LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

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-BF091020.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	580	rBV	836211	965581	37.42%	2.555%
2	6.404	730	734	753	rBV	898166	965232	37.41%	2.554%
3	6.763	791	795	805	rBV	792231	618701	23.98%	1.637%
4	7.328	887	891	903	rBV	620002	625952	24.26%	1.656%
5	8.045	1009	1013	1016	rBV	889610	728132	28.22%	1.927%
6	8.857	1147	1151	1155	rBV	90977	83561	3.24%	0.221%
7	9.122	1192	1196	1206	rBV	1140454	1000864	38.79%	2.649%
8	9.239	1211	1216	1223	rVV2	273453	262749	10.18%	0.695%
9	9.386	1235	1241	1245	rBV	55683	71127	2.76%	0.188%
10	9.457	1249	1253	1256	rVV	118722	116245	4.51%	0.308%
11	9.516	1260	1263	1270	rVV	161441	147458	5.71%	0.390%
12	9.575	1270	1273	1280	rVB	64551	69840	2.71%	0.185%
13	9.657	1285	1287	1292	rVB	114431	104200	4.04%	0.276%
14	9.798	1305	1311	1314	rBV	936975	770557	29.86%	2.039%
15	9.827	1314	1316	1320	rVB	201825	187124	7.25%	0.495%
16	10.004	1342	1346	1350	rVV2	167063	158743	6.15%	0.420%
17	10.116	1361	1365	1368	rBV2	66847	71472	2.77%	0.189%
18	10.204	1376	1380	1382	rBV2	46705	61677	2.39%	0.163%
19	10.345	1401	1404	1408	rBV	320941	286604	11.11%	0.758%
20	10.392	1408	1412	1413	rVV3	50930	61247	2.37%	0.162%
21	10.504	1428	1431	1434	rVB2	70187	78873	3.06%	0.209%
22	10.586	1439	1445	1449	rBV	636644	596400	23.11%	1.578%
23	10.710	1461	1466	1470	rBV3	70718	80813	3.13%	0.214%
24	10.892	1491	1497	1500	rBV2	129196	165192	6.40%	0.437%
25	10.921	1500	1502	1505	rVV2	107258	106366	4.12%	0.281%
26	10.974	1508	1511	1514	rVB3	89085	86349	3.35%	0.229%
27	11.045	1520	1523	1528	rVV2	61596	86621	3.36%	0.229%
28	11.133	1534	1538	1542	rVV3	50255	85347	3.31%	0.226%
29	11.180	1542	1546	1551	rVB	161825	163081	6.32%	0.432%
30	11.280	1560	1563	1565	rBV	715373	681704	26.42%	1.804%
31	11.310	1565	1568	1571	rVV	1623756	1370796	53.13%	3.627%
32	11.357	1573	1576	1579	rVB	625329	517863	20.07%	1.370%
33	11.392	1579	1582	1585	rBV2	74317	91317	3.54%	0.242%
34	11.516	1600	1603	1610	rBV3	95871	143678	5.57%	0.380%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.574	1610	1613	1616	rVV	70849	68887	2.67%	0.182%
36	11.616	1616	1620	1625	rVB2	119431	130636	5.06%	0.346%
37	11.698	1631	1634	1638	rVB	73818	80238	3.11%	0.212%
38	11.786	1643	1649	1651	rBV	430523	410702	15.92%	1.087%
39	11.816	1651	1654	1657	rVB	543410	469970	18.21%	1.244%
40	11.863	1657	1662	1664	rBV	246147	237012	9.19%	0.627%
41	11.898	1664	1668	1670	rVV	653517	733934	28.44%	1.942%
42	11.916	1670	1671	1676	rVB	322523	268058	10.39%	0.709%
43	12.080	1691	1699	1701	rBV3	224688	273659	10.61%	0.724%
44	12.110	1701	1704	1709	rVB2	103751	113630	4.40%	0.301%
45	12.227	1722	1724	1727	rVB	131818	98688	3.82%	0.261%
46	12.263	1727	1730	1732	rBV	166220	155916	6.04%	0.413%
47	12.286	1732	1734	1736	rVB	130910	99877	3.87%	0.264%
48	12.333	1736	1742	1745	rBV	462615	523781	20.30%	1.386%
49	12.374	1745	1749	1751	rVV2	259338	332612	12.89%	0.880%
50	12.421	1754	1757	1761	rBV3	202835	279352	10.83%	0.739%
51	12.498	1766	1770	1773	rBV	2225338	2043575	79.20%	5.408%
52	12.539	1773	1777	1779	rBV2	67948	63943	2.48%	0.169%
53	12.645	1788	1795	1799	rBV3	114087	176646	6.85%	0.467%
54	12.727	1803	1809	1815	rBV	2249016	2580310	100.00%	6.828%
55	12.780	1815	1818	1822	rVB2	192836	226346	8.77%	0.599%
56	12.839	1822	1828	1830	rBV2	142051	219598	8.51%	0.581%
57	12.863	1830	1832	1839	rVB	964441	1011977	39.22%	2.678%
58	12.939	1841	1845	1850	rBV3	263149	425859	16.50%	1.127%
59	12.998	1853	1855	1857	rBV	78013	64956	2.52%	0.172%
60	13.033	1857	1861	1862	rBV3	196977	241114	9.34%	0.638%
61	13.051	1862	1864	1867	rVB	512883	474738	18.40%	1.256%
62	13.121	1867	1876	1878	rBV	453076	531261	20.59%	1.406%
63	13.157	1878	1882	1885	rBV2	446030	402687	15.61%	1.066%
64	13.251	1895	1898	1900	rBV	324627	256501	9.94%	0.679%
65	13.280	1900	1903	1906	rVB	322772	276035	10.70%	0.730%
66	13.368	1915	1918	1921	rVB2	59666	66000	2.56%	0.175%
67	13.457	1926	1933	1934	rBV4	109995	178112	6.90%	0.471%
68	13.539	1943	1947	1949	rBV2	117765	164840	6.39%	0.436%
69	13.562	1949	1951	1955	rVV2	162939	186155	7.21%	0.493%
70	13.621	1959	1961	1964	rVB	96271	75153	2.91%	0.199%
71	13.674	1965	1970	1972	rBV2	258063	358420	13.89%	0.948%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.698	1972	1974	1976	rVV	215714	163227	6.33%	0.432%
73	13.721	1976	1978	1984	rVV3	139033	206461	8.00%	0.546%
74	13.774	1984	1987	1990	rVV2	138372	149735	5.80%	0.396%
75	13.915	2005	2011	2015	rBV2	1529255	2341045	90.73%	6.195%
76	13.951	2015	2017	2020	rVV	1330902	1054796	40.88%	2.791%
77	14.009	2024	2027	2028	rBV	96002	77453	3.00%	0.205%
78	14.027	2028	2030	2033	rVV	236365	196986	7.63%	0.521%
79	14.068	2035	2037	2043	rVV5	140177	242666	9.40%	0.642%
80	14.151	2047	2051	2054	rVV4	86993	139620	5.41%	0.369%
81	14.180	2054	2056	2059	rVB3	71154	63520	2.46%	0.168%
82	14.239	2064	2066	2069	rBV3	64672	73353	2.84%	0.194%
83	14.274	2069	2072	2074	rVV2	121921	123660	4.79%	0.327%
84	14.309	2074	2078	2081	rVV	434588	455475	17.65%	1.205%
85	14.345	2081	2084	2087	rVV	194828	192818	7.47%	0.510%
86	14.386	2088	2091	2092	rVV2	120245	132268	5.13%	0.350%
87	14.404	2092	2094	2097	rVV	191639	190372	7.38%	0.504%
88	14.433	2097	2099	2101	rVV	224300	213013	8.26%	0.564%
89	14.457	2101	2103	2106	rVV	224733	173844	6.74%	0.460%
90	14.504	2106	2111	2114	rVV3	114351	157335	6.10%	0.416%
91	14.692	2141	2143	2146	rBV3	68008	69111	2.68%	0.183%
92	14.798	2158	2161	2167	rVB2	107860	138895	5.38%	0.368%
93	14.957	2183	2188	2190	rBV	911957	1292802	50.10%	3.421%
94	15.057	2202	2205	2209	rVB	191463	194683	7.54%	0.515%
95	15.245	2233	2237	2242	rVB	568581	679387	26.33%	1.798%
96	15.309	2243	2248	2252	rBV	826588	1074495	41.64%	2.843%
97	15.368	2253	2258	2261	rVV	593535	800759	31.03%	2.119%
98	15.392	2261	2262	2269	rVB2	238869	294352	11.41%	0.779%
99	16.780	2493	2498	2505	rVB2	314761	530149	20.55%	1.403%
100	17.209	2566	2571	2583	rVB	221725	454216	17.60%	1.202%

Sum of corrected areas: 37789140

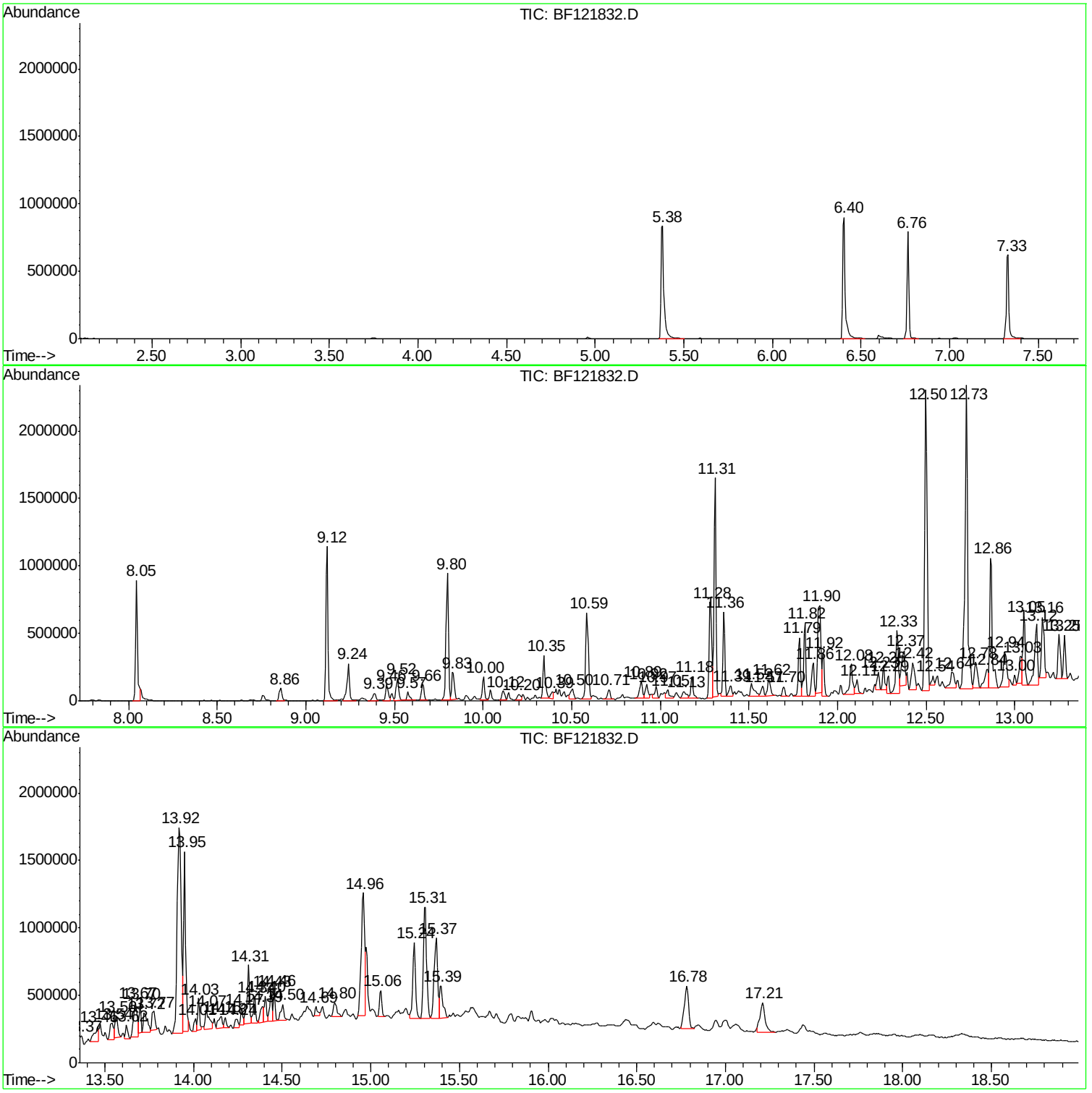
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

