LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-101420

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.946	483	486	492	rBV	14224	22026	1.74%	0.124%
2	5.357	553	556	581	rBV	858400	1150435	90.79%	6.461%
3	6.387	728	731	760	rBV	1021274	1223256	96.53%	6.870%
4	6.622	766	771	774	rBV4	8280	15993	1.26%	0.090%
5	6.740	788	791	800	rBV	744727	649048	51.22%	3.645%
6	7.310	884	888	902	rBV	750809	804870	63.52%	4.520%
7	8.028	1006	1010	1031	rVB	810901	853495	67.35%	4.793%
8	9.098	1188	1192	1203	rBV	1421639	1267169	100.00%	7.116%
9	9.498	1252	1260	1268	rBV	184453	192681	15.21%	1.082%
10	9.639	1281	1284	1288	rBV	21585	19559	1.54%	0.110%
11	9.775	1304	1307	1321	rVB	989263	959198	75.70%	5.387%
12	10.022	1346	1349	1353	rVB2	13932	13949	1.10%	0.078%
13	10.092	1358	1361	1365	rBV2	15099	17211	1.36%	0.097%
14	10.180	1372	1376	1378	rBV2	16113	17724	1.40%	0.100%
15	10.328	1397	1401	1407	rVB3	16218	25206	1.99%	0.142%
16	10.392	1407	1412	1414	rBV	12554	22230	1.75%	0.125%
17	10.569	1439	1442	1452	rBV	590542	610511	48.18%	3.429%
18	10.686	1458	1462	1469	rVB6	25798	47614	3.76%	0.267%
19	10.875	1490	1494	1496	rBV3	19788	27277	2.15%	0.153%
20	11.022	1517	1519	1524	rVB5	13589	14431	1.14%	0.081%
21	11.157	1540	1542	1547	rVB5	19095	24333	1.92%	0.137%
22	11.263	1556	1560	1562	rBV	931981	806892	63.68%	4.531%
23	11.286	1562	1564	1567	rVV	196831	163327	12.89%	0.917%
24	11.339	1571	1573	1576	rVB	51854	41835	3.30%	0.235%
25	11.375	1576	1579	1582	rBV3	13574	17643	1.39%	0.099%
26	11.504	1597	1601	1606	rBV5	22701	46041	3.63%	0.259%
27	11.557	1608	1610	1612	rVV2	34527	27074	2.14%	0.152%
28	11.592	1613	1616	1622	rVB2	32362	36076	2.85%	0.203%
29	11.763	1642	1645	1648	rBV	111322	94993	7.50%	0.533%
30	11.792	1648	1650	1654	rVB	131370	109378	8.63%	0.614%
31	11.839	1655	1658	1661	rBV	41960	43002	3.39%	0.241%
32	11.874	1661	1664	1666	rVV2	149980	163358	12.89%	0.917%
33	11.898	1666	1668	1672	rVB	104587	85344	6.74%	0.479%
34	11.945	1674	1676	1682	rBV6	17304	29469	2.33%	0.165%
35	11.998	1682	1685	1688	rBV4	24351	24711	1.95%	0.139%
36	12.057	1692	1695	1699	rVV	66610	73772	5.82%	0.414%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-101420

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.098	1699	1702	1705	rVV2	48681	51765	4.09%	0.291%
38	12.133	1705	1708	1710	rVB	18999	15213	1.20%	0.085%
39	12.186	1715	1717	1718	rBV2	22926	18225	1.44%	0.102%
40	12.204	1718	1720	1723	rVV	38464	37835	2.99%	0.212%
41	12.239	1723	1726	1728	rVV	41347	36324	2.87%	0.204%
42	12.263	1728	1730	1733	rVB2	28420	22932	1.81%	0.129%
43	12.310	1735	1738	1741	rBV	133429	144664	11.42%	0.812%
44	12.351	1741	1745	1750	rVV3	79379	158805	12.53%	0.892%
45	12.404	1750	1754	1758	rVV2	71598	103072	8.13%	0.579%
46	12.474	1762	1766	1769	rBV	426275	362422	28.60%	2.035%
47	12.516	1771	1773	1775	rVV	39847	38168	3.01%	0.214%
48	12.539	1775	1777	1781	rVB3	38708	35564	2.81%	0.200%
49	12.621	1788	1791	1794	rBV4	34242	42455	3.35%	0.238%
50	12.651	1794	1796	1799	rVB3	26454	24865	1.96%	0.140%
51	12.704	1799	1805	1811	rBV	617447	634510	50.07%	3.563%
52	12.757	1811	1814	1818	rVB3	58019	68522	5.41%	0.385%
53	12.845	1825	1829	1832	rBV	958559	897840	70.85%	5.042%
54	12.921	1838	1842	1848	rBV3	111184	173628	13.70%	0.975%
55	12.974	1849	1851	1854	rBV2	36351	35242	2.78%	0.198%
56	13.016	1854	1858	1859	rBV3	95103	128763	10.16%	0.723%
57	13.074	1866	1868	1870	rBV3	16903	15926	1.26%	0.089%
58	13.098	1870	1872	1875	rVV2	38879	39043	3.08%	0.219%
59	13.139	1875	1879	1886	rVB	137603	175696	13.87%	0.987%
60	13.192	1886	1888	1891	rVB3	20127	14888	1.17%	0.084%
61	13.227	1891	1894	1897	rBV	133523	117788	9.30%	0.661%
62	13.257	1897	1899	1903	rBV	121444	113025	8.92%	0.635%
63	13.386	1918	1921	1922	rBV2	20729	19041	1.50%	0.107%
64	13.410	1923	1925	1927	rBV2	20347	23572	1.86%	0.132%
65	13.516	1941	1943	1945	rBV3	28290	30308	2.39%	0.170%
66	13.545	1945	1948	1952	rVB	114045	117238	9.25%	0.658%
67	13.598	1955	1957	1961	rVB	25374	24501	1.93%	0.138%
68	13.651	1961	1966	1968	rBV2	106970	139410	11.00%	0.783%
69	13.674	1968	1970	1973	rVB	86750	71281	5.63%	0.400%
70	13.704	1973	1975	1977	rBV	47831	39935	3.15%	0.224%
71	13.757	1981	1984	1987	rVB	65305	63945	5.05%	0.359%
72	13.904	2004	2009	2011	rBV2	860567	1089517	85.98%	6.119%
73	13.927	2011	2013	2017	rVB	423350	346361	27.33%	1.945%
74	13.992	2021	2024	2025	rBV2	31012	28799	2.27%	0.162%
75	14.010	2025	2027	2029	rBV	28325	17768	1.40%	0.100%
76	14.063	2033	2036	2037	rBV2	45691	52399	4.14%	0.294%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-101420

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.221	2061	2063	2066	rBV2	36462	35700	2.82%	0.200%
78	14.251	2066	2068	2070	rBV	55220	55695	4.40%	0.313%
79	14.292	2070	2075	2078	rVV	177040	223806	17.66%	1.257%
80	14.321	2078	2080	2083	rVB	101895	89237	7.04%	0.501%
81	14.416	2093	2096	2098	rBV	95036	82025	6.47%	0.461%
82	14.774	2155	2157	2160	rVB2	60917	62937	4.97%	0.353%
83	14.933	2180	2184	2186	rBV2	244149	332500	26.24%	1.867%
84	15.221	2229	2233	2239	rVB	193613	234827	18.53%	1.319%
85	15.280	2239	2243	2248	rBV	294421	354805	28.00%	1.993%
86	15.339	2249	2253	2257	rBV	547424	674210	53.21%	3.786%
87	16.751	2490	2493	2500	rVB	95535	167726	13.24%	0.942%
88	17.180	2562	2566	2575	rVB	80314	180476	14.24%	1.014%

