LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119185.D
Acq On : 2 Mar 2020 23:18
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

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-BF022020.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	5.381	556	560	579	rBV	1232979	1876415	14.81%	2.130%
2	6.398	730	733	759	rBV	1309511	1817155	14.35%	2.063%
3	6.739	787	791	799	rBV	698394	589467	4.65%	0.669%
4	6.892	814	817	821	rBV	1763644	1698867	13.41%	1.928%
5	7.298	882	886	898	rBV	1089935	1120666	8.85%	1.272%
6	8.022	1005	1009	1011	rBV	724566	702353	5.54%	0.797%
7	8.828	1140	1146	1150	rBV2	108477	130387	1.03%	0.148%
8	9.092	1187	1191	1198	rBV	2582983	2276533	17.97%	2.584%
9	9.433	1245	1249	1251	rBV	145220	146239	1.15%	0.166%
10	9.486	1255	1258	1265	rVB	234482	213125	1.68%	0.242%
11	9.633	1280	1283	1287	rVB	334642	282831	2.23%	0.321%
12	9.769	1300	1306	1309	rBV	864492	869916	6.87%	0.987%
13	9.804	1309	1312	1316	rVB	382187	329146	2.60%	0.374%
14	9.975	1337	1341	1345	rBV	255915	247049	1.95%	0.280%
15	10.316	1396	1399	1405	rVB	427078	436494	3.45%	0.495%
16	10.475	1423	1426	1430	rVB	143299	148464	1.17%	0.169%
17	10.563	1437	1441	1445	rBV	1776524	1535457	12.12%	1.743%
18	10.686	1457	1462	1468	rVB4	88065	134363	1.06%	0.153%
19	10.869	1487	1493	1495	rBV3	138731	171552	1.35%	0.195%
20	10.992	1509	1514	1516	rBV2	116998	146548	1.16%	0.166%
21	11.016	1516	1518	1524	rVV	138504	166922	1.32%	0.189%
22	11.069	1524	1527	1530	rVV	256555	245891	1.94%	0.279%
23	11.110	1530	1534	1538	rVV3	134300	218119	1.72%	0.248%
24	11.151	1538	1541	1547	rVB	361606	365935	2.89%	0.415%
25	11.257	1555	1559	1561	rBV	896354	942661	7.44%	1.070%
26	11.286	1561	1564	1567	rVV	4611973	4726000	37.31%	5.365%
27	11.333	1567	1572	1575	rVV	1360529	1220106	9.63%	1.385%
28	11.369	1575	1578	1584	rVB2	108254	146799	1.16%	0.167%
29	11.492	1594	1599	1606	rBV2	415702	582115	4.60%	0.661%
30	11.551	1606	1609	1611	rVV	188405	175007	1.38%	0.199%
31	11.586	1612	1615	1620	rVB2	158780	222214	1.75%	0.252%
32	11.757	1641	1644	1647	rBV	782188	773622	6.11%	0.878%
33	11.786	1647	1649	1653	rVV	1261932	1186701	9.37%	1.347%
34	11.833	1655	1657	1660	rVV	336870	312571	2.47%	0.355%

LSC Area Percent Report

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Sample : L1743-08
Misc :
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Instrument : BNA_F
ClientSampleId : C-3

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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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.874	1660	1664	1666	rVV	1210303	1380652	10.90%	1.567%
36	11.892	1666	1667	1672	rVB	651549	433551	3.42%	0.492%
37	12.051	1691	1694	1697	rBV2	661049	644361	5.09%	0.731%
38	12.086	1697	1700	1704	rVB	584657	526846	4.16%	0.598%
39	12.174	1711	1715	1718	rBV	1350830	1202382	9.49%	1.365%
40	12.204	1718	1720	1723	rVV	184363	151129	1.19%	0.172%
41	12.233	1723	1725	1728	rVV	199989	168394	1.33%	0.191%
42	12.310	1734	1738	1741	rBV	528228	580554	4.58%	0.659%
43	12.351	1741	1745	1747	rVV2	325144	391430	3.09%	0.444%
44	12.404	1750	1754	1759	rBV2	403881	504639	3.98%	0.573%
45	12.486	1762	1768	1771	rBV	6123011	7136721	56.34%	8.101%
46	12.539	1775	1777	1779	rVB	207925	154974	1.22%	0.176%
47	12.569	1779	1782	1786	rBV2	286901	311751	2.46%	0.354%
48	12.621	1788	1791	1795	rVB2	424694	381609	3.01%	0.433%
49	12.716	1800	1807	1810	rBV2	5236622	7365390	58.15%	8.361%
50	12.751	1811	1813	1819	rVB2	328968	353516	2.79%	0.401%
51	12.839	1822	1828	1831	rBV2	2729546	3012857	23.79%	3.420%
52	12.863	1831	1832	1835	rVB	314628	216292	1.71%	0.246%
53	12.927	1838	1843	1846	rBV2	426950	685839	5.41%	0.779%
54	13.010	1853	1857	1858	rBV2	454795	499890	3.95%	0.567%
55	13.033	1858	1861	1864	rVB	983383	949085	7.49%	1.077%
56	13.098	1869	1872	1874	rVV	634901	549142	4.34%	0.623%
57	13.133	1874	1878	1882	rVV3	771395	1009145	7.97%	1.145%
58	13.227	1891	1894	1897	rBV	439728	402066	3.17%	0.456%
59	13.257	1897	1899	1902	rVV	495929	436155	3.44%	0.495%
60	13.310	1906	1908	1912	rVB2	330959	321329	2.54%	0.365%
61	13.410	1922	1925	1927	rBV2	163686	213681	1.69%	0.243%
62	13.545	1945	1948	1952	rBV	625882	565081	4.46%	0.641%
63	13.651	1963	1966	1968	rBV	738637	668534	5.28%	0.759%
64	13.674	1968	1970	1972	rVV	601165	473609	3.74%	0.538%
65	13.704	1972	1975	1980	rVV3	510985	801610	6.33%	0.910%
66	13.757	1980	1984	1990	rVB	658437	830142	6.55%	0.942%
67	13.821	1992	1995	1998	rVB	182613	161987	1.28%	0.184%
68	13.886	2000	2006	2012	rBV2	7777711	12666948	100.00%	14.378%
69	13.933	2012	2014	2021	rVB	3025677	3018418	23.83%	3.426%
70	14.010	2025	2027	2030	rBV	450773	334907	2.64%	0.380%
71	14.251	2066	2068	2071	rBV	253430	250190	1.98%	0.284%

LSC Area Percent Report

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Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

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	14.292	2072	2075	2077	rVV	606367	549739	4.34%	0.624%
73	14.321	2077	2080	2083	rVB2	364850	343265	2.71%	0.390%
74	14.415	2094	2096	2098	rBV	258285	217506	1.72%	0.247%
75	14.774	2154	2157	2161	rBV	300011	337998	2.67%	0.384%
76	14.933	2179	2184	2187	rBV	1937209	3112316	24.57%	3.533%
77	15.033	2198	2201	2205	rVB	376160	385303	3.04%	0.437%
78	15.221	2229	2233	2238	rVB	1055593	1339425	10.57%	1.520%
79	15.280	2239	2243	2248	rVV	1525701	1904566	15.04%	2.162%
80	15.333	2249	2252	2255	rVV	470512	580703	4.58%	0.659%
81	15.362	2255	2257	2264	rVB2	464837	651025	5.14%	0.739%
82	16.751	2487	2493	2499	rVB	785536	1469749	11.60%	1.668%
83	17.180	2559	2566	2576	rVB	600995	1293274	10.21%	1.468%

Sum of corrected areas: 88097365

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119185.D
Acq On : 2 Mar 2020 23:18
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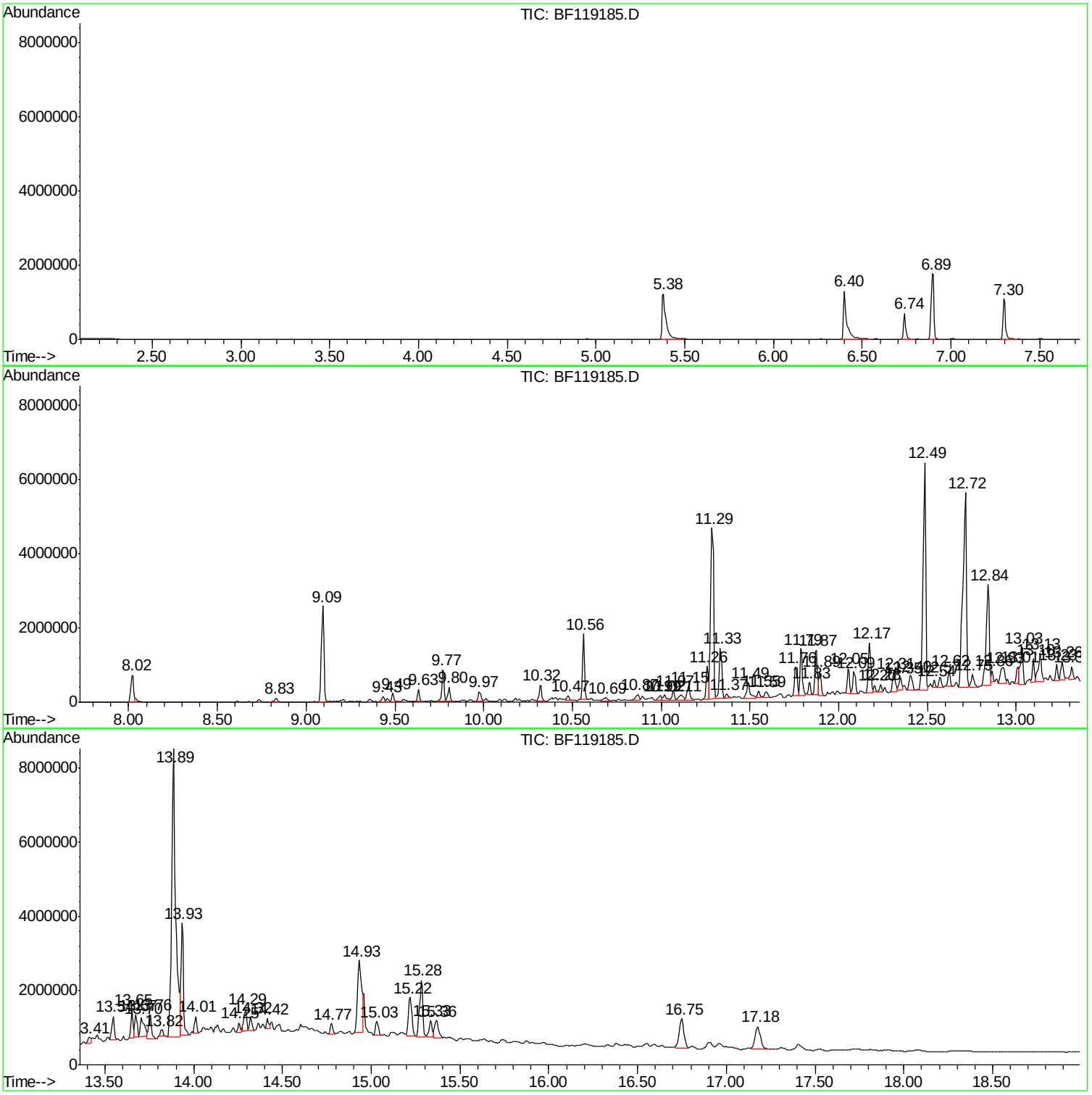
Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF030220\
Data File : BF119185.D
Acq On : 2 Mar 2020 23:18
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