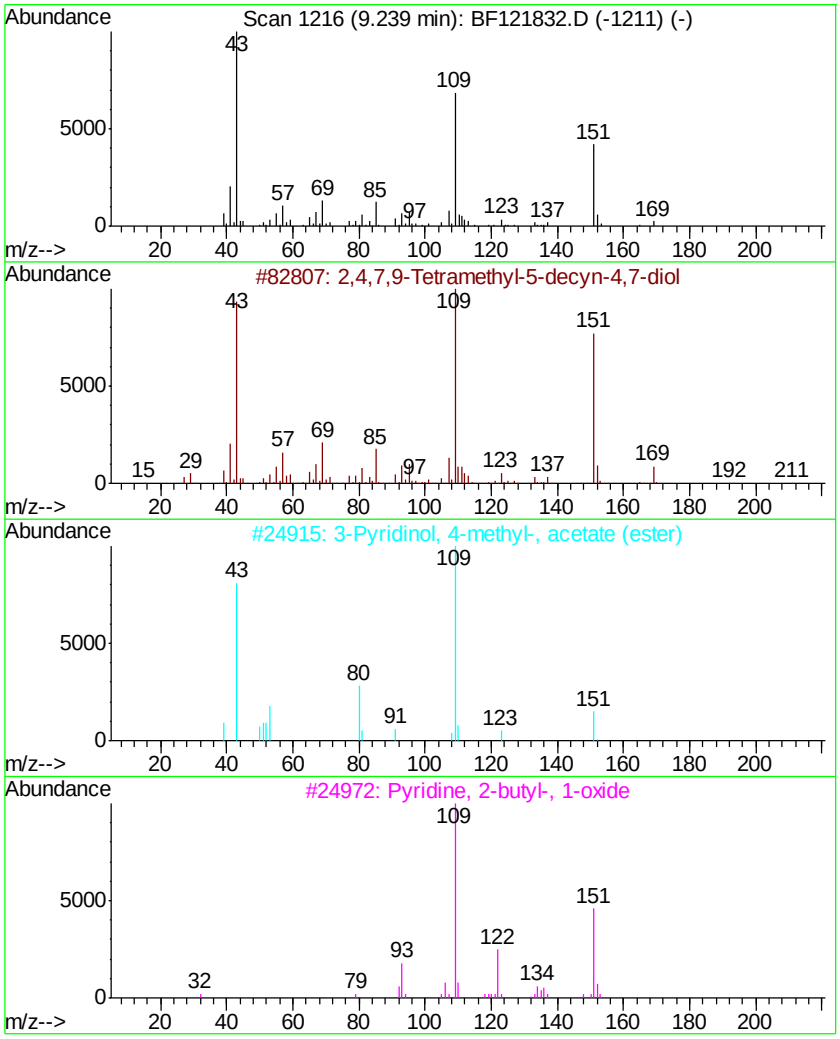
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

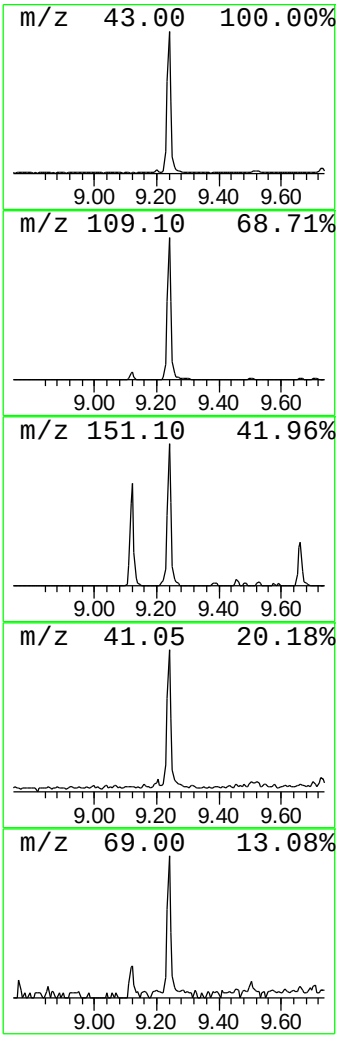
****

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	6.82 ng	262749	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	53
4	Metacetamol	151	C8H9NO2	000621-42-1	42
5	Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
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Operator : JU/CG
Sample : L4219-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

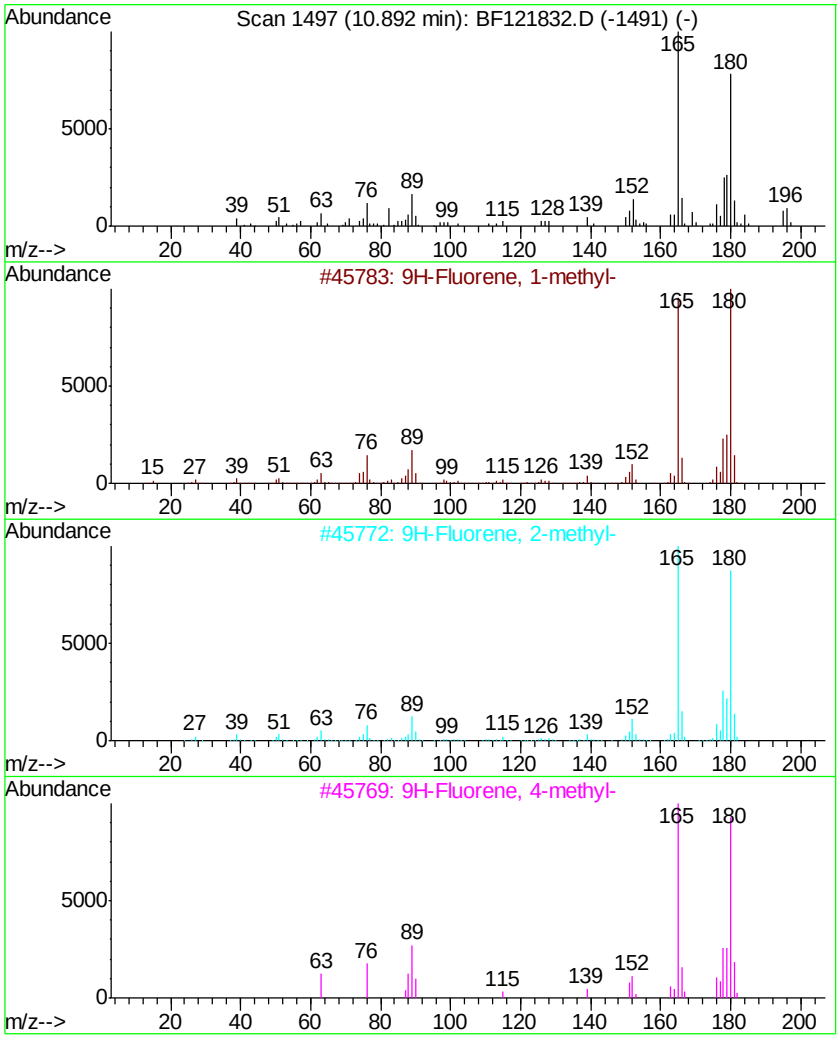
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

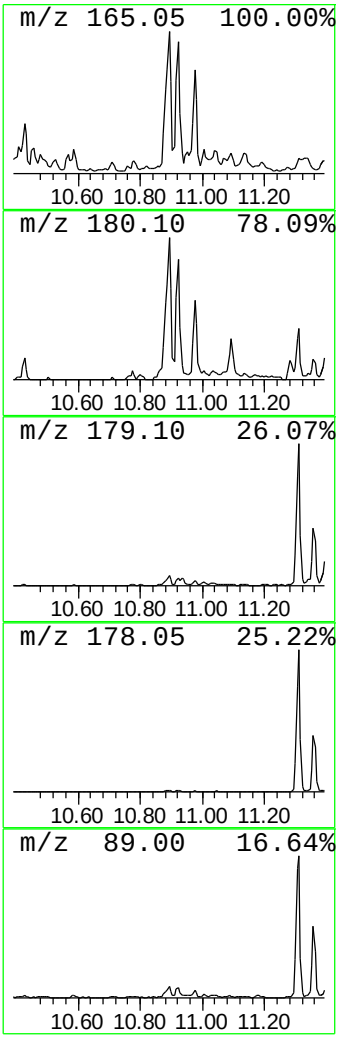
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	4.85 ng	165192	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94





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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

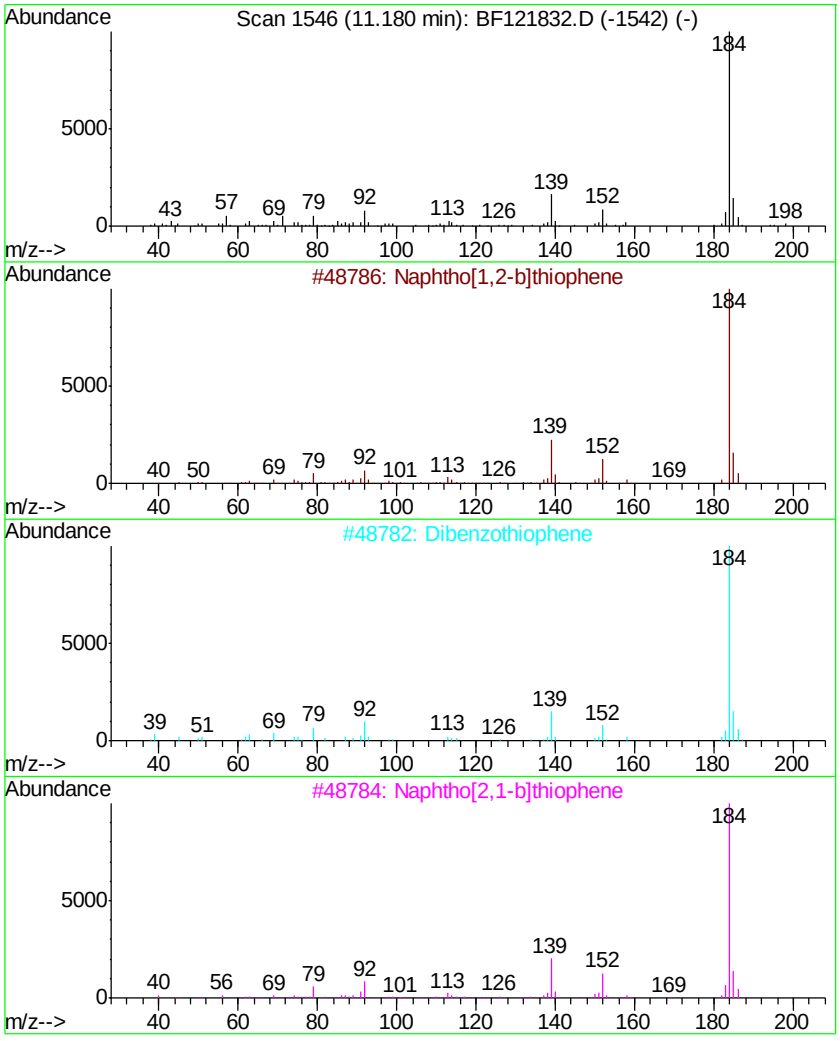
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