Sum of corrected areas: 17806330

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
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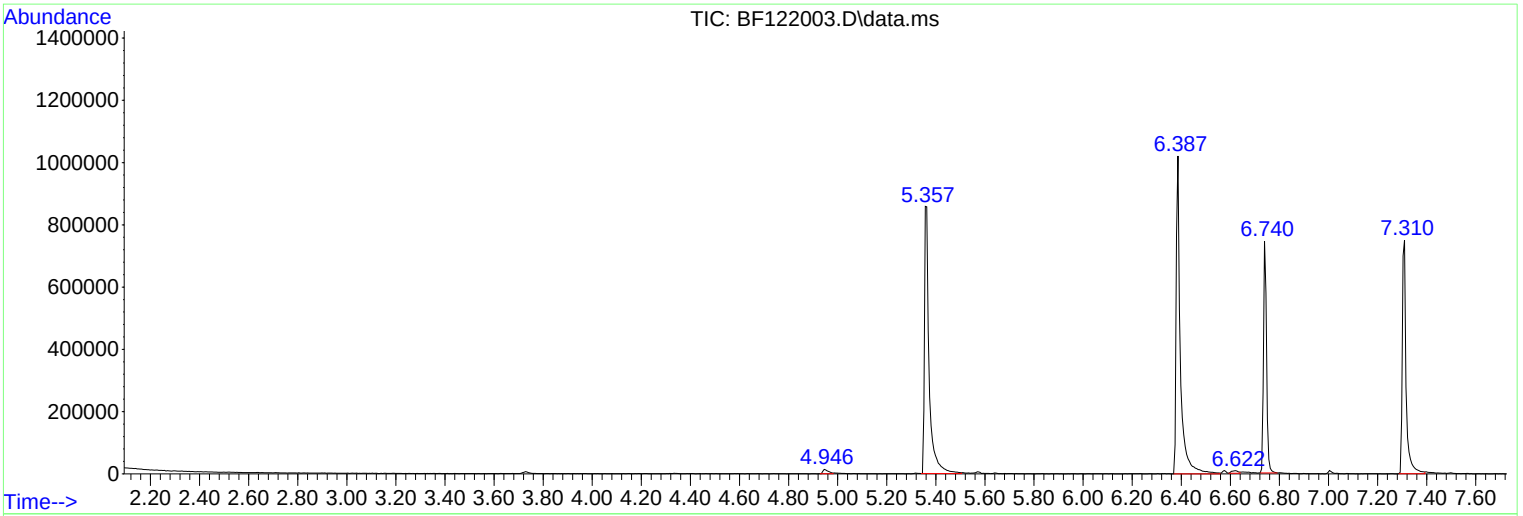
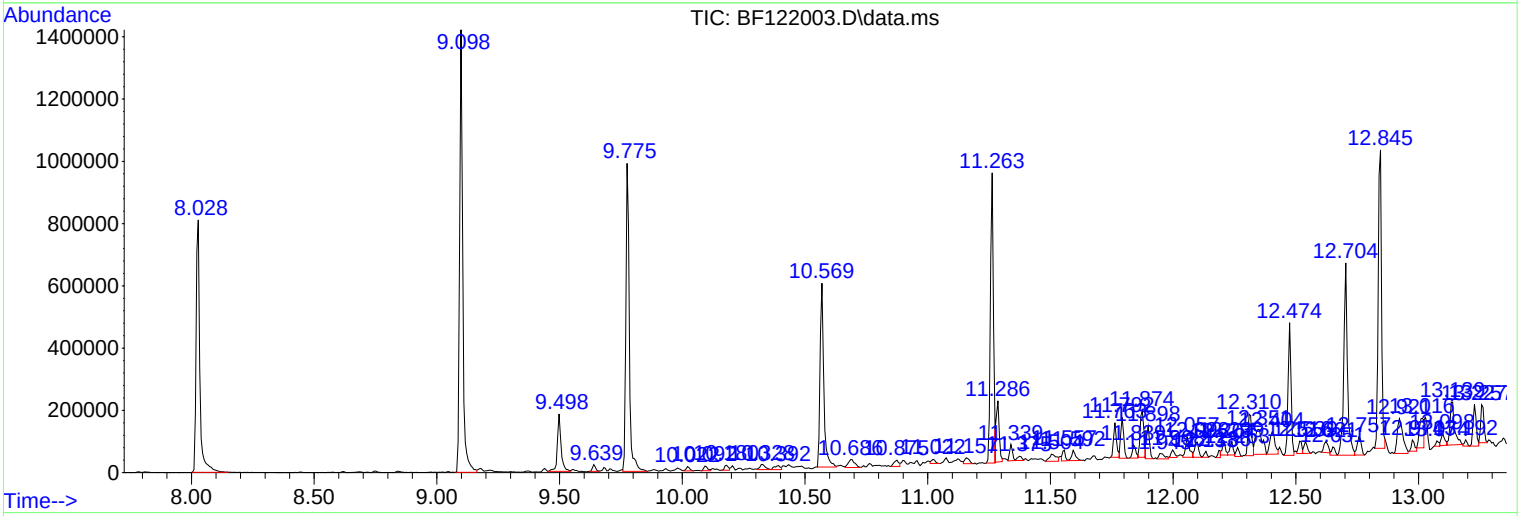
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

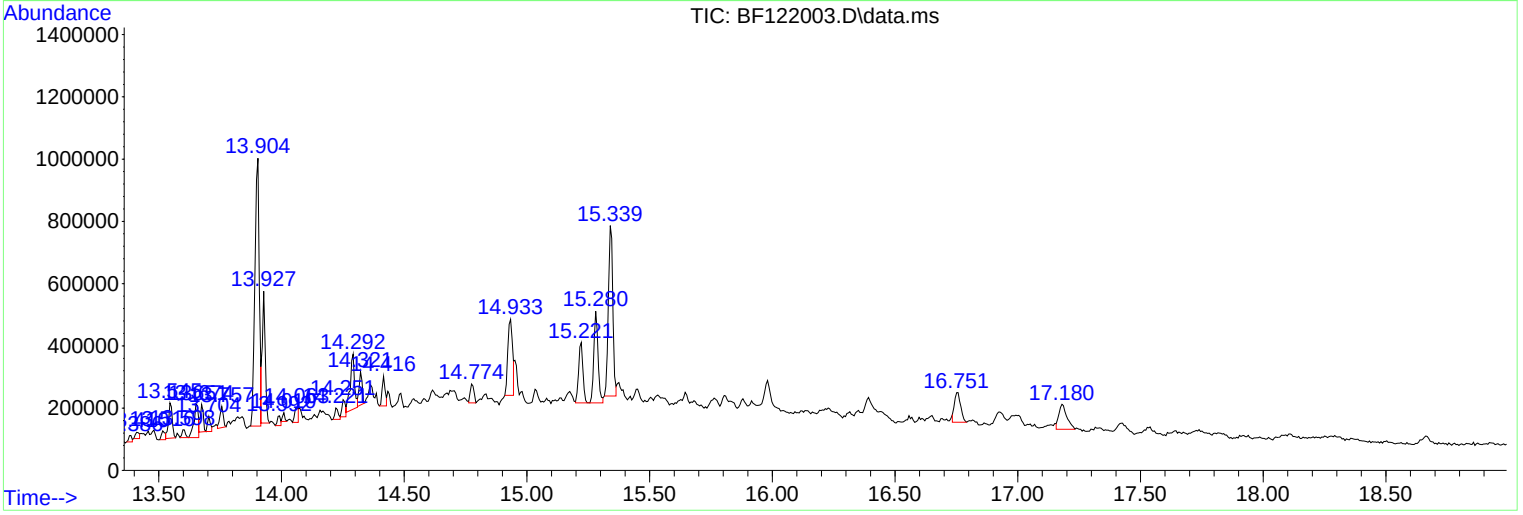
Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

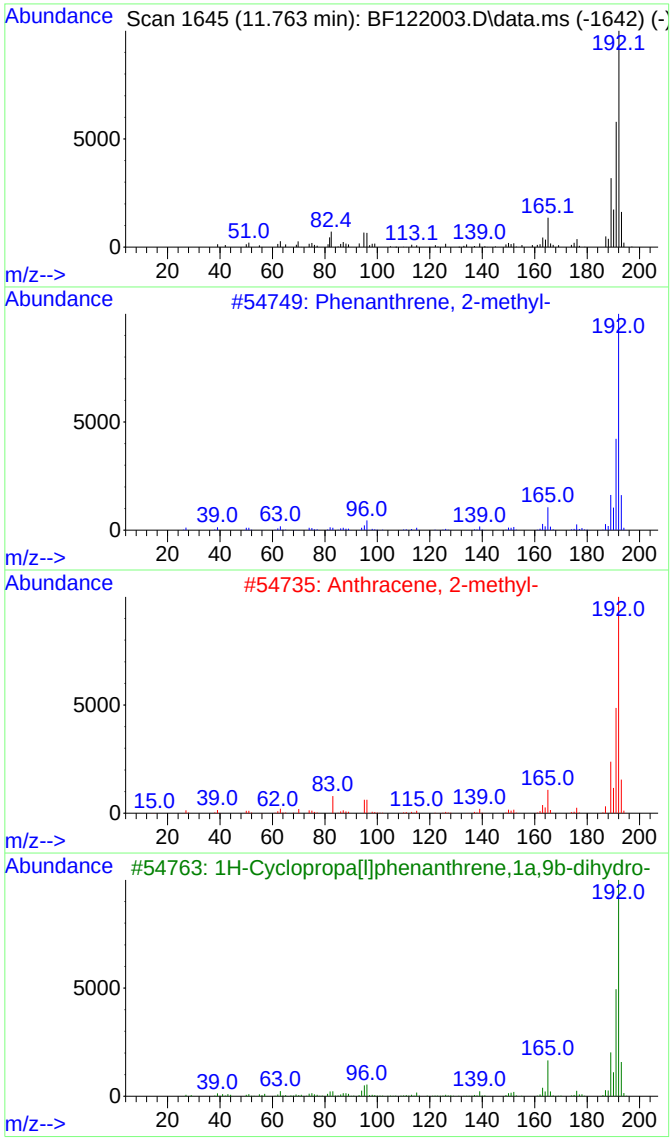
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