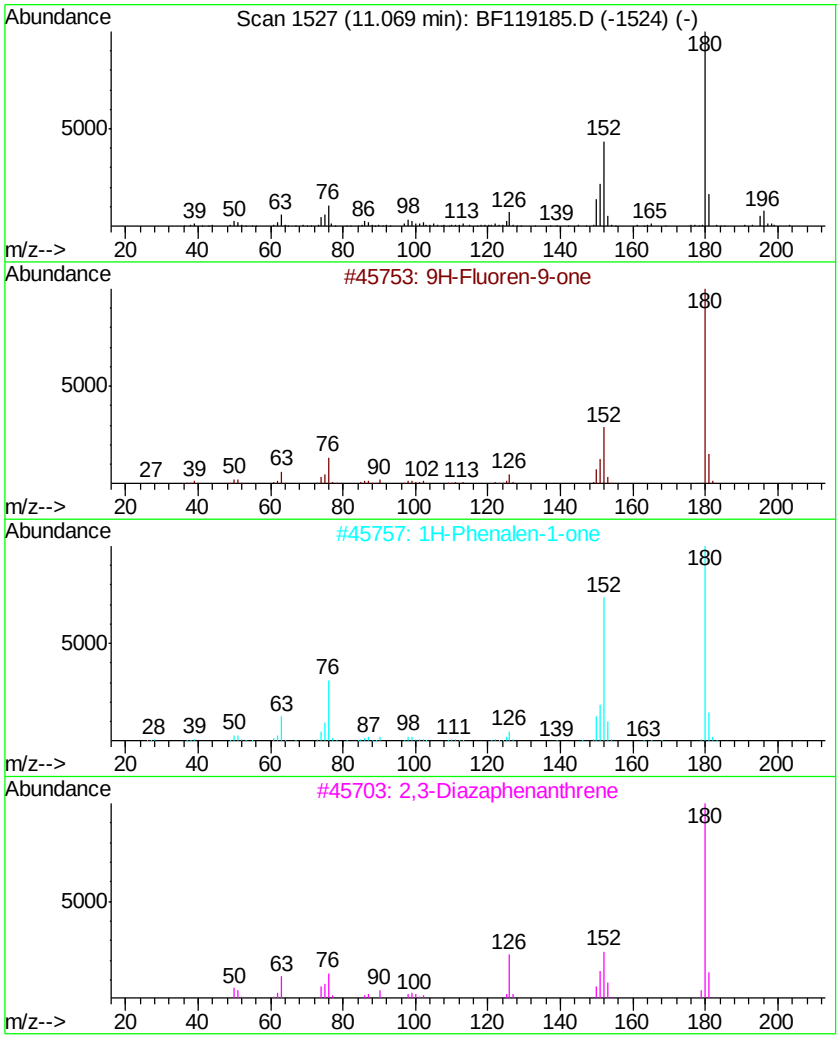
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

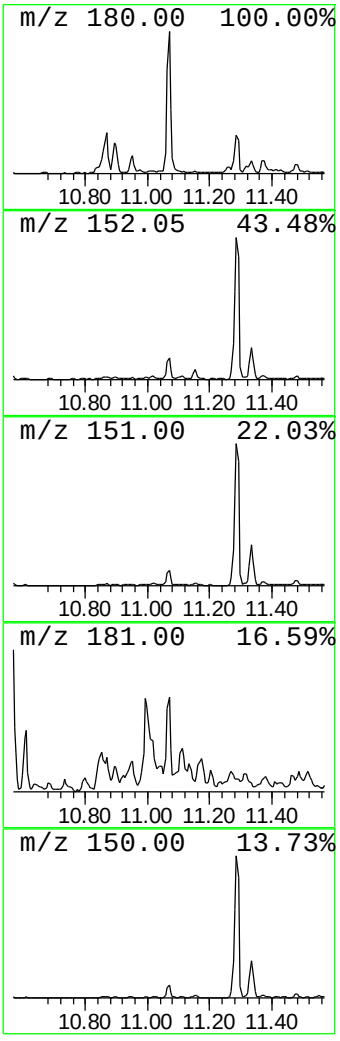
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	5.22 ng	245891	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
4	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50
5	2-Amino-4,5-dimethoxyacetophenone	195	C10H13NO3	004101-30-8	38





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Data File : BF119185.D
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Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

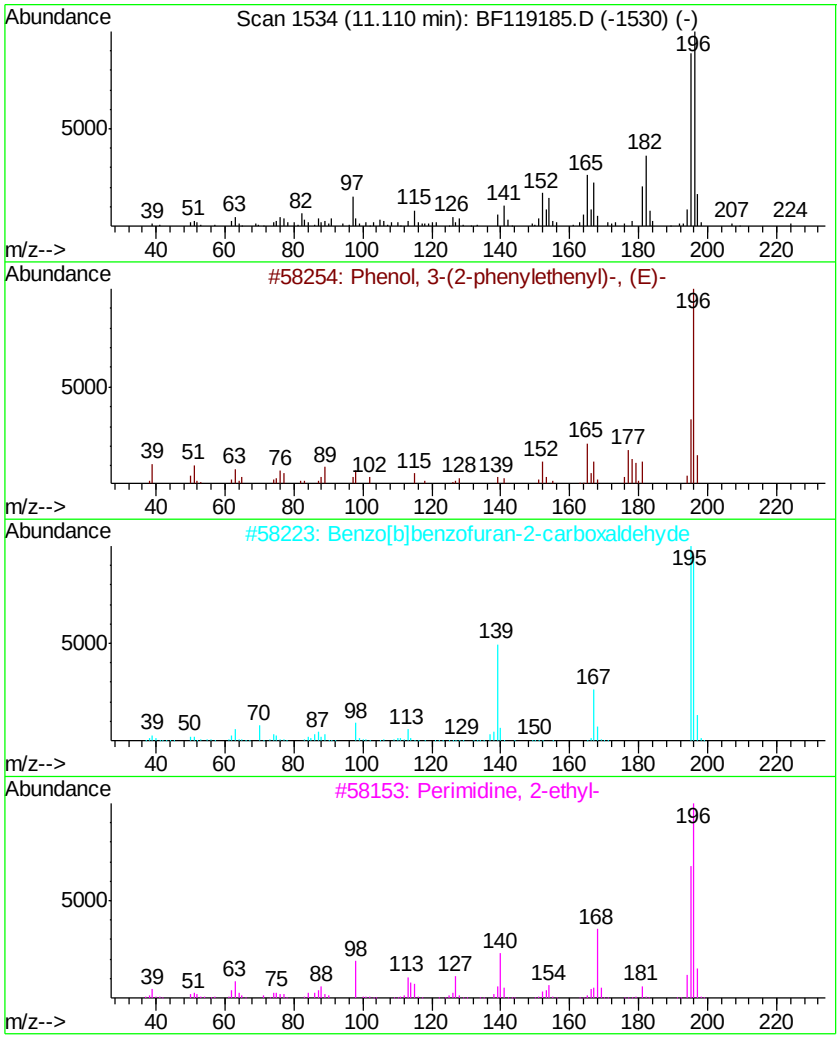
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