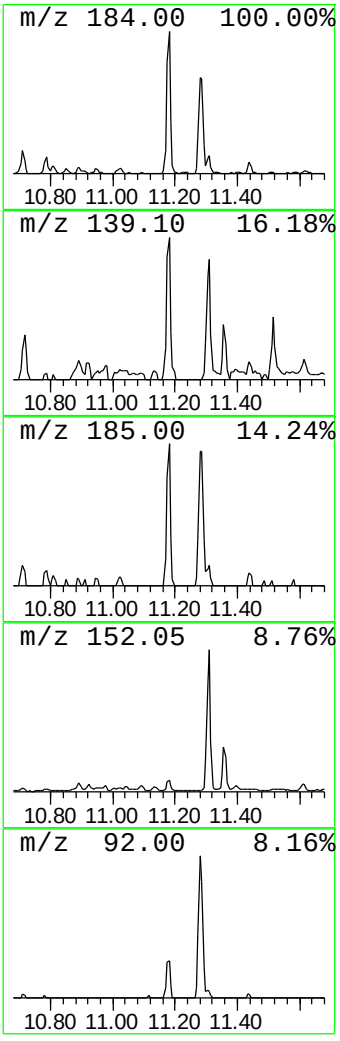
****

Peak Number 3 Naphtho[1,2-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	4.78 ng	163081	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

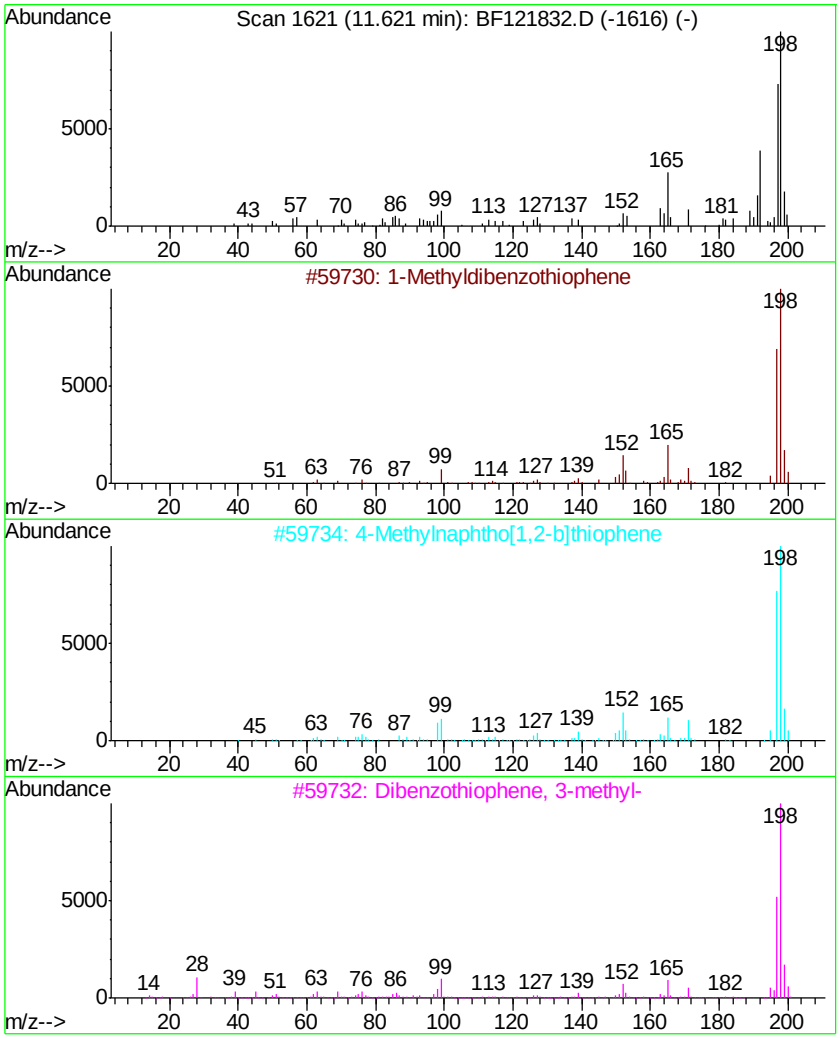
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

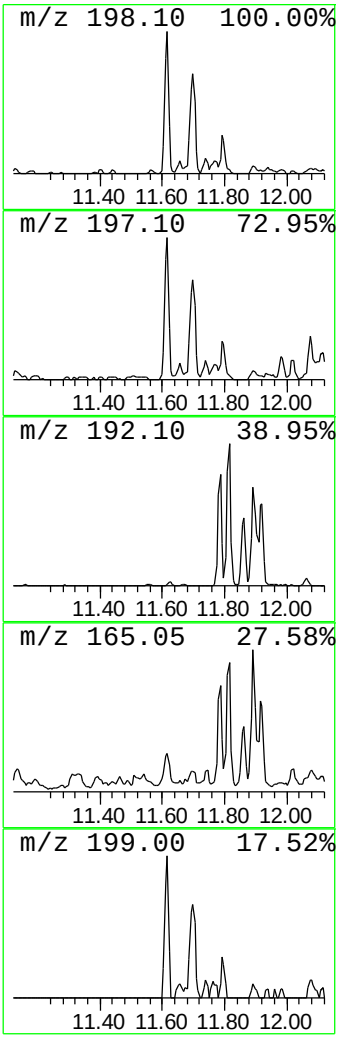
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.83 ng	130636	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

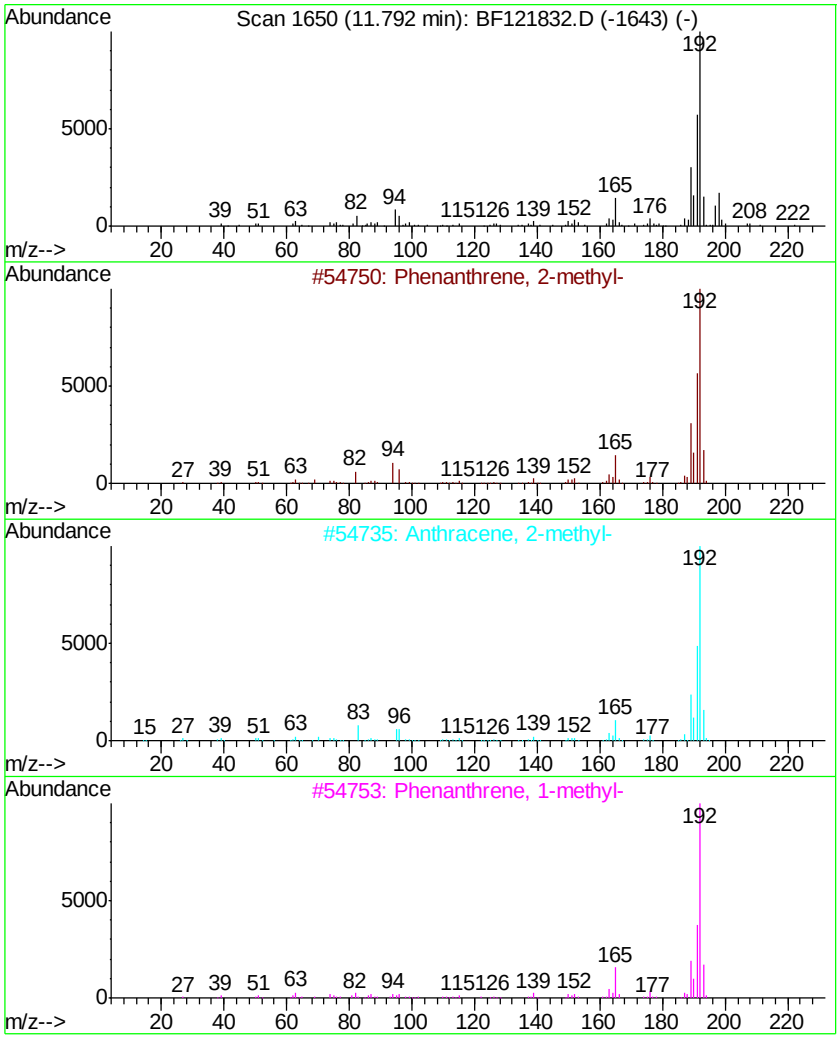
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

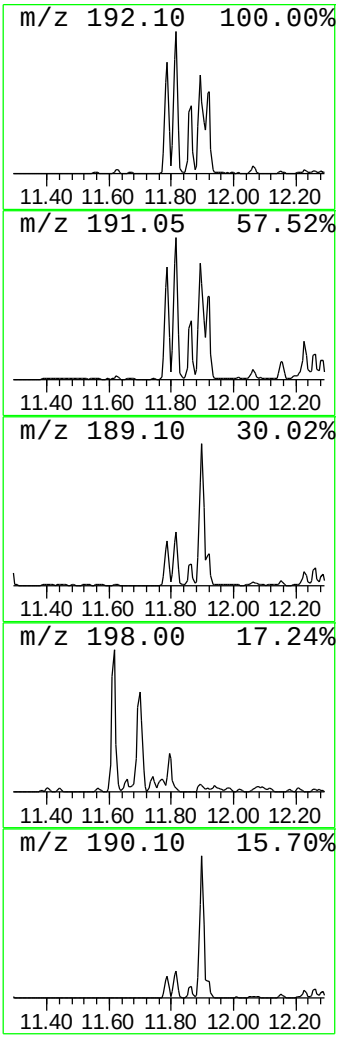
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	12.05 ng	410702	Phenanthrene-d10	11.28

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	95
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-100120