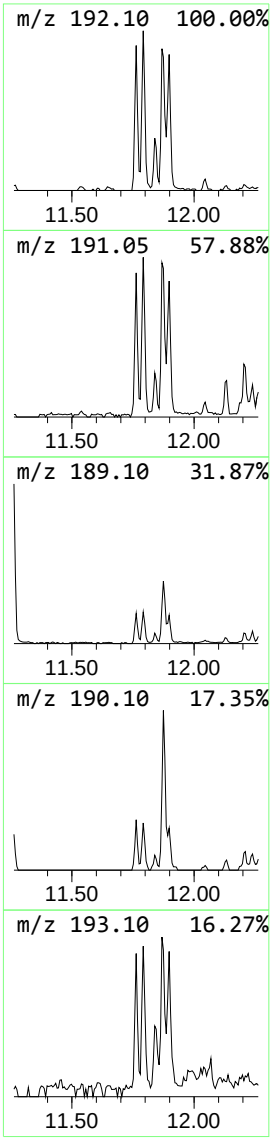
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	2.35 ng	94993	Phenanthrene-d10	11.263

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

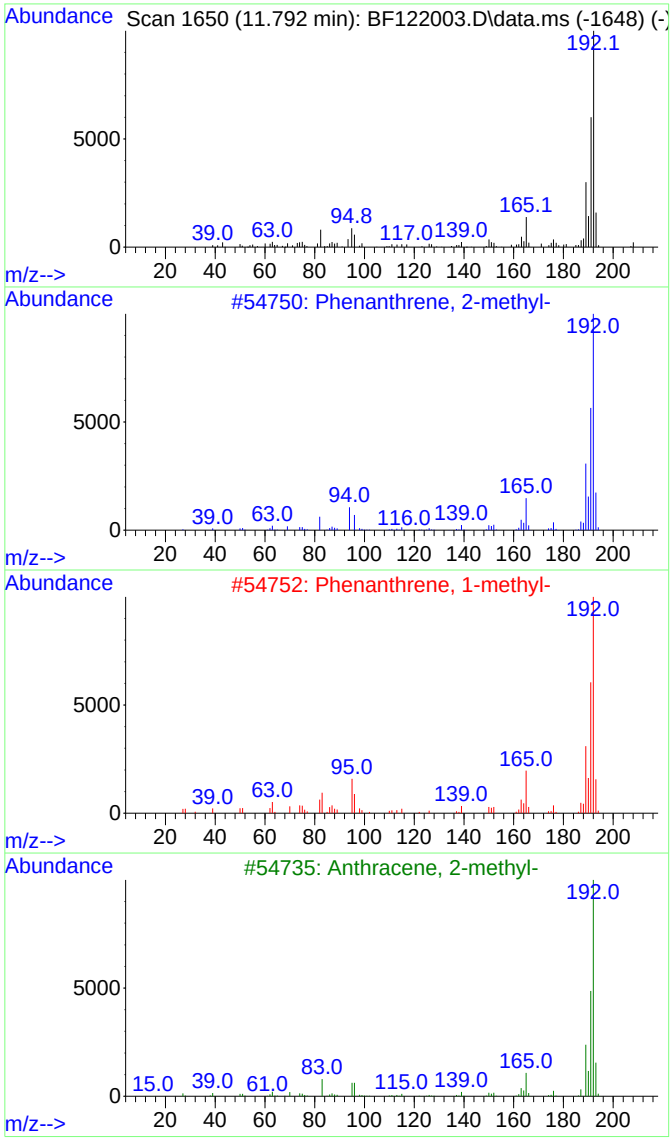
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

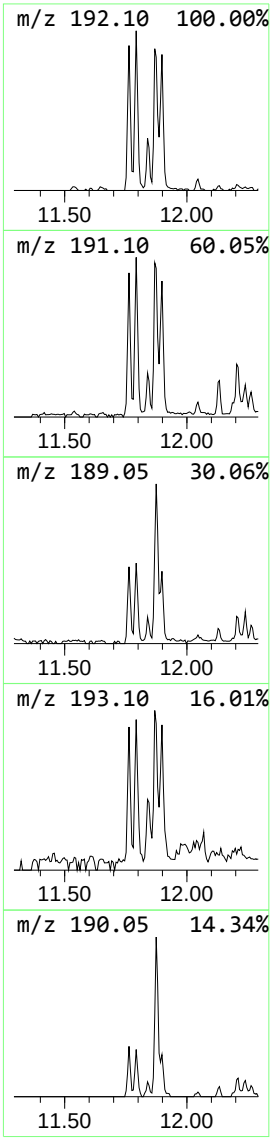
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	2.71 ng	109378	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

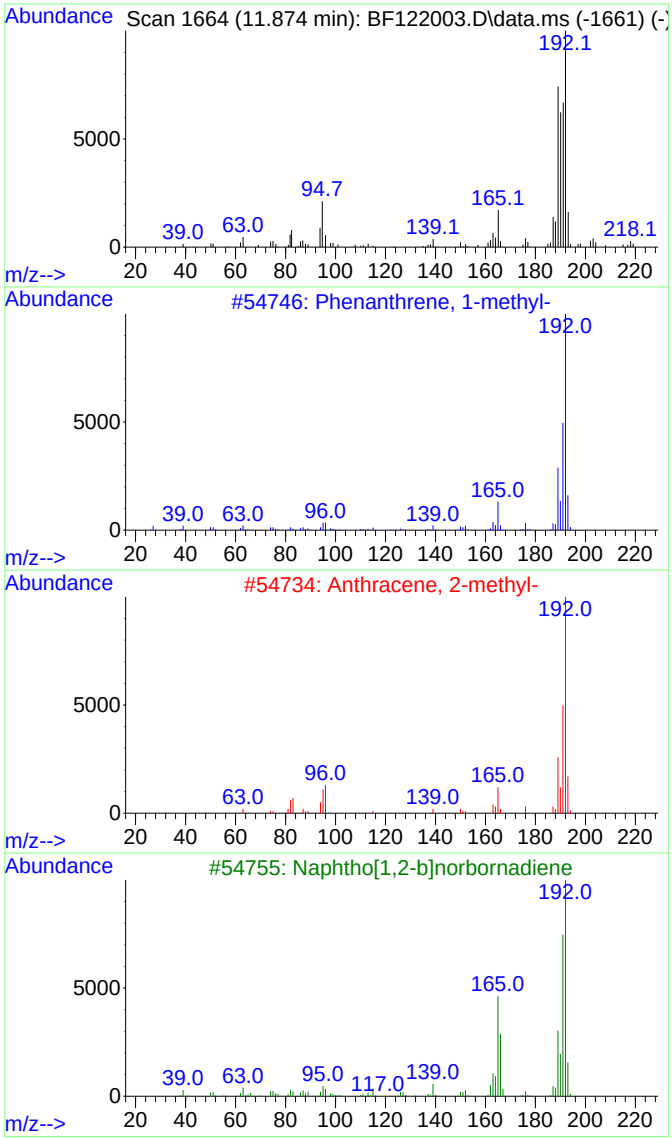
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

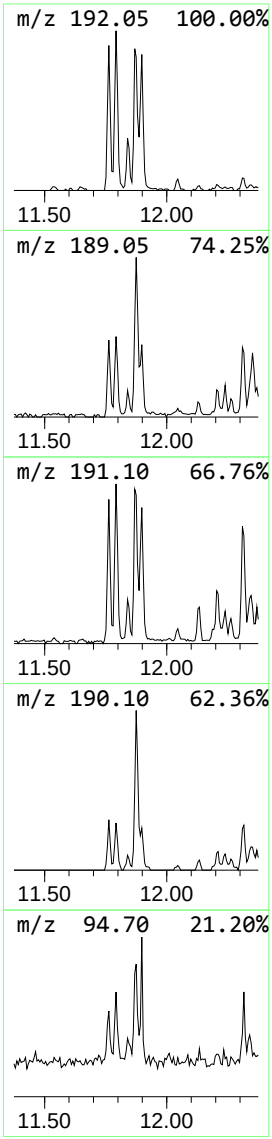
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	4.05 ng	163358	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

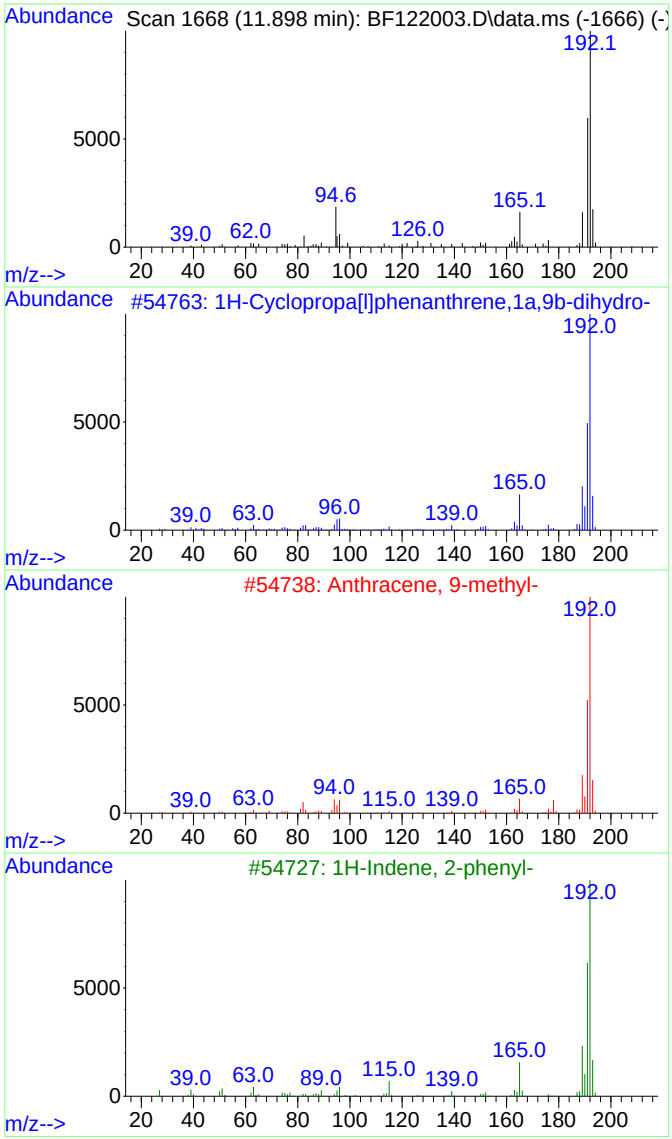
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

