LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115580.D
Acq On : 16 Jul 2019 1:52
Operator : HP/JU
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-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-BF071219.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	2.175	10	15	23	rVB	615186	841182	14.50%	1.043%
2	5.498	576	580	597	rBV	1890648	1706369	29.42%	2.116%
3	6.175	691	695	698	rBV	203435	164891	2.84%	0.205%
4	6.504	746	751	762	rBV	2022395	1869444	32.23%	2.319%
5	6.651	771	776	779	rBV	2203600	1976441	34.07%	2.451%
6	6.845	805	809	812	rBV	333899	289736	4.99%	0.359%
7	6.881	812	815	819	rBV	1899684	1658584	28.59%	2.057%
8	7.039	838	842	845	rBV	1873742	1527231	26.33%	1.894%
9	7.434	904	909	916	rBV	1036030	980334	16.90%	1.216%
10	8.163	1029	1033	1035	rBV	2009125	1761779	30.37%	2.185%
11	8.186	1035	1037	1040	rVB	770971	598270	10.31%	0.742%
12	8.875	1149	1154	1159	rBV	570299	467298	8.06%	0.580%
13	8.975	1166	1171	1176	rBV	542552	450073	7.76%	0.558%
14	9.239	1211	1216	1219	rBV	2046173	1751781	30.20%	2.173%
15	9.339	1226	1233	1239	rBV	150041	146709	2.53%	0.182%
16	9.504	1255	1261	1265	rBV	236201	339428	5.85%	0.421%
17	9.580	1269	1274	1276	rVV	461457	497366	8.57%	0.617%
18	9.604	1276	1278	1280	rVV	313597	240657	4.15%	0.298%
19	9.628	1280	1282	1288	rVB	205647	192431	3.32%	0.239%
20	9.692	1290	1293	1302	rVB	255877	291382	5.02%	0.361%
21	9.775	1302	1307	1311	rBV	354285	344284	5.94%	0.427%
22	9.922	1325	1332	1335	rBV	1917441	1887487	32.54%	2.341%
23	9.951	1335	1337	1340	rVV	905844	683108	11.78%	0.847%
24	10.122	1362	1366	1370	rVV	956152	813394	14.02%	1.009%
25	10.163	1370	1373	1376	rVB	181429	163729	2.82%	0.203%
26	10.233	1381	1385	1388	rBV2	183242	193321	3.33%	0.240%
27	10.263	1388	1390	1396	rVB	187547	151018	2.60%	0.187%
28	10.327	1396	1401	1402	rBV	153711	175985	3.03%	0.218%
29	10.463	1421	1424	1430	rVB	1137278	1072859	18.50%	1.331%
30	10.533	1430	1436	1437	rBV	185866	260060	4.48%	0.323%
31	10.551	1437	1439	1441	rVV2	191567	163031	2.81%	0.202%
32	10.622	1448	1451	1456	rVB	371563	356794	6.15%	0.443%
33	10.704	1460	1465	1469	rVV	1273314	1277265	22.02%	1.584%
34	10.751	1469	1473	1477	rVB3	99912	145783	2.51%	0.181%

LSC Area Percent Report

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Acq On : 16 Jul 2019 1:52
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Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.827	1481	1486	1491	rVB4	163239	231502	3.99%	0.287%
36	11.016	1510	1518	1520	rBV3	259558	405753	6.99%	0.503%
37	11.039	1520	1522	1525	rVV2	205635	190254	3.28%	0.236%
38	11.139	1534	1539	1541	rVV3	159508	217539	3.75%	0.270%
39	11.163	1541	1543	1545	rVV2	218795	198642	3.42%	0.246%
40	11.210	1547	1551	1555	rVV	704076	688539	11.87%	0.854%
41	11.251	1555	1558	1564	rVV4	181486	346025	5.97%	0.429%
42	11.298	1564	1566	1572	rVB	616399	573090	9.88%	0.711%
43	11.404	1580	1584	1586	rBV	1442089	1603800	27.65%	1.989%
44	11.439	1586	1590	1592	rVV	5560017	5800727	100.00%	7.194%
45	11.480	1594	1597	1600	rVV	1984164	1659940	28.62%	2.059%
46	11.510	1600	1602	1606	rVB2	159935	155452	2.68%	0.193%
47	11.627	1617	1622	1625	rBV2	757093	784131	13.52%	0.972%
48	11.733	1637	1640	1645	rVB2	352429	323640	5.58%	0.401%
49	11.816	1652	1654	1659	rVB	144219	147709	2.55%	0.183%
50	11.904	1664	1669	1672	rBV	985561	1068927	18.43%	1.326%
51	11.933	1672	1674	1679	rVB	1445704	1255601	21.65%	1.557%
52	11.980	1679	1682	1685	rBV	512538	445497	7.68%	0.553%
53	12.016	1685	1688	1691	rBV2	1161155	1457896	25.13%	1.808%
54	12.039	1691	1692	1696	rVB	752534	468997	8.09%	0.582%
55	12.198	1716	1719	1721	rBV	628893	531052	9.15%	0.659%
56	12.221	1721	1723	1730	rVB2	525767	492526	8.49%	0.611%
57	12.351	1743	1745	1747	rVB	223424	155614	2.68%	0.193%
58	12.380	1747	1750	1752	rBV	197752	144782	2.50%	0.180%
59	12.404	1752	1754	1757	rVB	202107	155687	2.68%	0.193%
60	12.457	1757	1763	1765	rBV	564661	652113	11.24%	0.809%
61	12.486	1765	1768	1769	rVV2	438250	463413	7.99%	0.575%
62	12.504	1769	1771	1774	rVV4	569230	582889	10.05%	0.723%
63	12.539	1774	1777	1782	rVB	454326	512190	8.83%	0.635%
64	12.621	1787	1791	1795	rVV	4223744	4496302	77.51%	5.576%
65	12.745	1809	1812	1814	rBV2	130395	153960	2.65%	0.191%
66	12.768	1814	1816	1819	rVB	181435	157406	2.71%	0.195%
67	12.851	1824	1830	1835	rBV2	3870645	4848778	83.59%	6.014%
68	12.892	1835	1837	1842	rVB2	263201	324344	5.59%	0.402%
69	12.963	1846	1849	1850	rBV	302513	237707	4.10%	0.295%
70	12.986	1850	1853	1860	rVB2	1736666	1726609	29.77%	2.141%
71	13.063	1861	1866	1869	rBV2	389148	617440	10.64%	0.766%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071119-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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.151	1878	1881	1882	rBV2	261862	270997	4.67%	0.336%
73	13.174	1882	1885	1888	rVB	569751	553974	9.55%	0.687%
74	13.239	1888	1896	1898	rBV	431972	515181	8.88%	0.639%
75	13.274	1898	1902	1905	rBV2	549390	556889	9.60%	0.691%
76	13.368	1915	1918	1921	rBV	293572	227526	3.92%	0.282%
77	13.398	1921	1923	1928	rBV	315250	318162	5.48%	0.395%
78	13.674	1967	1970	1975	rVB	461284	512143	8.83%	0.635%
79	13.786	1985	1989	1992	rBV2	412068	584394	10.07%	0.725%
80	13.815	1992	1994	1997	rVV	409026	432170	7.45%	0.536%
81	13.845	1997	1999	2003	rVV2	312392	465541	8.03%	0.577%
82	13.886	2003	2006	2013	rVB	519090	687087	11.84%	0.852%
83	13.968	2016	2020	2025	rVB2	233725	288580	4.97%	0.358%
84	14.039	2025	2032	2035	rBV3	2554492	3978531	68.59%	4.934%
85	14.068	2035	2037	2043	rVB	1846828	1810393	31.21%	2.245%
86	14.151	2049	2051	2054	rVB	209345	160884	2.77%	0.200%
87	14.262	2066	2070	2074	rBV3	199126	302695	5.22%	0.375%
88	14.427	2094	2098	2101	rVV	488673	522040	9.00%	0.647%
89	14.463	2101	2104	2107	rVB	257557	237014	4.09%	0.294%
90	14.551	2116	2119	2121	rBV	194911	181076	3.12%	0.225%
91	14.574	2121	2123	2126	rVB2	170398	152745	2.63%	0.189%
92	15.086	2205	2210	2218	rBV	1203518	2492024	42.96%	3.091%
93	15.162	2220	2223	2225	rVV	160615	164098	2.83%	0.204%
94	15.192	2225	2228	2232	rVB	233750	228437	3.94%	0.283%
95	15.386	2257	2261	2267	rVB	656730	931472	16.06%	1.155%
96	15.451	2268	2272	2278	rVV	1002344	1277378	22.02%	1.584%
97	15.515	2278	2283	2286	rVV	949890	1233915	21.27%	1.530%
98	15.545	2286	2288	2295	rVB2	399273	512096	8.83%	0.635%
99	16.986	2528	2533	2541	rVB2	396674	770881	13.29%	0.956%
100	17.433	2604	2609	2617	rVB	294573	546273	9.42%	0.678%

Sum of corrected areas: 80630573

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
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Acq On : 16 Jul 2019 1:52
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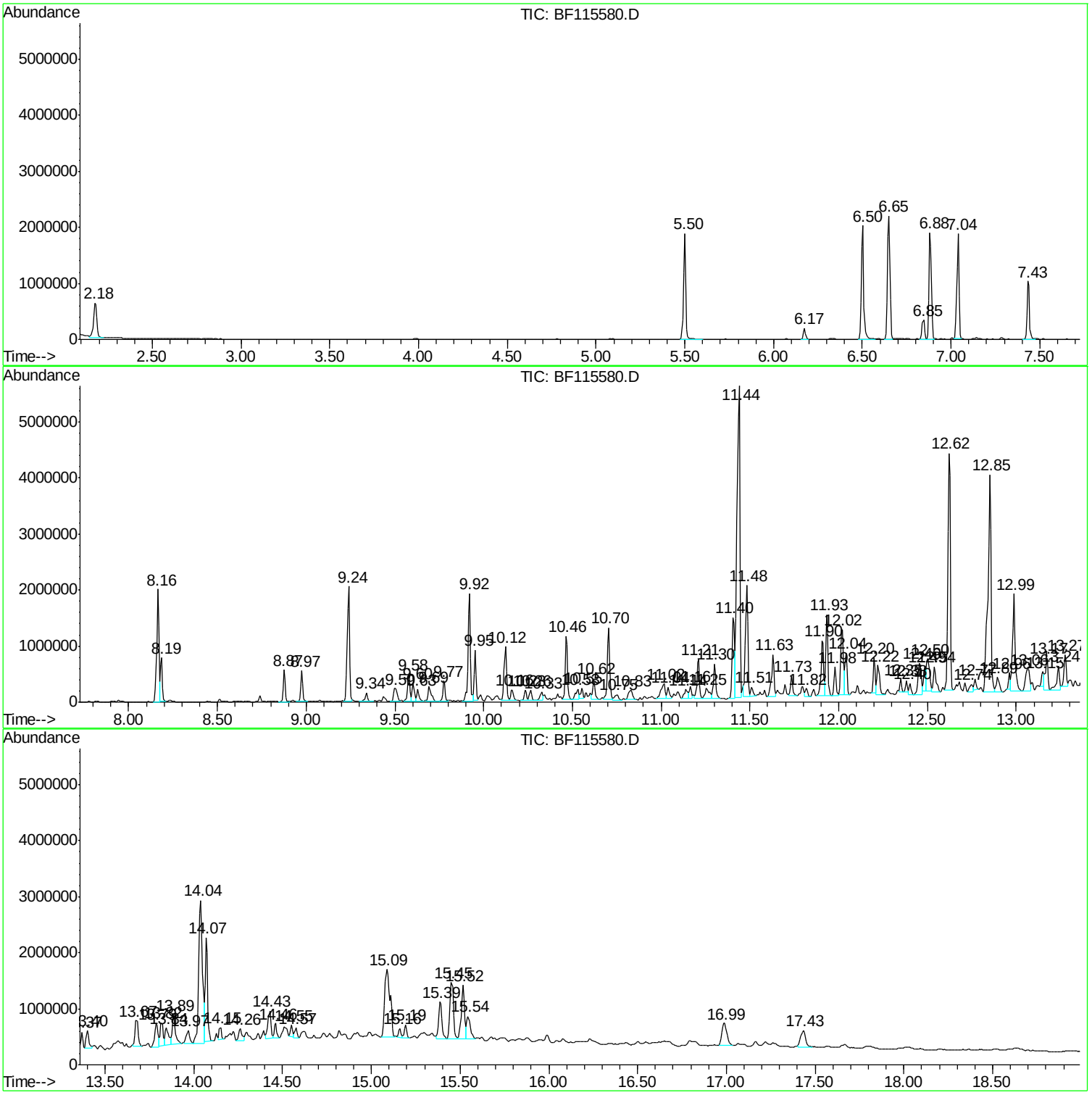
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071519\
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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