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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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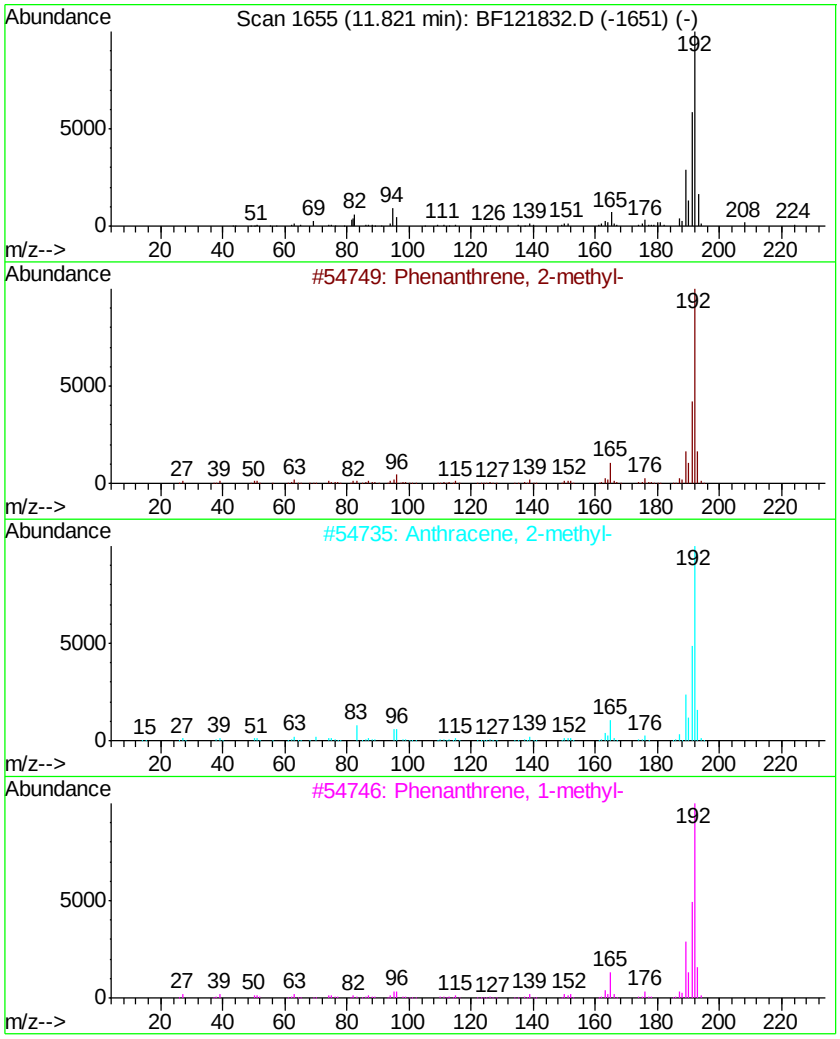
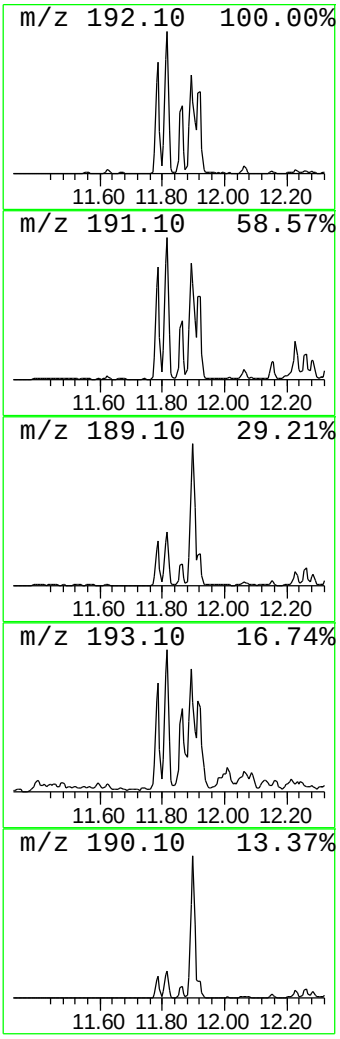
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	13.79 ng	469970	Phenanthrene-d10	11.28

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	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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ClientSampleId : CL-01-100120

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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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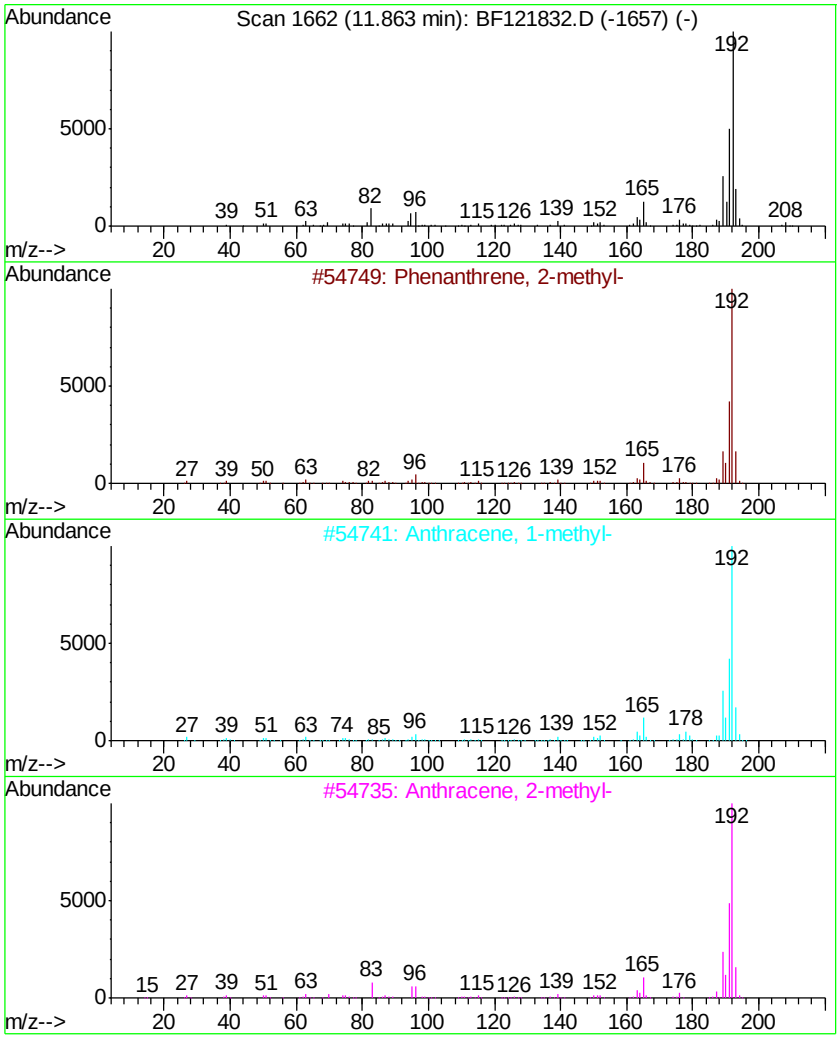
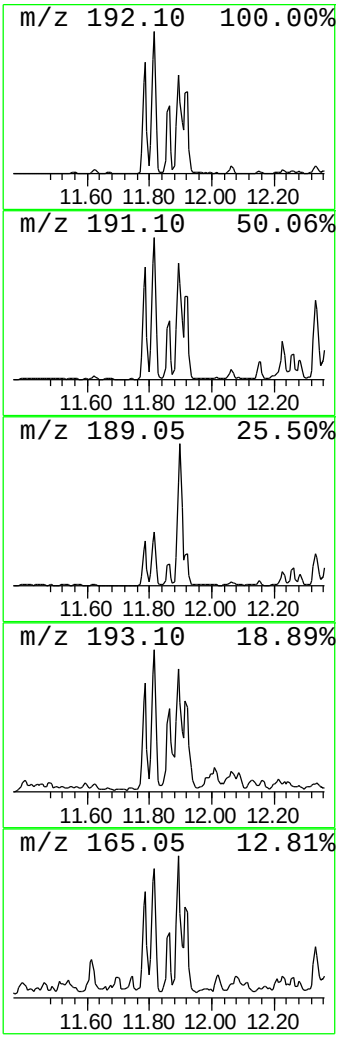
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.95 ng	237012	Phenanthrene-d10	11.28

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





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ClientSampleId : CL-01-100120

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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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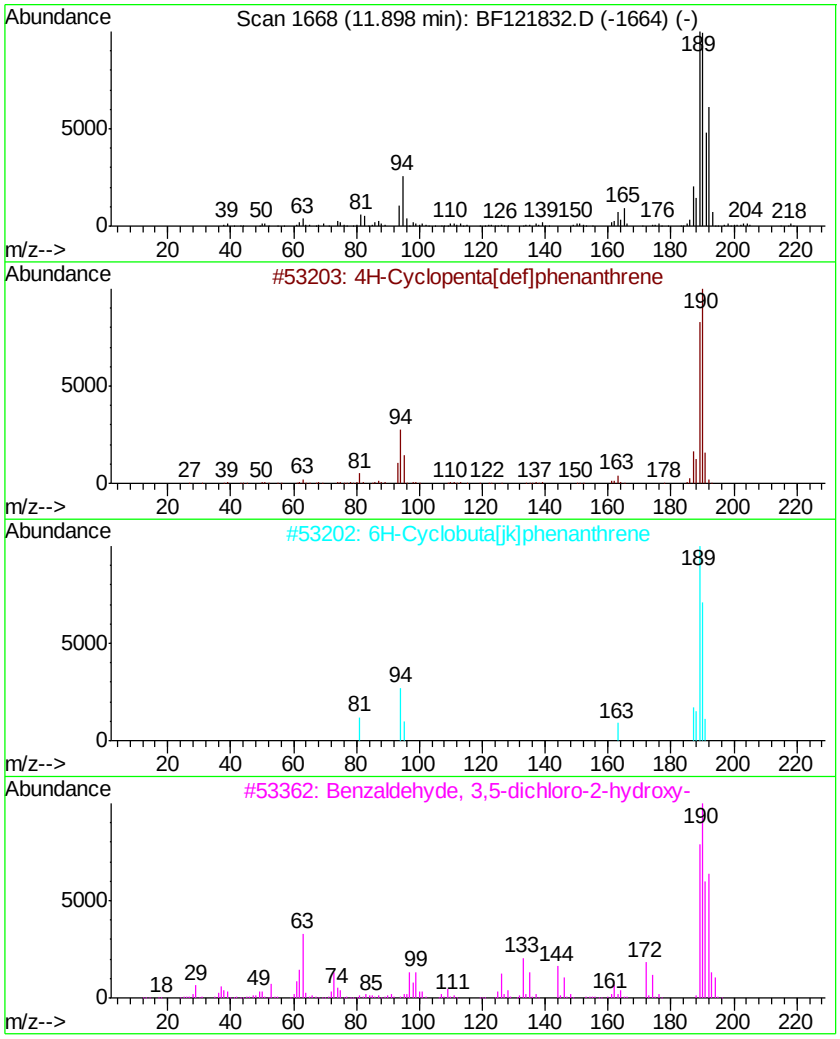
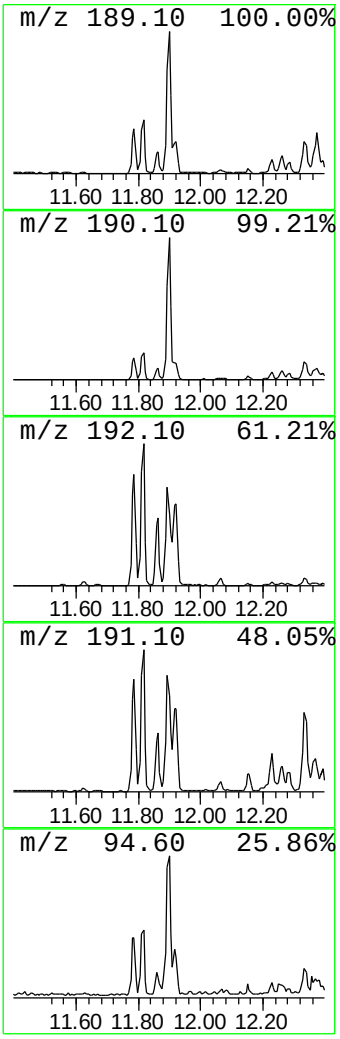
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	21.53 ng	733934	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	22





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ClientSampleId : CL-01-100120