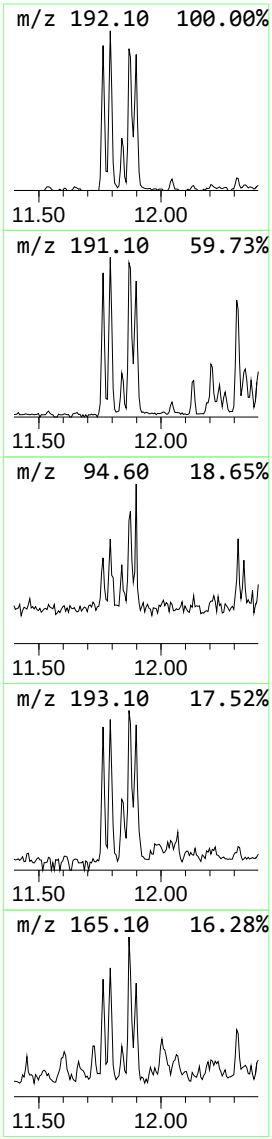
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	2.12 ng	85344	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

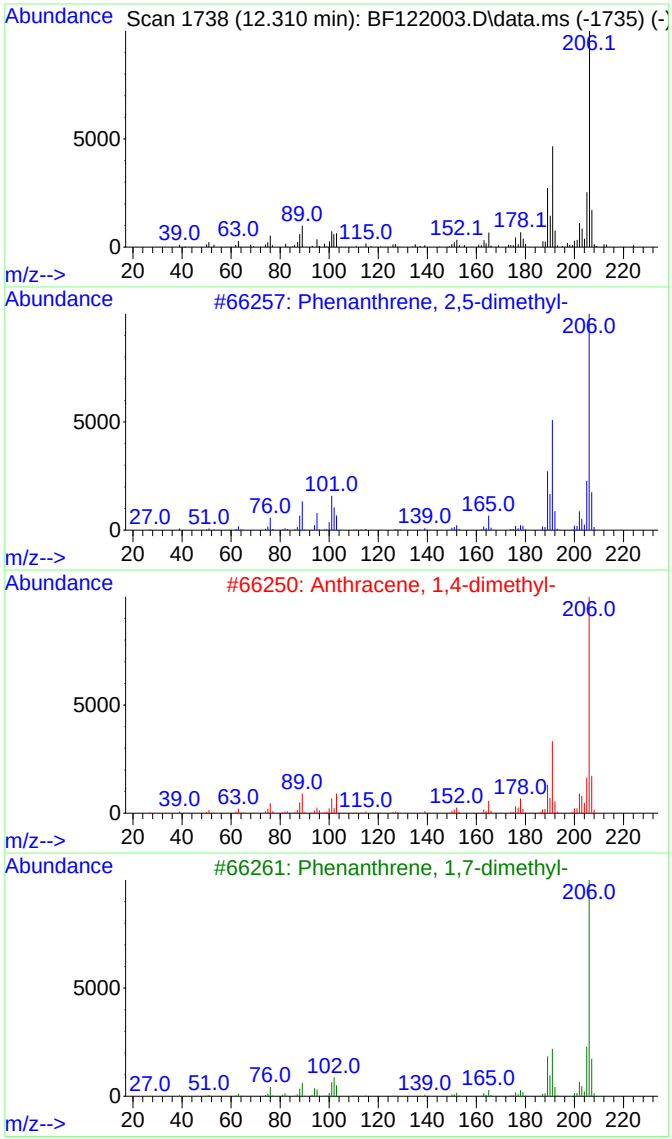
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

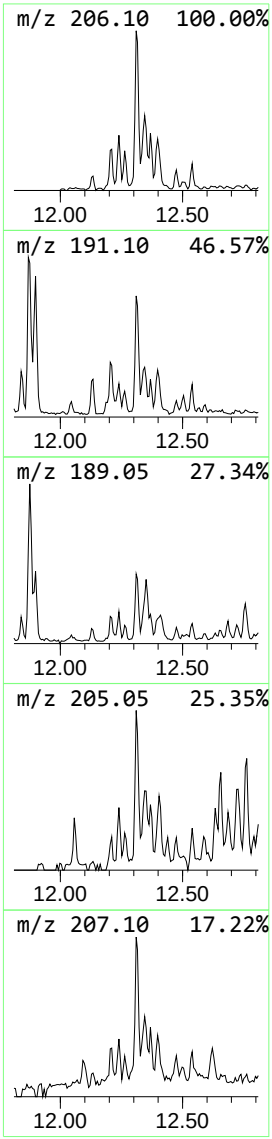
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	3.59 ng	144664	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

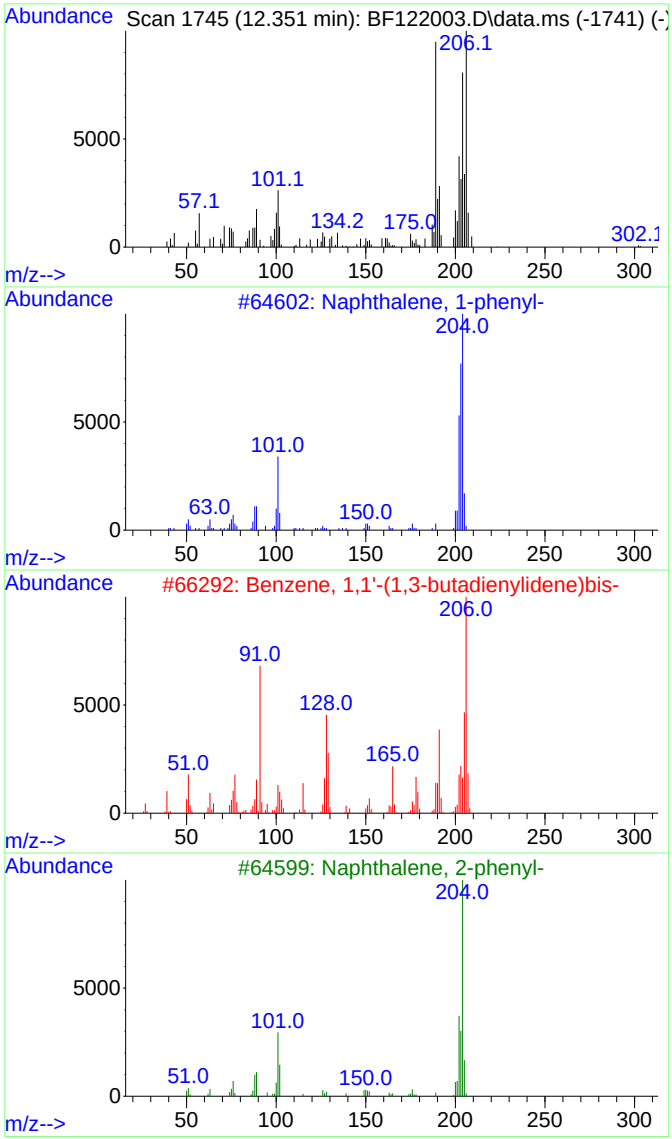
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

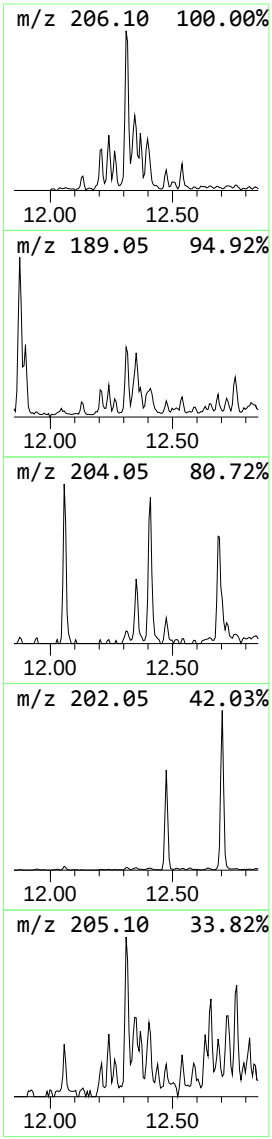
****

Peak Number 6 unknown12.351 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.351	3.94 ng	158805	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