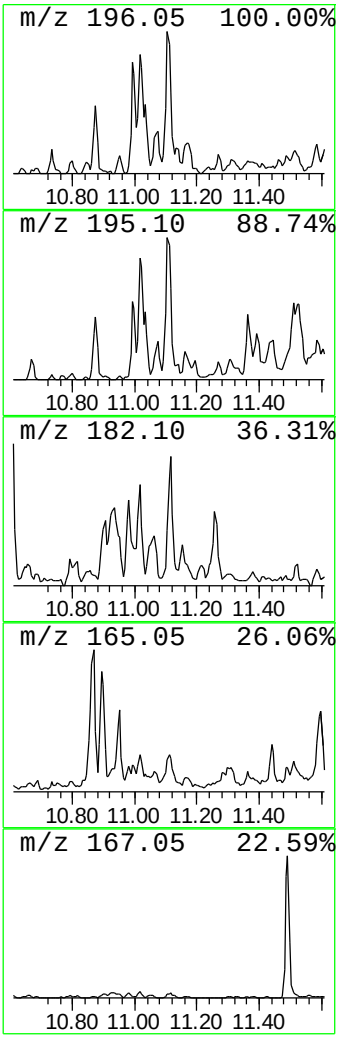
****

Peak Number 3 Phenol, 3-(2-phenylethenyl)... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	4.63 ng	218119	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	50
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119185.D
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Misc :
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Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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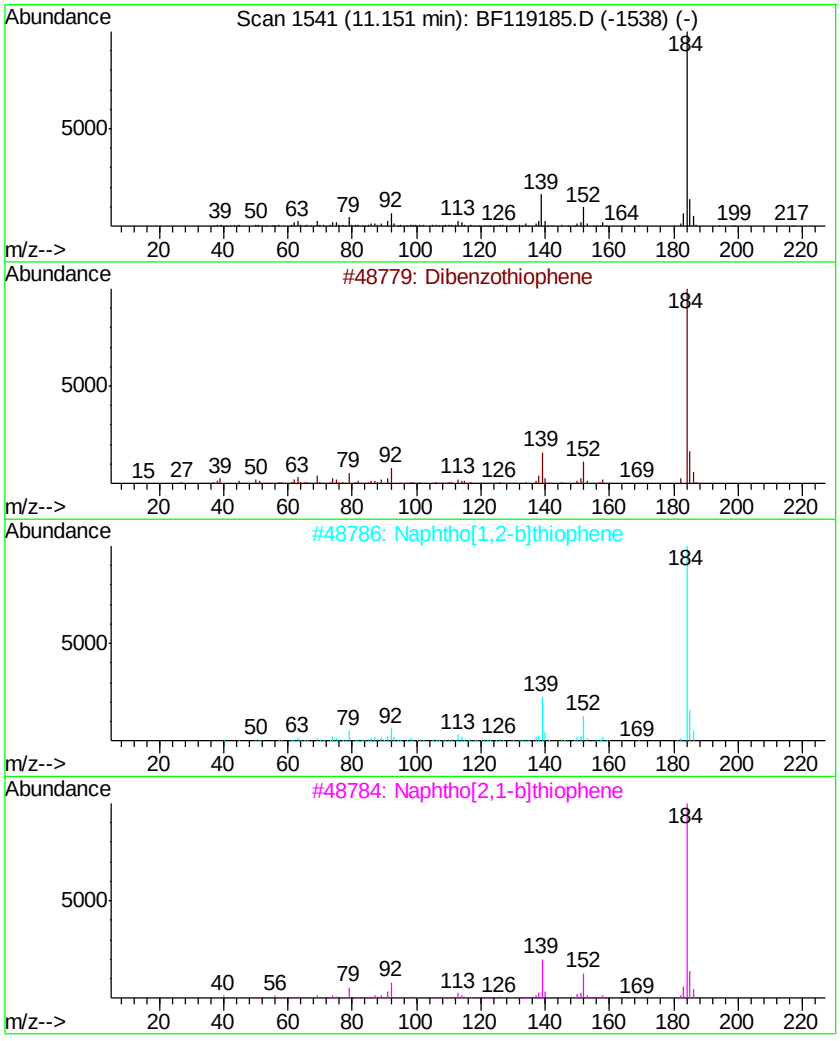
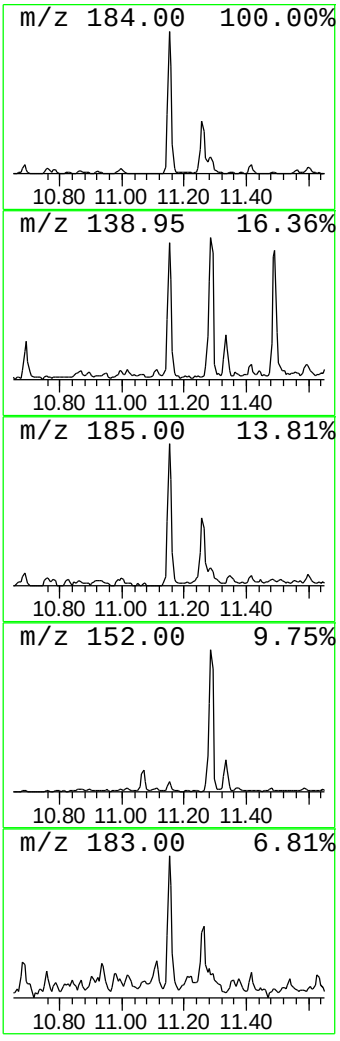
Peak Number 4 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	7.76 ng	365935	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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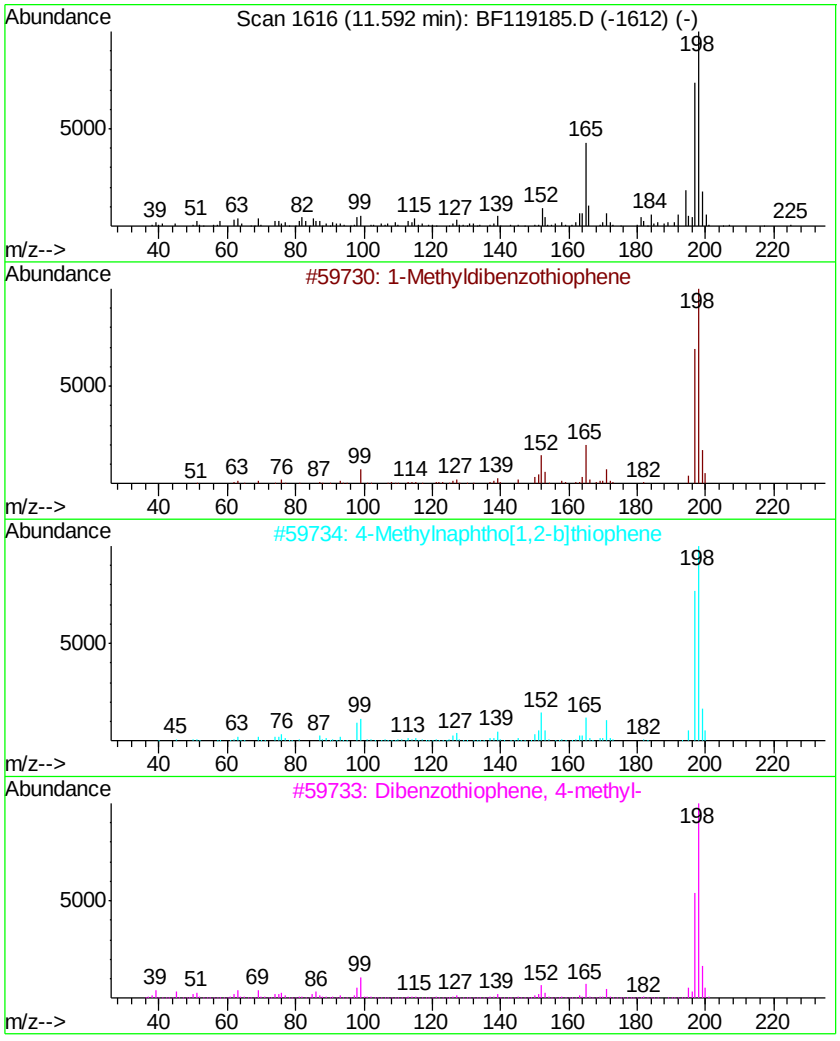
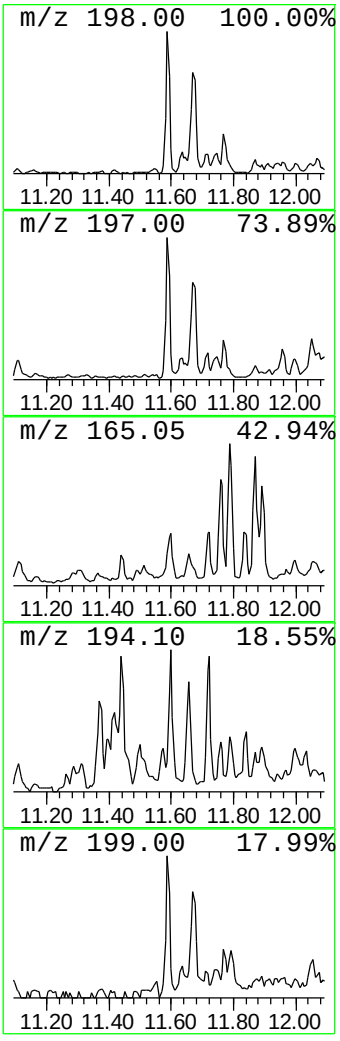
Peak Number 5 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	4.71 ng	222214	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83





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Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

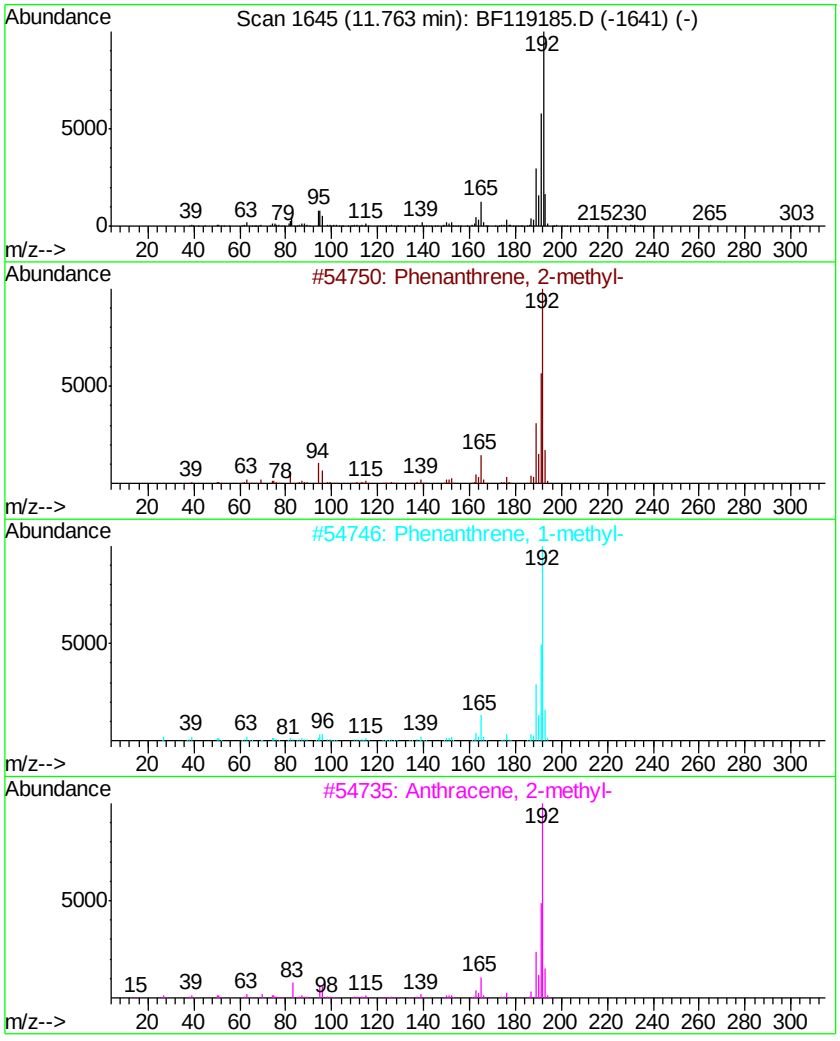
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

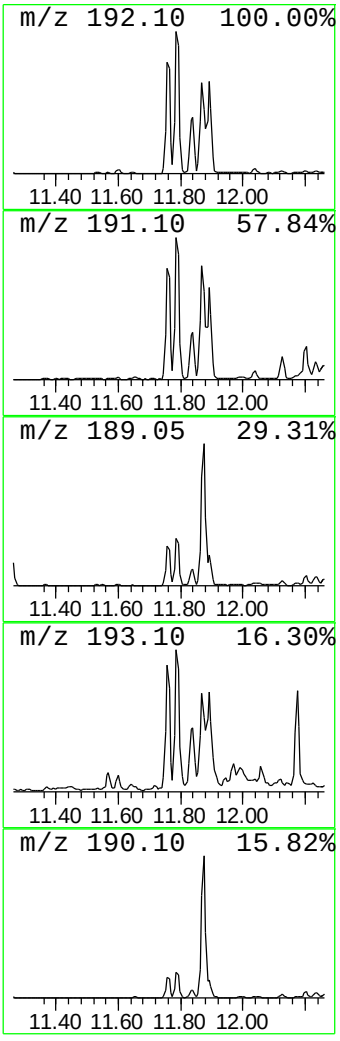
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	16.41 ng	773622	Phenanthrene-d10	11.26