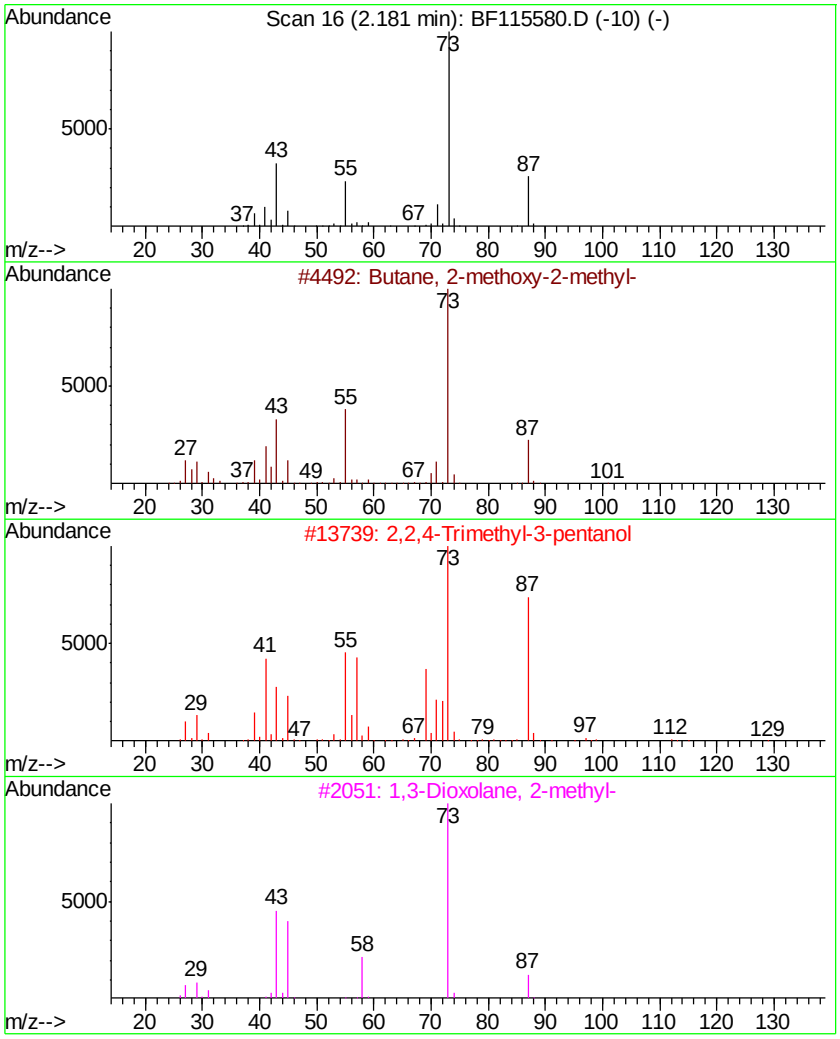
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

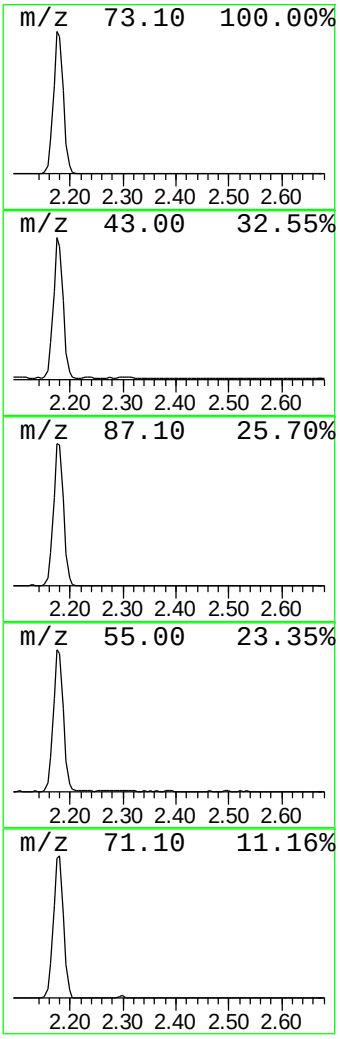
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	10.14 ng	841182	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

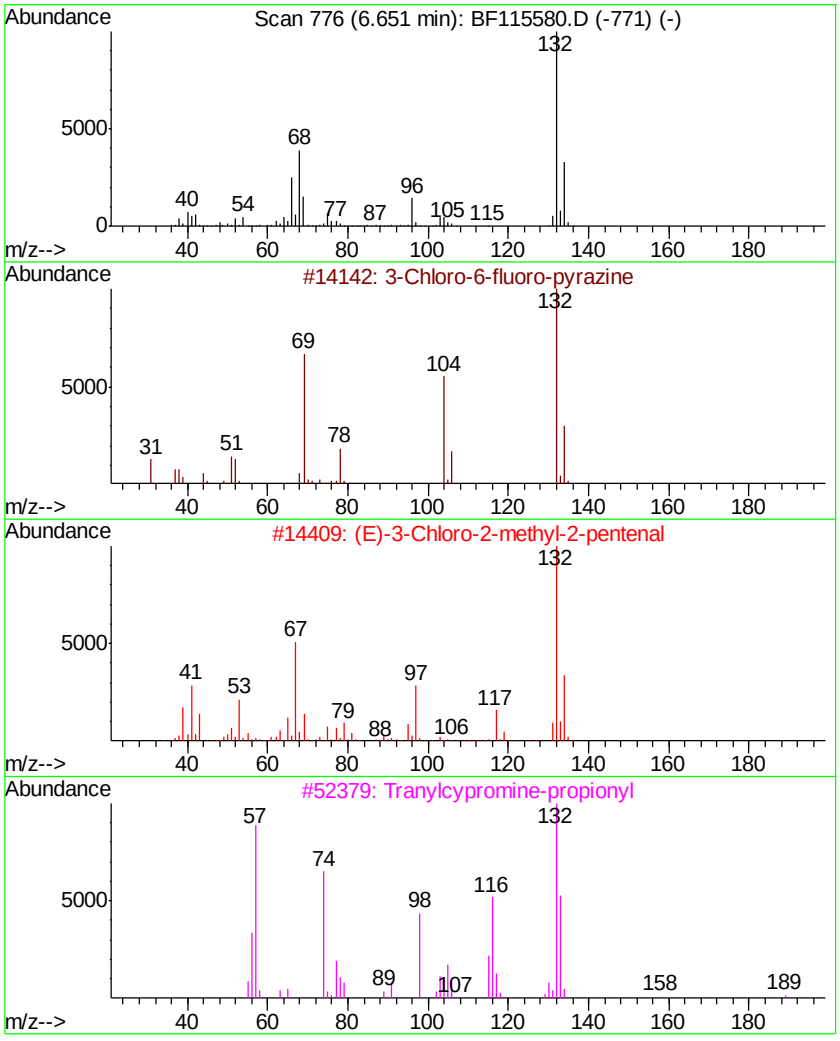
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

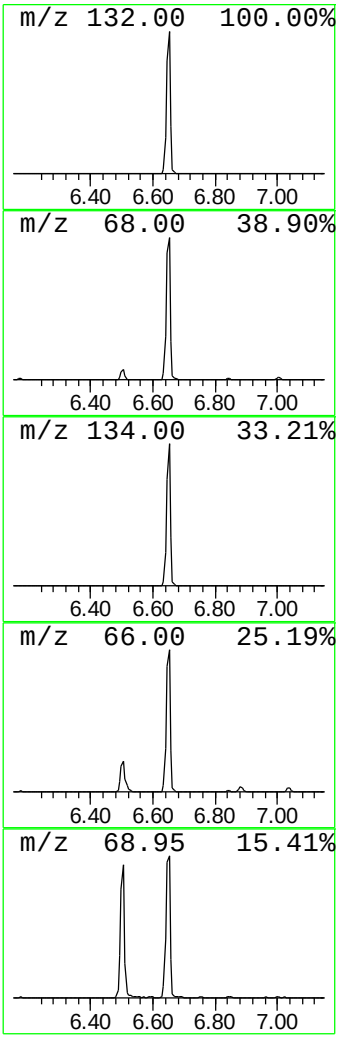
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	23.83 ng	1976440	1,4-Dichlorobenzene-d4	6.88

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	Xenon	132	Xe	007440-63-3	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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TIC Library : C:\DATABASE\NIST11.L
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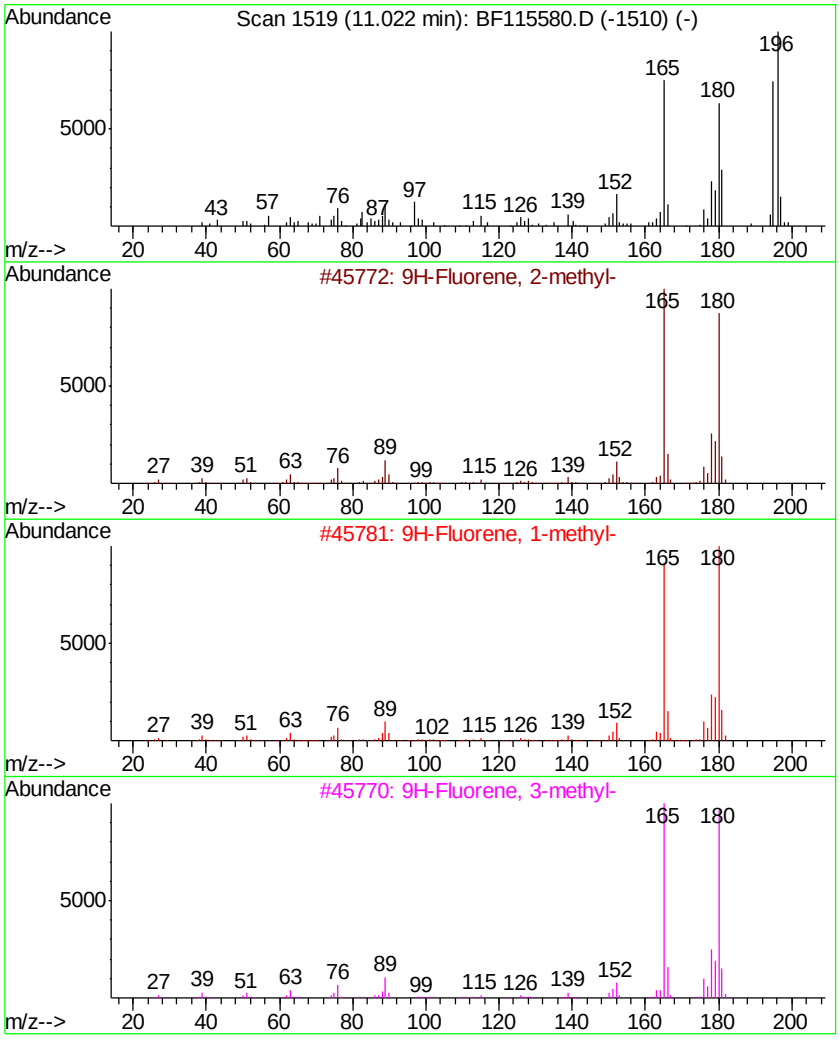
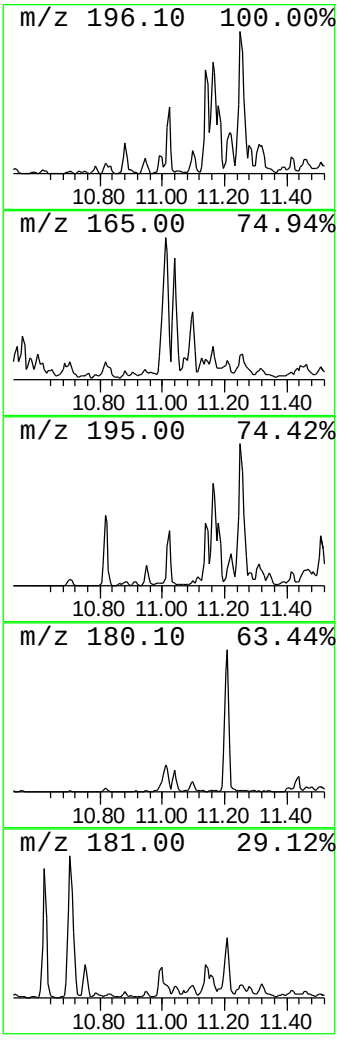
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	5.06 ng	405753	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