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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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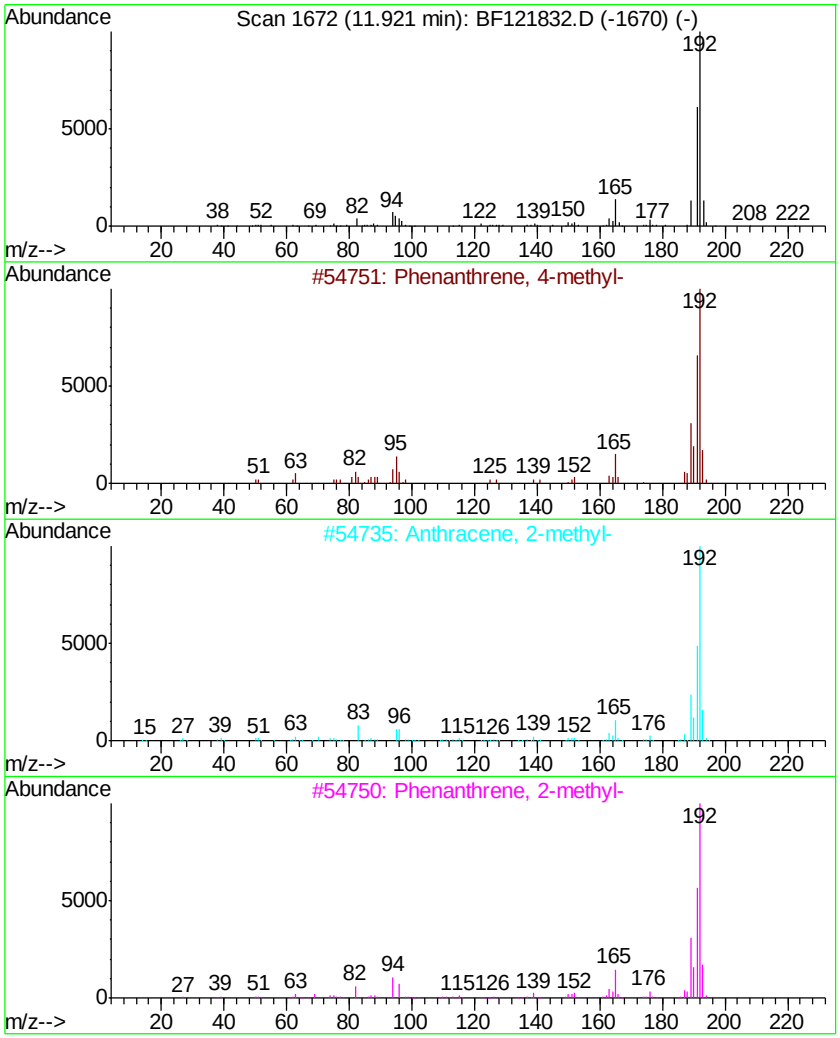
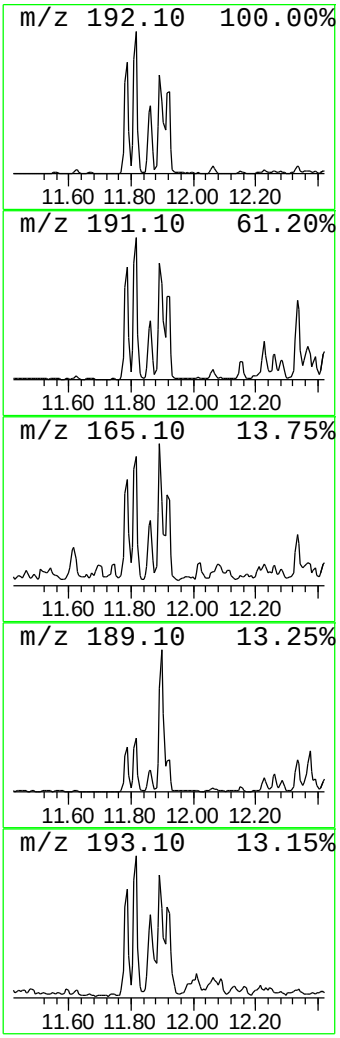
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.86 ng	268058	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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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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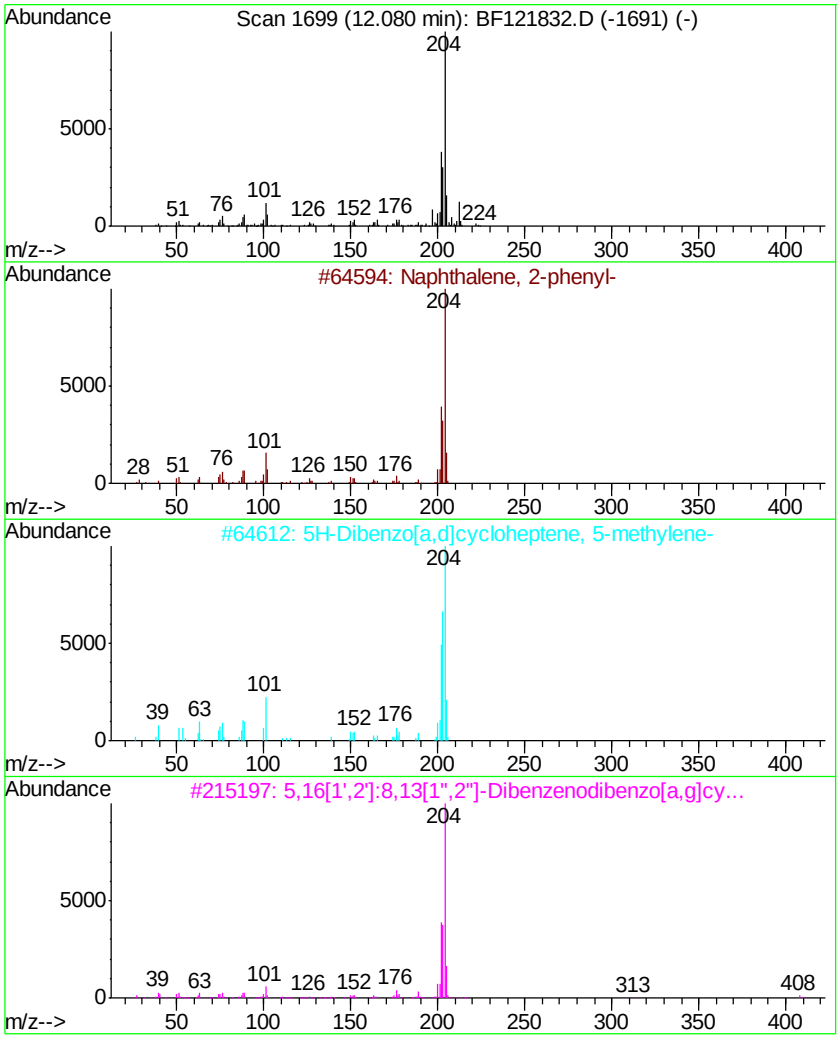
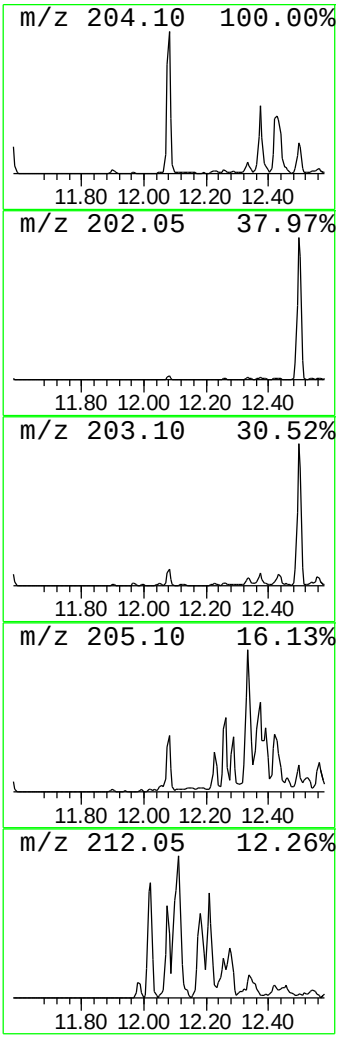
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	8.03 ng	273659	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : CL-01-100120

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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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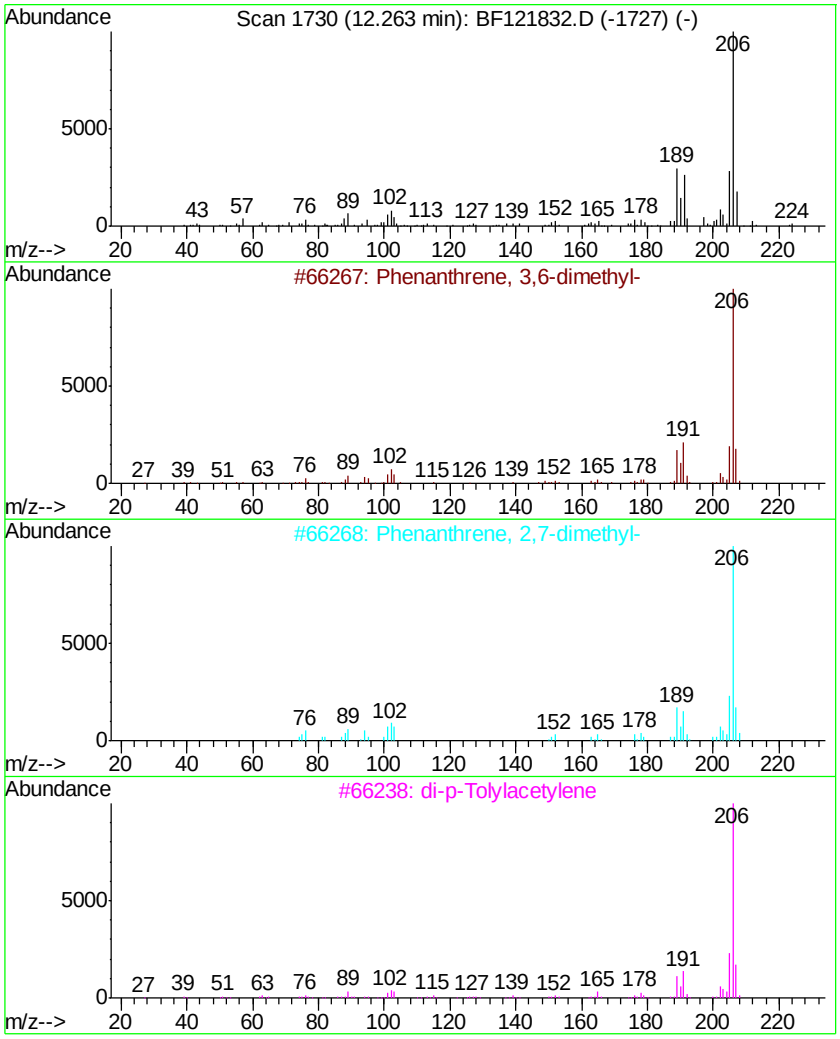
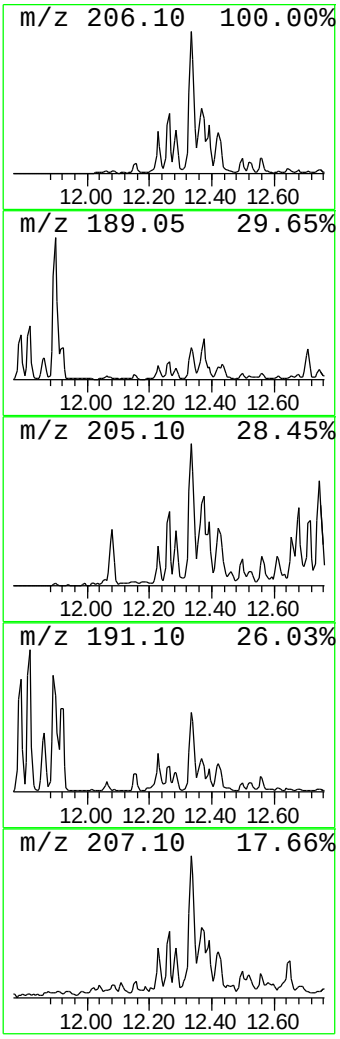
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	4.57 ng	155916	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64





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Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

