LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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	5.298	542	546	568	rBV	2658642	2733946	90.31%	5.867%
2	6.334	718	722	739	rBV	2746386	3003643	99.21%	6.446%
3	6.457	739	743	752	rVV	3186113	2820580	93.17%	6.053%
4	6.686	778	782	792	rBV	930931	855289	28.25%	1.835%
5	6.839	804	808	821	rBV	2529287	2261547	74.70%	4.853%
6	7.251	873	878	890	rBV	1810234	1768824	58.43%	3.796%
7	7.969	996	1000	1007	rBV	1072733	1029862	34.02%	2.210%
8	9.045	1179	1183	1186	rBV	3563609	3027422	100.00%	6.497%
9	9.133	1194	1198	1204	rBV3	61061	64959	2.15%	0.139%
10	9.439	1247	1250	1255	rBV	245515	232208	7.67%	0.498%
11	9.580	1271	1274	1280	rBV	97338	96094	3.17%	0.206%
12	9.663	1285	1288	1291	rVV	92481	73005	2.41%	0.157%
13	9.722	1291	1298	1301	rVV	1229947	1053732	34.81%	2.261%
14	9.751	1301	1303	1314	rVB	57429	72960	2.41%	0.157%
15	10.163	1369	1373	1379	rVB	108185	90857	3.00%	0.195%
16	10.269	1388	1391	1397	rVB	76560	82084	2.71%	0.176%
17	10.380	1407	1410	1415	rVB2	44384	43573	1.44%	0.094%
18	10.510	1428	1432	1444	rBV	1640189	1558203	51.47%	3.344%
19	10.633	1450	1453	1460	rVB	141521	167634	5.54%	0.360%
20	10.821	1480	1485	1487	rBV2	39460	54149	1.79%	0.116%
21	11.057	1522	1525	1527	rBV3	27635	35850	1.18%	0.077%
22	11.080	1527	1529	1531	rVV	111846	95020	3.14%	0.204%
23	11.110	1531	1534	1539	rVB2	62433	87379	2.89%	0.188%
24	11.204	1546	1550	1552	rBV	1143389	980588	32.39%	2.104%
25	11.227	1552	1554	1558	rVV	707074	549679	18.16%	1.180%
26	11.280	1560	1563	1567	rVB	204780	186200	6.15%	0.400%
27	11.504	1598	1601	1603	rBV2	88276	83106	2.75%	0.178%
28	11.527	1603	1605	1612	rVB5	45754	70013	2.31%	0.150%
29	11.604	1615	1618	1625	rVB	959377	797124	26.33%	1.711%
30	11.704	1632	1635	1638	rBV	153372	142499	4.71%	0.306%
31	11.733	1638	1640	1645	rVV	209766	241934	7.99%	0.519%
32	11.780	1645	1648	1651	rVV	100340	110550	3.65%	0.237%
33	11.816	1651	1654	1657	rVV	320614	347193	11.47%	0.745%
34	11.839	1657	1658	1663	rVB	128927	89006	2.94%	0.191%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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	11.916	1668	1671	1673	rVB	70578	64646	2.14%	0.139%
36	11.998	1682	1685	1688	rBV	93278	92441	3.05%	0.198%
37	12.033	1689	1691	1694	rVB	58023	49941	1.65%	0.107%
38	12.151	1708	1711	1714	rVB	47804	40051	1.32%	0.086%
39	12.180	1714	1716	1718	rBV	66239	53560	1.77%	0.115%
40	12.257	1725	1729	1731	rBV	164304	168686	5.57%	0.362%
41	12.292	1731	1735	1736	rBV	1886307	1918399	63.37%	4.117%
42	12.310	1736	1738	1741	rVB	2429361	2077649	68.63%	4.459%
43	12.398	1750	1753	1754	rBV	361814	342827	11.32%	0.736%
44	12.415	1754	1756	1760	rVV	1833651	1520247	50.22%	3.262%
45	12.463	1761	1764	1765	rVV	51302	56875	1.88%	0.122%
46	12.480	1765	1767	1770	rVB2	64053	59620	1.97%	0.128%
47	12.563	1778	1781	1786	rVB3	52792	56081	1.85%	0.120%
48	12.645	1789	1795	1798	rBV	1732614	1851205	61.15%	3.973%
49	12.668	1798	1799	1801	rVB	103258	56897	1.88%	0.122%
50	12.698	1801	1804	1809	rVB2	80264	114890	3.79%	0.247%
51	12.792	1812	1820	1823	rBV	2695635	2843531	93.93%	6.102%
52	12.868	1828	1833	1836	rBV2	153880	234858	7.76%	0.504%
53	12.951	1844	1847	1849	rBV2	199696	246003	8.13%	0.528%
54	12.974	1849	1851	1854	rVV	362319	297782	9.84%	0.639%
55	13.039	1857	1862	1865	rBV2	303949	335320	11.08%	0.720%
56	13.074	1865	1868	1873	rVV2	224087	250033	8.26%	0.537%
57	13.168	1881	1884	1887	rVB	144728	114623	3.79%	0.246%
58	13.198	1887	1889	1892	rBV	138752	131892	4.36%	0.283%
59	13.457	1931	1933	1935	rBV2	51446	51164	1.69%	0.110%
60	13.486	1935	1938	1942	rVB	151432	147490	4.87%	0.317%
61	13.592	1953	1956	1958	rBV	138596	134315	4.44%	0.288%
62	13.615	1958	1960	1962	rVB	140257	104511	3.45%	0.224%
63	13.639	1962	1964	1966	rBV	115310	102818	3.40%	0.221%
64	13.692	1971	1973	1976	rBV	153750	141621	4.68%	0.304%
65	13.839	1993	1998	2001	rBV2	1302331	1938707	64.04%	4.161%
66	13.868	2001	2003	2006	rVB	814688	643672	21.26%	1.381%
67	13.945	2014	2016	2019	rVB	151305	113166	3.74%	0.243%
68	14.009	2022	2027	2030	rBV4	154489	216328	7.15%	0.464%
69	14.192	2055	2058	2060	rBV	92414	97735	3.23%	0.210%
70	14.227	2062	2064	2067	rVB	206711	175173	5.79%	0.376%
71	14.315	2076	2079	2083	rBV3	195113	217317	7.18%	0.466%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

72	14.351	2083	2085	2087	rBV	132733	111299	3.68%	0.239%
73	14.609	2126	2129	2132	rBV	245251	239267	7.90%	0.513%
74	14.709	2143	2146	2151	rBV2	95868	123904	4.09%	0.266%
75	14.856	2167	2171	2174	rBV	683128	975265	32.21%	2.093%
76	14.921	2179	2182	2185	rVB	254681	261607	8.64%	0.561%
77	14.956	2185	2188	2191	rBV	118578	110925	3.66%	0.238%
78	15.133	2215	2218	2224	rVB	367733	448130	14.80%	0.962%
79	15.198	2225	2229	2234	rBV	578625	684318	22.60%	1.469%
80	15.251	2234	2238	2241	rBV	579738	775627	25.62%	1.665%
81	15.668	2306	2309	2314	rVB	166367	217113	7.17%	0.466%
82	16.615	2466	2470	2476	rVB	223941	373361	12.33%	0.801%
83	17.027	2537	2540	2549	rVB	164630	308216	10.18%	0.661%

