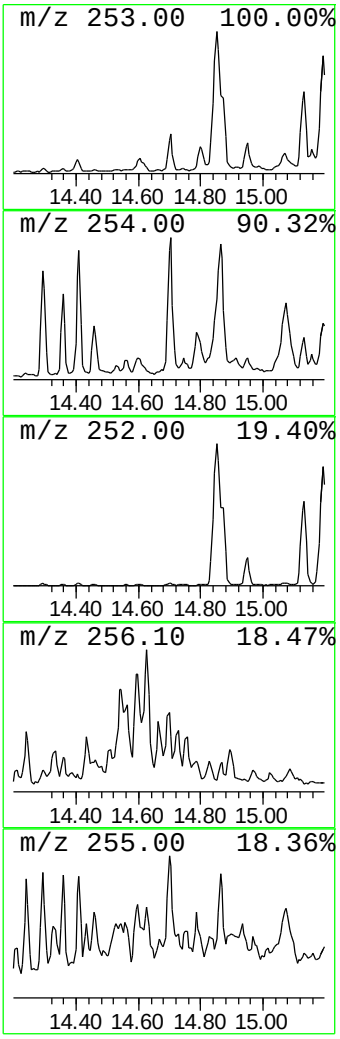
Peak Number 15 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	6.37 ng	221475	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	80
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72
3	Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	64
4	Coumaran-6,7-diol-3-one, 2-benzy...	254	C15H10O4	029813-90-9	64
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64





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Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

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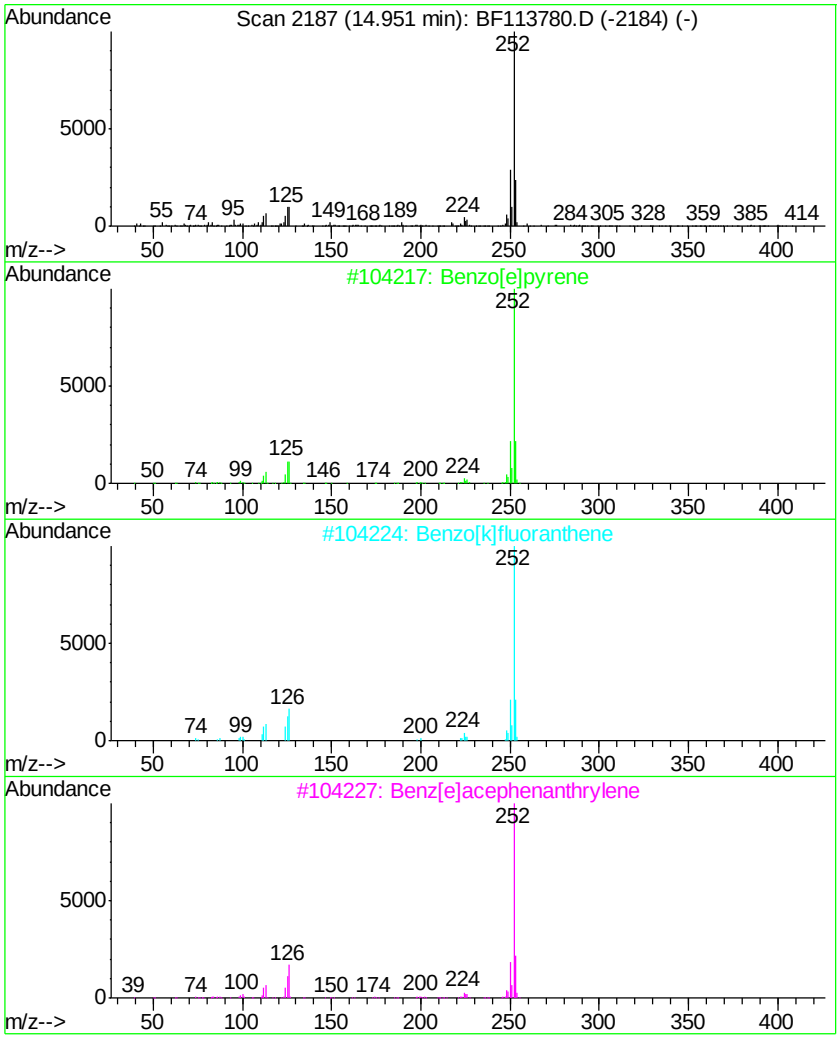
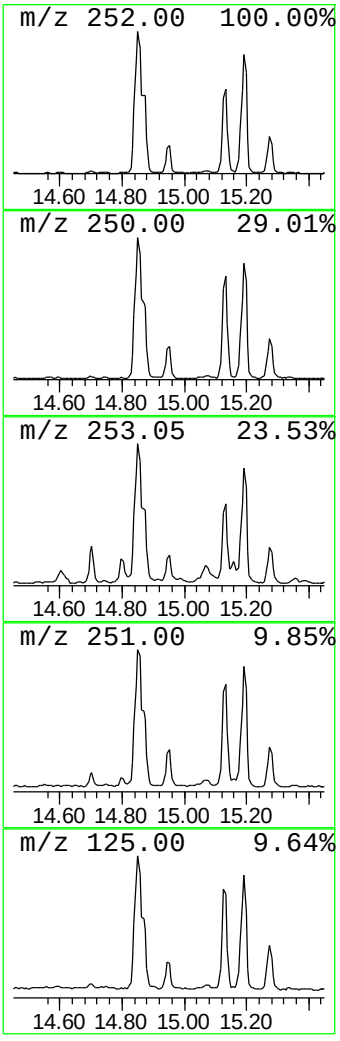
Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	11.06 ng	384138	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113780.D
Acq On : 15 Apr 2019 23:26
Operator : JU/SJ
Sample : K2397-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	75.5	ng	2518100	1	6.67	667302	20.0
5H-Indeno[1,2-b]p...	11.43	2.3	ng	115948	4	11.19	1011970	20.0
Anthracene, 2-met...	11.69	3.3	ng	165143	4	11.19	1011970	20.0
Anthracene, 9-met...	11.72	10.9	ng	548915	4	11.19	1011970	20.0
Phenanthrene, 2-m...	11.76	2.5	ng	126018	4	11.19	1011970	20.0
4H-Cyclopenta[def...	11.80	6.7	ng	340529	4	11.19	1011970	20.0
Phenanthrene, 1-m...	11.82	2.1	ng	106200	4	11.19	1011970	20.0
6-Phenylbenzocycl...	11.98	2.4	ng	120533	4	11.19	1011970	20.0
Phenanthrene, 2,5...	12.24	2.8	ng	143873	4	11.19	1011970	20.0
Fluoranthene, 2-m...	12.85	2.3	ng	288653	5	13.83	2565840	20.0
11H-Benzo[b]fluorene	12.96	4.8	ng	618460	5	13.83	2565840	20.0
Pyrene, 1-methyl-	13.06	2.9	ng	367649	5	13.83	2565840	20.0
Pyrene, 4-methyl-	13.18	2.4	ng	304289	5	13.83	2565840	20.0
Pyrido[2,3-g]indo...	14.70	6.4	ng	221475	6	15.24	694891	20.0
Benzo[e]pyrene	14.95	11.1	ng	384138	6	15.24	694891	20.0