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Data File : BF119185.D
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Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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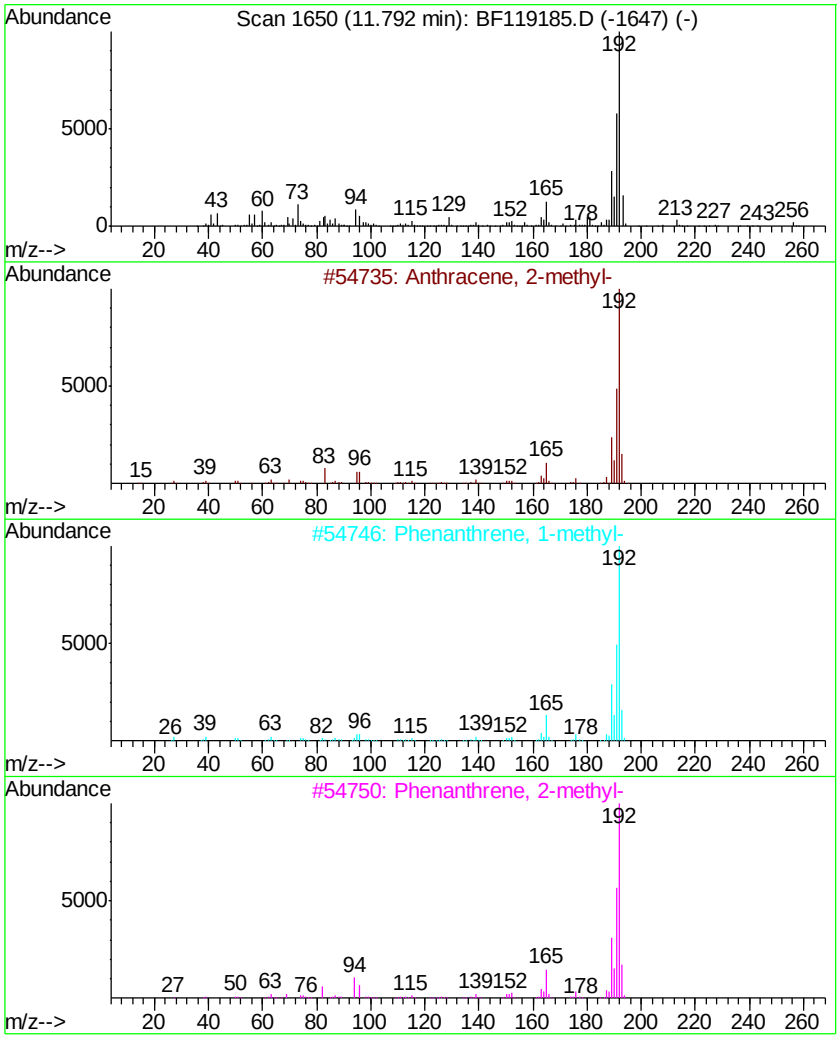
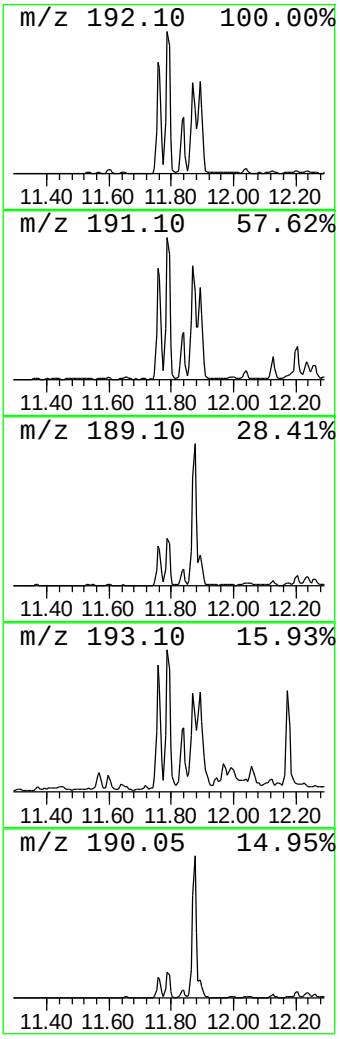
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	25.18 ng	1186700	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Operator : CG/JU
Sample : L1743-08
Misc :
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Instrument : BNA_F
ClientSampleId : C-3

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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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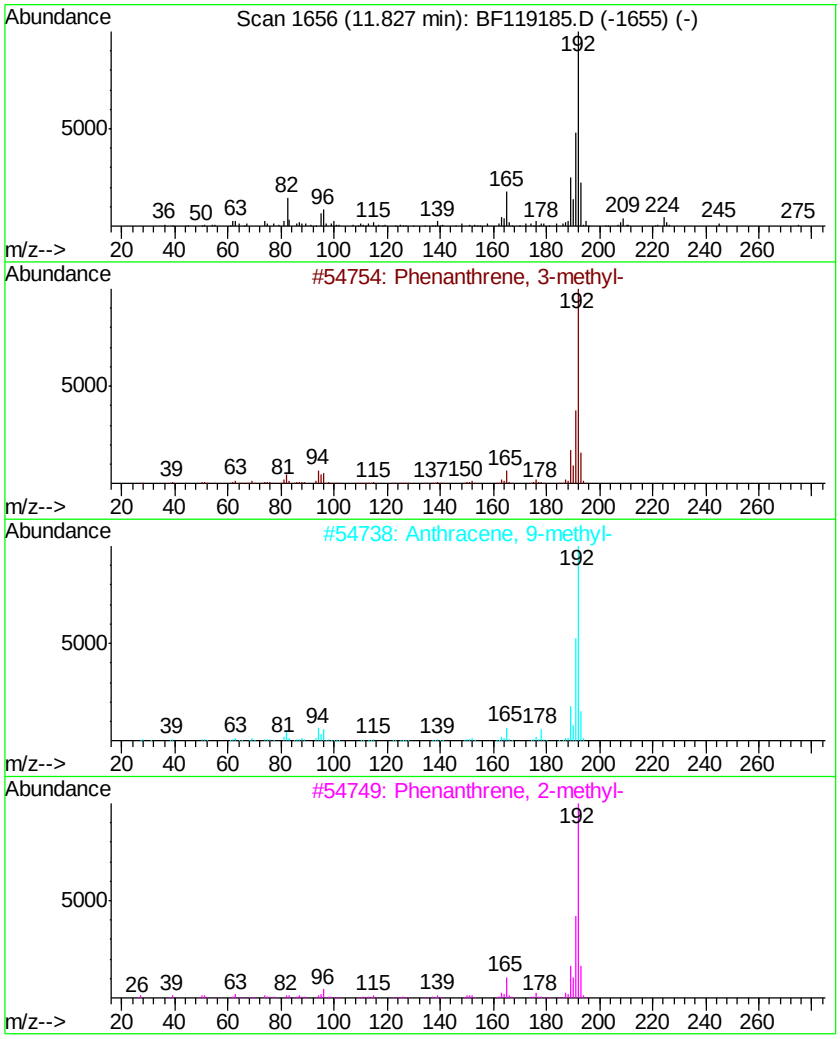
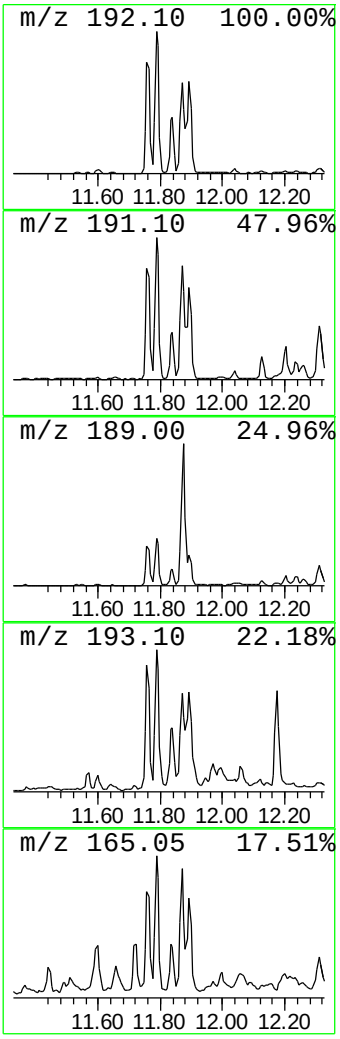
Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.63 ng	312571	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93





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Instrument : BNA_F
ClientSampleId : C-3