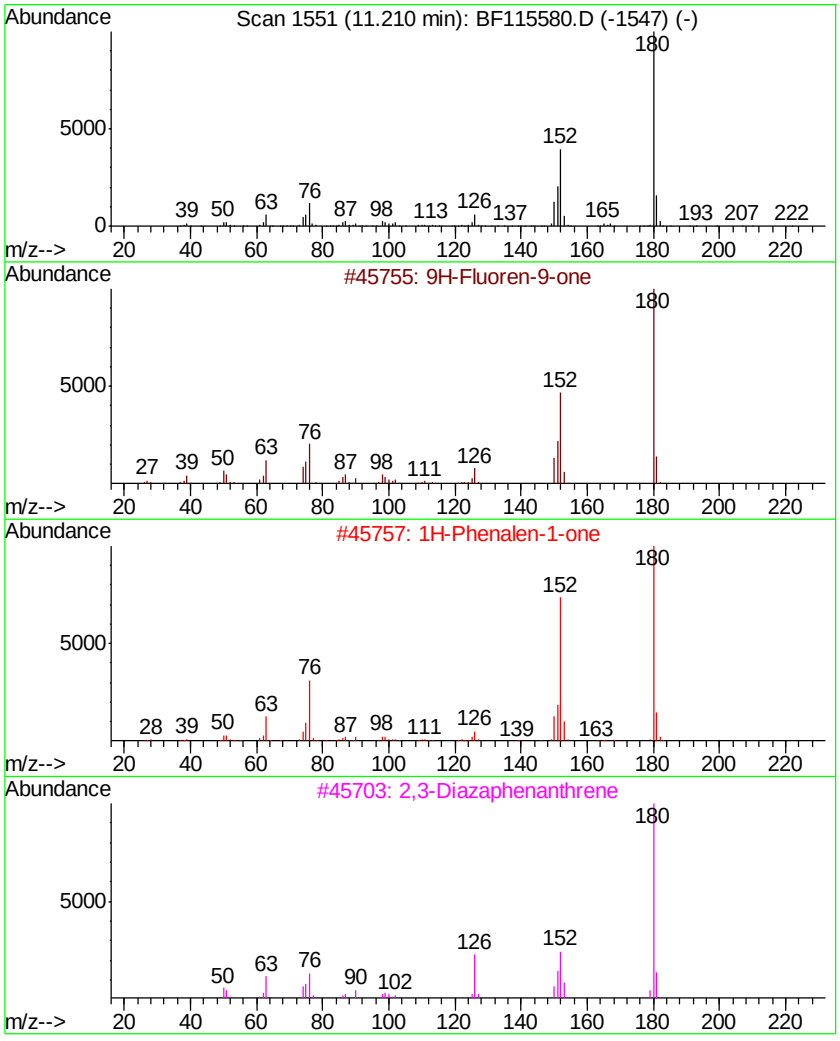
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

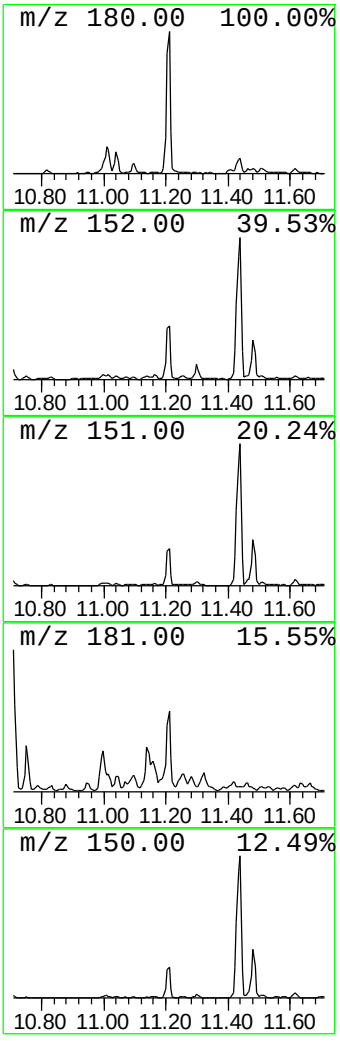
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	8.59 ng	688539	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
4	7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	47
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	40





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

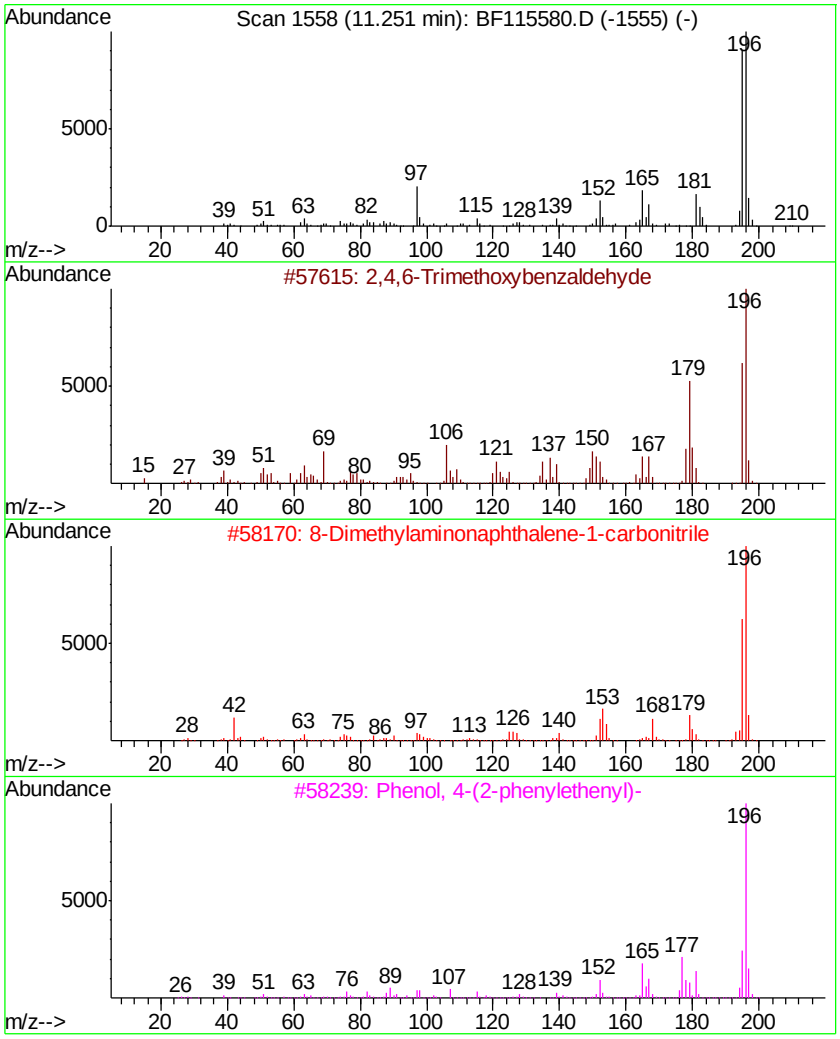
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

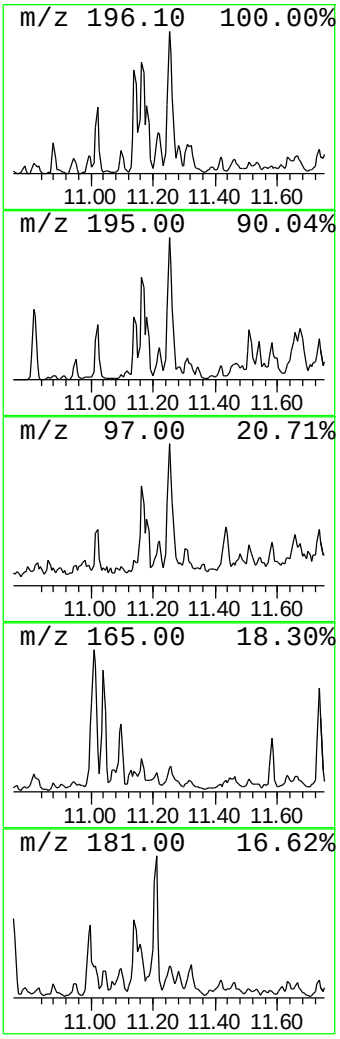
****

Peak Number 6 2,4,6-Trimethoxybenzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	4.32 ng	346025	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53