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Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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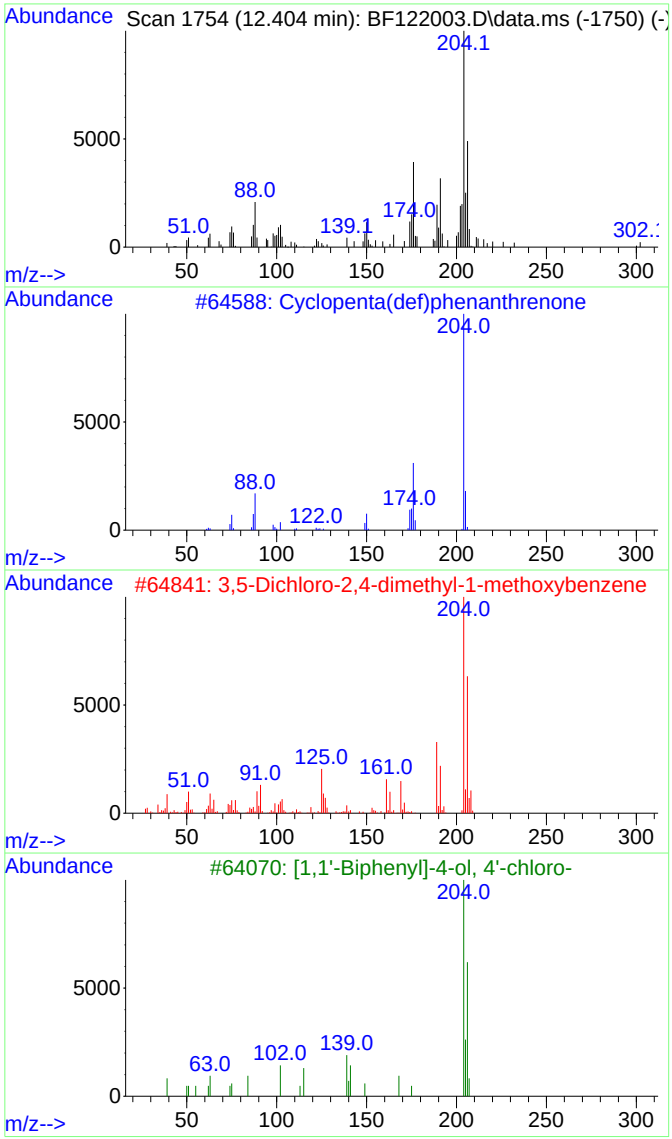
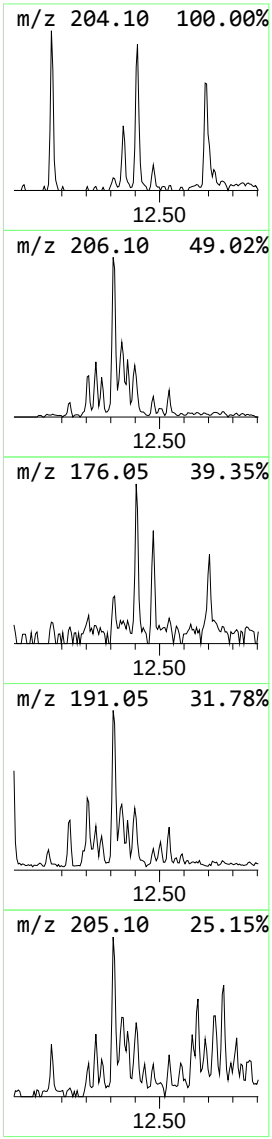
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	2.55 ng	103072	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35





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Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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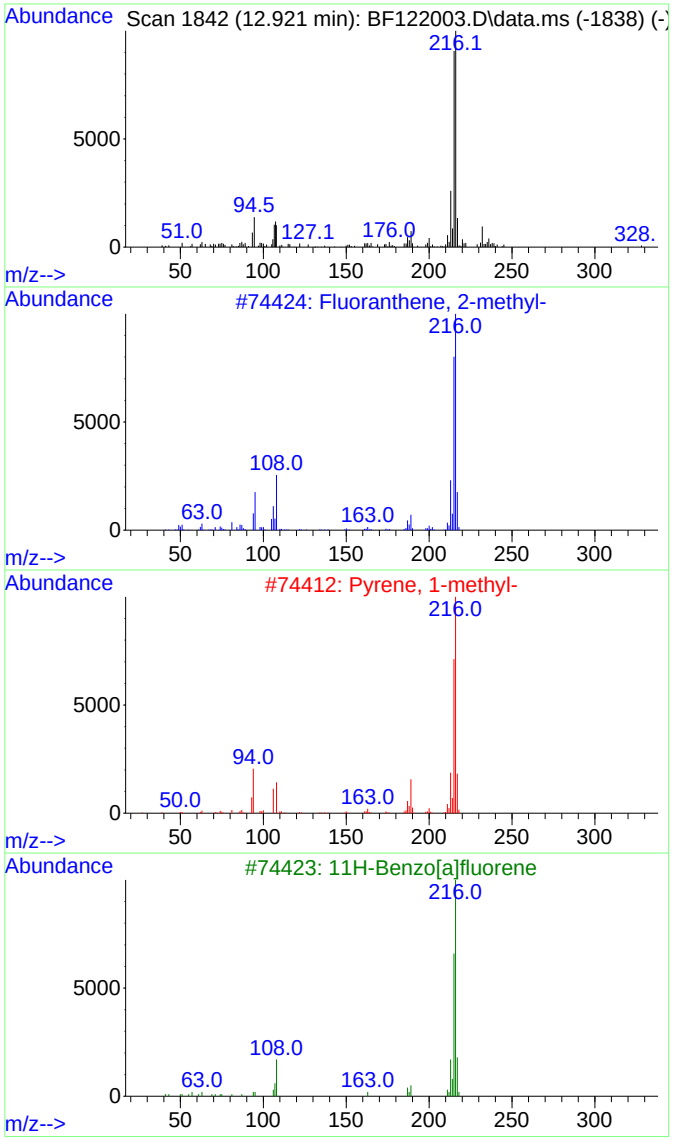
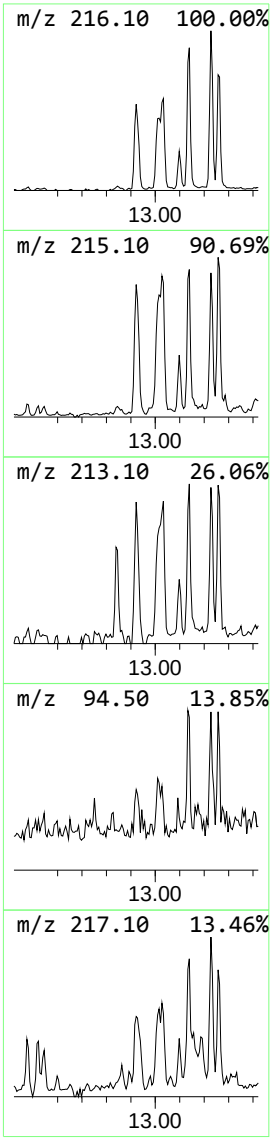
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.922	3.19 ng	173628	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