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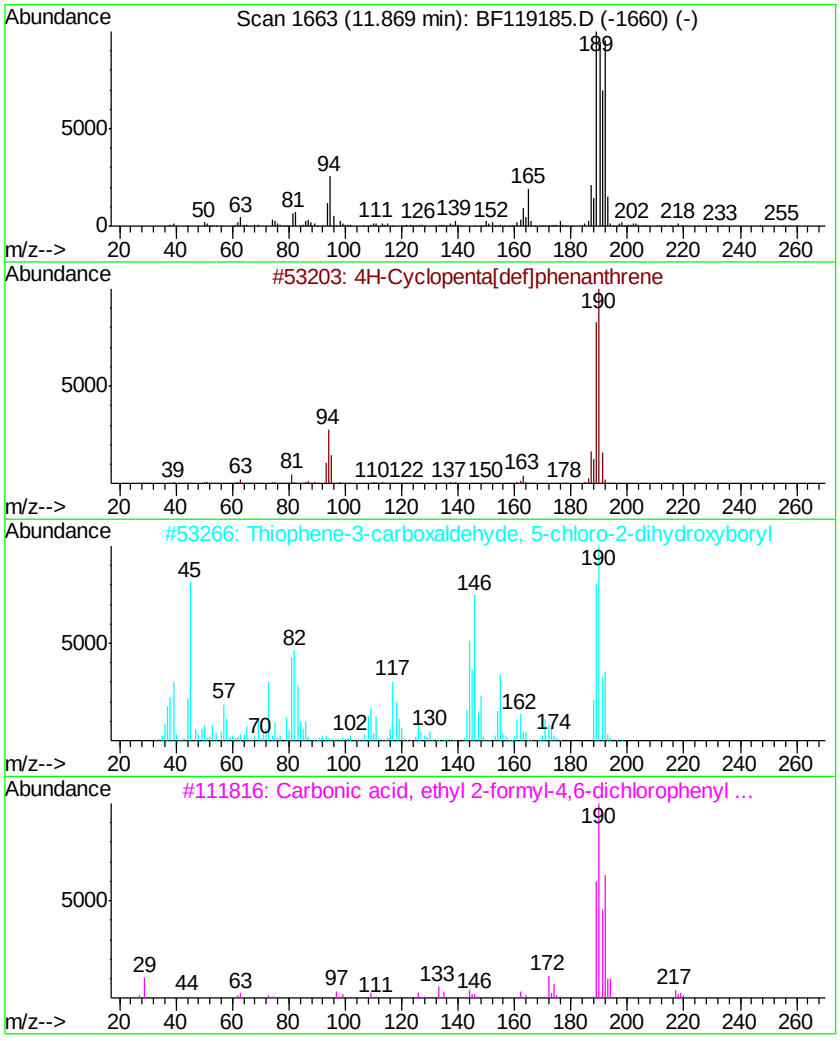
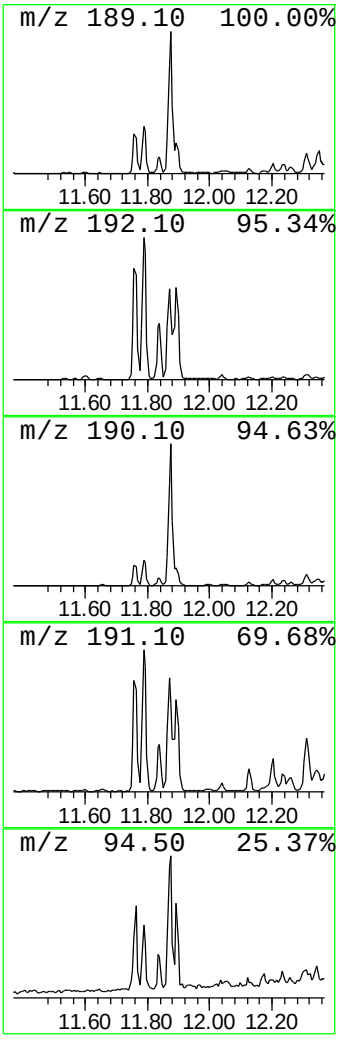
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	29.29 ng	1380650	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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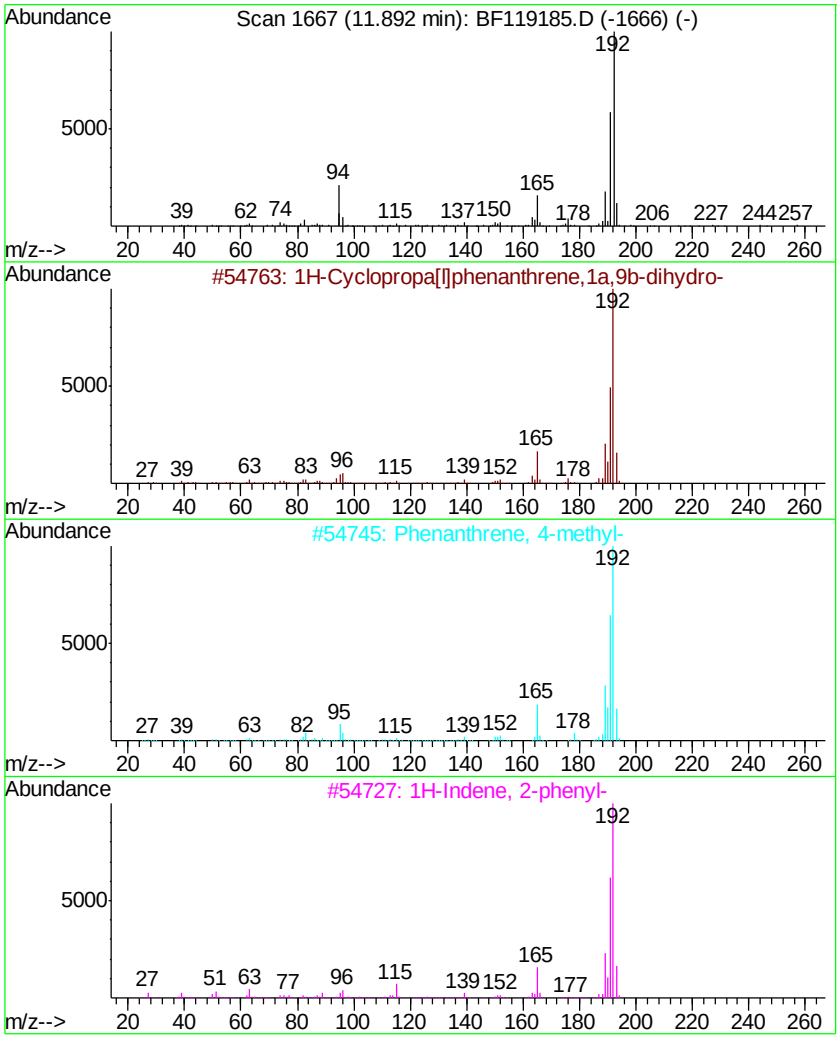
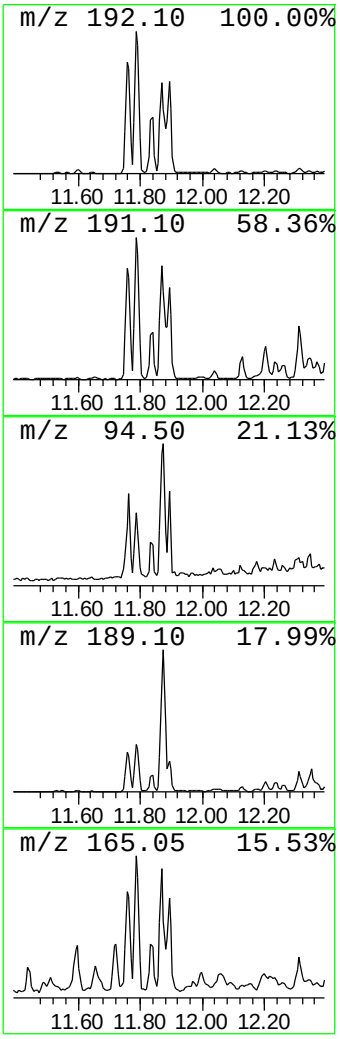
****

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.20 ng	433551	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76





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Instrument : BNA_F
ClientSampleId : C-3

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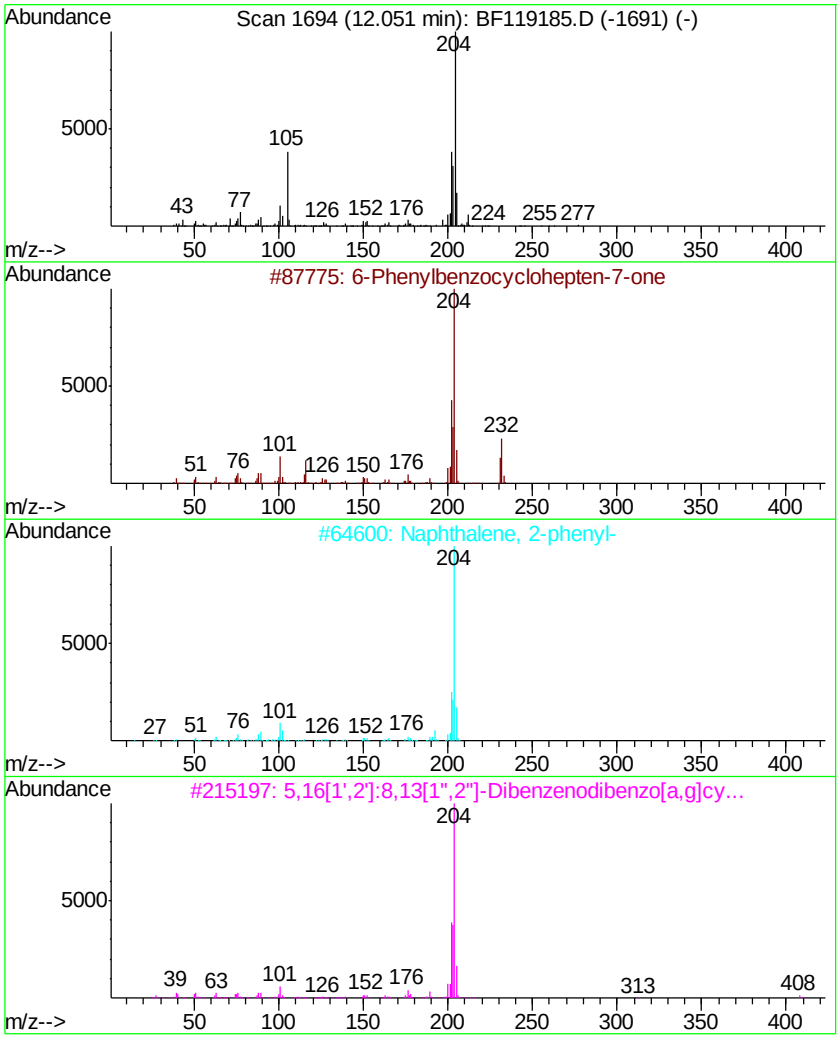
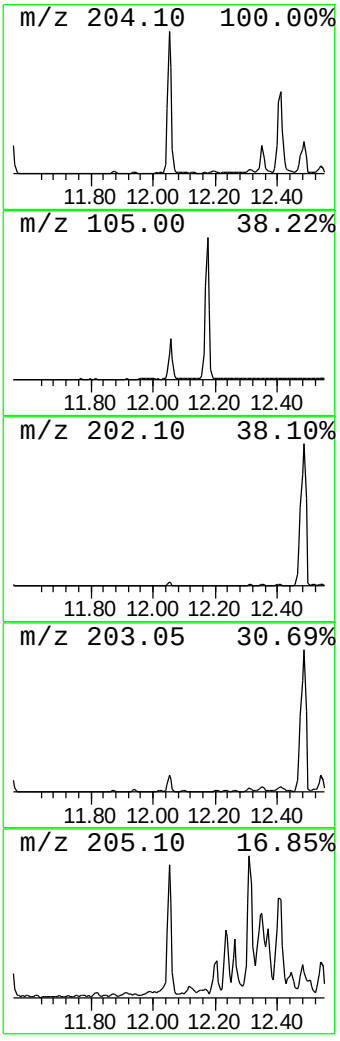
Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	13.67 ng	644361	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	43





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Operator : CG/JU
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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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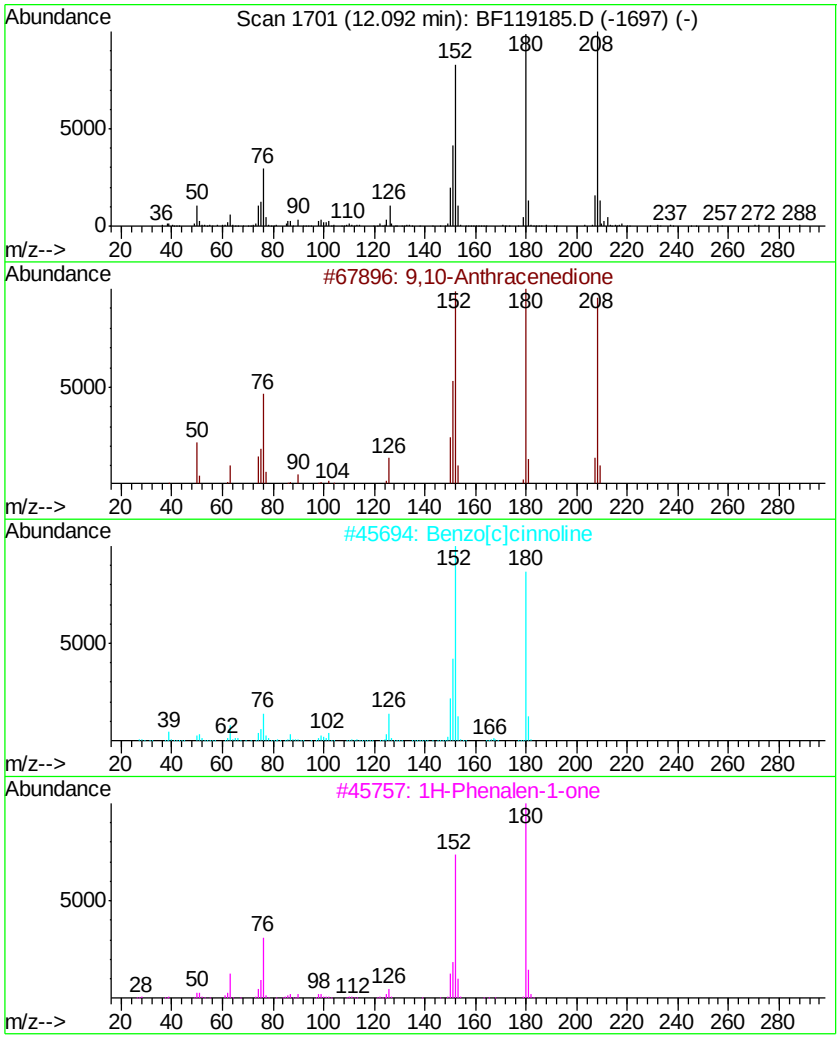
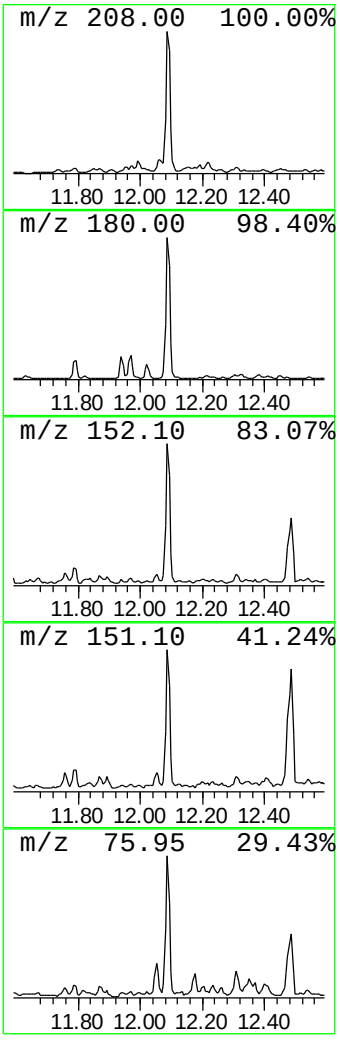
Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	11.18 ng	526846	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Instrument : BNA_F
ClientSampleId : C-3