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Acq On : 16 Jul 2019 1:52
Operator : HP/JU
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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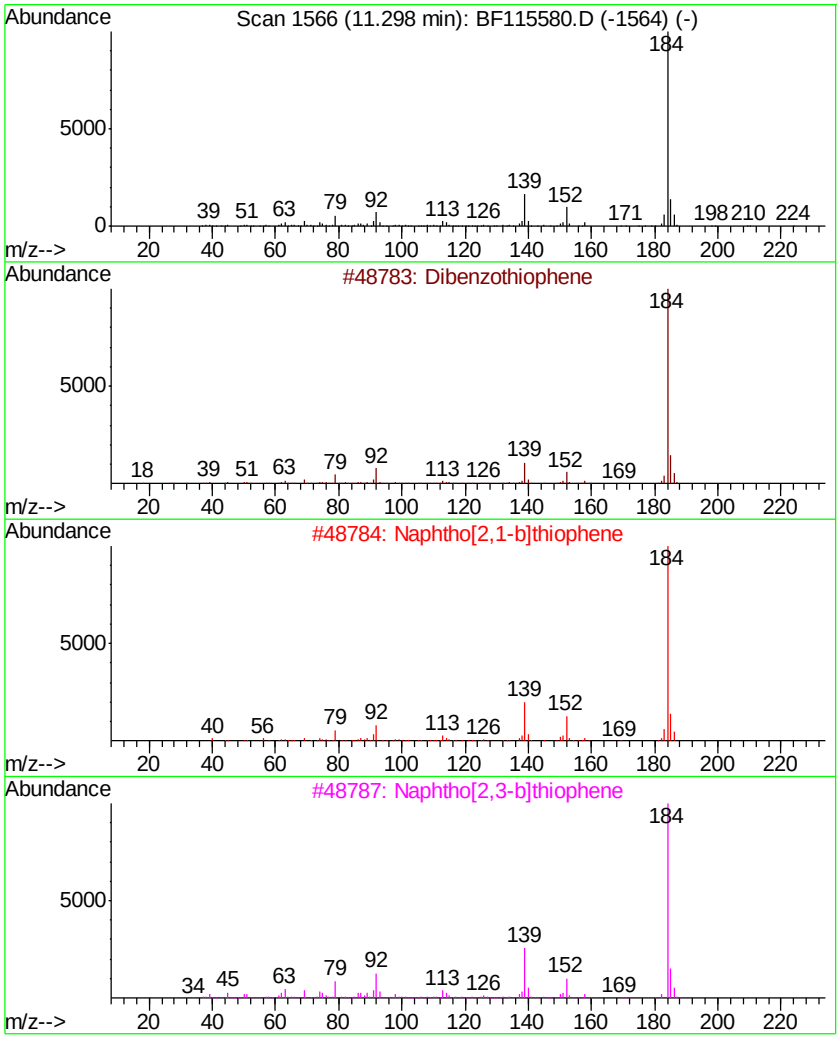
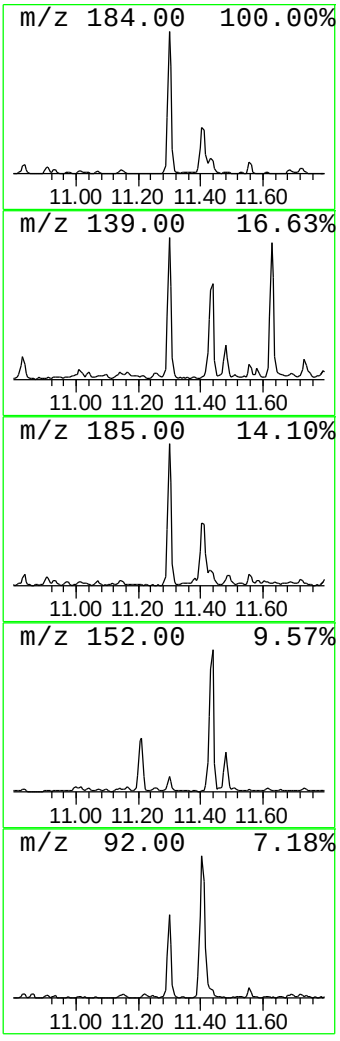
Peak Number 7 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	7.15 ng	573090	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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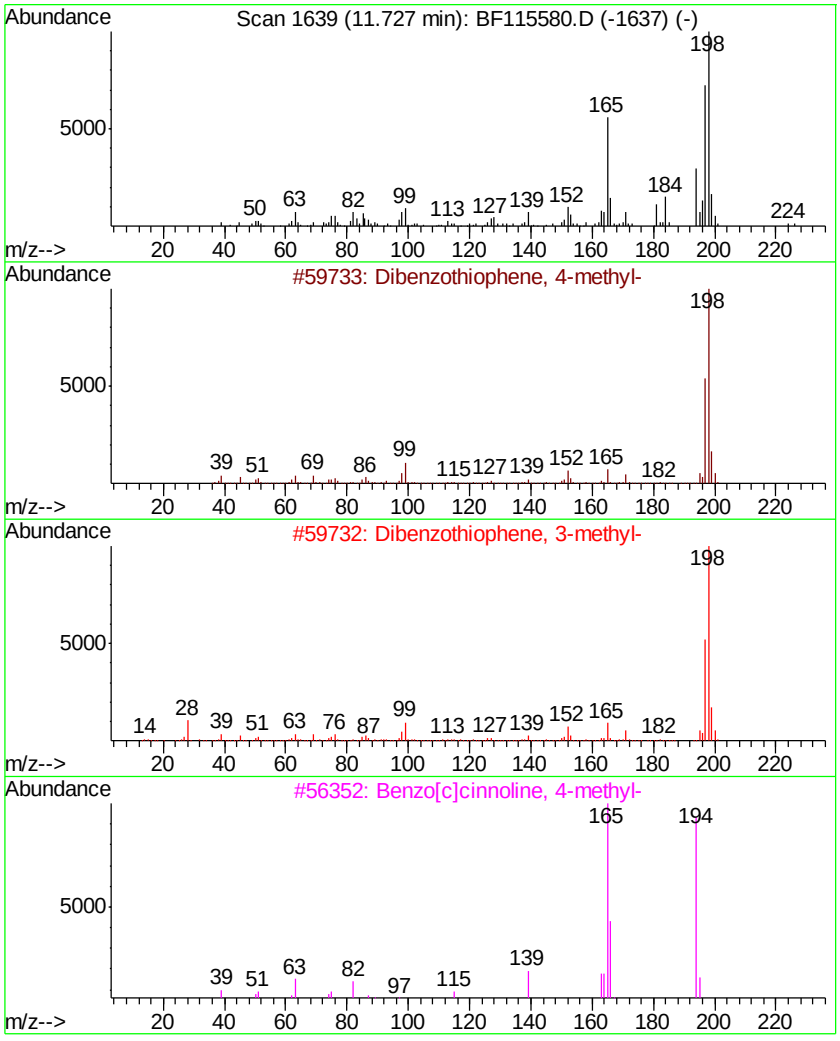
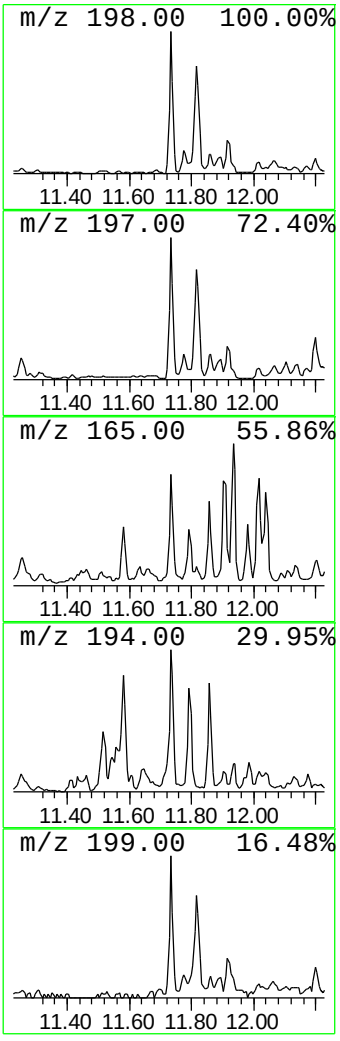
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.04 ng	323640	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	60
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	60
3	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	56
4	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	53
5	Methanethione, diphenyl-	198	C13H10S	001450-31-3	50





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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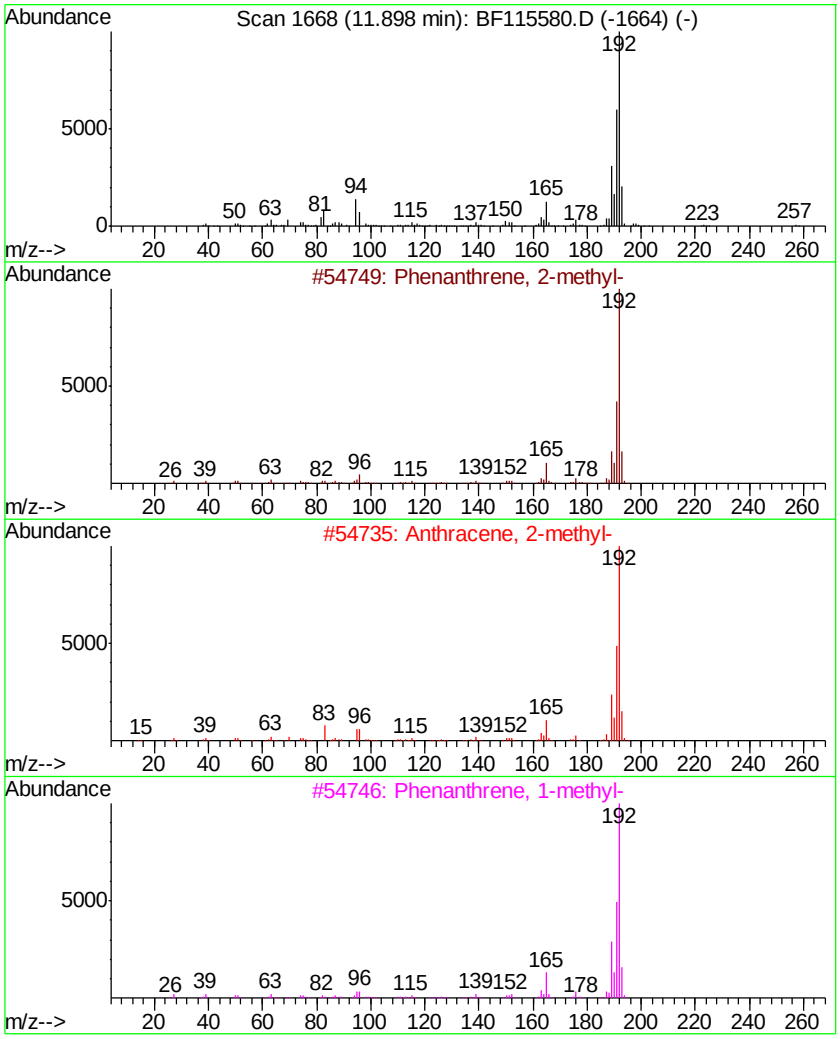
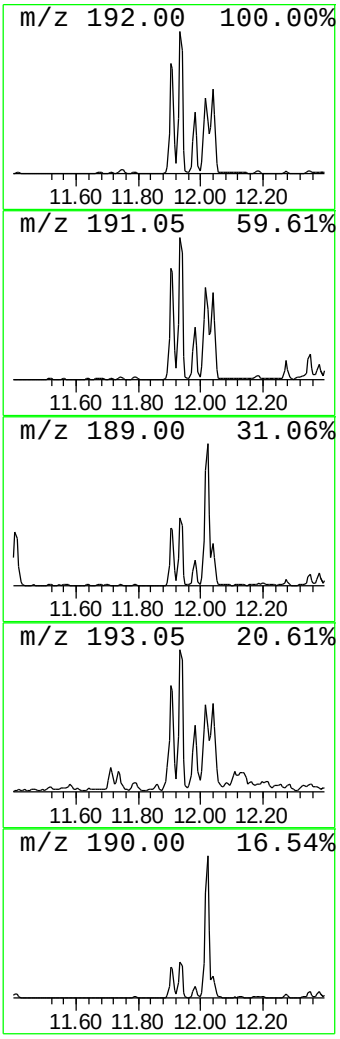
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	13.33 ng	1068930	Phenanthrene-d10	11.40