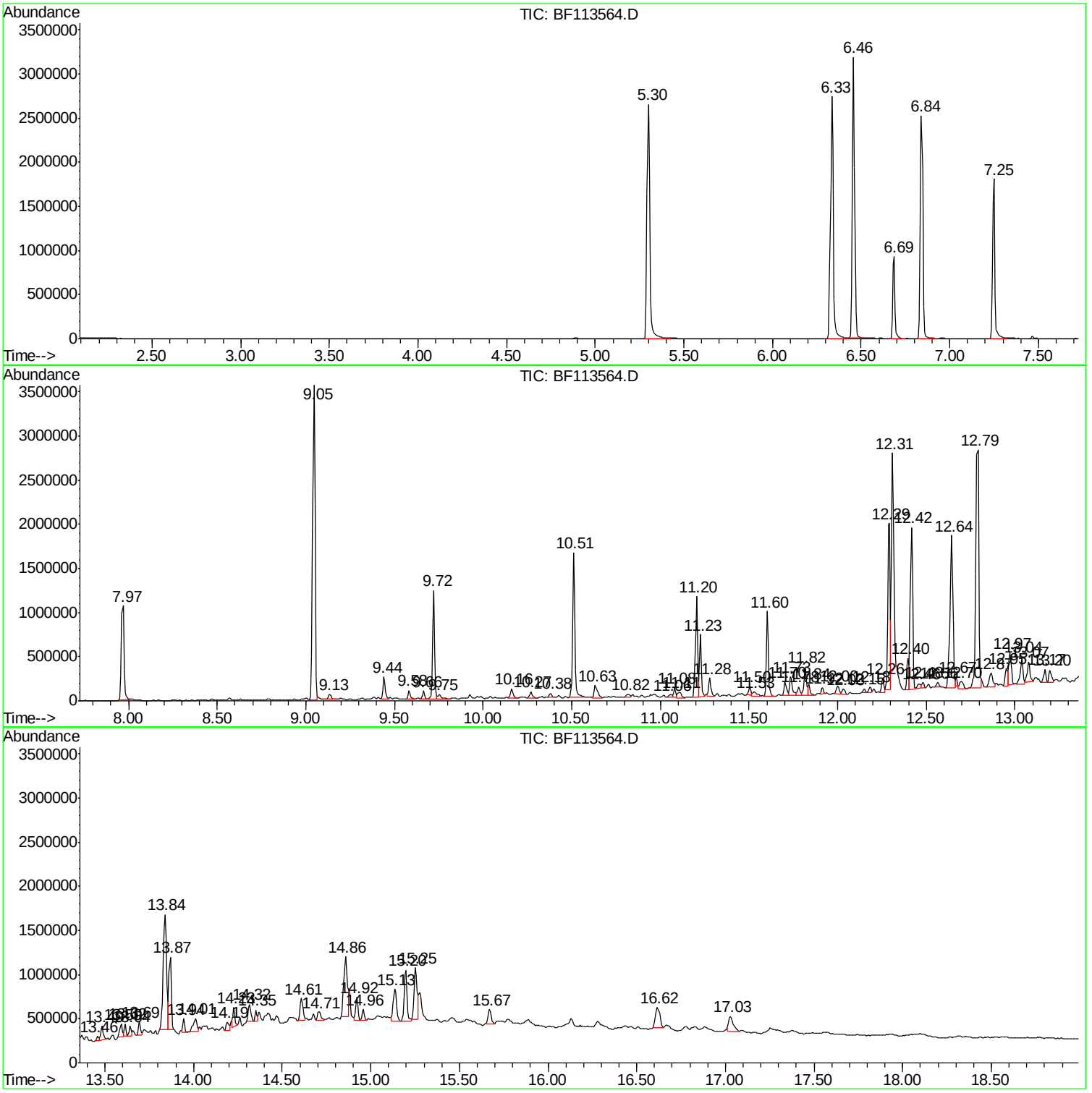
Sum of corrected areas: 46597818

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-040219-A

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

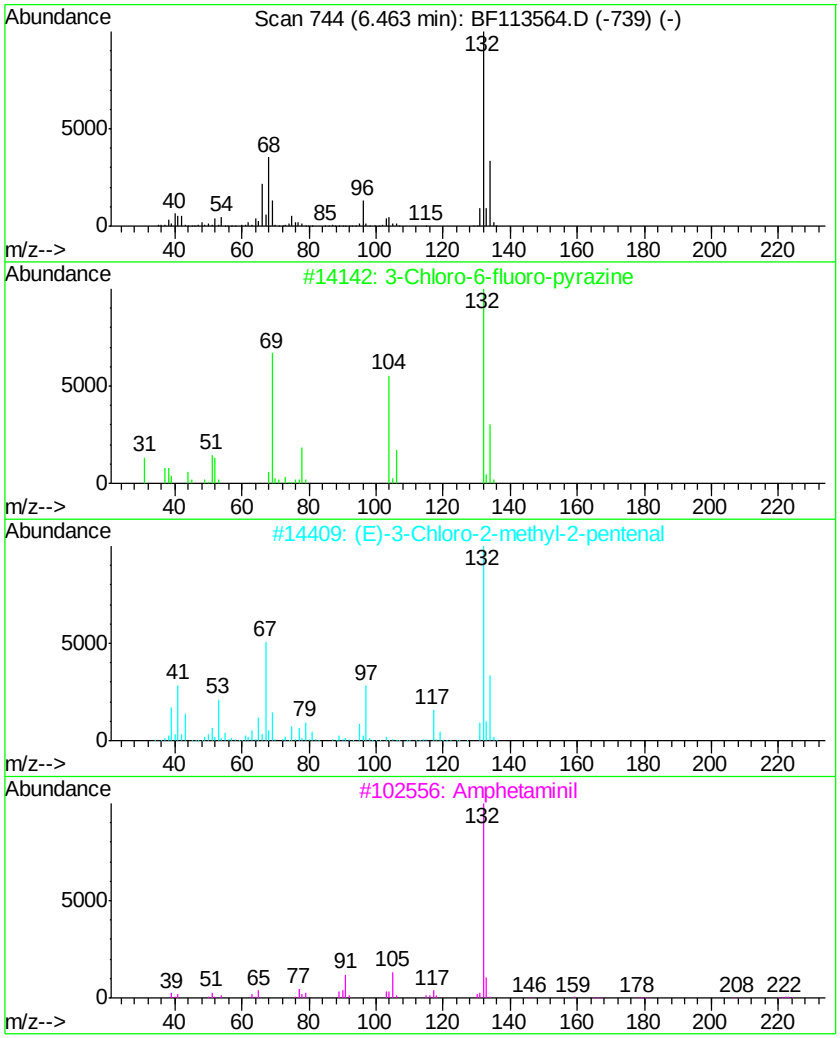
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

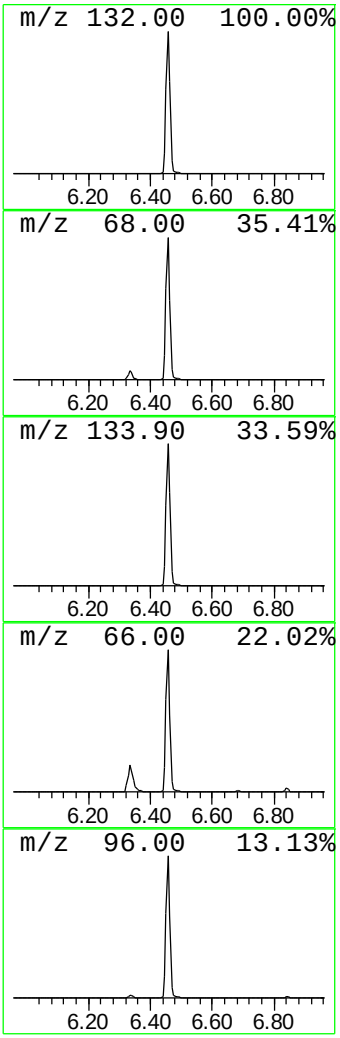
****

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	65.96 ng	2820580	1,4-Dichlorobenzene-d4	6.69

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	16
3	Amphetaminil	250	C17H18N2	017590-01-1	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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

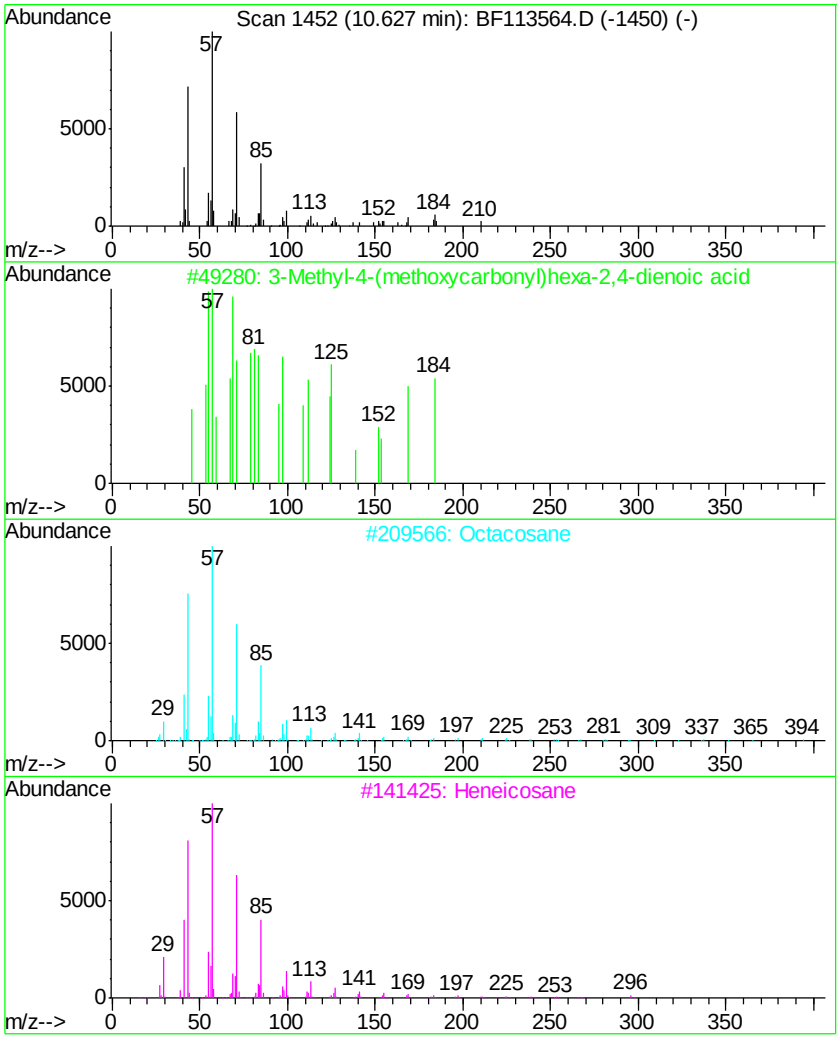
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

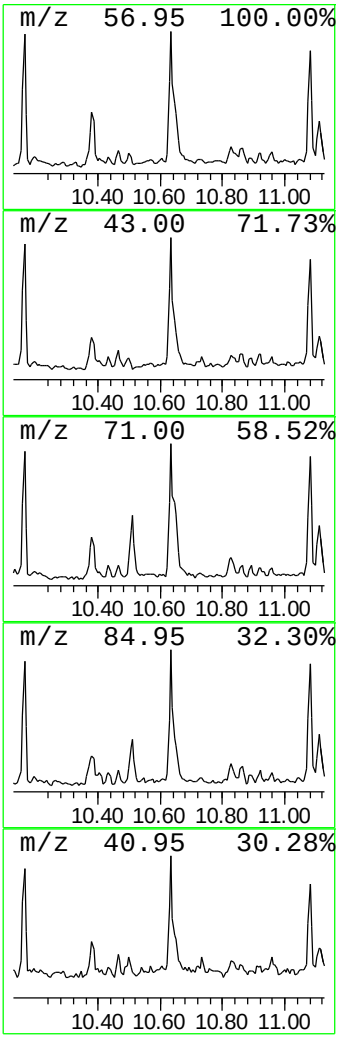
****

Peak Number 3 3-Methyl-4-(methoxycarbonyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	3.42 ng	167634	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	83
2	Octacosane	394	C28H58	000630-02-4	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Octadecane	254	C18H38	000593-45-3	72
5	Heptacosane	380	C27H56	000593-49-7	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

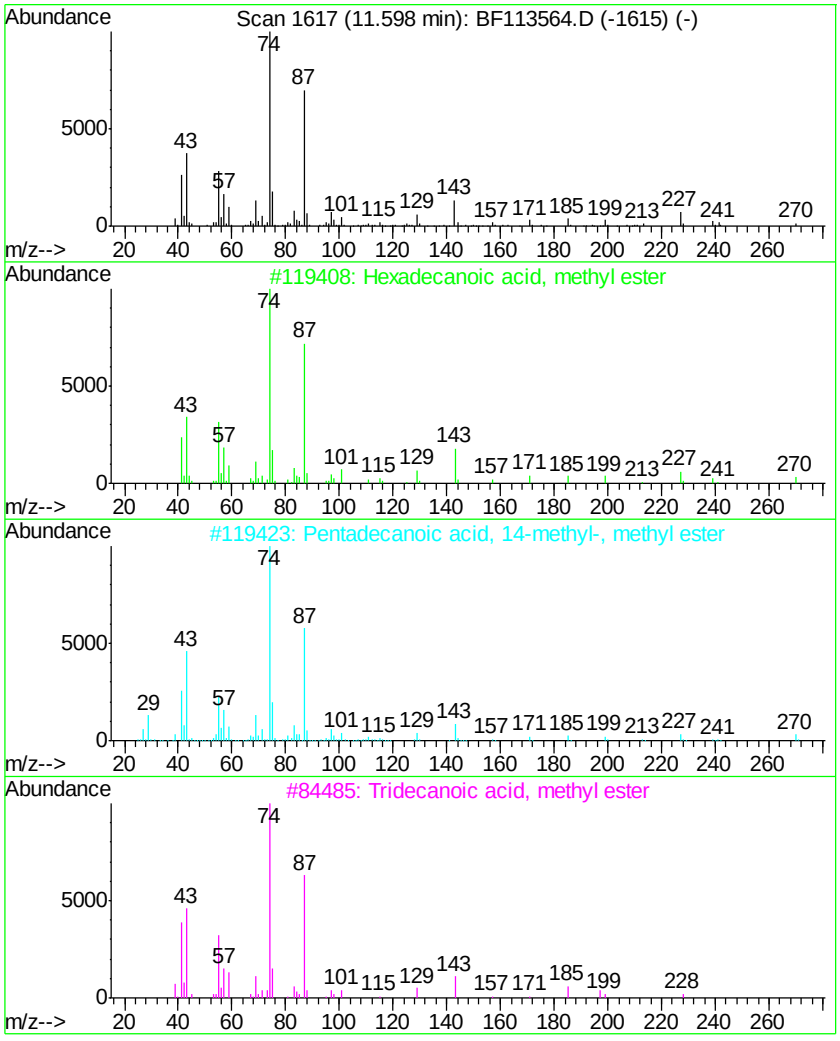
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