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Operator : JU/CG
Sample : L4227-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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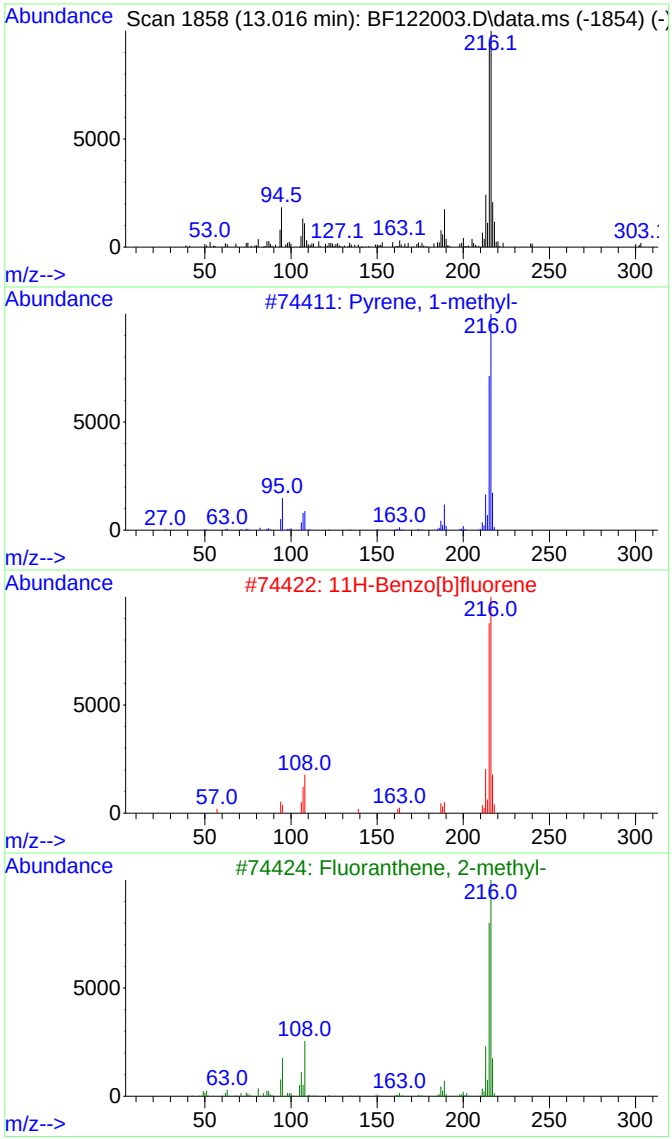
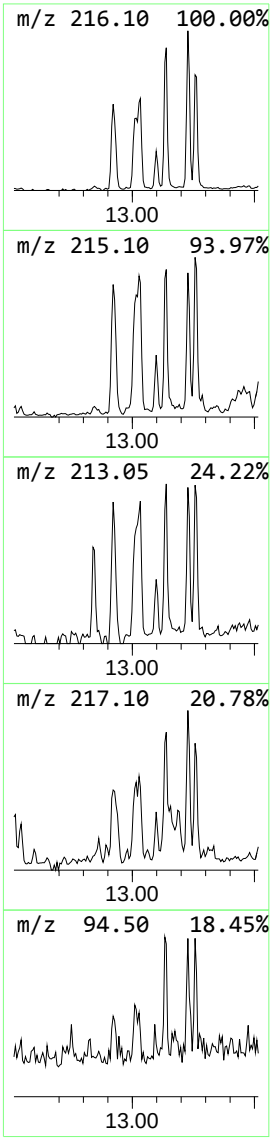
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.016	2.36 ng	128763	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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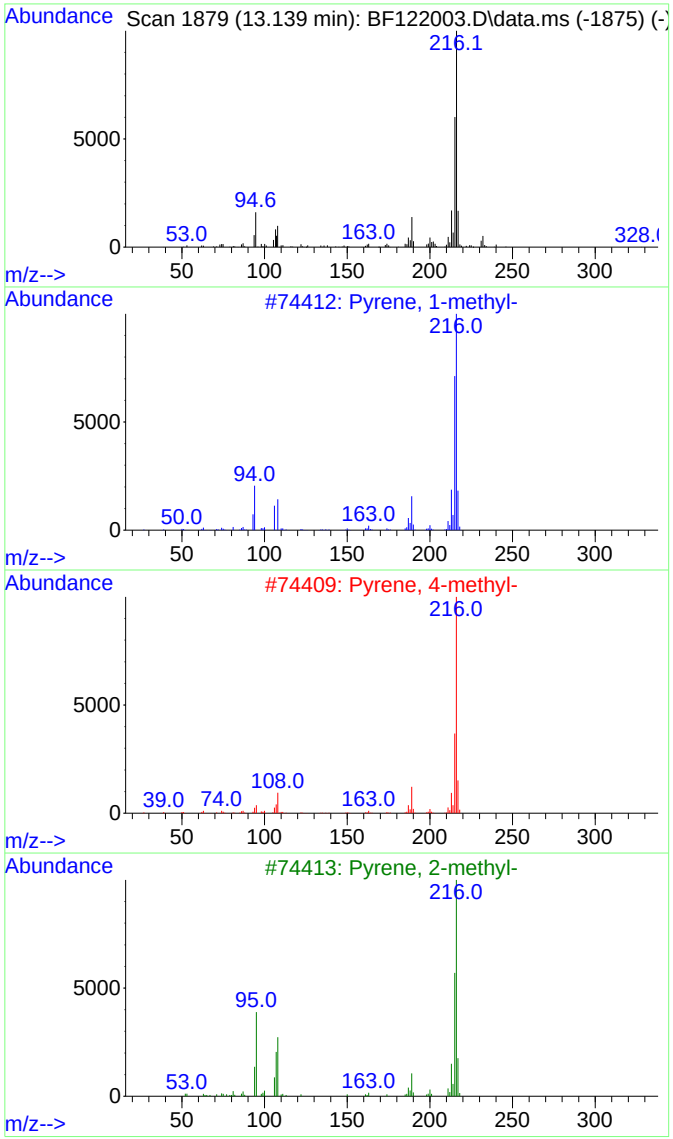
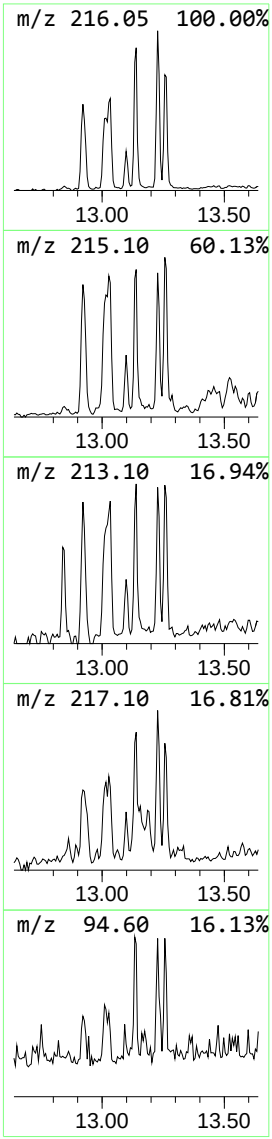
Peak Number 10 Pyrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.139	3.23 ng	175696	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-01-101420