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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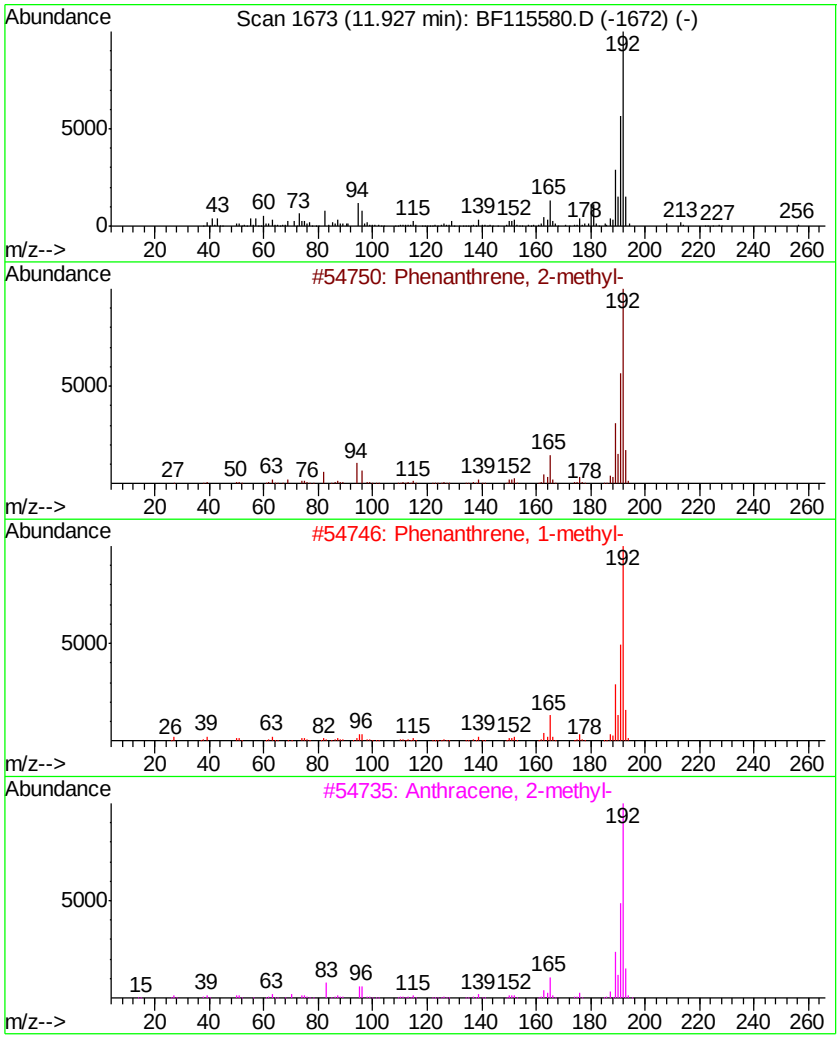
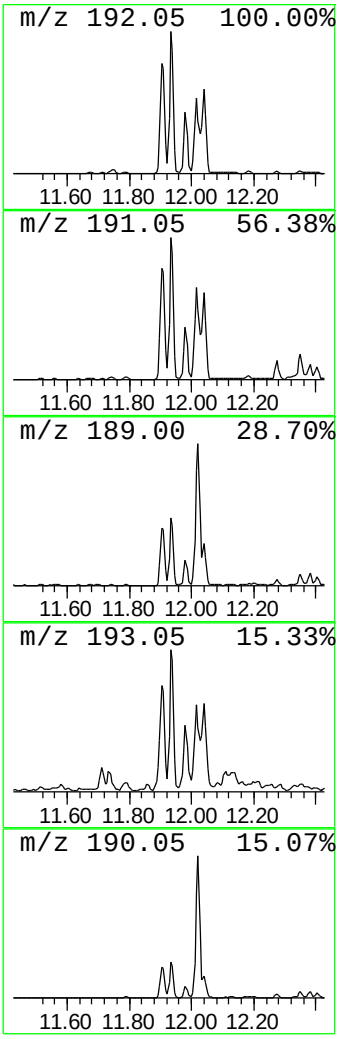
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	15.66 ng	1255600	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId : SU-04-071119-A

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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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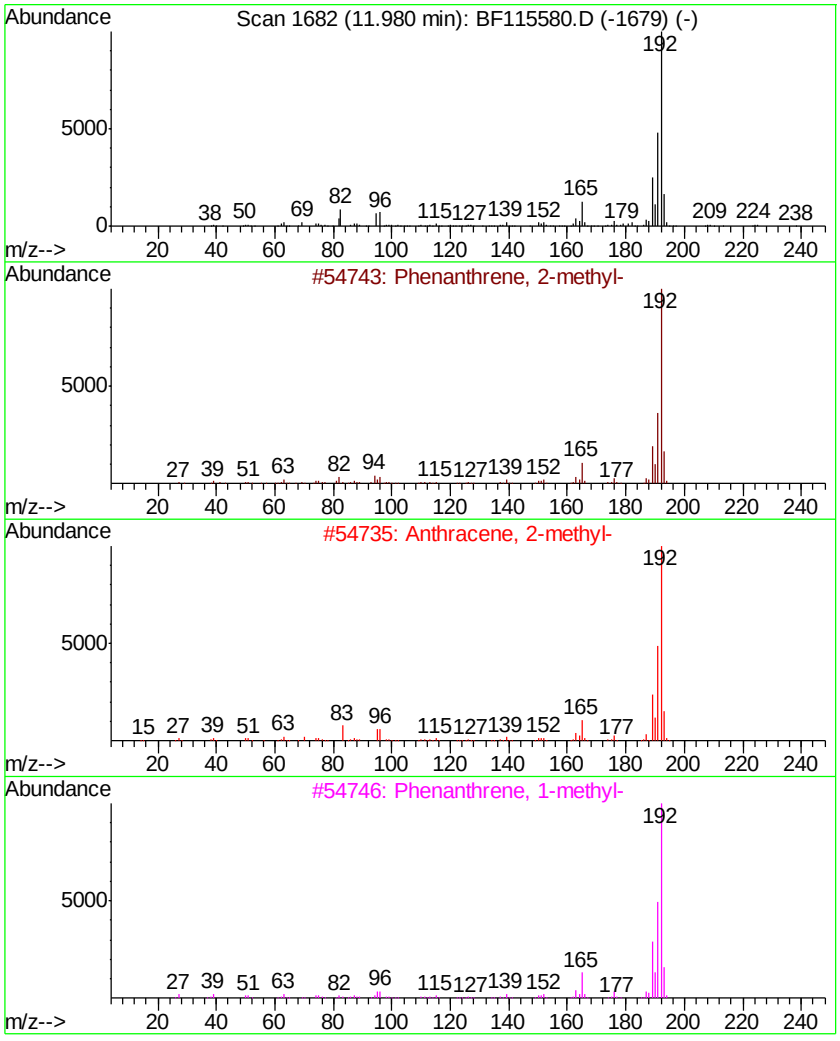
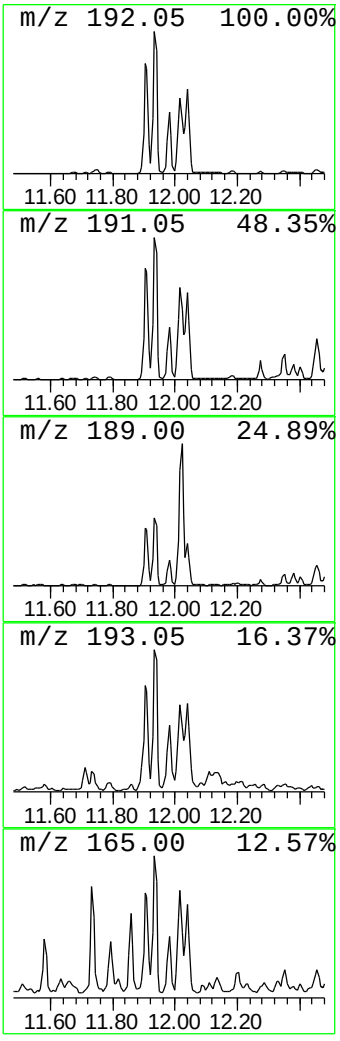
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.56 ng	445497	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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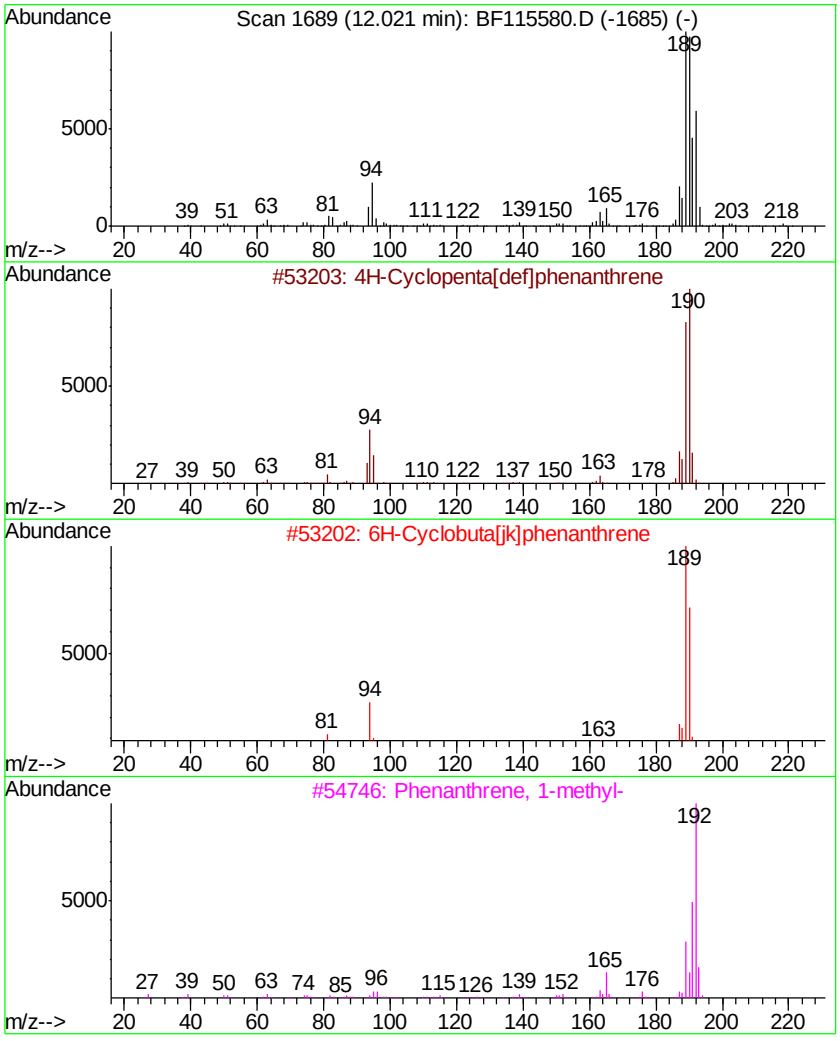
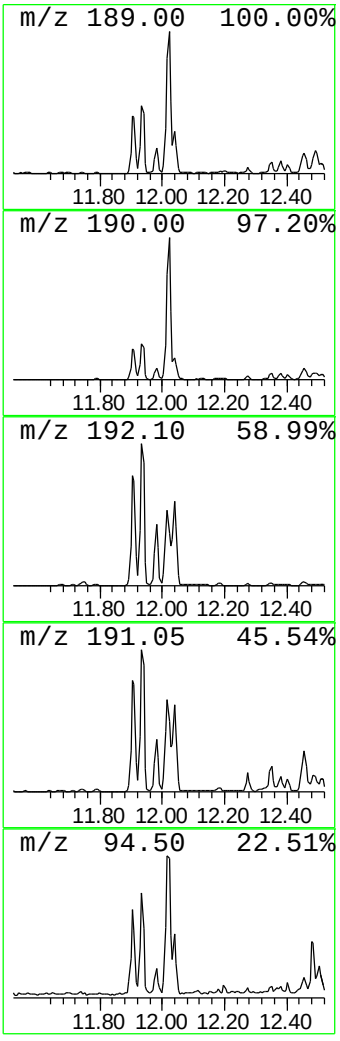
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	18.18 ng	1457900	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46