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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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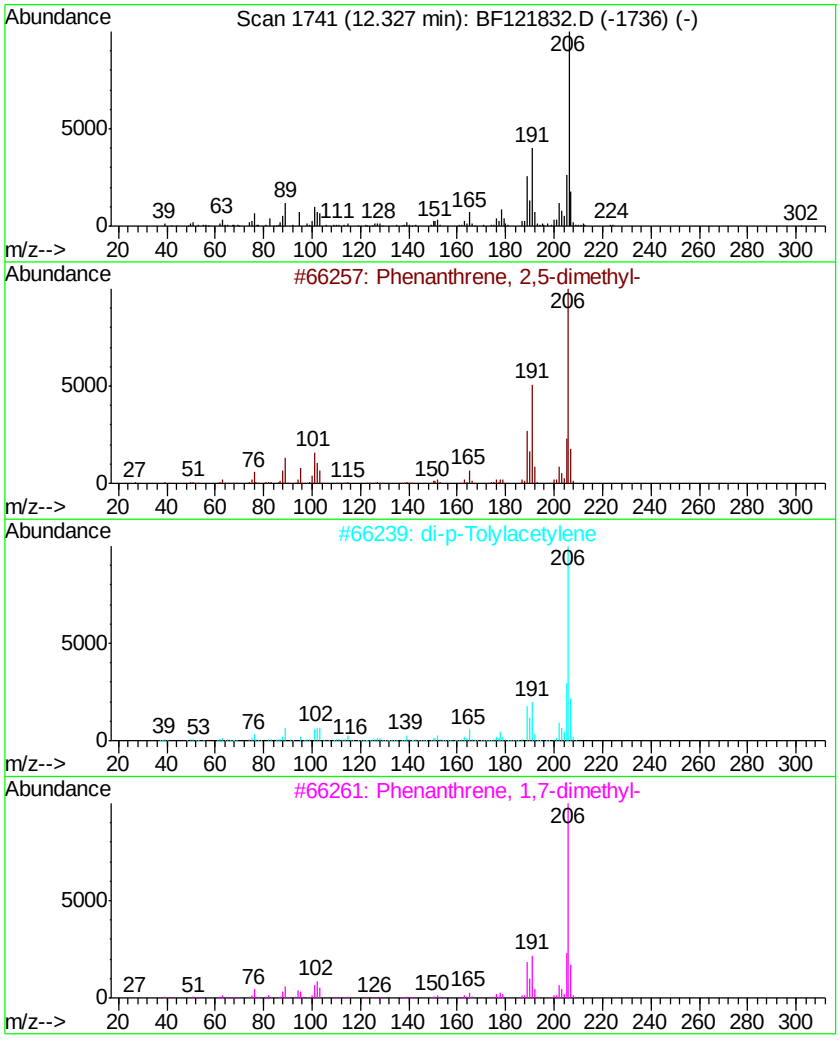
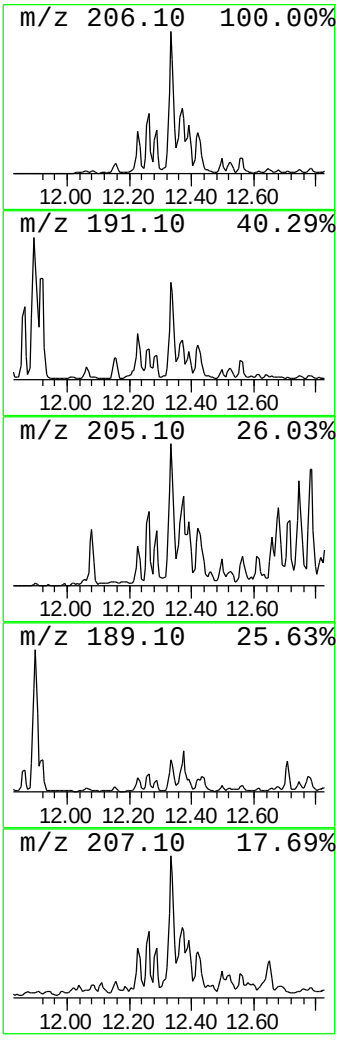
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	15.37 ng	523781	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





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Instrument : BNA_F
ClientSampleId : CL-01-100120

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

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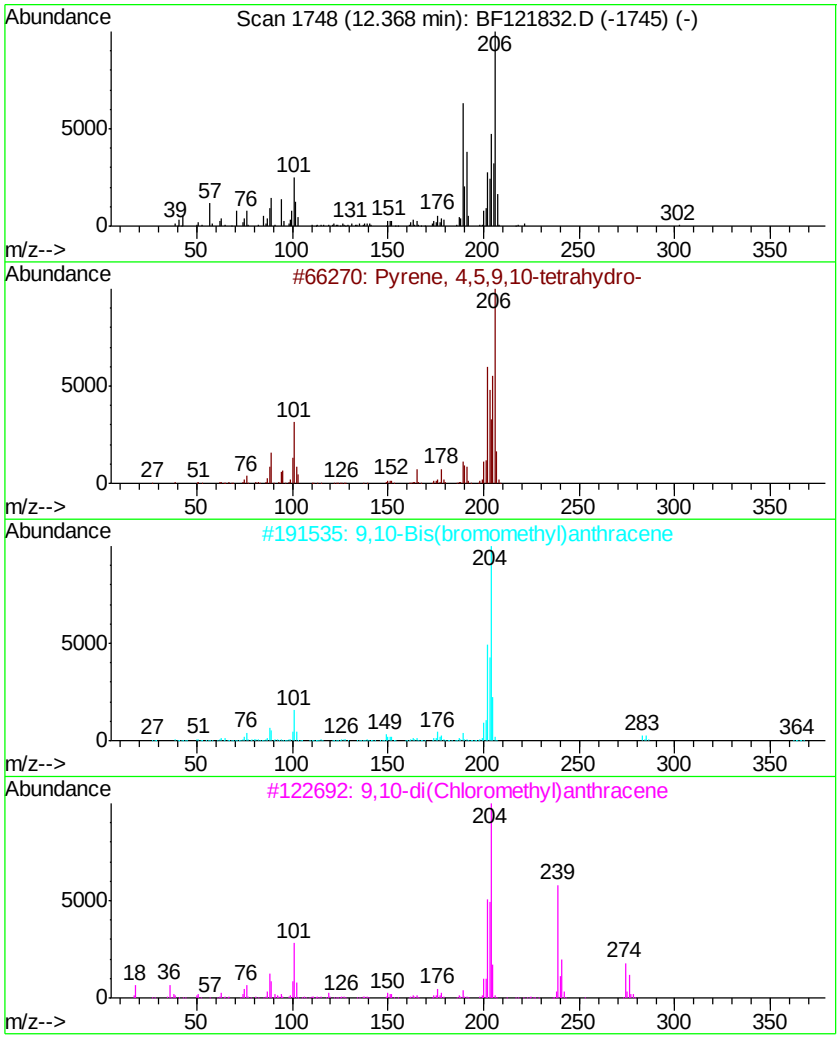
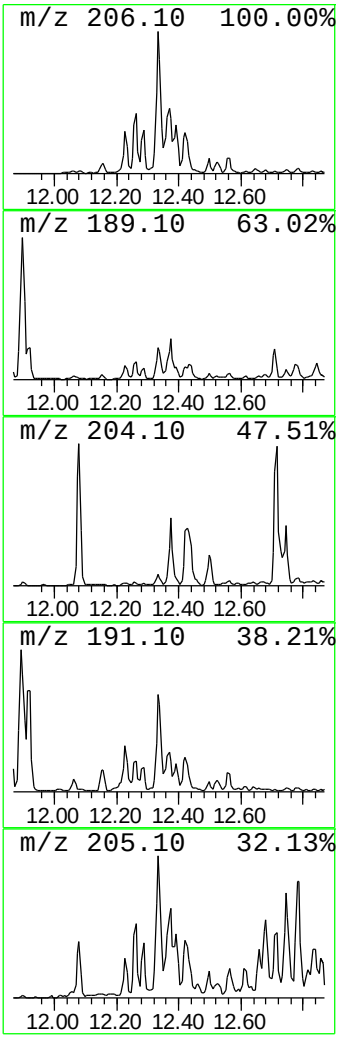
Peak Number 14 unknown12.37 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	9.76 ng	332612	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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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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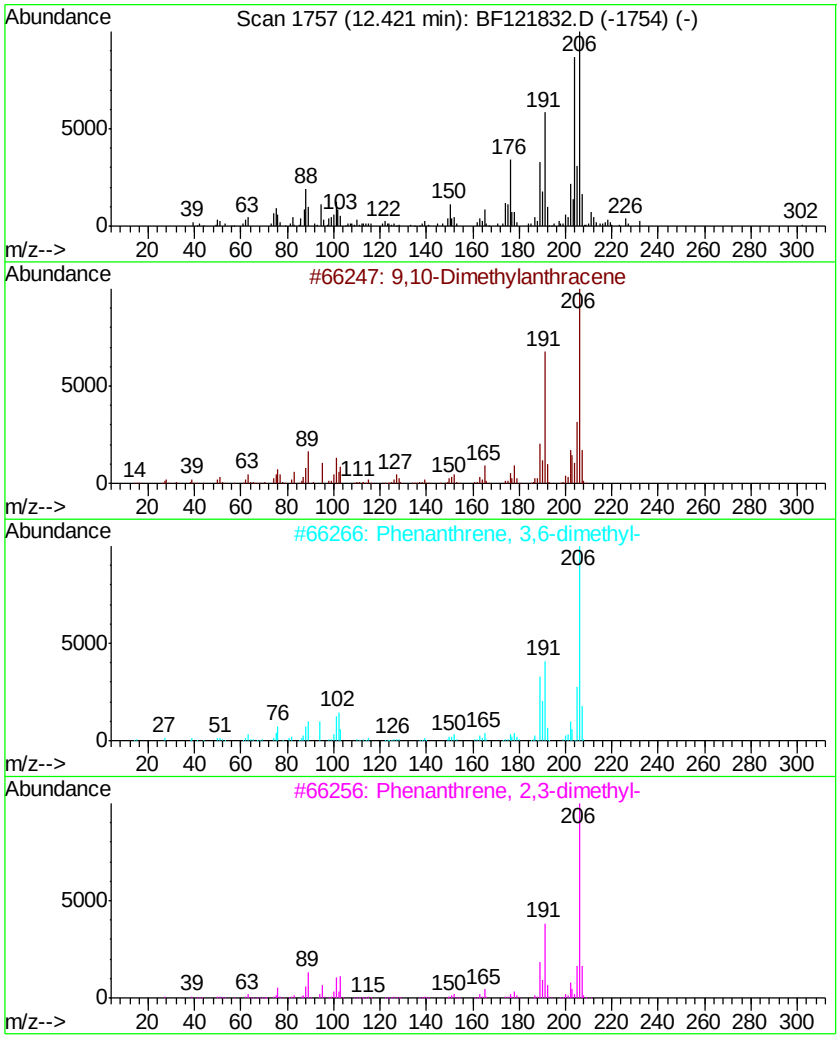
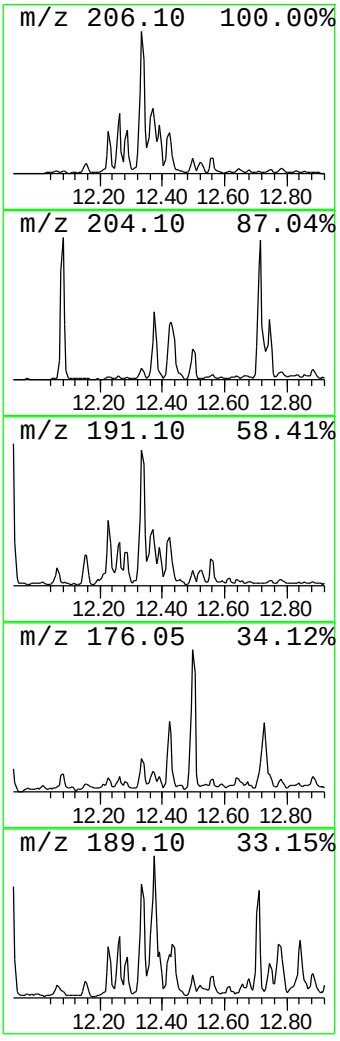
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	8.20 ng	279352	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	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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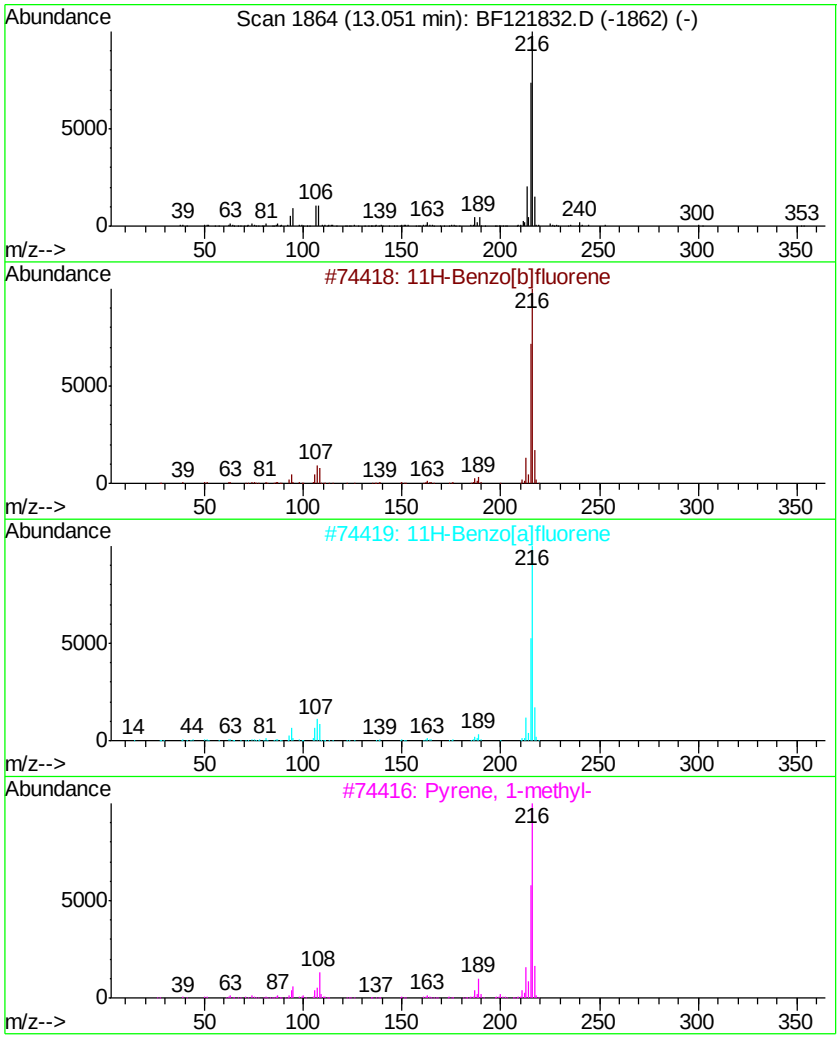
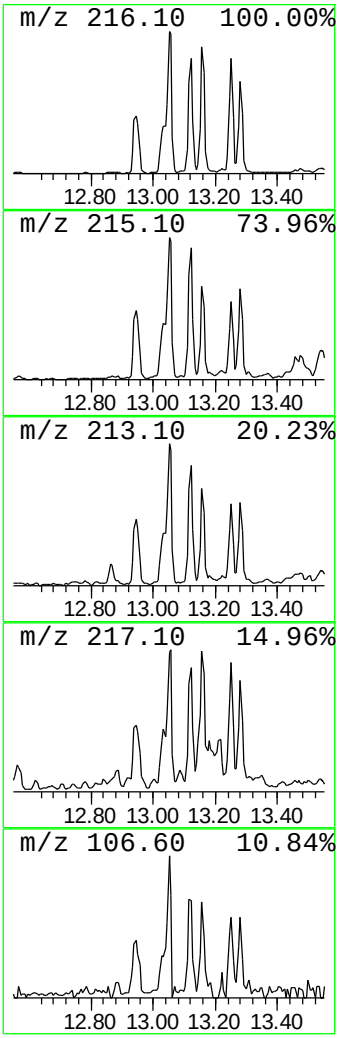
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.06 ng	474738	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59