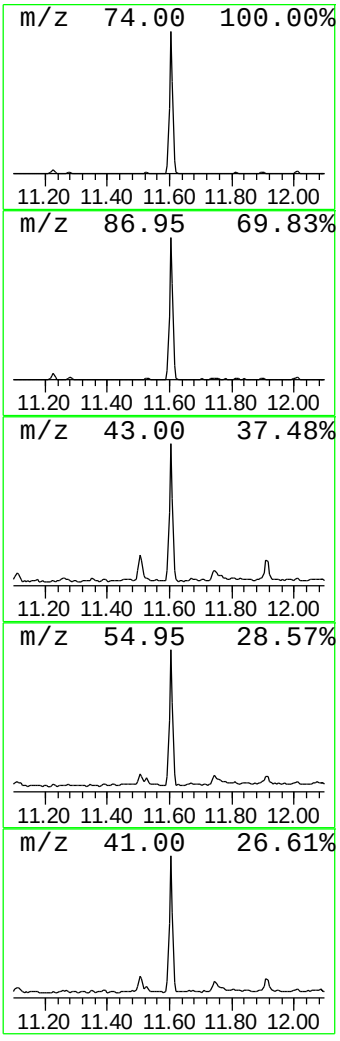
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	16.26 ng	797124	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

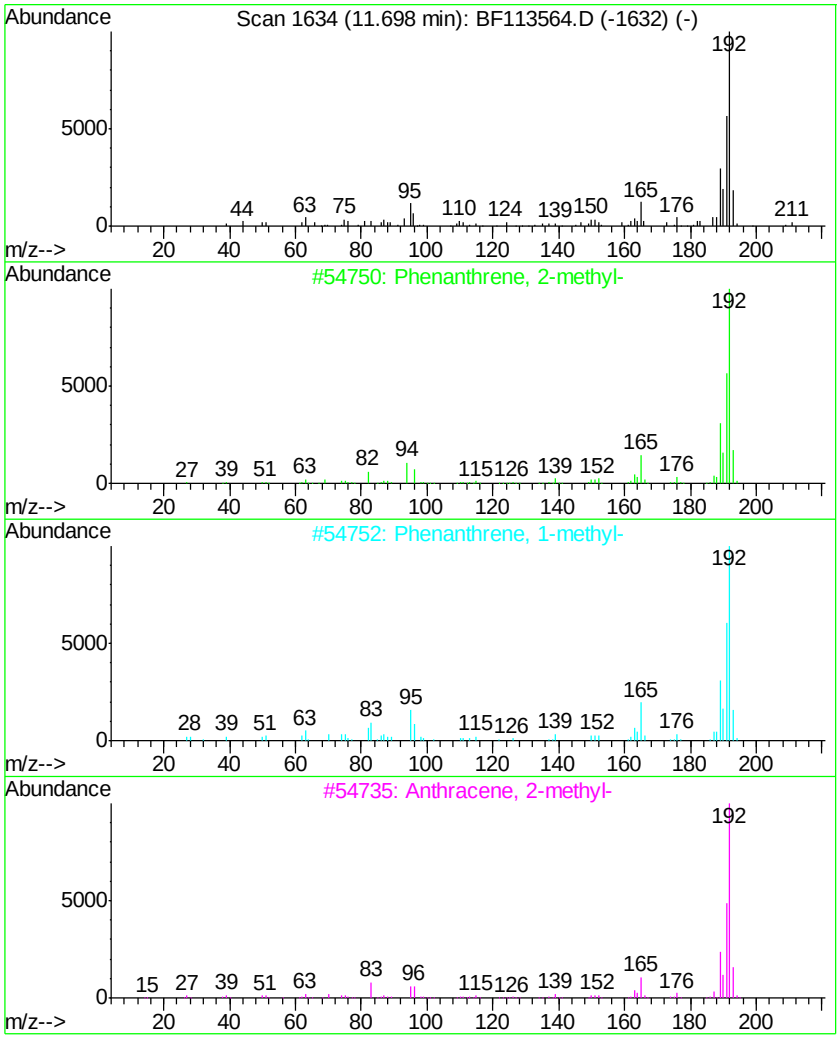
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

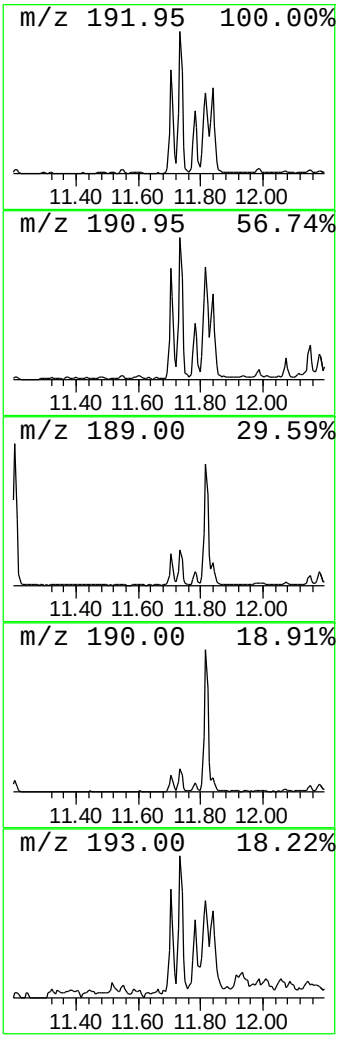
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.91 ng	142499	Phenanthrene-d10	11.20

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

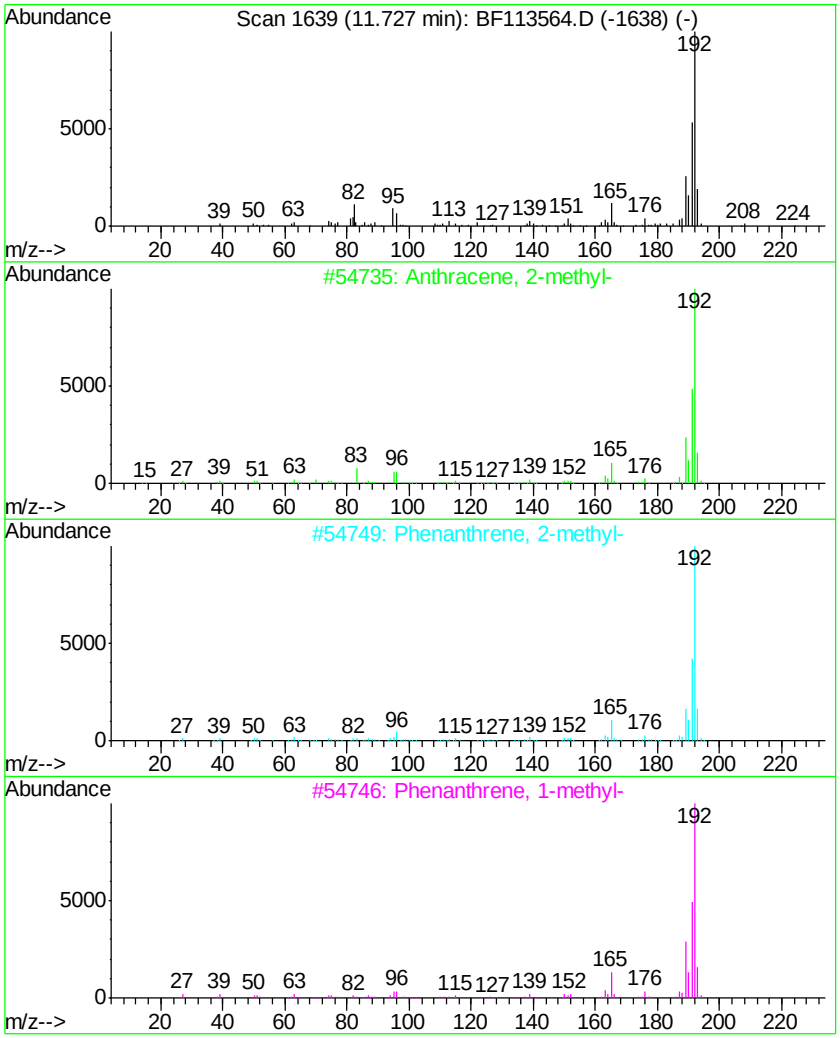
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

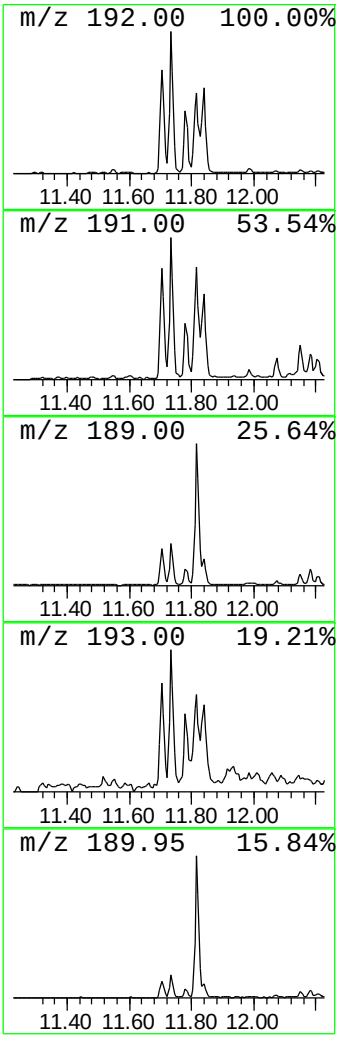
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.93 ng	241934	Phenanthrene-d10	11.20

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

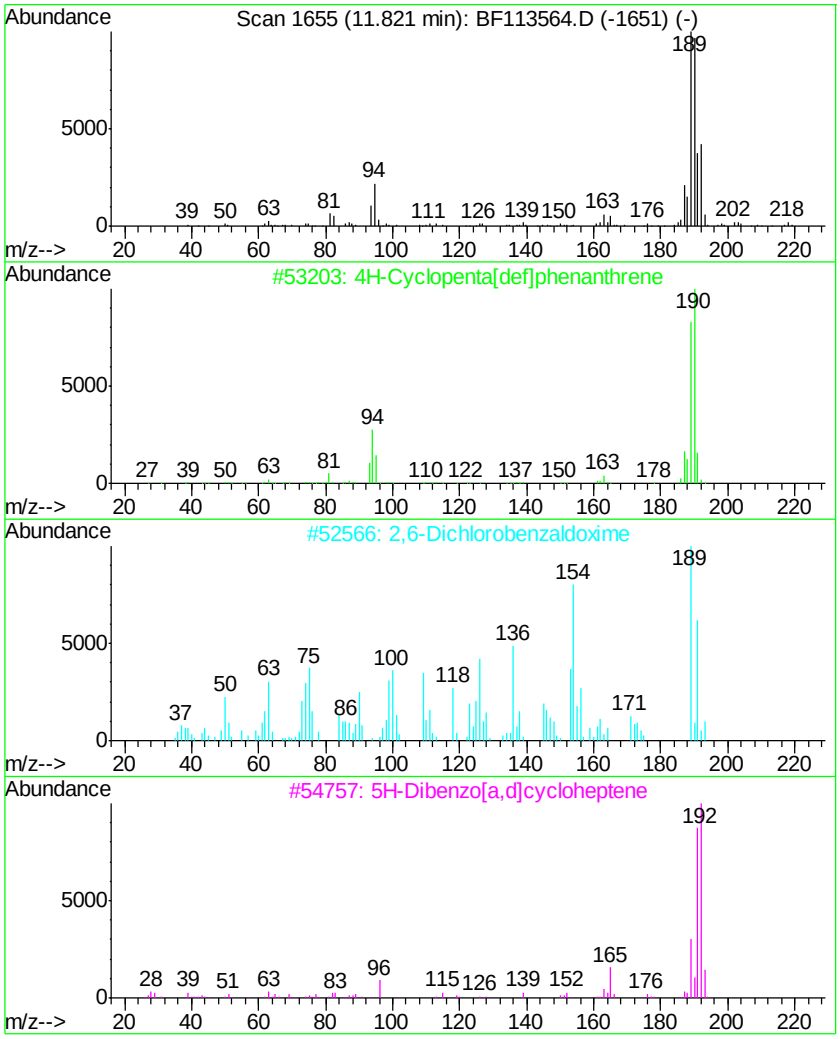
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