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Operator : HP/JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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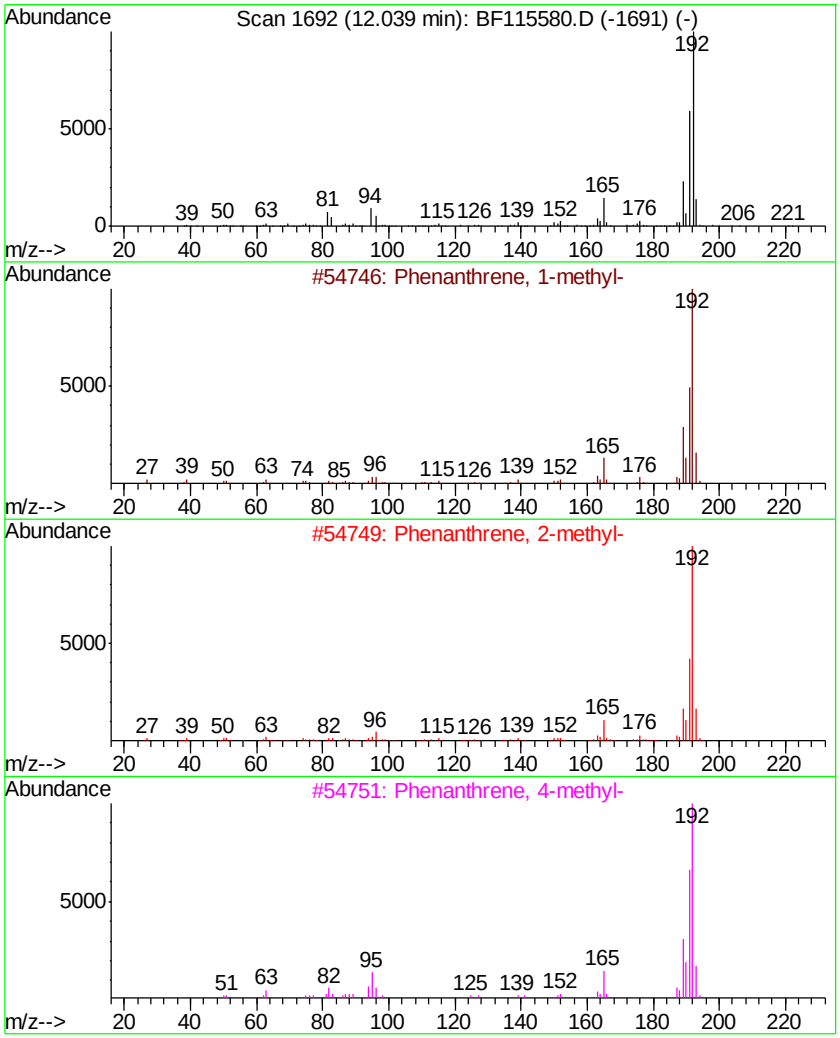
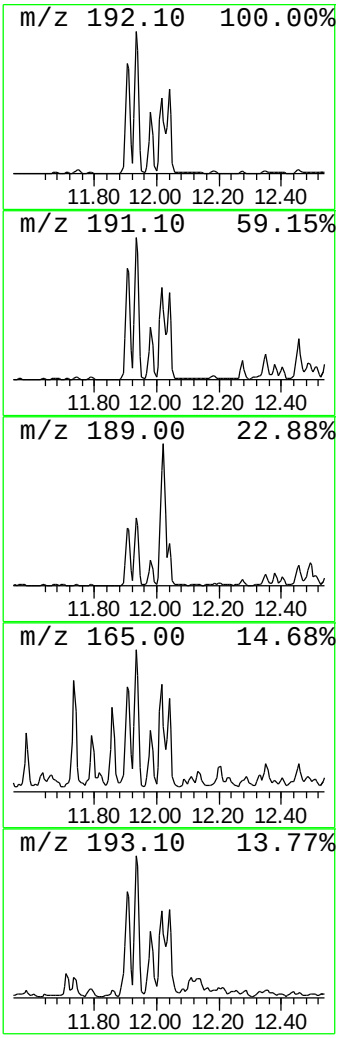
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.85 ng	468997	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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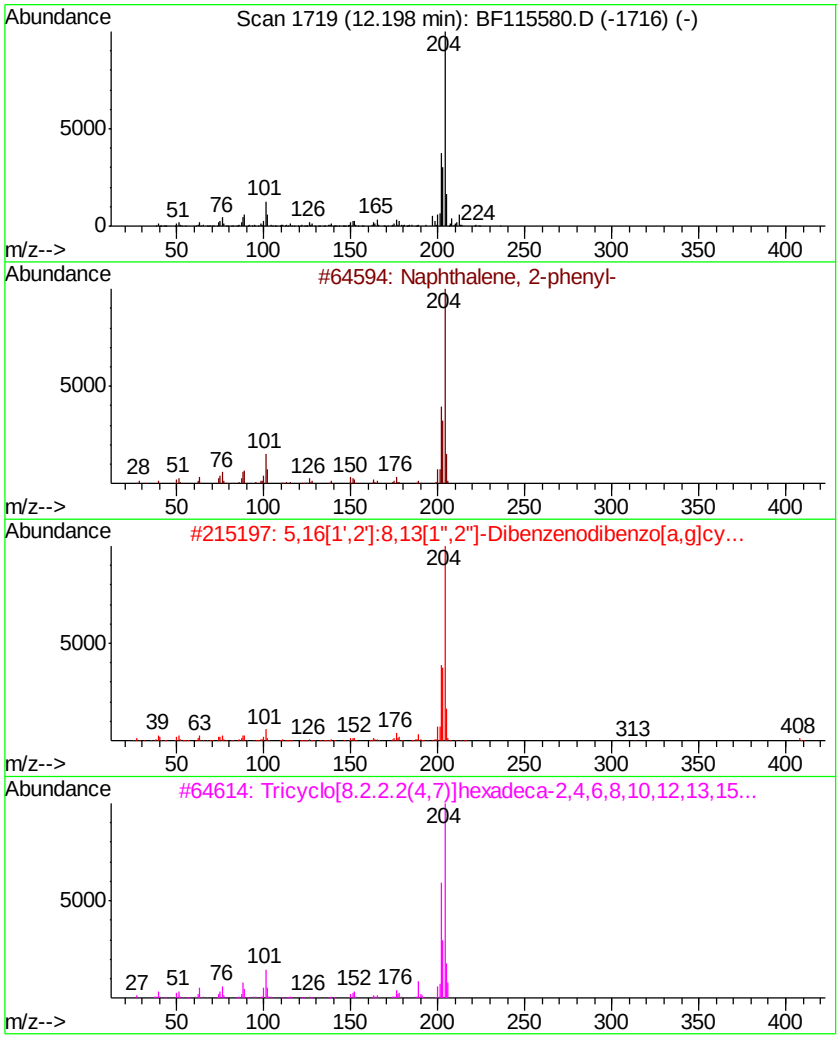
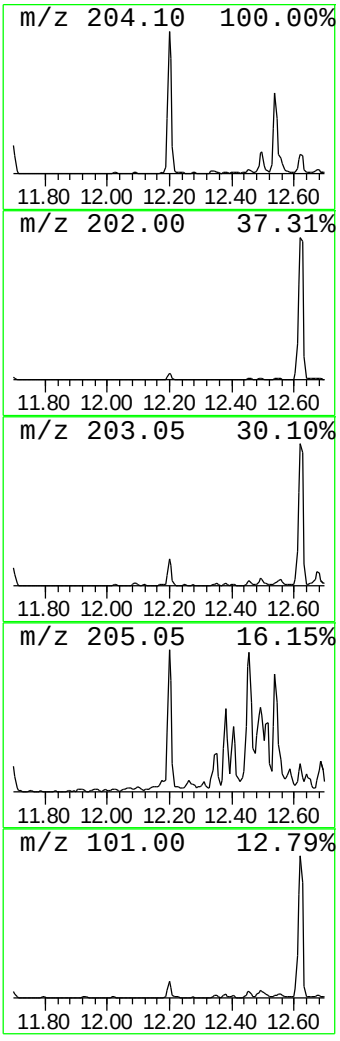
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	6.62 ng	531052	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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ClientSampleId : SU-04-071119-A