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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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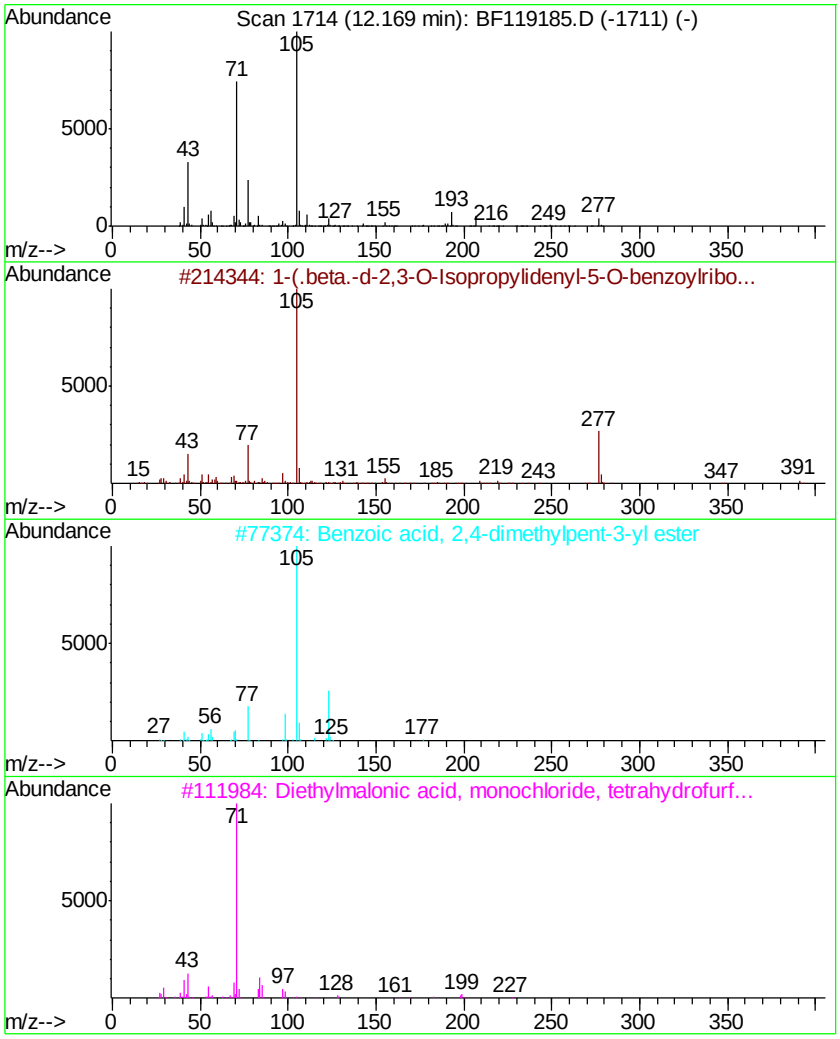
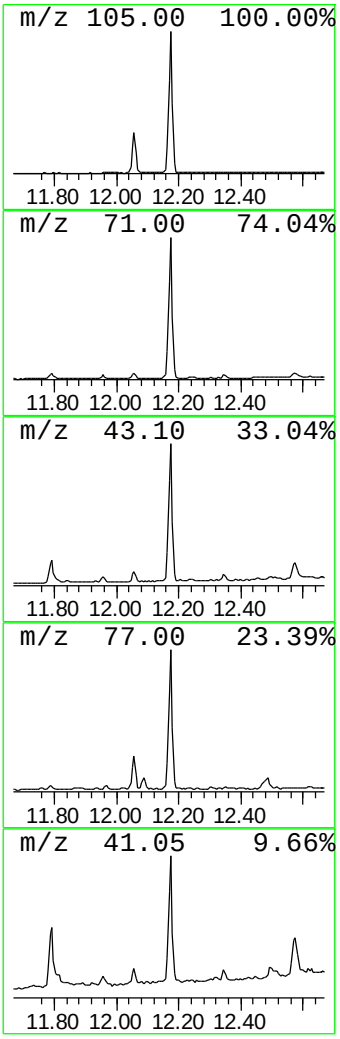
Peak Number 13 unknown12.17 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	25.51 ng	1202380	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(.beta.-d-2,3-O-Isopropylidenyl...	406	C19H19FN2O7	1000286-49-4	27
2	Benzoic acid, 2,4-dimethylpent-3...	220	C14H20O2	1000368-26-3	22
3	Diethylmalonic acid, monochlorid...	262	C12H19ClO4	1000370-65-0	22
4	4-Chlorophenyl benzoate	232	C13H9ClO2	002005-08-5	22
5	Benzoic acid, 4-biphenyl ester	274	C19H14O2	1000360-68-8	22





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Sample : L1743-08
Misc :
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Instrument : BNA_F
ClientSampleId : C-3

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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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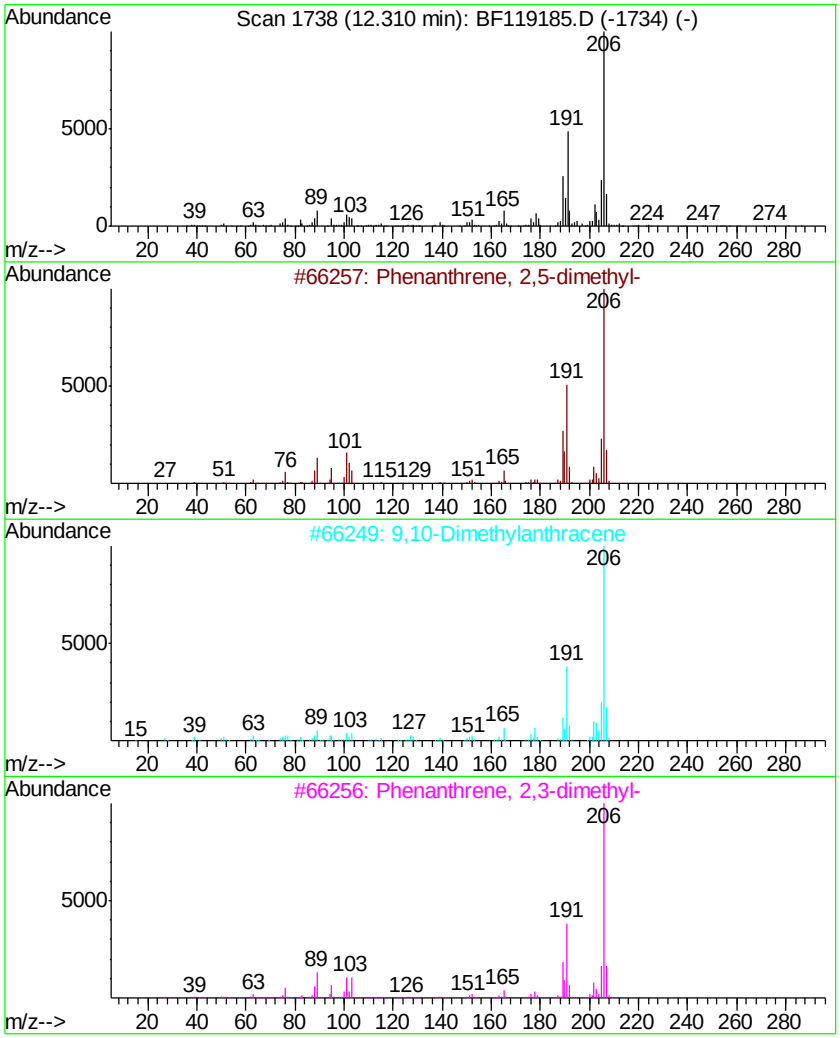
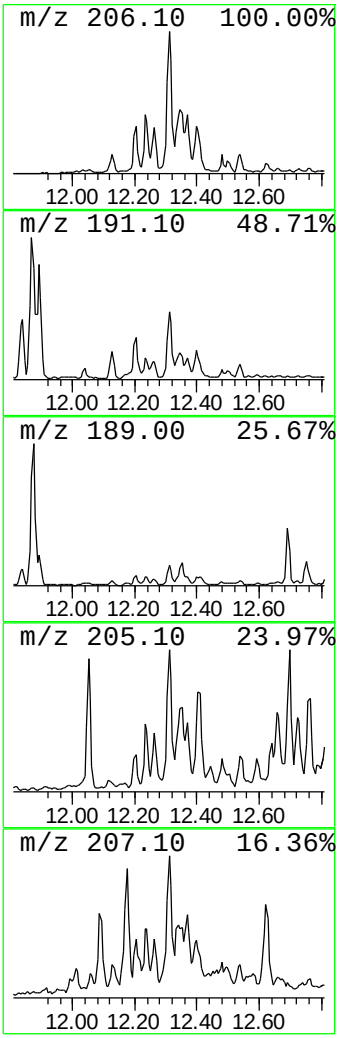
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	12.32 ng	580554	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Instrument : BNA_F
ClientSampleId : C-3