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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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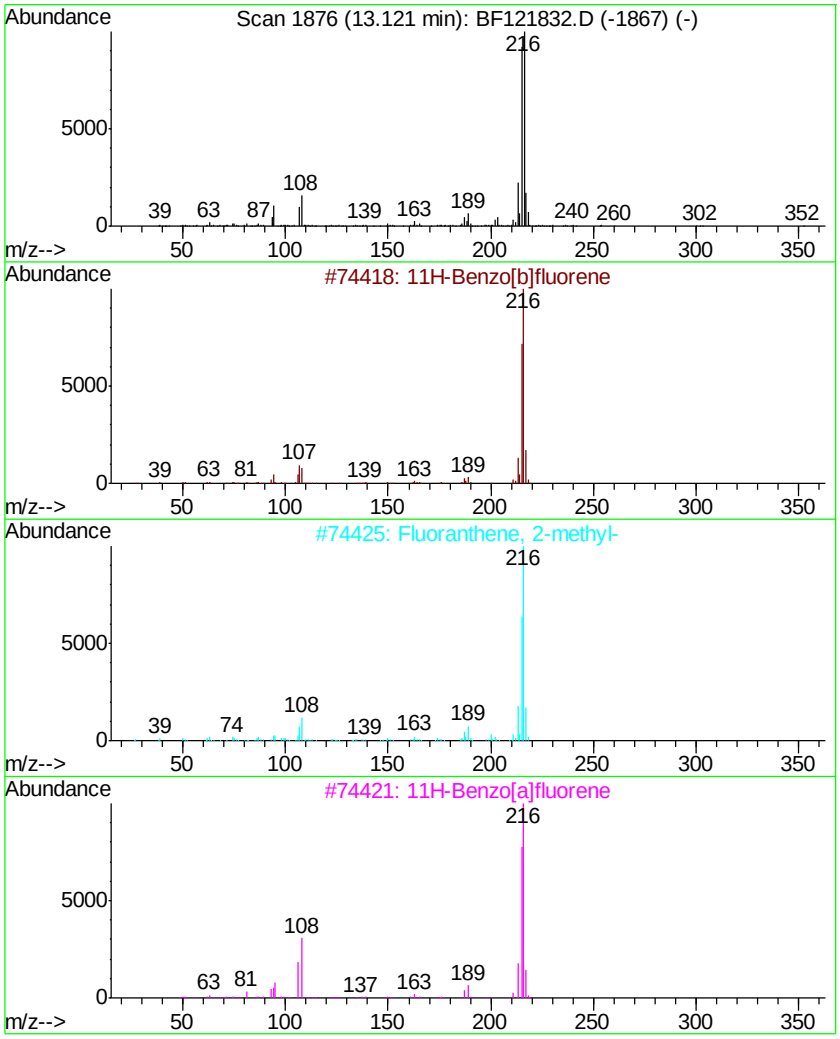
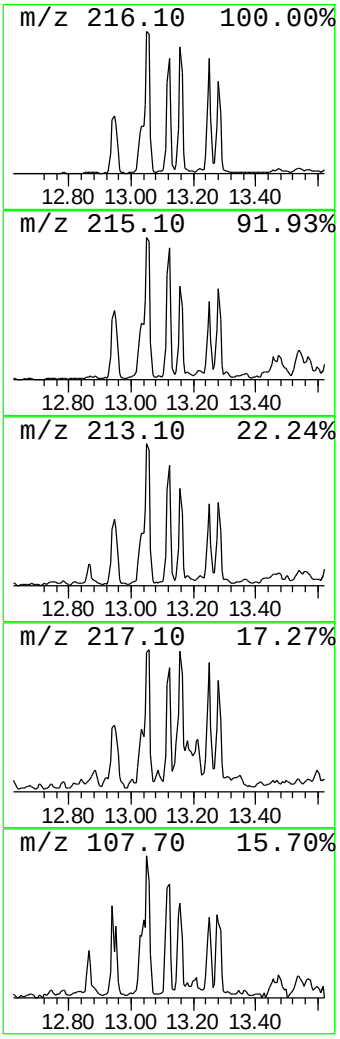
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.54 ng	531261	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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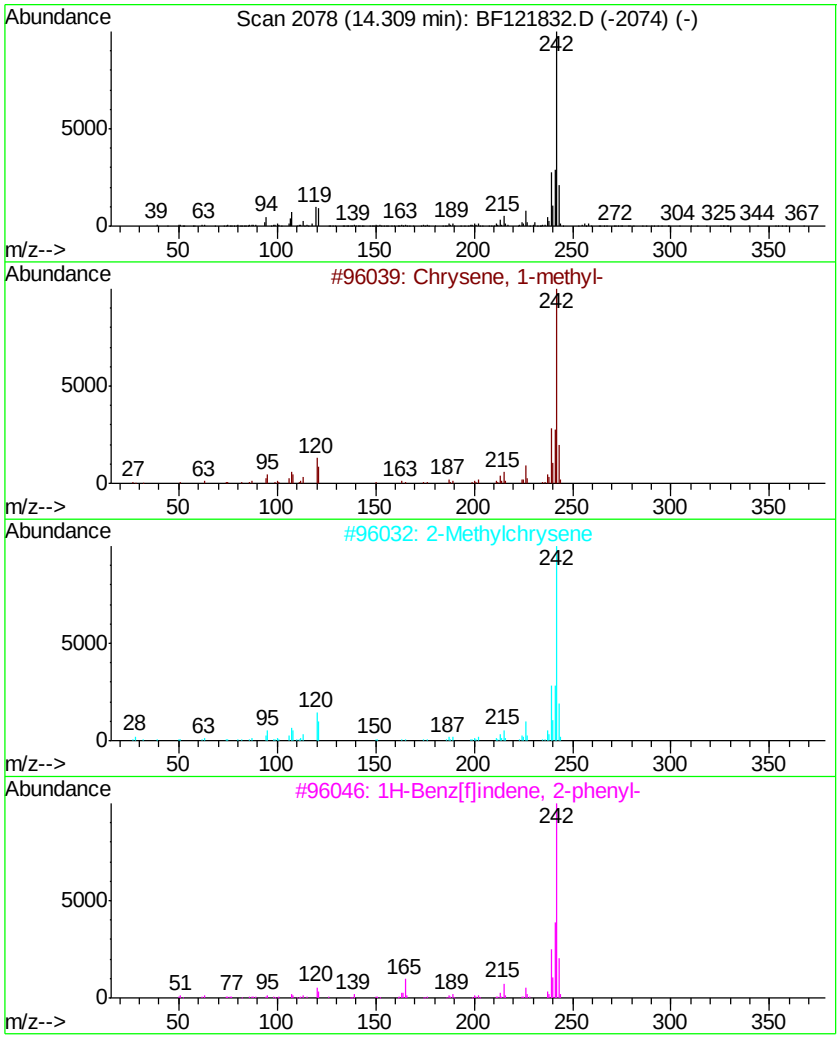
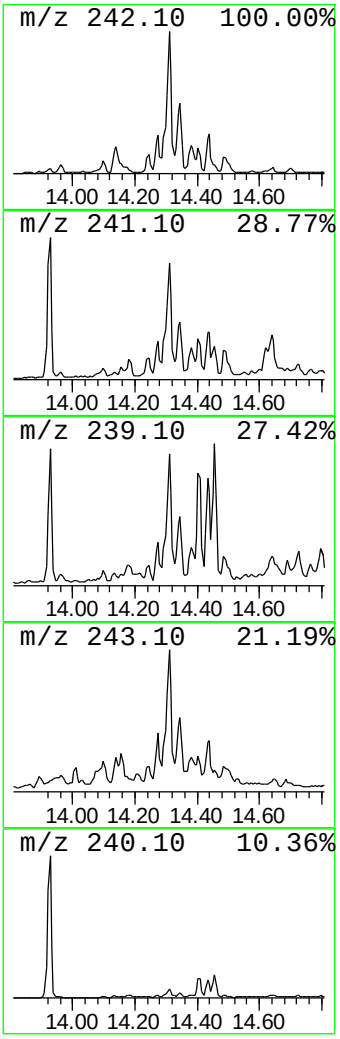
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	3.89 ng	455475	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2	2-Methylchrysene	242	C19H14	003351-32-4	96
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	96
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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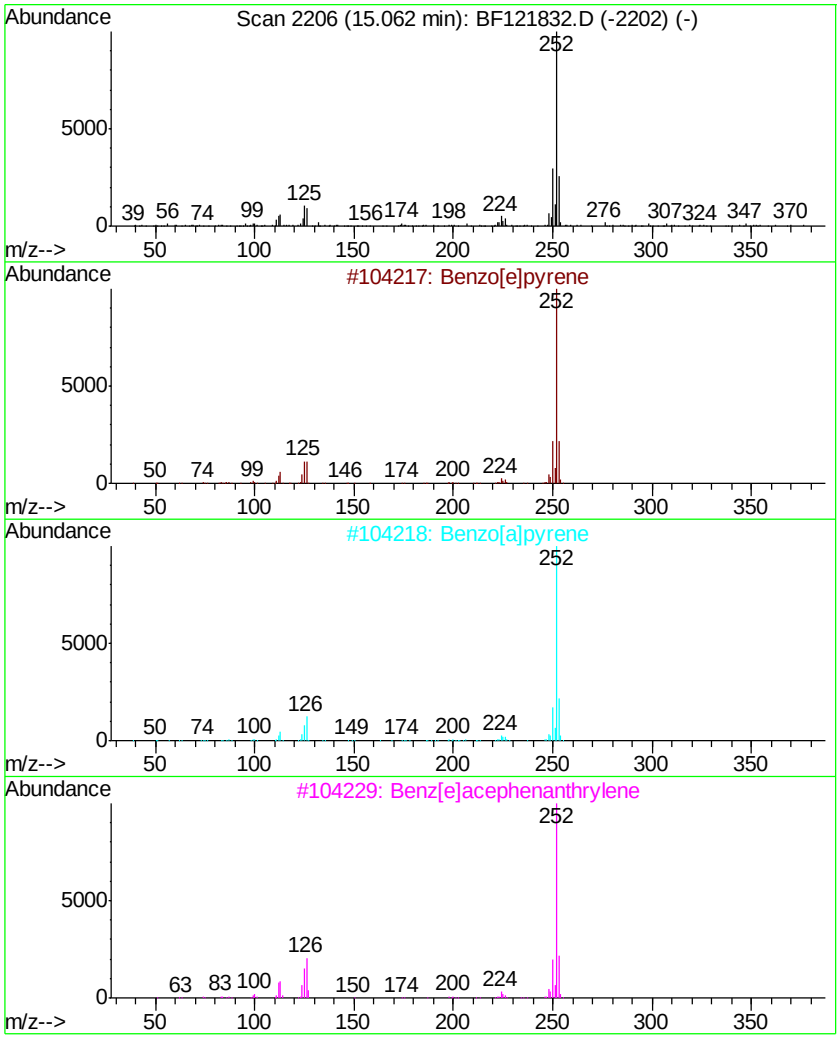
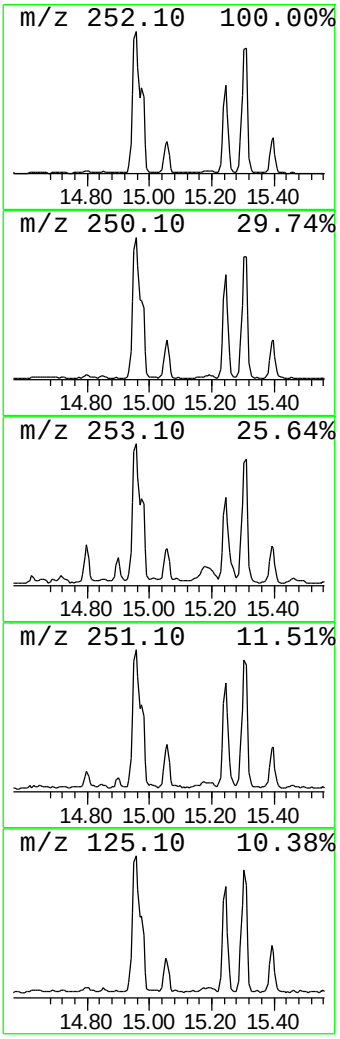
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	4.86 ng	194683	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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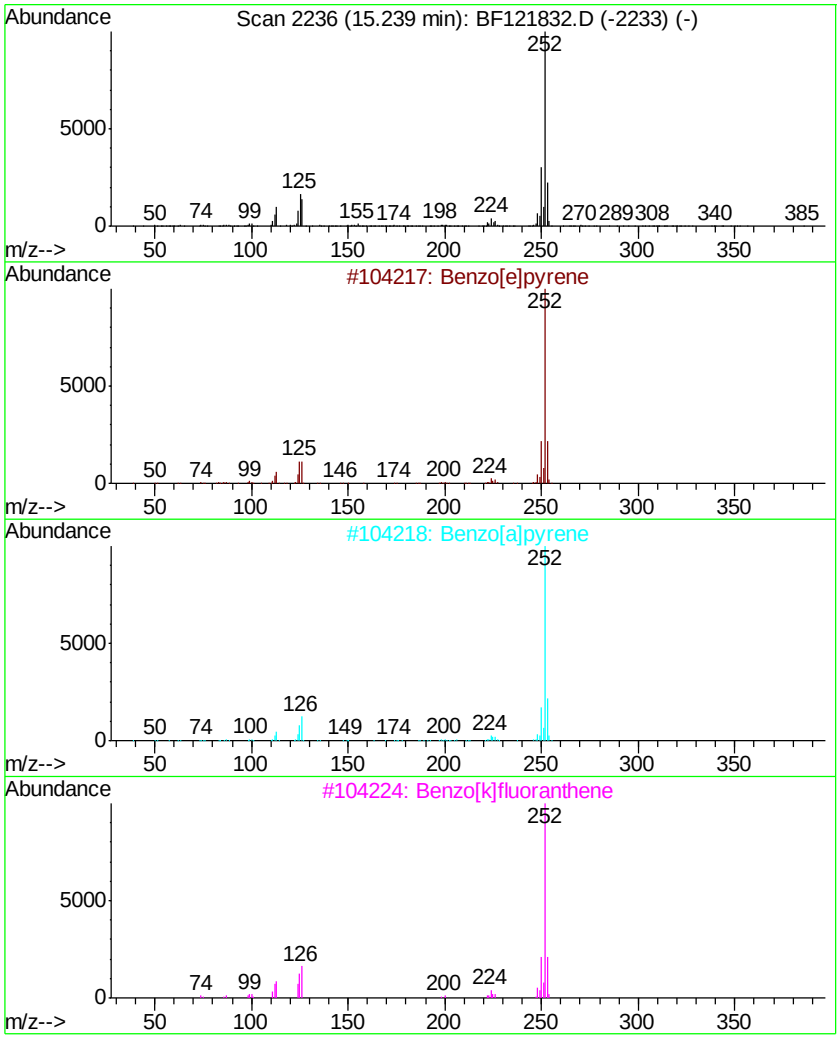
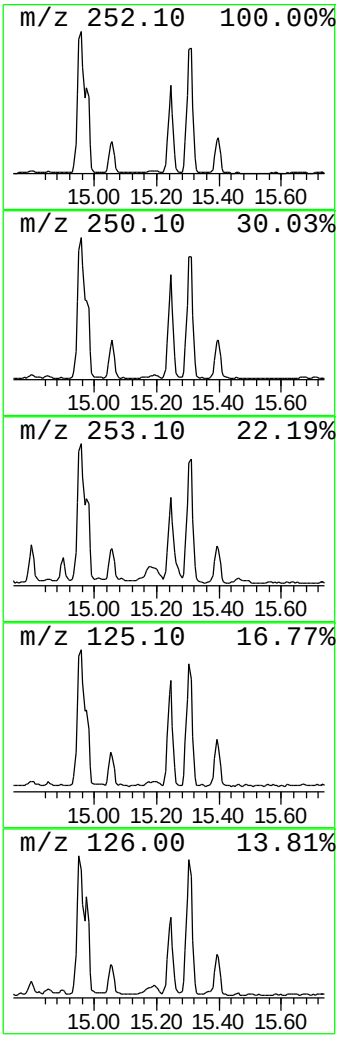
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	16.97 ng	679387	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	97