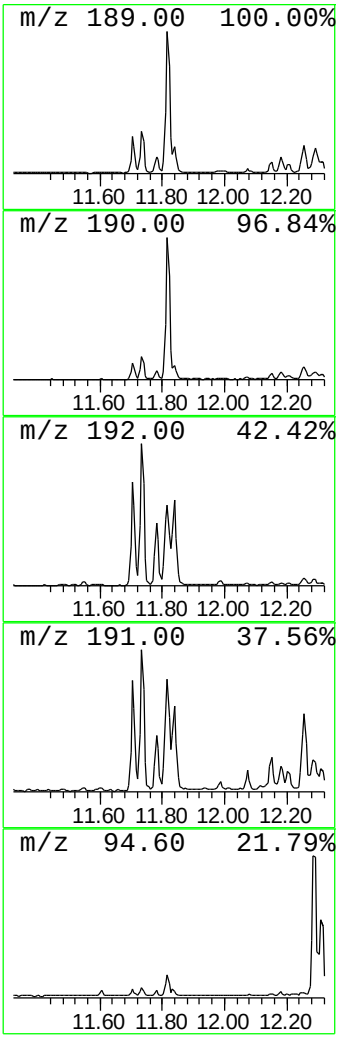
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	7.08 ng	347193	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	15
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

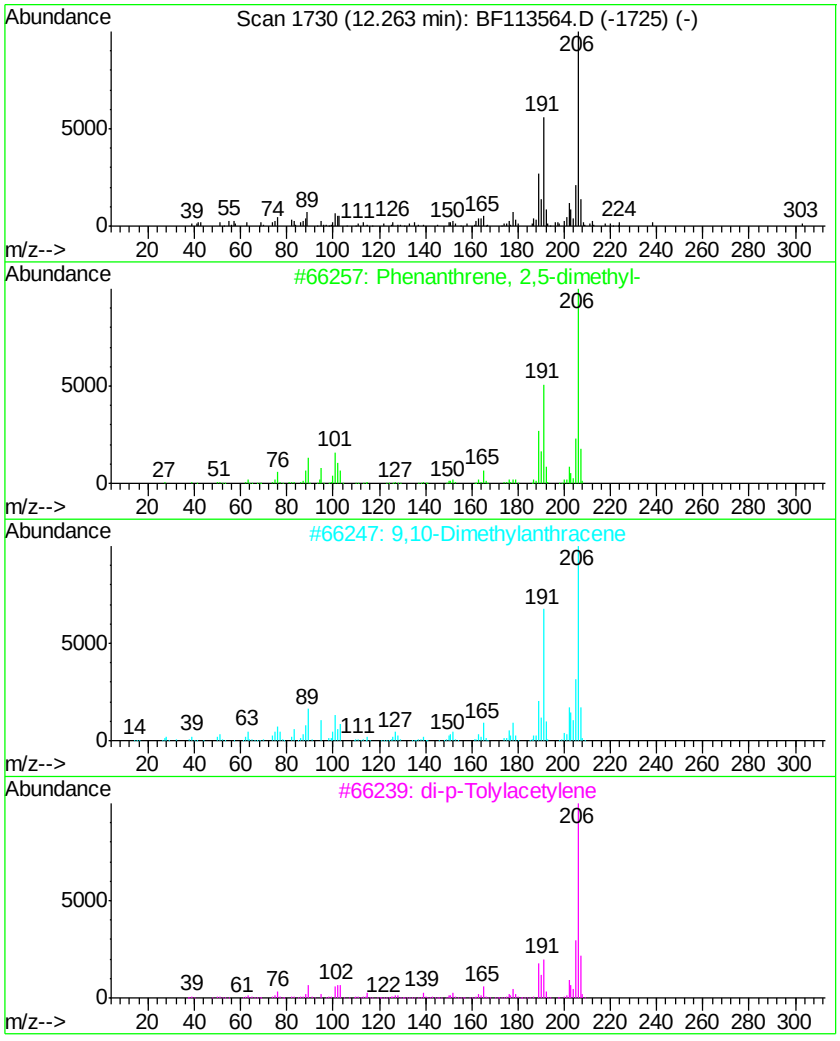
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

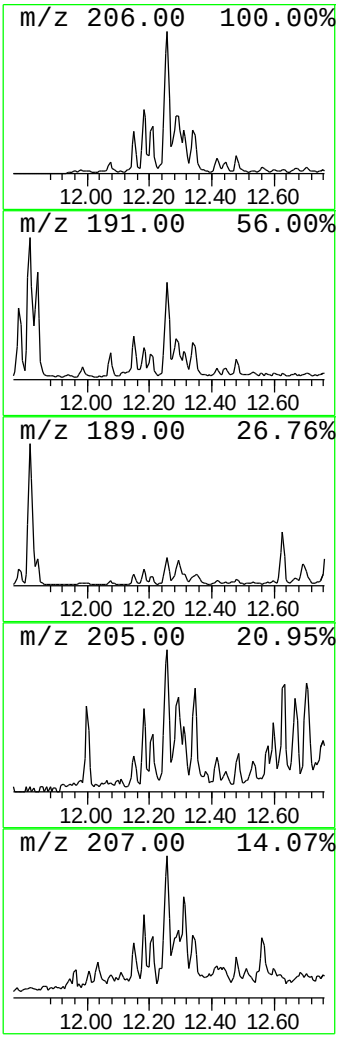
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.44 ng	168686	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

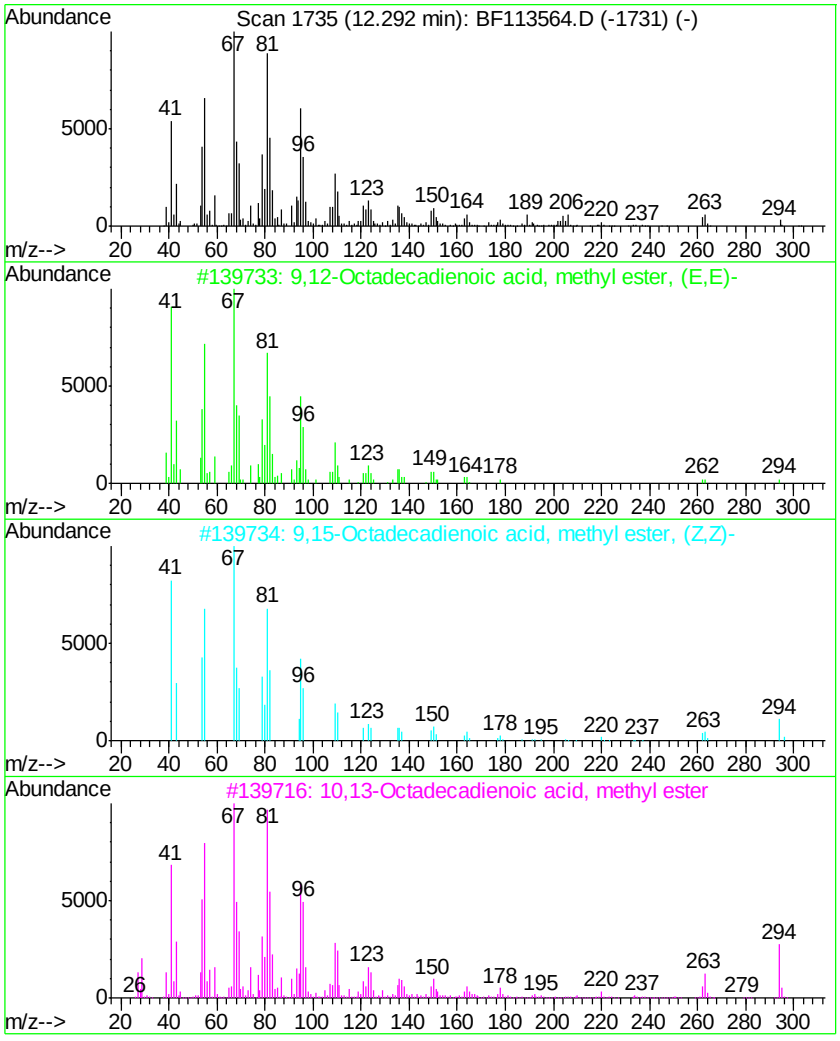
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

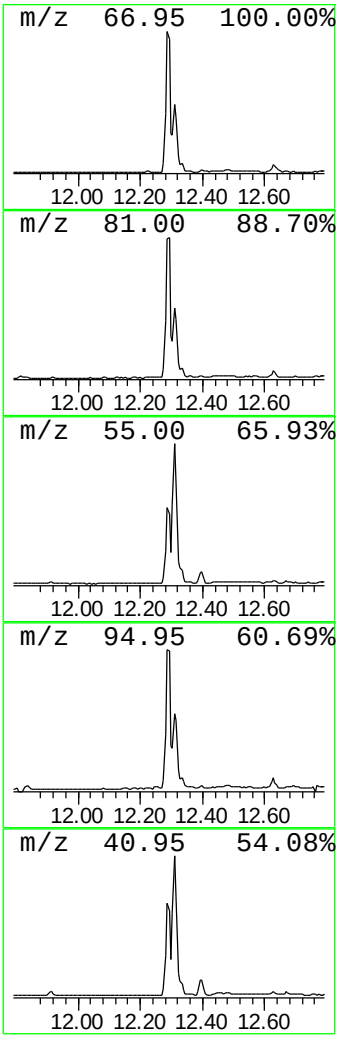
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	39.13 ng	1918400	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

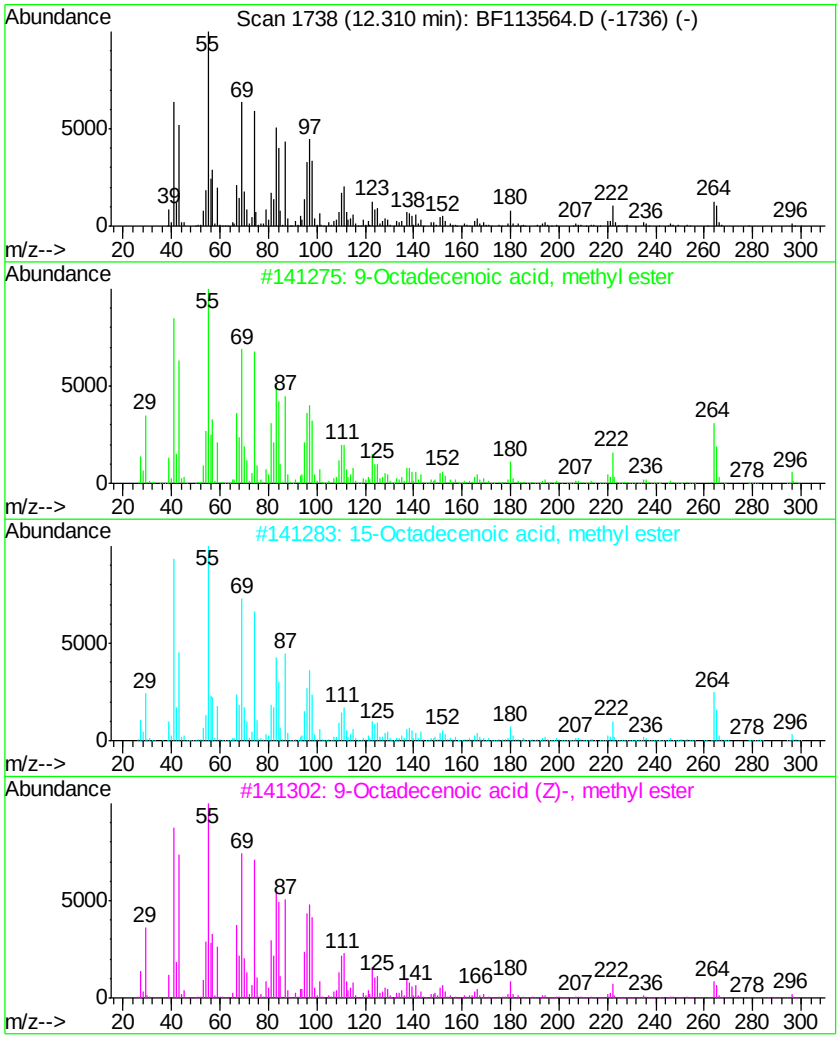
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