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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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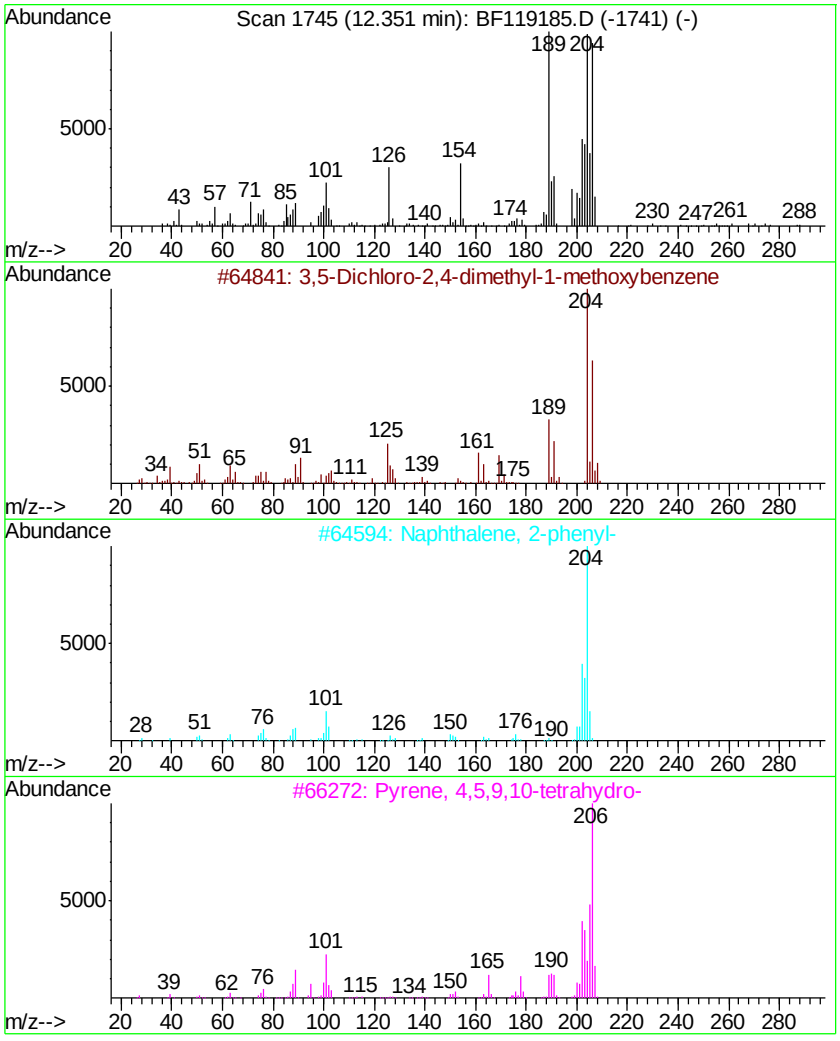
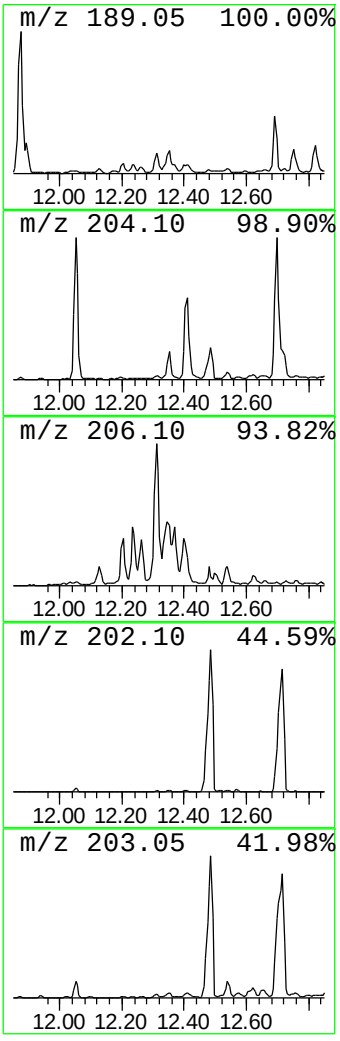
Peak Number 15 unknown12.35 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	8.30 ng	391430	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	30
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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

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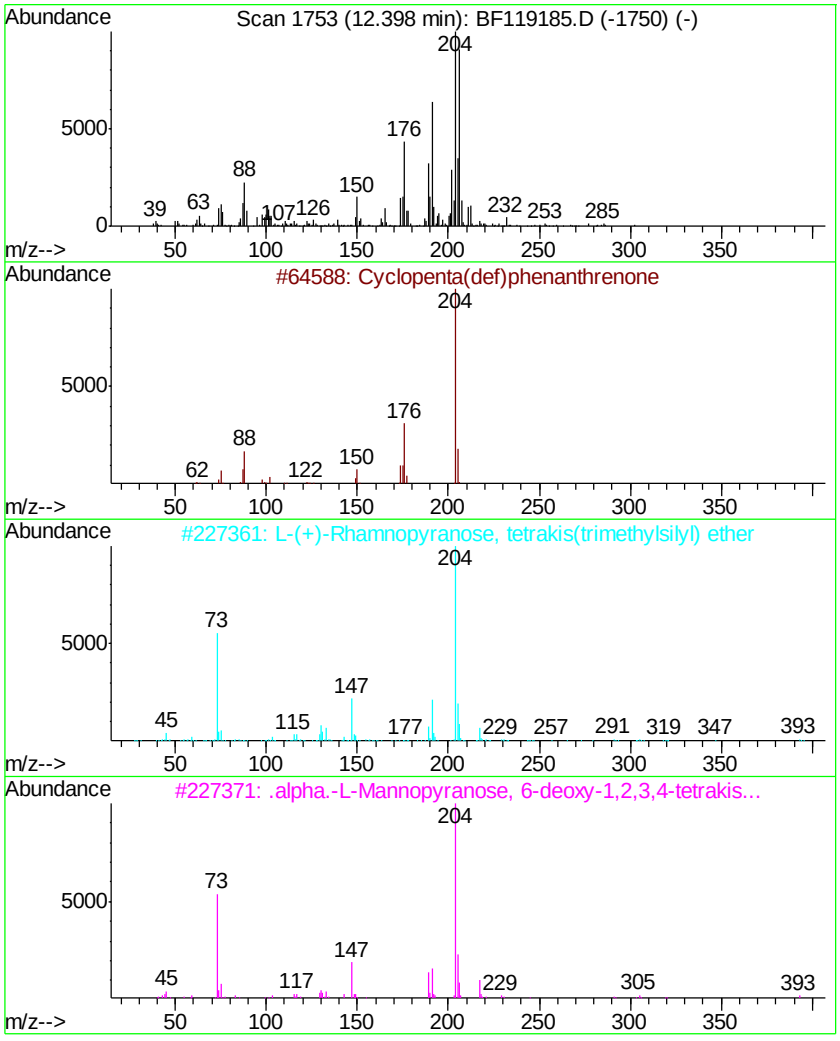
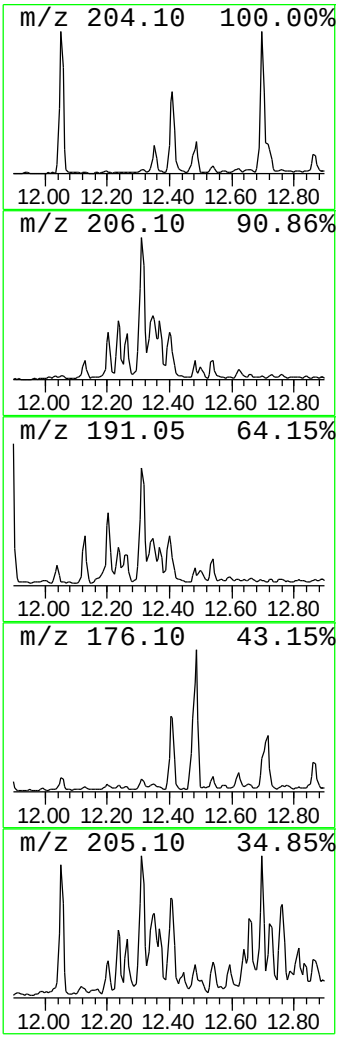
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	10.71 ng	504639	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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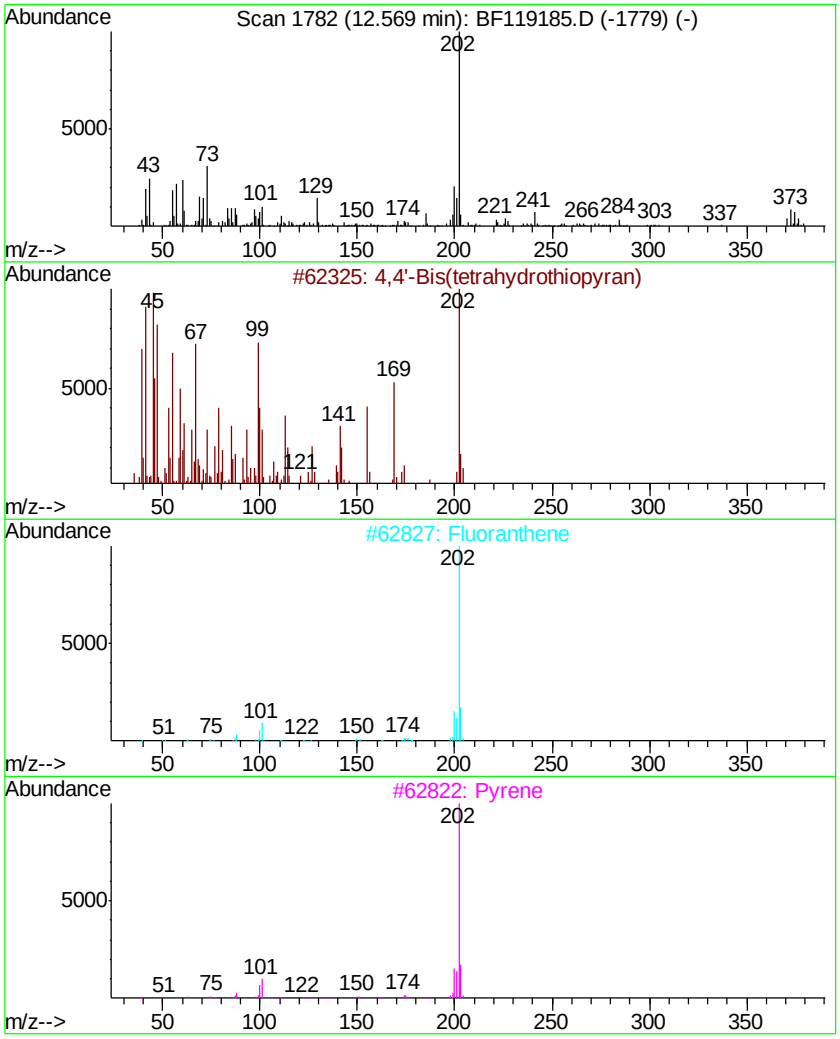
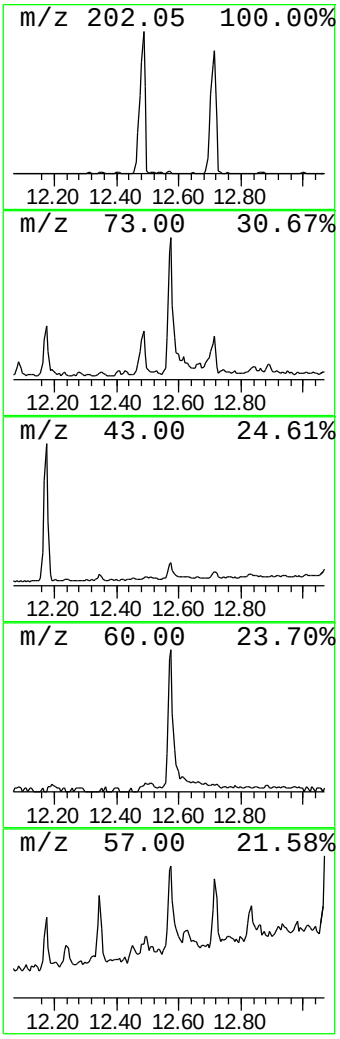
Peak Number 17 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	6.61 ng	311751	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2	Fluoranthene	202	C16H10	000206-44-0	49
3	Pyrene	202	C16H10	000129-00-0	46
4	1H-Indole-3-propanoic acid, 1-(t...	275	C15H21NO2Si	056196-72-6	36
5	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	35