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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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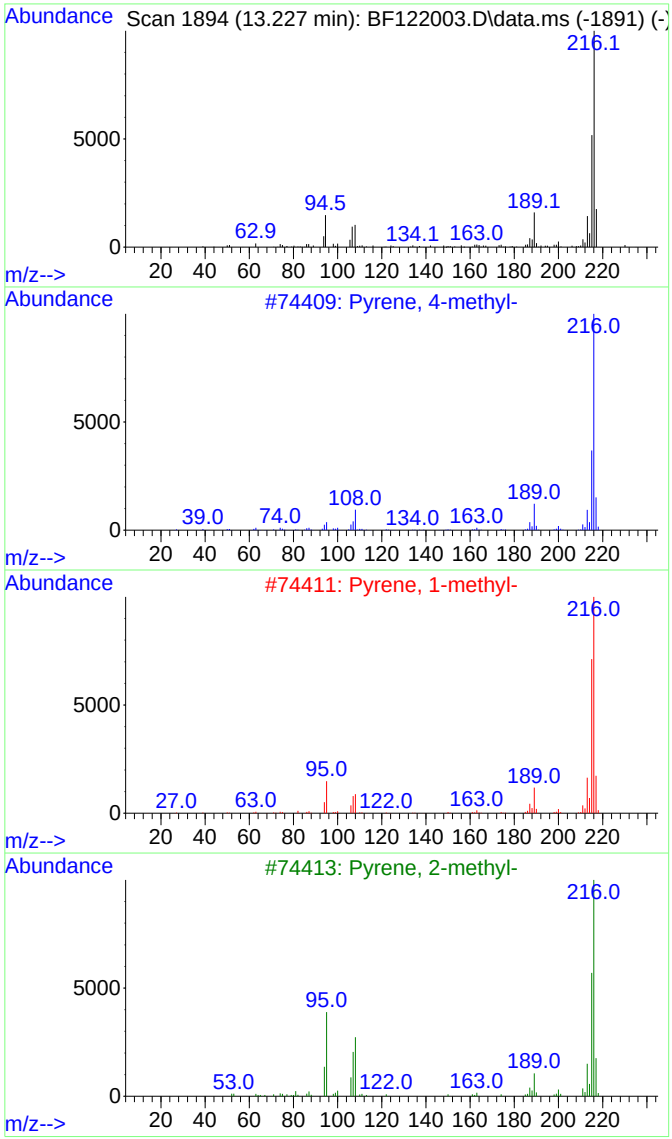
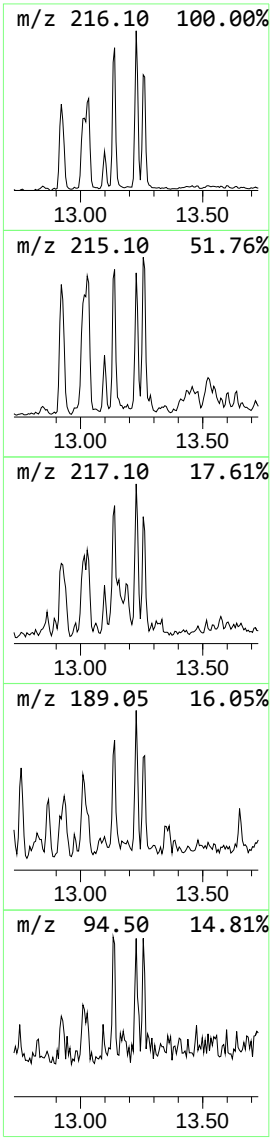
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	2.16 ng	117788	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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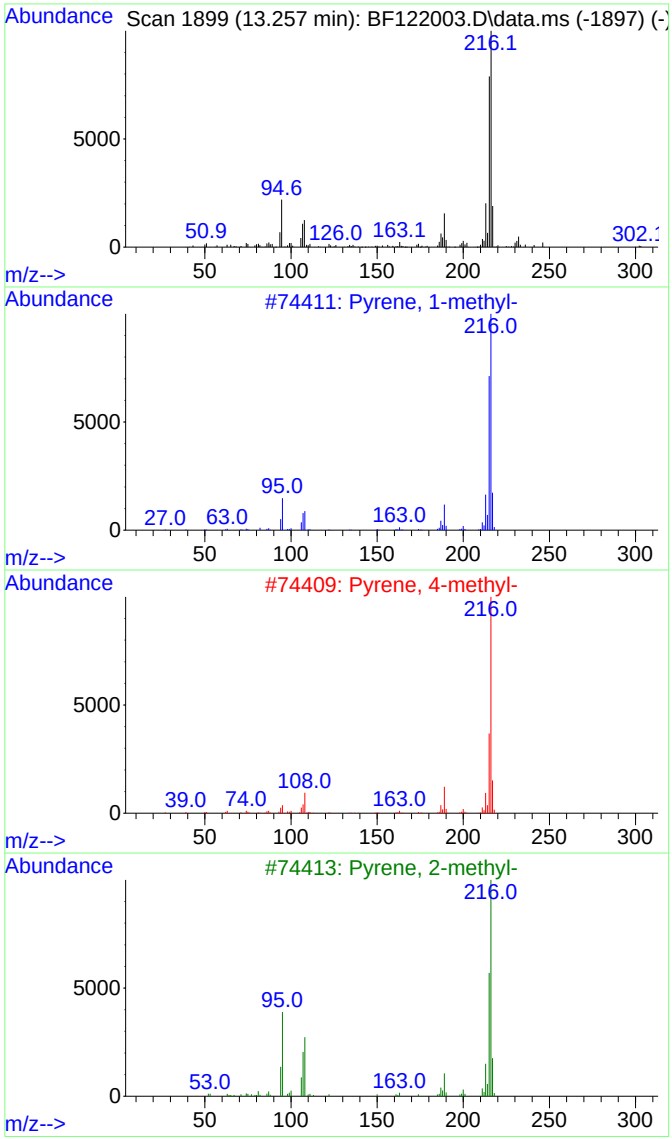
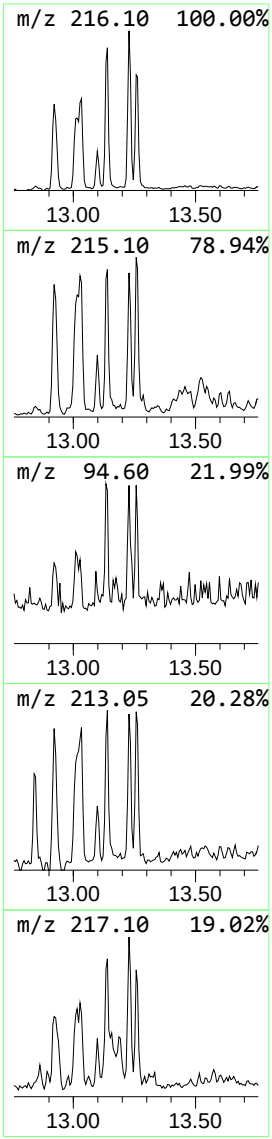
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	2.07 ng	113025	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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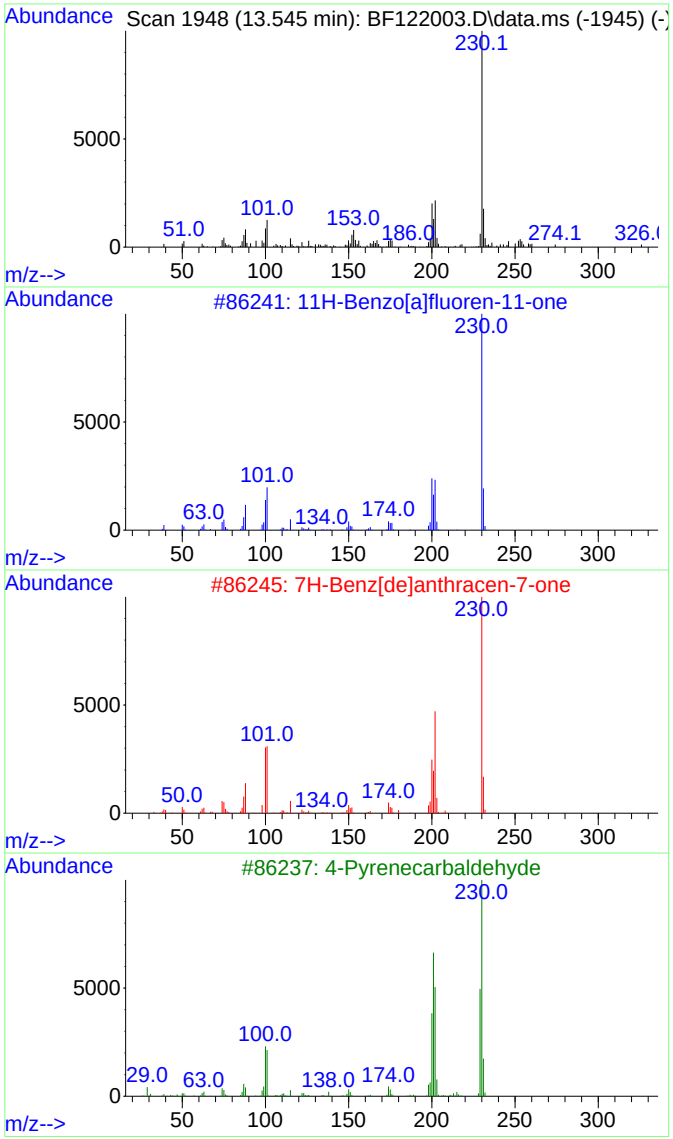
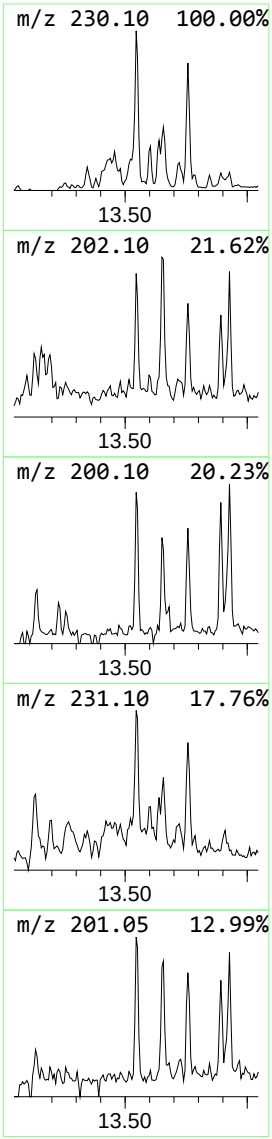
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.545	2.15 ng	117238	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





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Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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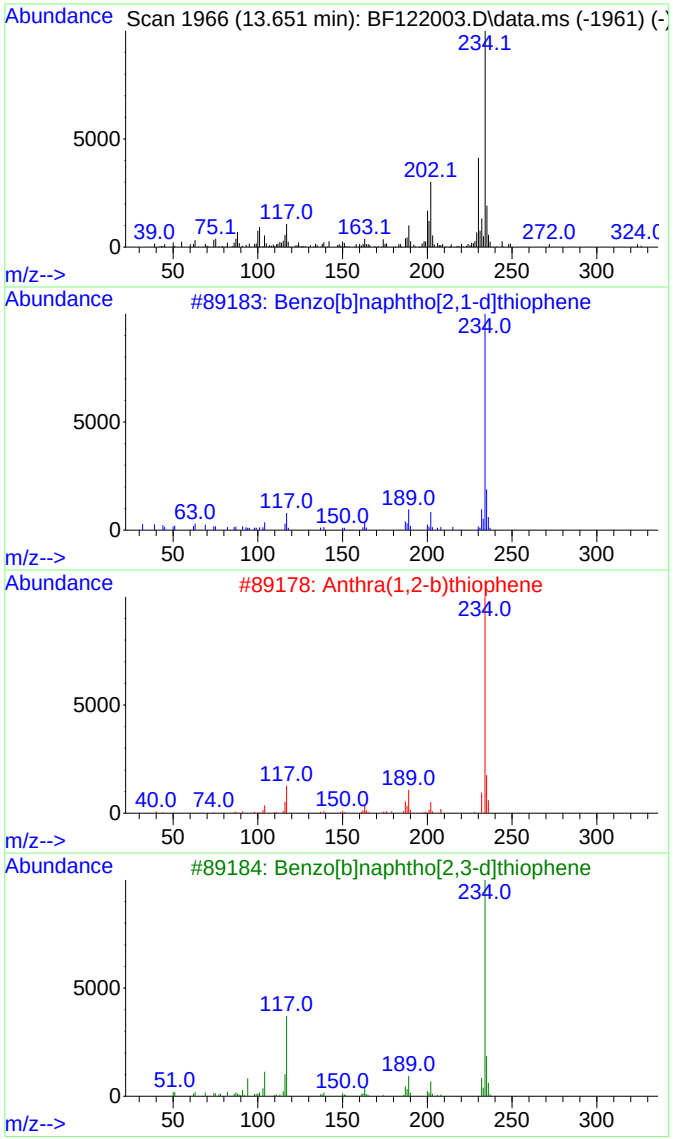
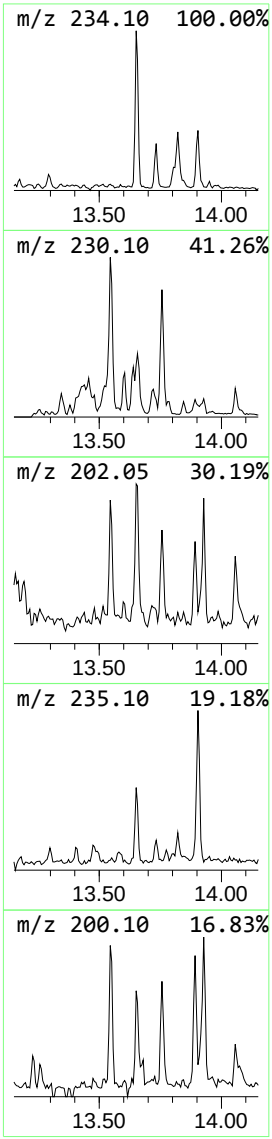
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	2.56 ng	139410	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	78
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	55