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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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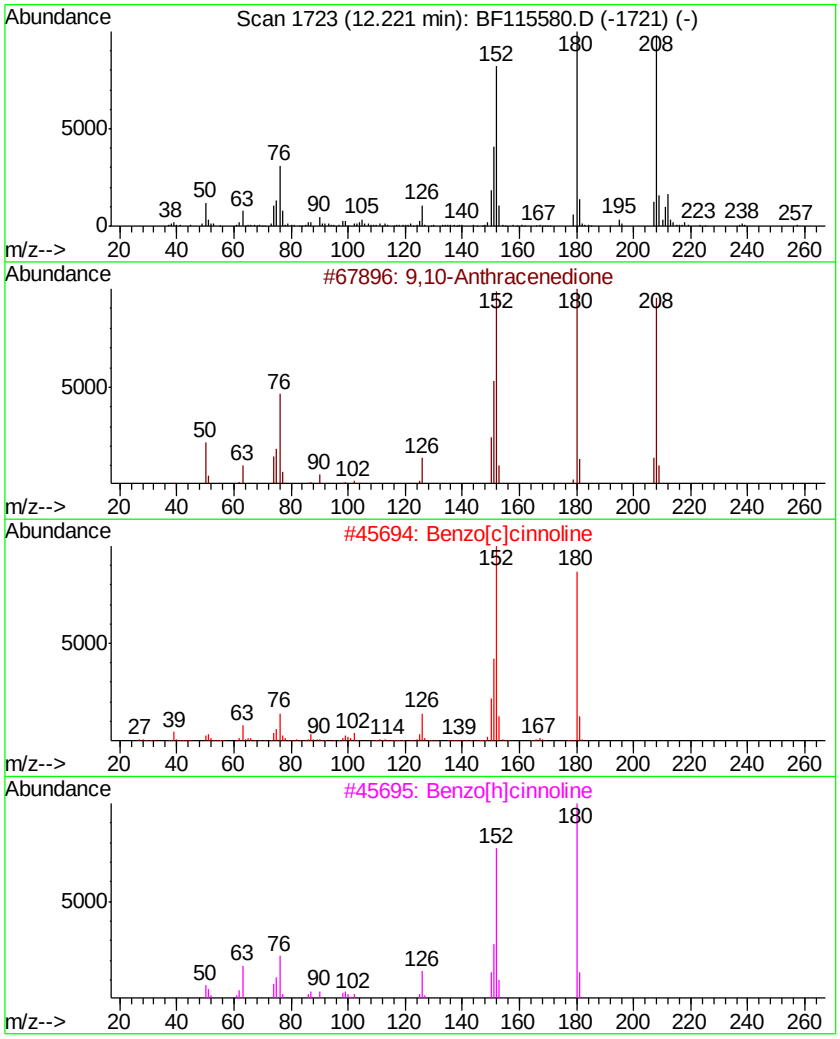
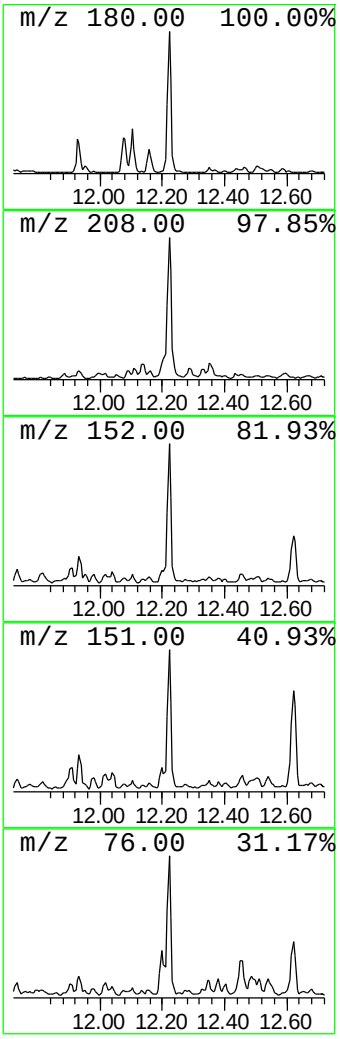
Peak Number 15 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	6.14 ng	492526	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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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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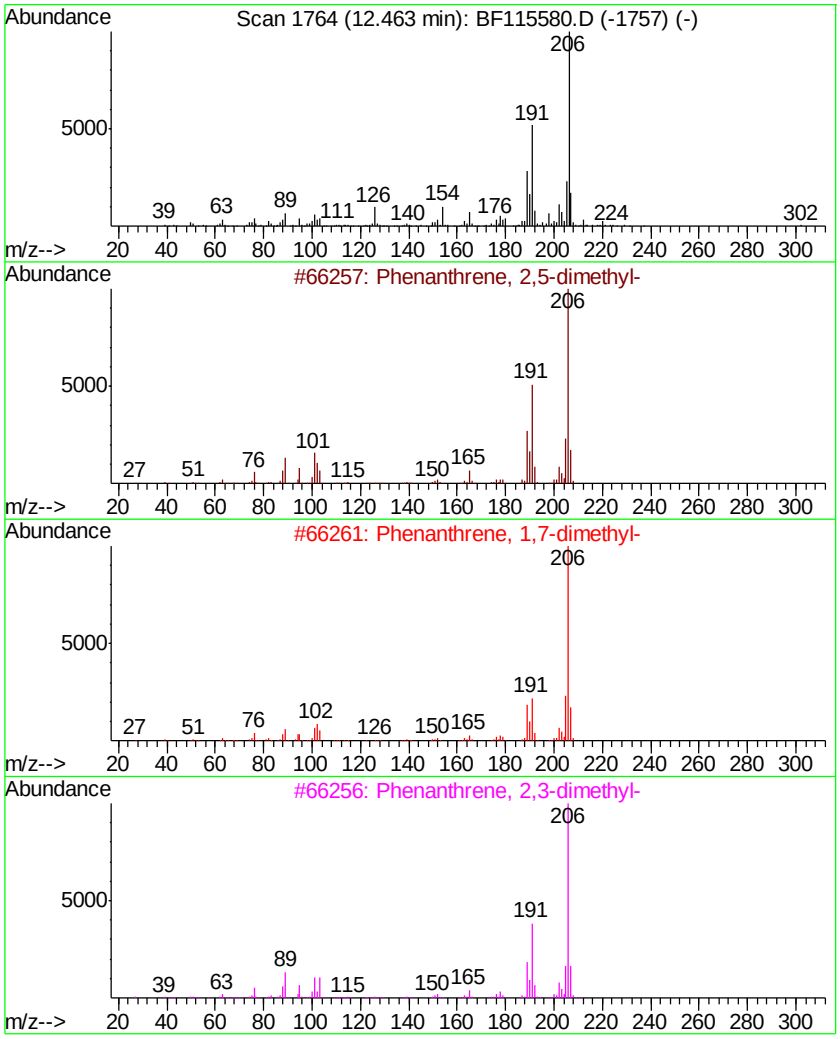
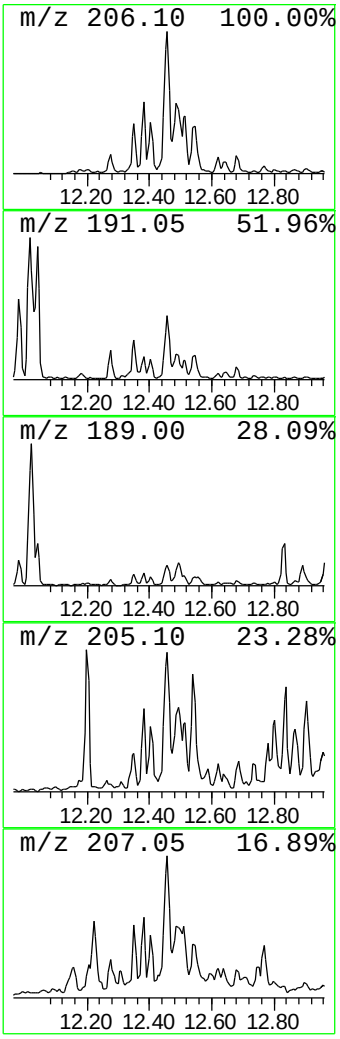
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	8.13 ng	652113	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
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ClientSampleId : SU-04-071119-A

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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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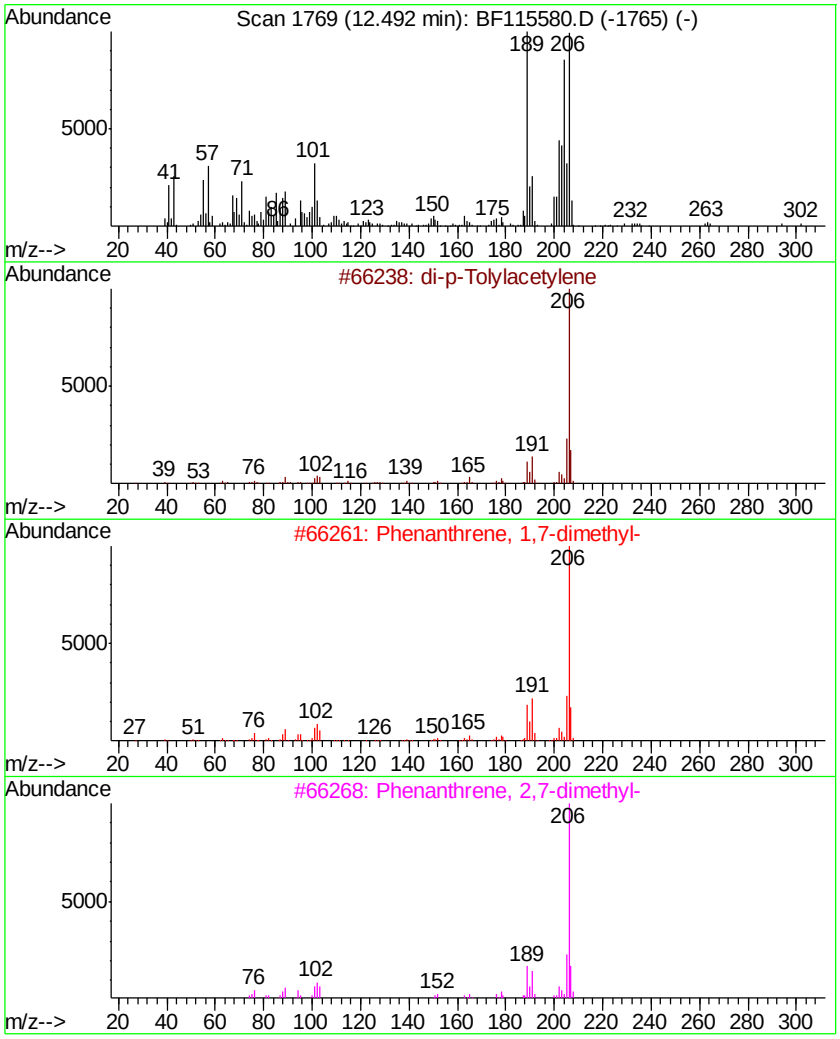
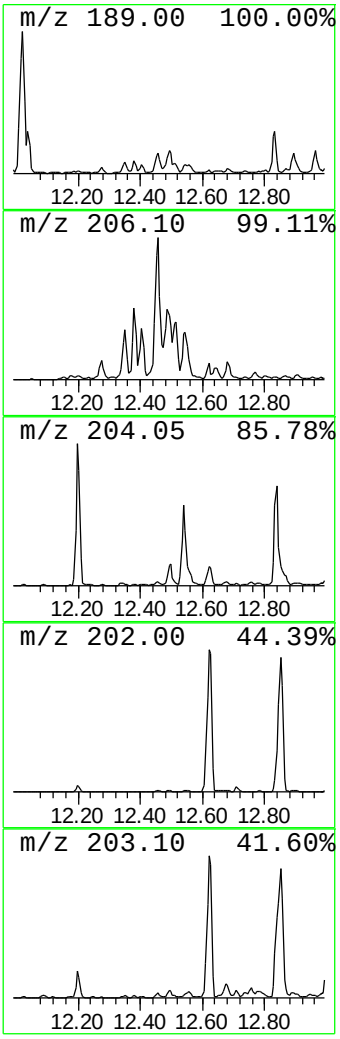
Peak Number 17 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.78 ng	463413	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	60
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	50
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	49
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	45
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115580.D
Acq On : 16 Jul 2019 1:52
Operator : HP/JU
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

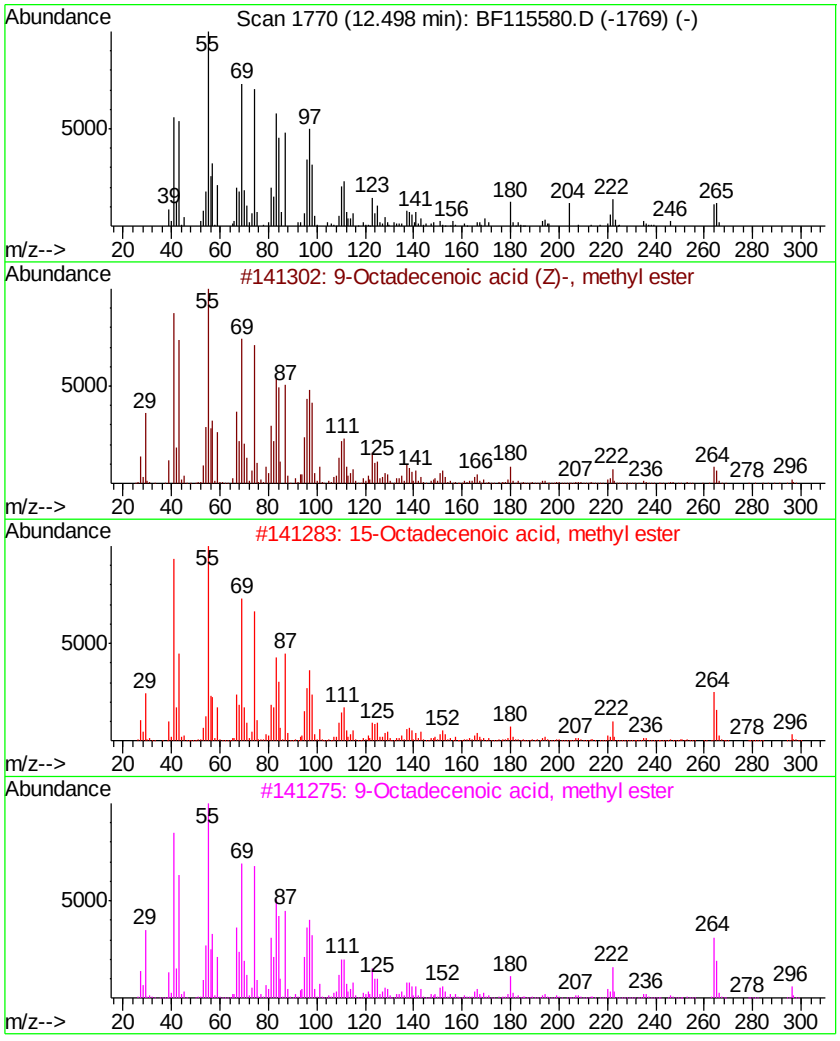
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