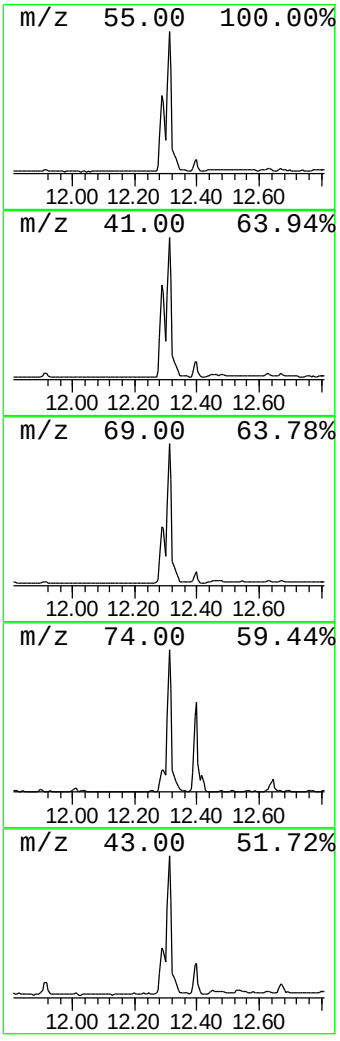
****

Peak Number 10 9-Octadecenoic acid, methyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	42.38 ng	2077650	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
4	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	95
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

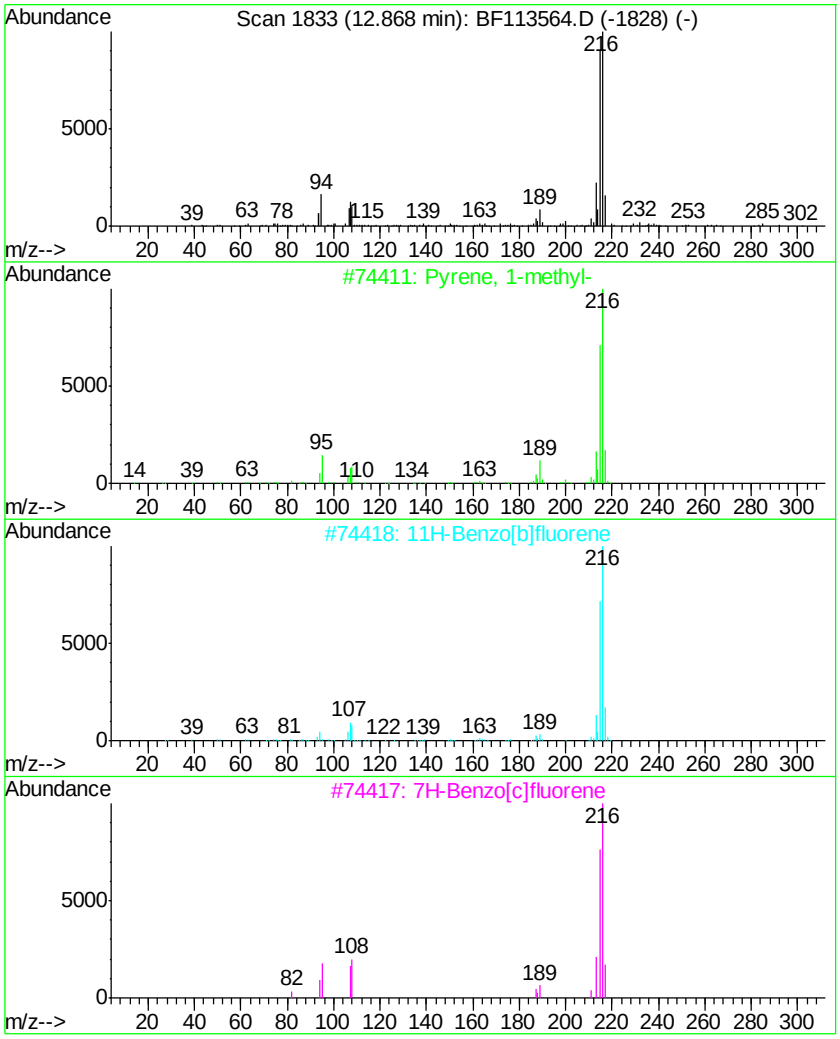
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

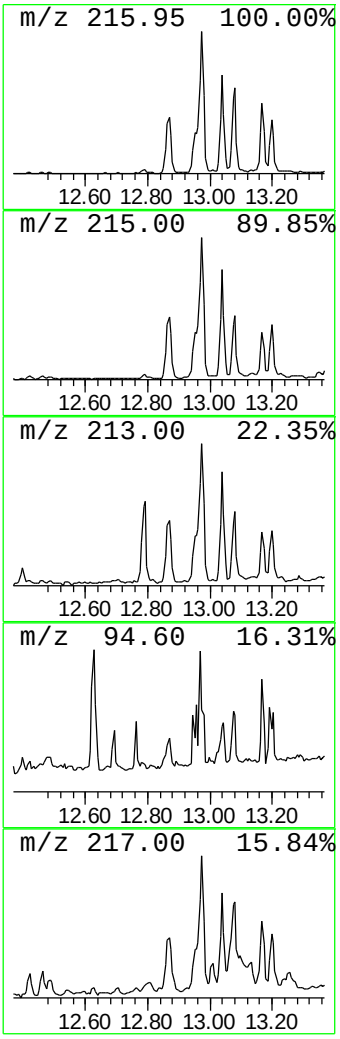
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.42 ng	234858	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

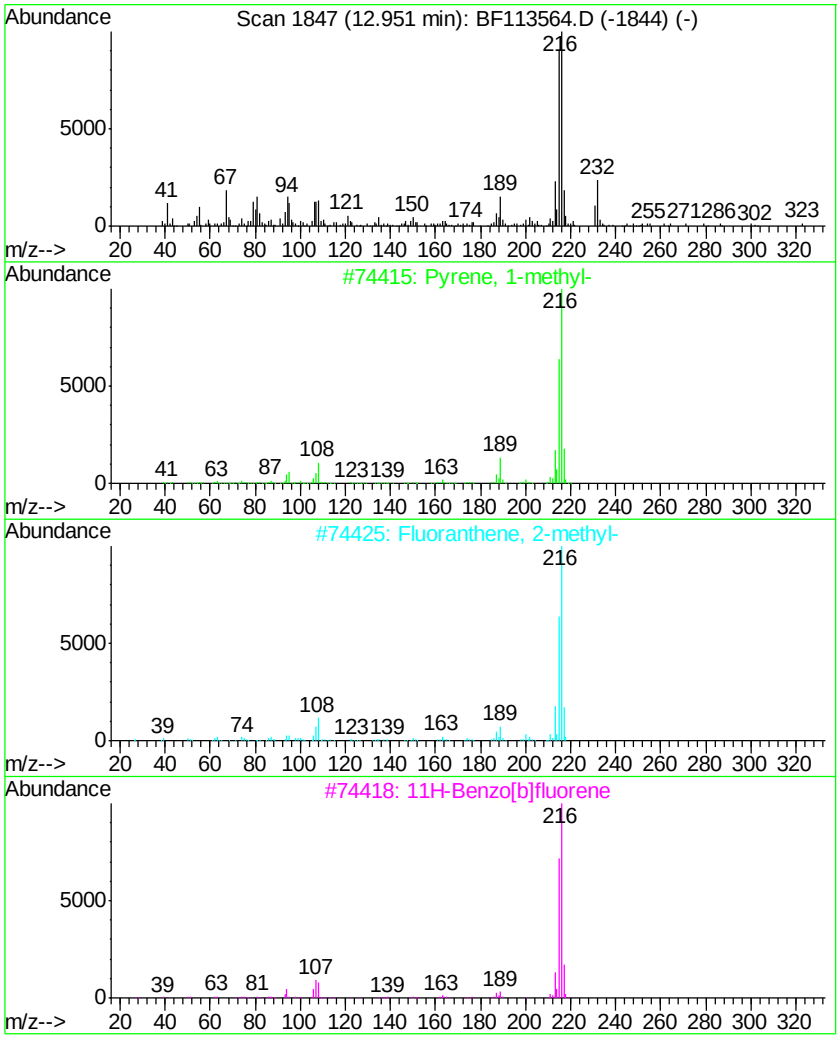
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

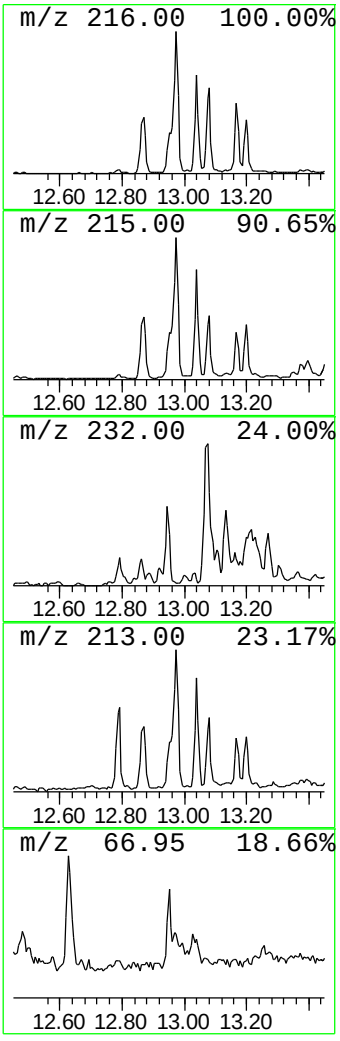
****

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.54 ng	246003	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