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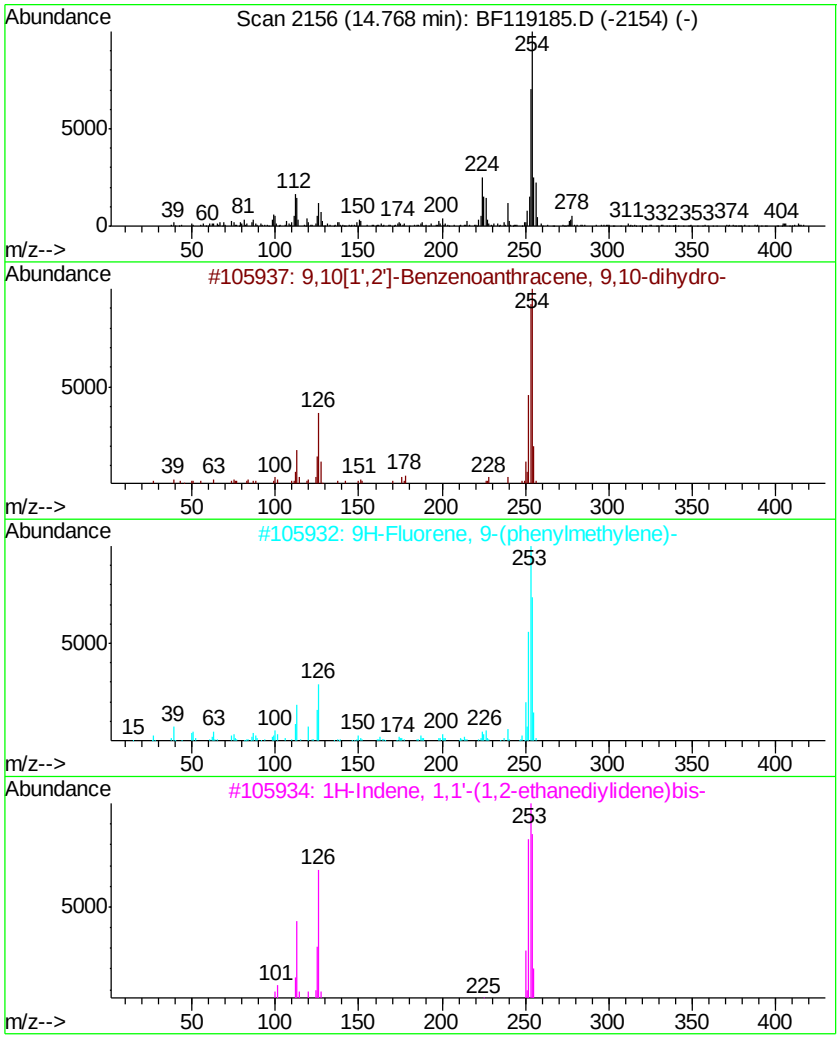
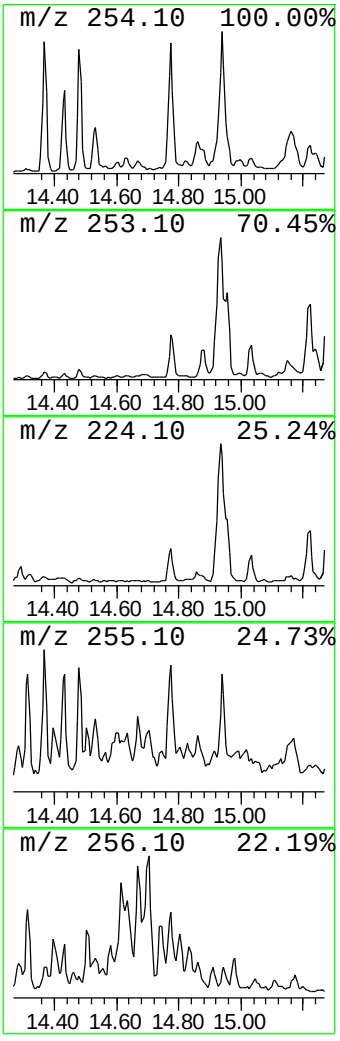
****
Peak Number 18 9,10[1',2']-Benzenoanthrace... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	11.64 ng	337998	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
3	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	68
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	68
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119185.D
Acq On : 2 Mar 2020 23:18
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

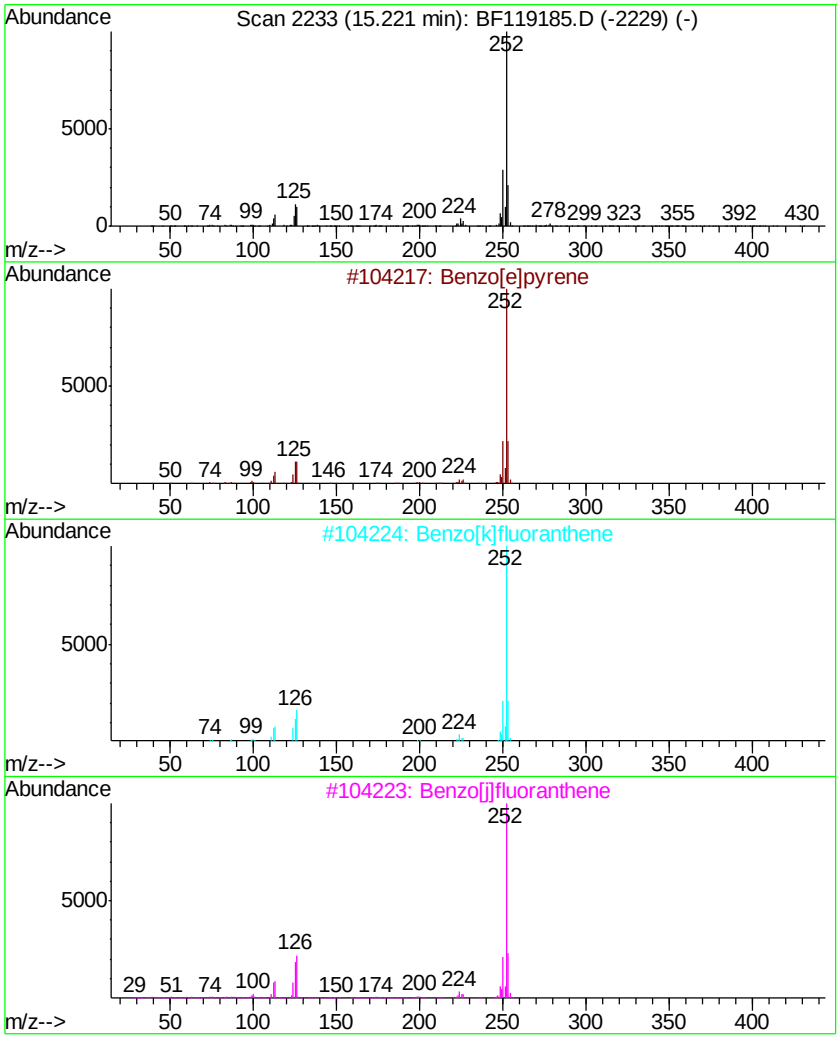
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

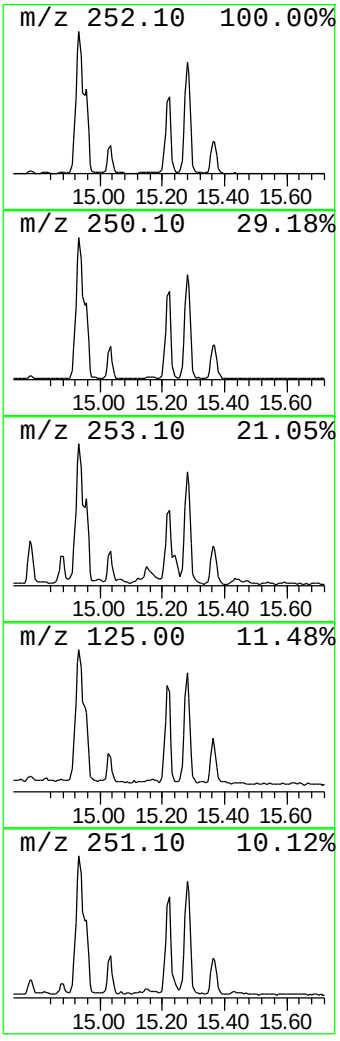
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	46.13 ng	1339430	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030220\
Data File : BF119185.D
Acq On : 2 Mar 2020 23:18
Operator : CG/JU
Sample : L1743-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
9H-Fluoren-9-one	11.07	5.2	ng	245891	4	11.26	942661	20.0
Phenol, 3-(2-phen...	11.11	4.6	ng	218119	4	11.26	942661	20.0
Dibenzothiophene	11.15	7.8	ng	365935	4	11.26	942661	20.0
1-Methyldibenzoth...	11.59	4.7	ng	222214	4	11.26	942661	20.0
Phenanthrene, 2-m...	11.76	16.4	ng	773622	4	11.26	942661	20.0
Anthracene, 2-met...	11.79	25.2	ng	1186700	4	11.26	942661	20.0
Phenanthrene, 3-m...	11.83	6.6	ng	312571	4	11.26	942661	20.0
4H-Cyclopenta[def...	11.87	29.3	ng	1380650	4	11.26	942661	20.0
1H-Cyclopropa[l]p...	11.89	9.2	ng	433551	4	11.26	942661	20.0
6-Phenylbenzocycl...	12.05	13.7	ng	644361	4	11.26	942661	20.0
9,10-Anthracenedione	12.09	11.2	ng	526846	4	11.26	942661	20.0
unknown12.17	12.17	25.5	ng	1202380	4	11.26	942661	20.0
Phenanthrene, 2,5...	12.31	12.3	ng	580554	4	11.26	942661	20.0
unknown12.35	12.35	8.3	ng	391430	4	11.26	942661	20.0
Cyclopenta(def)ph...	12.40	10.7	ng	504639	4	11.26	942661	20.0
4,4'-Bis(tetrahyd...	12.57	6.6	ng	311751	4	11.26	942661	20.0
9,10[1',2']-Benze...	14.77	11.6	ng	337998	6	15.33	580703	20.0
Benzo[e]pyrene	15.22	46.1	ng	1339430	6	15.33	580703	20.0