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Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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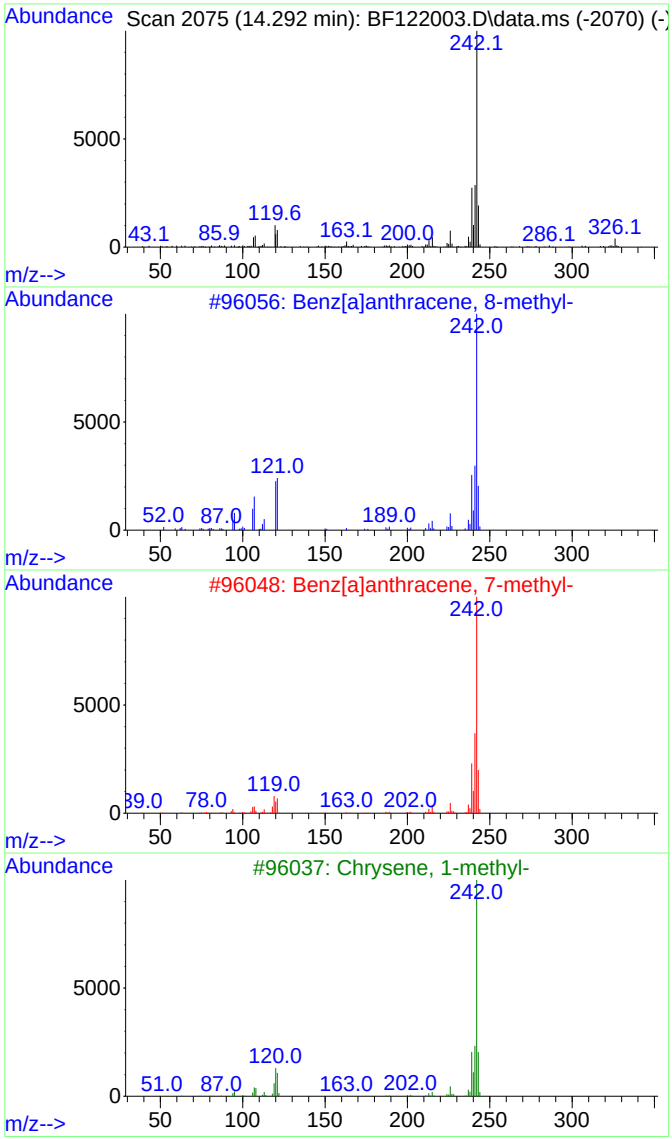
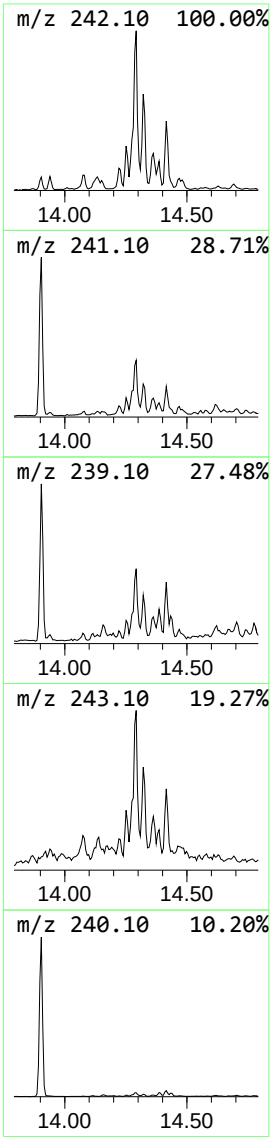
Peak Number 15 Benz[a]anthracene, 8-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.292	4.11 ng	223806	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	87
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83





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Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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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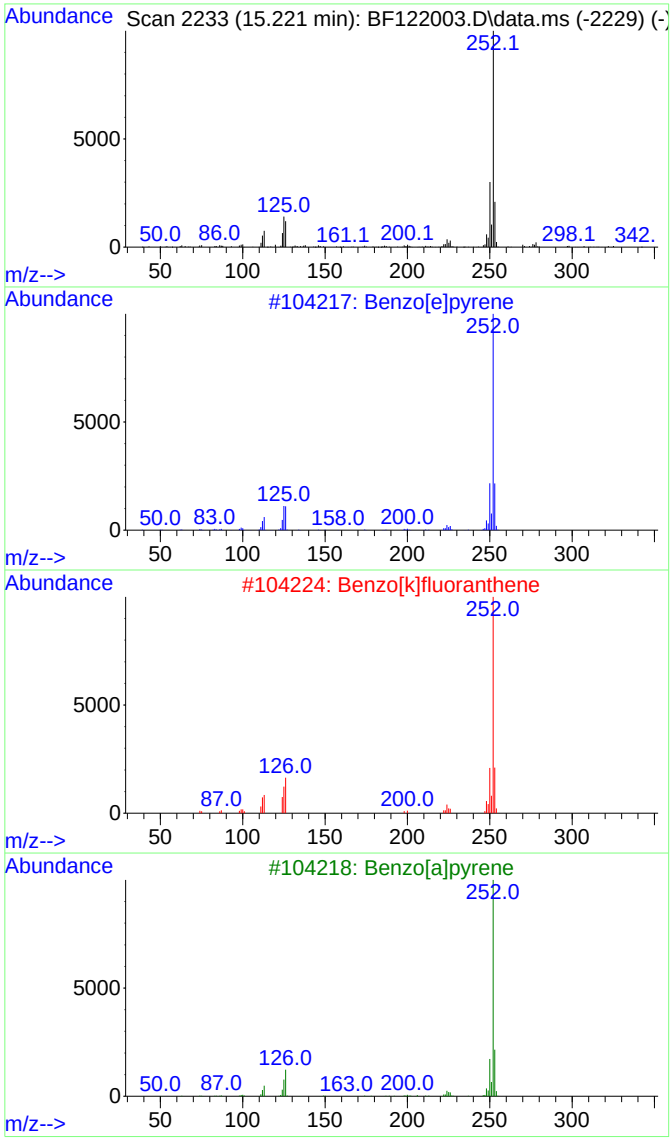
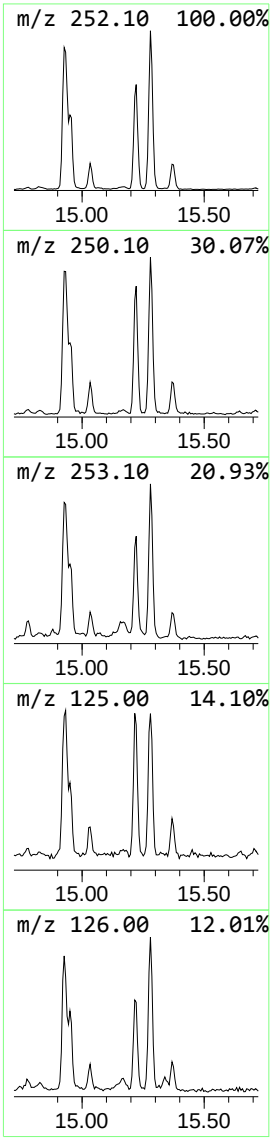
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	6.97 ng	234827	Perylene-d12	15.339

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Perylene	252	C20H12	000198-55-0	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122003.D
Acq On : 15 Oct 2020 21:22
Operator : JU/CG
Sample : L4227-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-101420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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
Phenanthrene, 2...	11.763	2.4	ng	94993	4	11.263	806892	20.0
Phenanthrene, 1...	11.792	2.7	ng	109378	4	11.263	806892	20.0
Anthracene, 2-m...	11.874	4.0	ng	163358	4	11.263	806892	20.0
1H-Cyclopropa[l...	11.898	2.1	ng	85344	4	11.263	806892	20.0
Phenanthrene, 2...	12.310	3.6	ng	144664	4	11.263	806892	20.0
unknown12.351	12.351	3.9	ng	158805	4	11.263	806892	20.0
Cyclopenta(def)...	12.404	2.5	ng	103072	4	11.263	806892	20.0
Fluoranthene, 2...	12.922	3.2	ng	173628	5	13.904	1089520	20.0
Pyrene, 1-methyl-	13.016	2.4	ng	128763	5	13.904	1089520	20.0
Pyrene, 4-methyl-	13.139	3.2	ng	175696	5	13.904	1089520	20.0
Pyrene, 2-methyl-	13.227	2.2	ng	117788	5	13.904	1089520	20.0
11H-Benzo[b]flu...	13.257	2.1	ng	113025	5	13.904	1089520	20.0
11H-Benzo[a]flu...	13.545	2.1	ng	117238	5	13.904	1089520	20.0
Benzo[b]naphtho...	13.651	2.6	ng	139410	5	13.904	1089520	20.0
Benz[a]anthrace...	14.292	4.1	ng	223806	5	13.904	1089520	20.0
Benzo[e]pyrene	15.221	7.0	ng	234827	6	15.339	674210	20.0