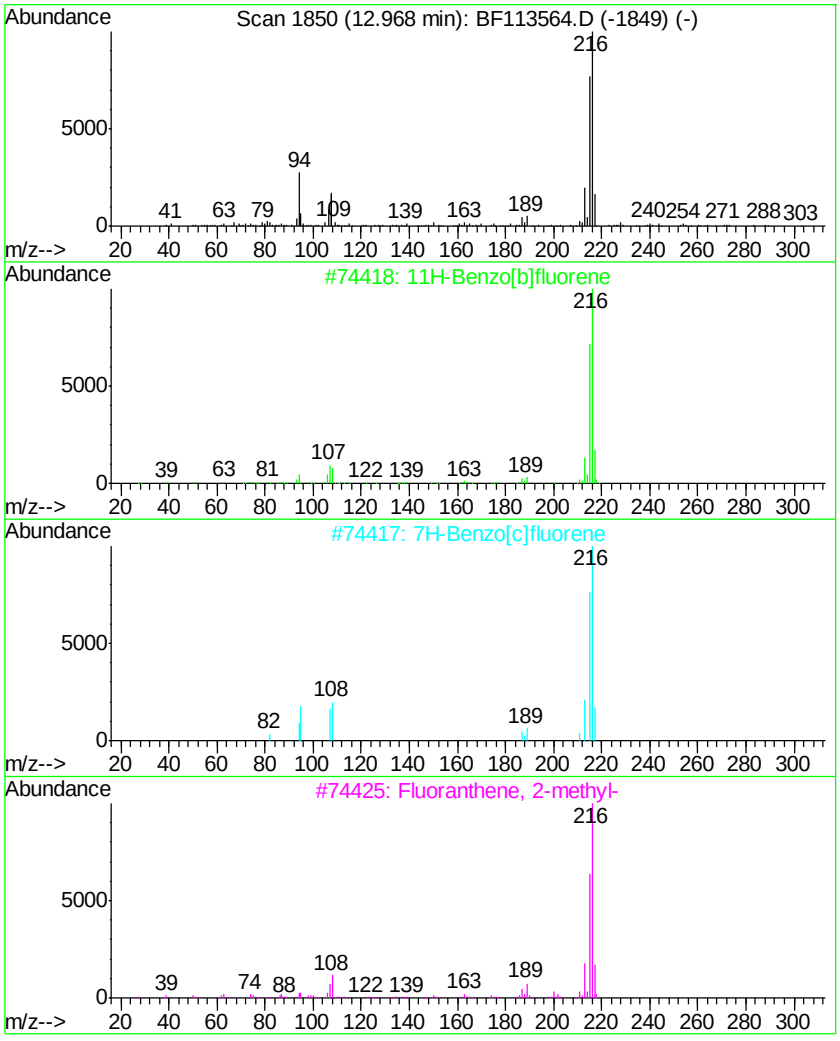
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

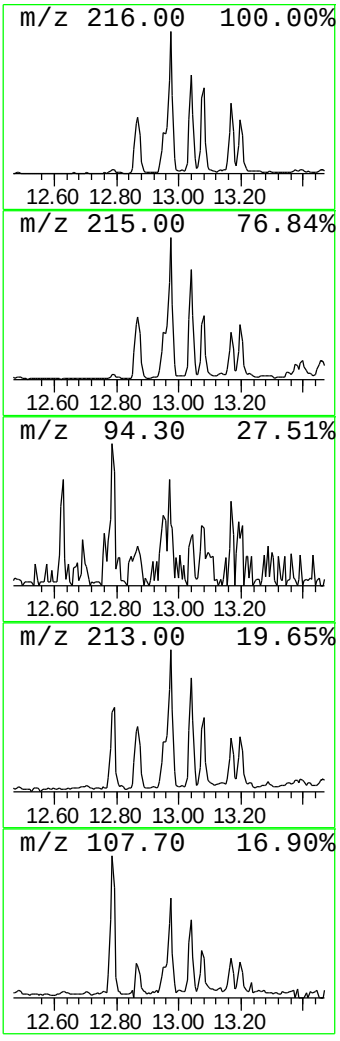
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	3.07 ng	297782	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

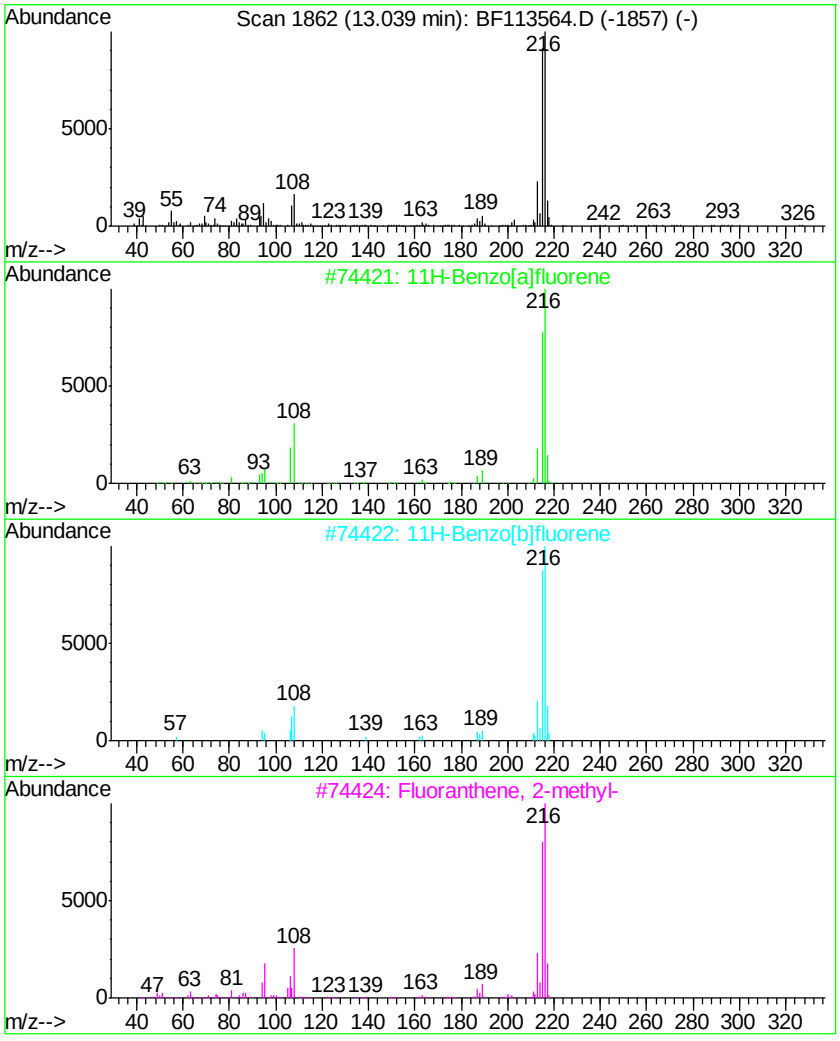
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

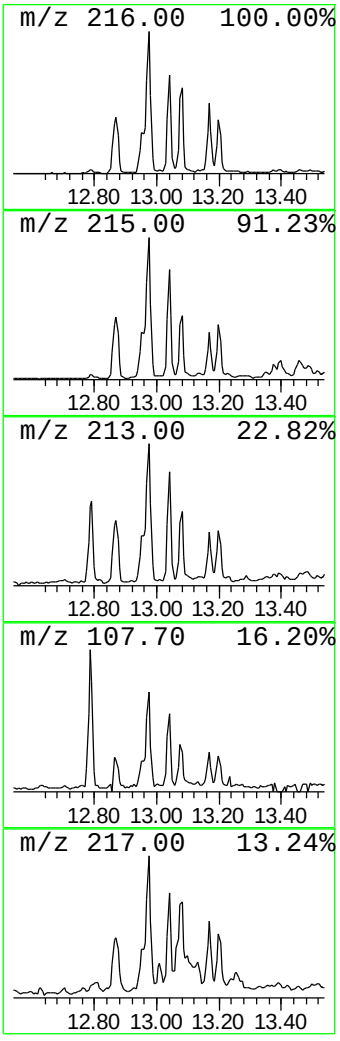
****

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	3.46 ng	335320	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

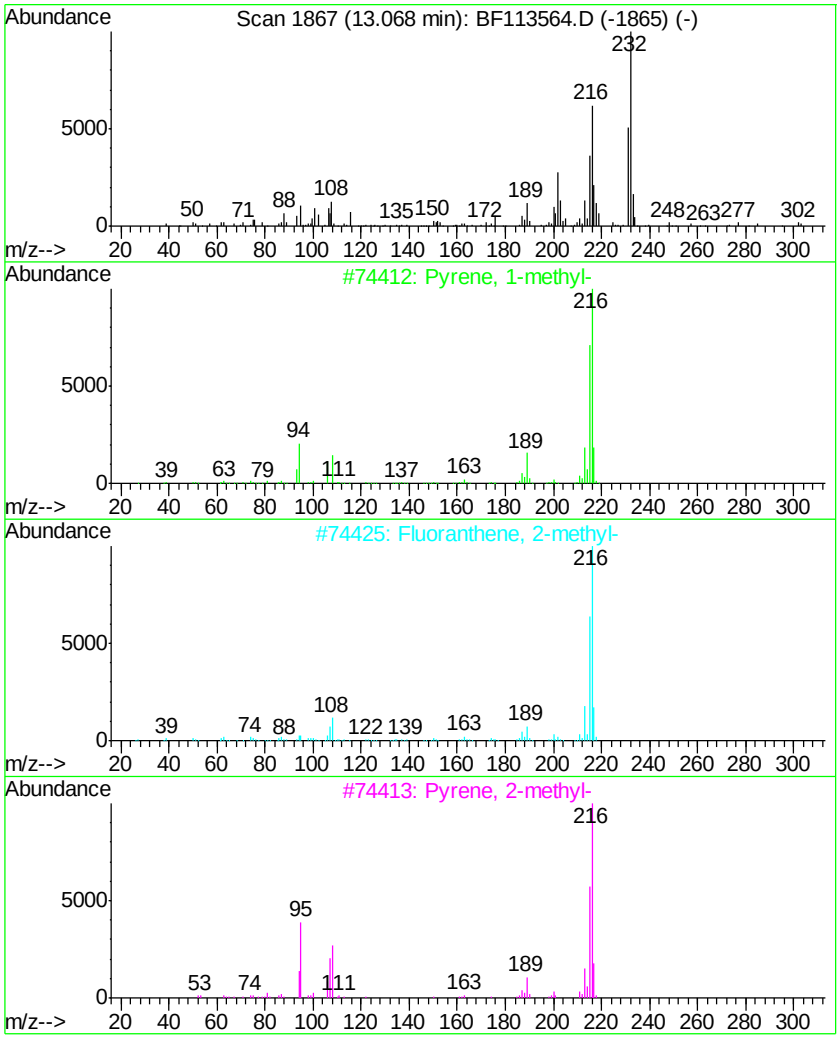
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

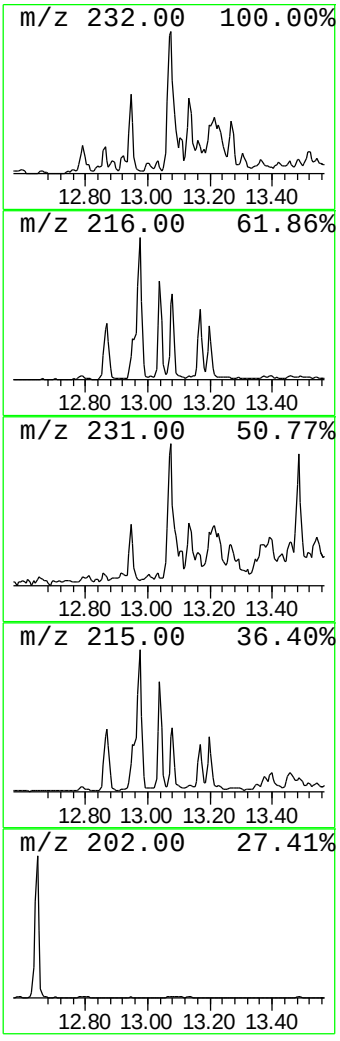
****

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.58 ng	250033	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