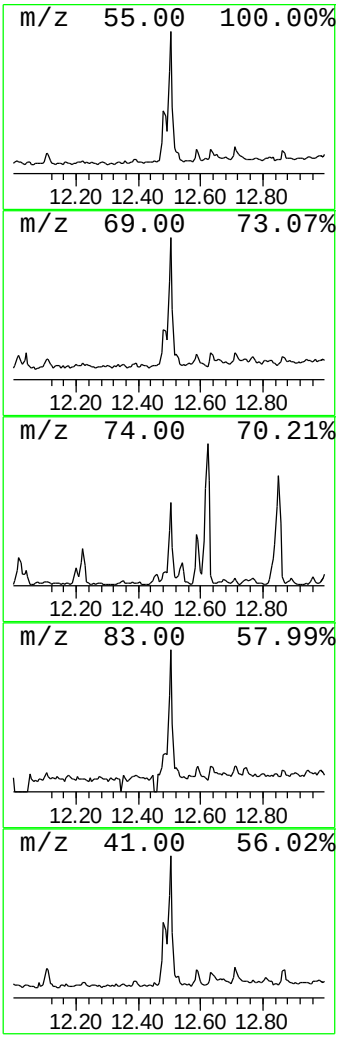
****

Peak Number 18 9-Octadecenoic acid (Z)-, m... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	7.27 ng	582889	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	98
5	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115580.D
Acq On : 16 Jul 2019 1:52
Operator : HP/JU
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

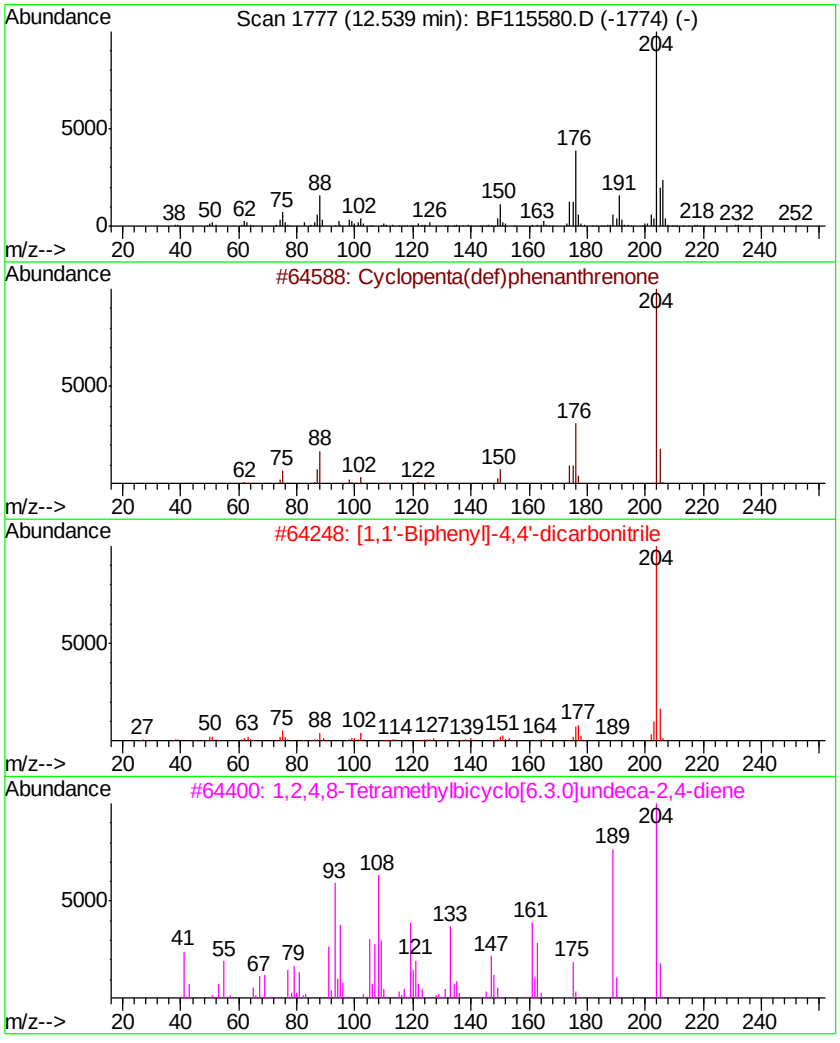
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

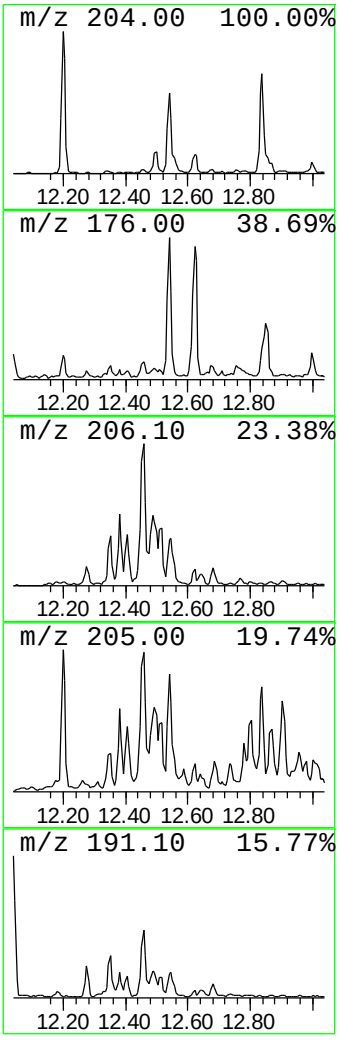
****

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	6.39 ng	512190	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115580.D
Acq On : 16 Jul 2019 1:52
Operator : HP/JU
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

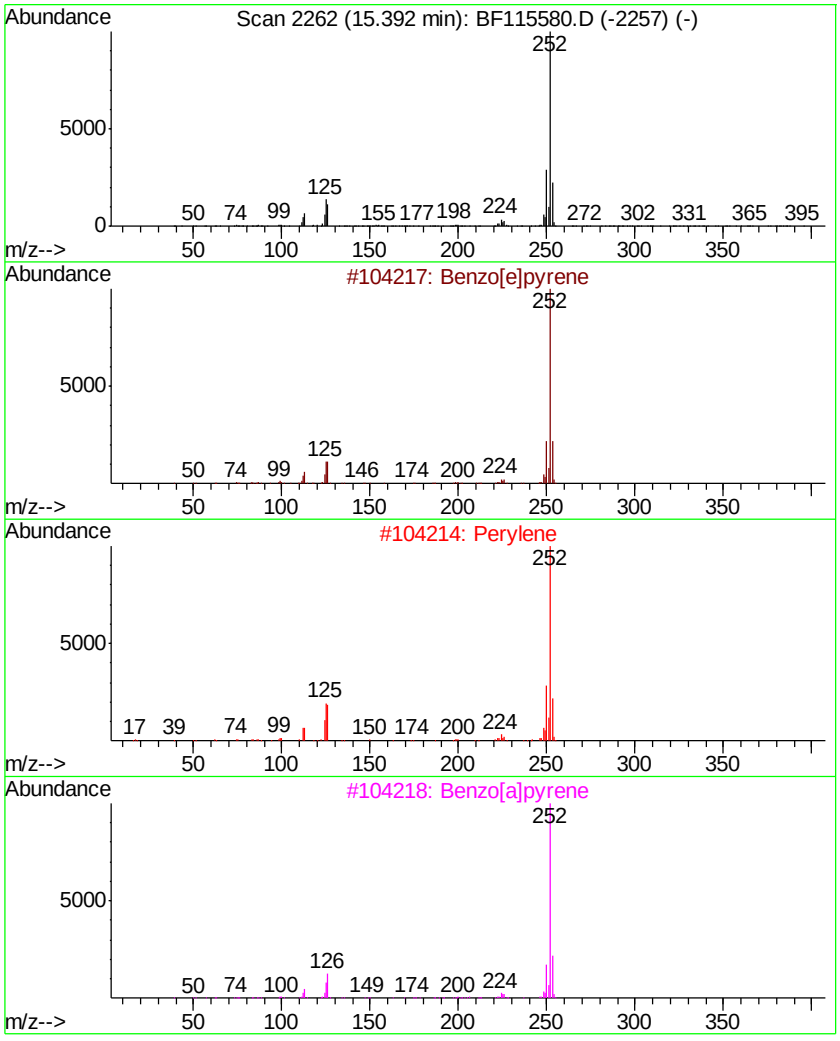
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

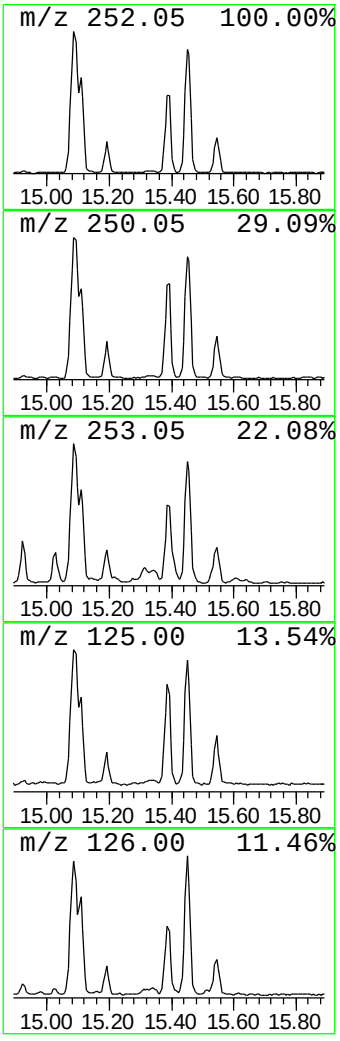
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	15.10 ng	931472	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071519\
Data File : BF115580.D
Acq On : 16 Jul 2019 1:52
Operator : HP/JU
Sample : K3626-05 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071119-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.18	10.1	ng	841182	1	6.88	1658580	20.0
unknown6.65	6.65	23.8	ng	1976440	1	6.88	1658580	20.0
9H-Fluorene, 2-me...	11.02	5.1	ng	405753	4	11.40	1603800	20.0
9H-Fluoren-9-one	11.21	8.6	ng	688539	4	11.40	1603800	20.0
2,4,6-Trimethoxyb...	11.25	4.3	ng	346025	4	11.40	1603800	20.0
Dibenzothiophene	11.30	7.2	ng	573090	4	11.40	1603800	20.0
Dibenzothiophene,...	11.73	4.0	ng	323640	4	11.40	1603800	20.0
Anthracene, 2-met...	11.90	13.3	ng	1068930	4	11.40	1603800	20.0
Phenanthrene, 2-m...	11.93	15.7	ng	1255600	4	11.40	1603800	20.0
Phenanthrene, 1-m...	11.98	5.6	ng	445497	4	11.40	1603800	20.0
4H-Cyclopenta[def...	12.02	18.2	ng	1457900	4	11.40	1603800	20.0
Phenanthrene, 4-m...	12.04	5.8	ng	468997	4	11.40	1603800	20.0
Naphthalene, 2-ph...	12.20	6.6	ng	531052	4	11.40	1603800	20.0
9,10-Anthracenedione	12.22	6.1	ng	492526	4	11.40	1603800	20.0
Phenanthrene, 2,5...	12.46	8.1	ng	652113	4	11.40	1603800	20.0
di-p-Tolylacetylene	12.49	5.8	ng	463413	4	11.40	1603800	20.0
9-Octadecenoic ac...	12.50	7.3	ng	582889	4	11.40	1603800	20.0
Cyclopenta(def)ph...	12.54	6.4	ng	512190	4	11.40	1603800	20.0
Benzo[e]pyrene	15.39	15.1	ng	931472	6	15.52	1233920	20.0