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100520\
Data File : BF121832.D
Acq On : 5 Oct 2020 22:56
Operator : JU/CG
Sample : L4219-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
2,4,7,9-Tetrameth...	9.24	6.8	ng	262749	3	9.80	770557	20.0
9H-Fluorene, 1-me...	10.89	4.8	ng	165192	4	11.28	681704	20.0
Naphtho[1,2-b]thi...	11.18	4.8	ng	163081	4	11.28	681704	20.0
1-Methyldibenzoth...	11.62	3.8	ng	130636	4	11.28	681704	20.0
Phenanthrene, 2-m...	11.79	12.1	ng	410702	4	11.28	681704	20.0
Anthracene, 2-met...	11.82	13.8	ng	469970	4	11.28	681704	20.0
Anthracene, 1-met...	11.86	7.0	ng	237012	4	11.28	681704	20.0
4H-Cyclopenta[def...	11.90	21.5	ng	733934	4	11.28	681704	20.0
Phenanthrene, 4-m...	11.92	7.9	ng	268058	4	11.28	681704	20.0
Naphthalene, 2-ph...	12.08	8.0	ng	273659	4	11.28	681704	20.0
Phenanthrene, 3,6...	12.26	4.6	ng	155916	4	11.28	681704	20.0
Phenanthrene, 2,5...	12.33	15.4	ng	523781	4	11.28	681704	20.0
unknown12.37	12.37	9.8	ng	332612	4	11.28	681704	20.0
9,10-Dimethylanth...	12.42	8.2	ng	279352	4	11.28	681704	20.0
11H-Benzo[b]fluorene	13.05	4.1	ng	474738	5	13.93	2341050	20.0
Fluoranthene, 2-m...	13.12	4.5	ng	531261	5	13.93	2341050	20.0
Chrysene, 1-methyl-	14.31	3.9	ng	455475	5	13.93	2341050	20.0
Benzo[e]pyrene	15.06	4.9	ng	194683	6	15.37	800759	20.0
Perylene	15.24	17.0	ng	679387	6	15.37	800759	20.0