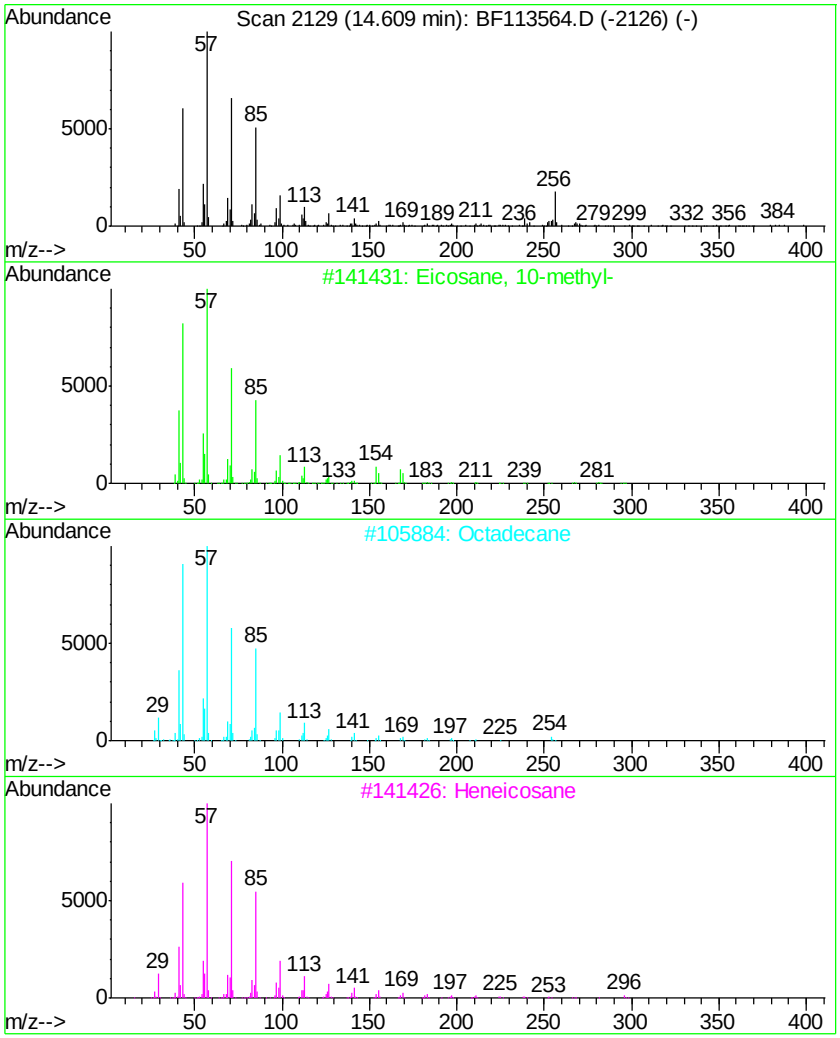
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

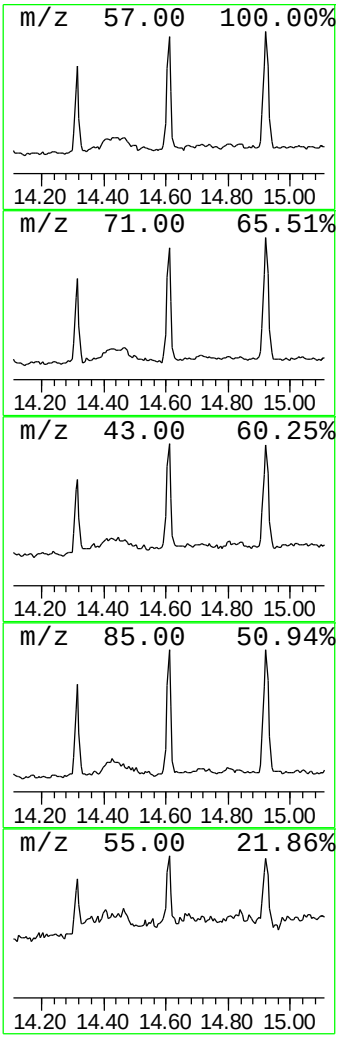
****

Peak Number 16 Eicosane, 10-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	6.17 ng	239267	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Heneicosane	296	C21H44	000629-94-7	87
4	Nonadecane	268	C19H40	000629-92-5	87
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

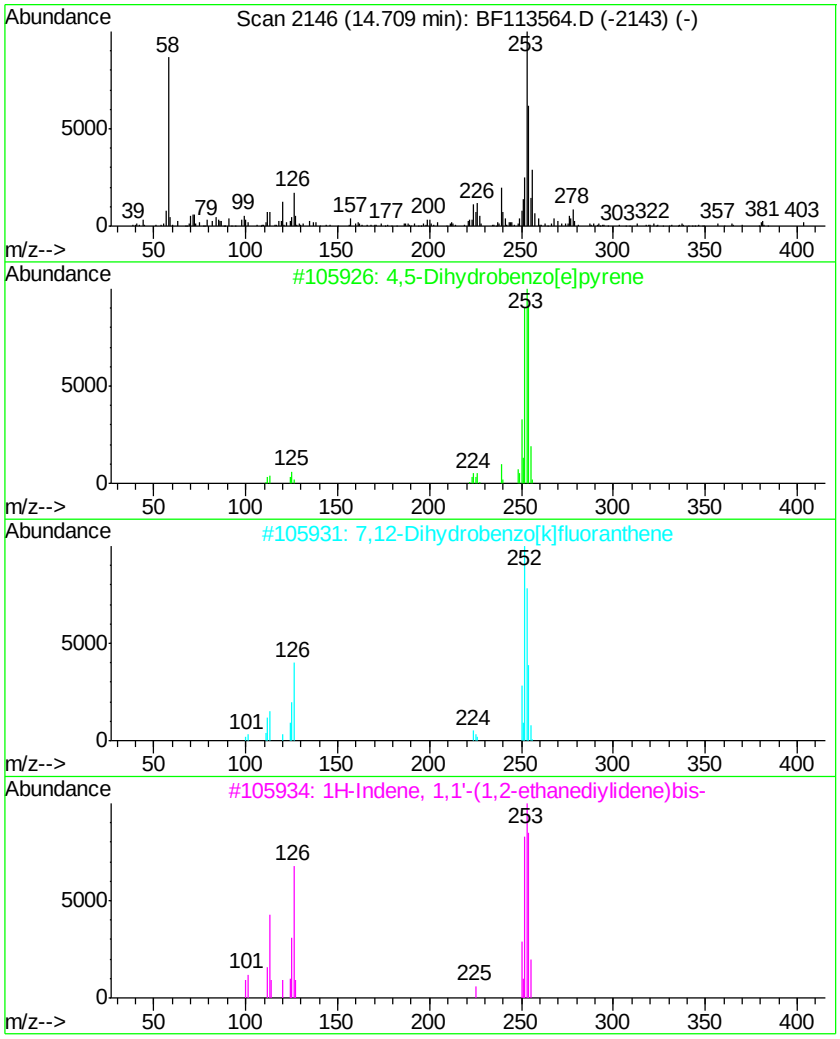
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

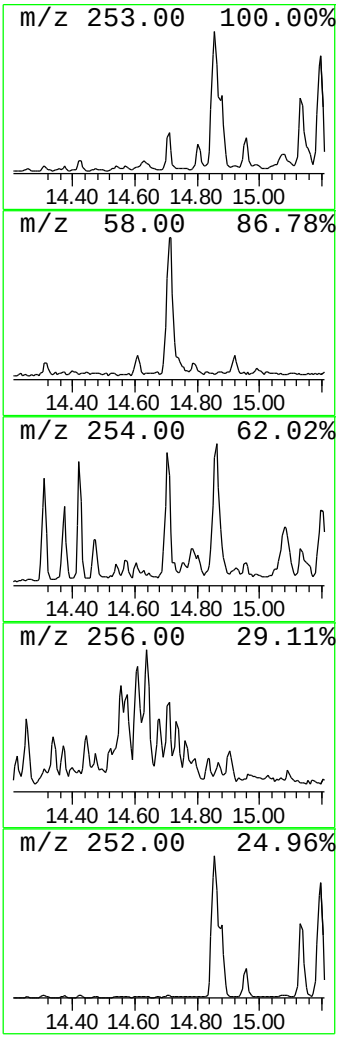
****

Peak Number 17 4,5-Dihydrobenzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	3.19 ng	123904	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	62
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	52
3	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	49
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	47
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

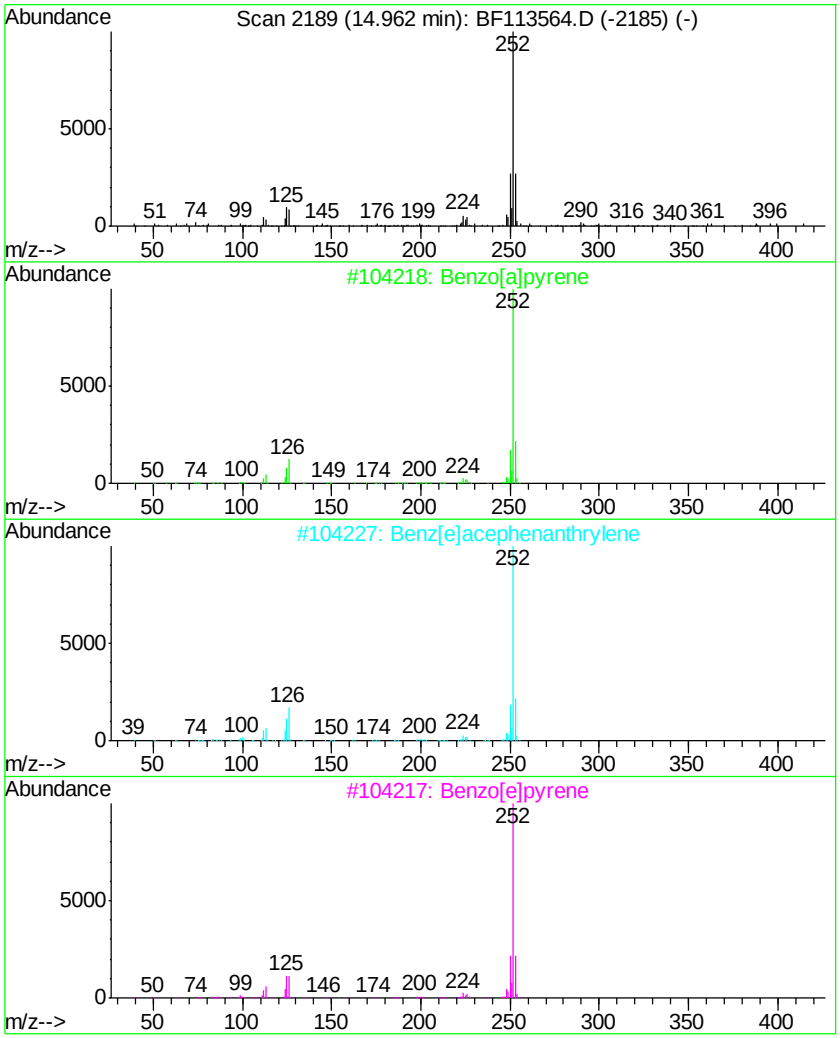
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

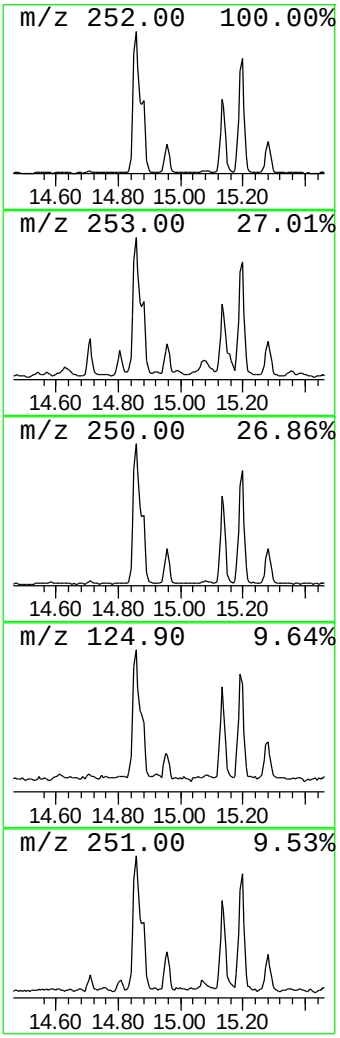
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.86 ng	110925	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

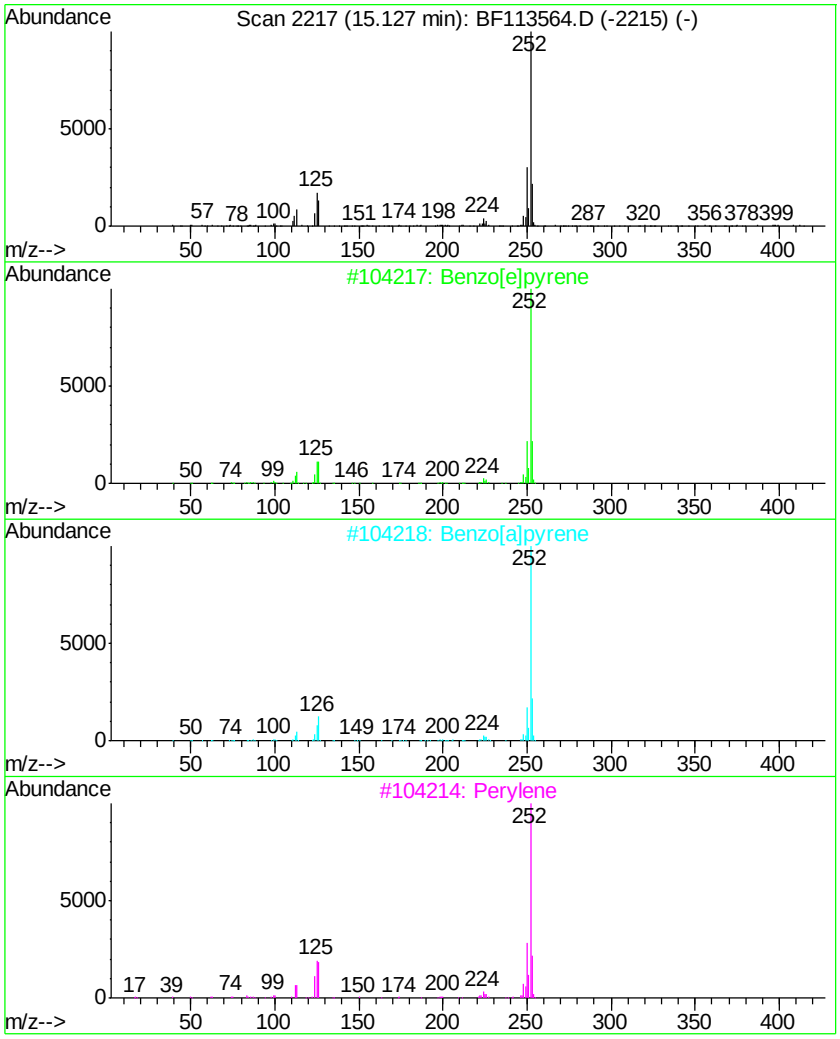
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

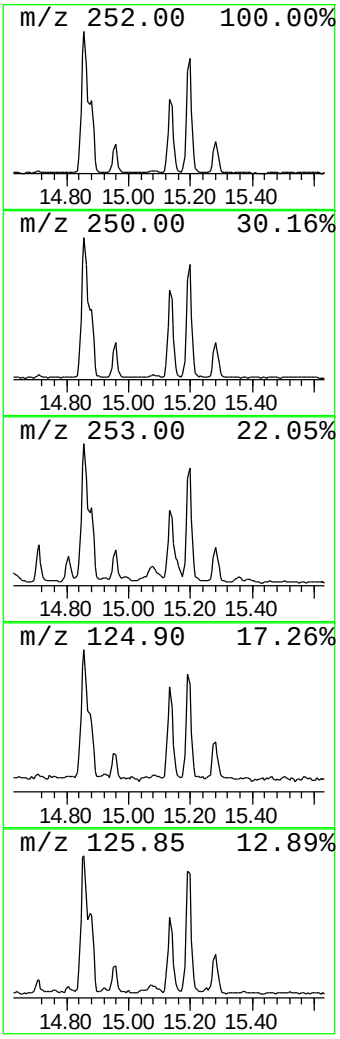
****

Peak Number 19 Benz[e]acephenanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	11.56 ng	448130	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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

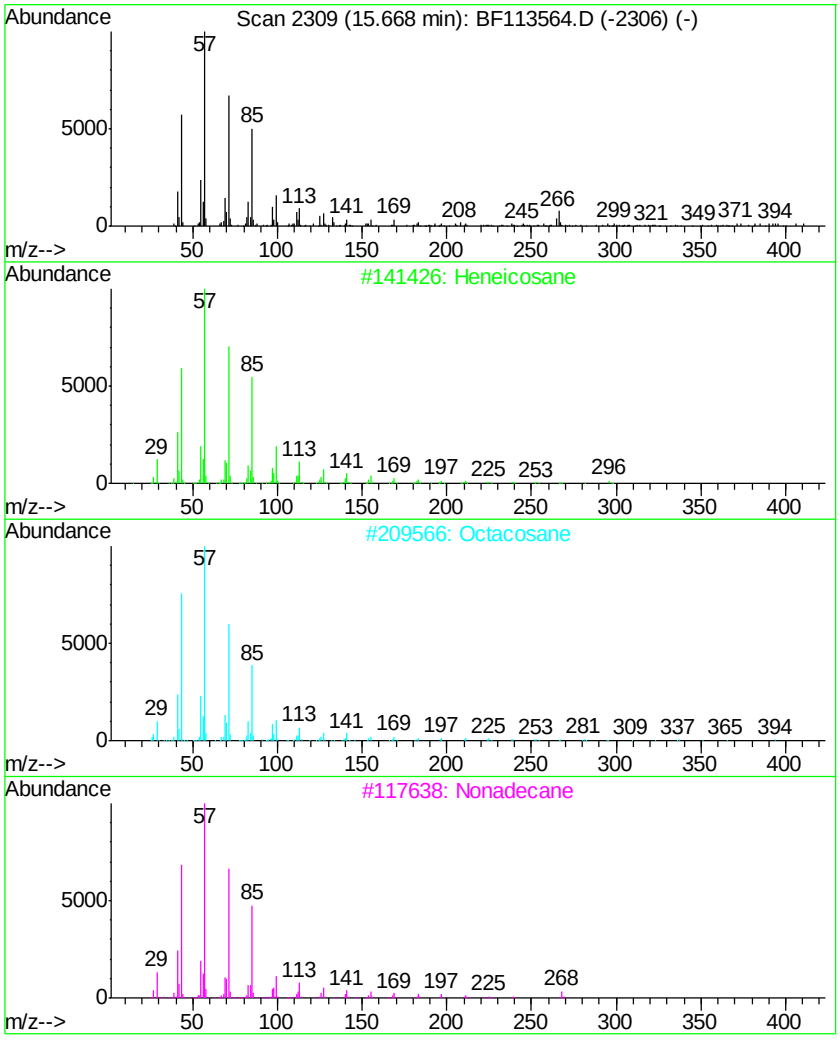
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

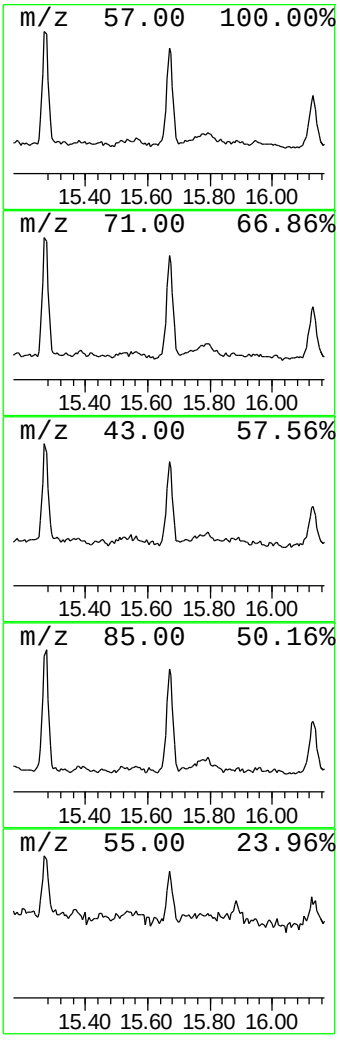
****

Peak Number 20 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.60 ng	217113	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	81
2	Octacosane	394	C28H58	000630-02-4	80
3	Nonadecane	268	C19H40	000629-92-5	60
4	Eicosane	282	C20H42	000112-95-8	58
5	Pentacosane	352	C25H52	000629-99-2	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113564.D
Acq On : 4 Apr 2019 1:18
Operator : JU/SJ
Sample : K2203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-040219-A

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
unknown6.46	6.46	66.0	ng	2820580	1	6.69	855289	20.0
3-Methyl-4-(metho...	10.63	3.4	ng	167634	4	11.20	980588	20.0
Hexadecanoic acid...	11.60	16.3	ng	797124	4	11.20	980588	20.0
Phenanthrene, 2-m...	11.70	2.9	ng	142499	4	11.20	980588	20.0
Anthracene, 2-met...	11.73	4.9	ng	241934	4	11.20	980588	20.0
4H-Cyclopenta[def...	11.82	7.1	ng	347193	4	11.20	980588	20.0
Phenanthrene, 2,5...	12.26	3.4	ng	168686	4	11.20	980588	20.0
9,12-Octadecadien...	12.29	39.1	ng	1918400	4	11.20	980588	20.0
9-Octadecenoic ac...	12.31	42.4	ng	2077650	4	11.20	980588	20.0
Pyrene, 1-methyl-	12.87	2.4	ng	234858	5	13.84	1938710	20.0
Fluoranthene, 2-m...	12.95	2.5	ng	246003	5	13.84	1938710	20.0
11H-Benzo[b]fluorene	12.97	3.1	ng	297782	5	13.84	1938710	20.0
11H-Benzo[a]fluorene	13.04	3.5	ng	335320	5	13.84	1938710	20.0
Pyrene, 4-methyl-	13.07	2.6	ng	250033	5	13.84	1938710	20.0
Eicosane, 10-methyl-	14.61	6.2	ng	239267	6	15.25	775627	20.0
4,5-Dihydrobenzo[...	14.71	3.2	ng	123904	6	15.25	775627	20.0
Benzo[e]pyrene	14.96	2.9	ng	110925	6	15.25	775627	20.0
Benz[e]acephenant...	15.13	11.6	ng	448130	6	15.25	775627	20.0
Heneicosane	15.67	5.6	ng	217113	6	15.25	775627	20.0