LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119526.D
Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

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-BF031820.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	5.439	566	570	582	rVB	835243	721984	12.96%	0.979%
2	6.451	739	742	758	rVB	877107	737601	13.24%	1.000%
3	6.839	804	808	812	rBV	1962472	1664376	29.87%	2.256%
4	6.998	831	835	838	rBV	706986	623155	11.18%	0.845%
5	7.398	893	903	908	rBV	573120	477456	8.57%	0.647%
6	8.127	1022	1027	1029	rBV	2699102	2225072	39.94%	3.016%
7	8.145	1029	1030	1034	rVB	466902	335816	6.03%	0.455%
8	8.839	1145	1148	1154	rVB	289500	216173	3.88%	0.293%
9	8.939	1161	1165	1168	rBV	224731	172903	3.10%	0.234%
10	9.204	1206	1210	1213	rBV	1142092	902874	16.21%	1.224%
11	9.463	1250	1254	1259	rBV2	110077	152990	2.75%	0.207%
12	9.539	1263	1267	1270	rVV	176465	180371	3.24%	0.244%
13	9.569	1270	1272	1275	rVV	133881	106871	1.92%	0.145%
14	9.657	1284	1287	1293	rVV	85765	97632	1.75%	0.132%
15	9.745	1296	1302	1307	rVV	116928	107074	1.92%	0.145%
16	9.886	1319	1326	1329	rBV	2825536	2427405	43.57%	3.290%
17	9.916	1329	1331	1334	rVB	1185994	870468	15.62%	1.180%
18	10.086	1357	1360	1364	rVV	717807	605206	10.86%	0.820%
19	10.433	1415	1419	1424	rBV	1219714	1036903	18.61%	1.406%
20	10.521	1432	1434	1436	rVB	135557	104486	1.88%	0.142%
21	10.586	1443	1445	1451	rVB	201712	194272	3.49%	0.263%
22	10.669	1455	1459	1464	rVV	852686	790797	14.19%	1.072%
23	10.798	1476	1481	1488	rVB4	101366	126702	2.27%	0.172%
24	10.980	1506	1512	1515	rBV2	218065	243696	4.37%	0.330%
25	11.110	1529	1534	1536	rBV3	99765	133571	2.40%	0.181%
26	11.221	1550	1553	1556	rBV	114733	141144	2.53%	0.191%
27	11.268	1558	1561	1567	rVB	380250	328652	5.90%	0.445%
28	11.374	1575	1579	1581	rBV	2673890	2503836	44.94%	3.394%
29	11.398	1581	1583	1586	rVV	5173259	4425177	79.43%	5.998%
30	11.451	1586	1592	1595	rVV	1959667	1781806	31.98%	2.415%
31	11.480	1595	1597	1600	rVB2	132840	118217	2.12%	0.160%
32	11.598	1614	1617	1620	rBV	419406	324523	5.82%	0.440%
33	11.668	1627	1629	1632	rVV3	131443	103208	1.85%	0.140%
34	11.874	1658	1664	1666	rBV	515264	463816	8.32%	0.629%

LSC Area Percent Report

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Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

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-BF031820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.904	1666	1669	1673	rVV	754178	661171	11.87%	0.896%
36	11.951	1673	1677	1680	rVV	398787	359050	6.44%	0.487%
37	11.986	1680	1683	1686	rVV	1110031	1180919	21.20%	1.601%
38	12.010	1686	1687	1691	rVB	326214	176358	3.17%	0.239%
39	12.168	1712	1714	1717	rBV	395085	329232	5.91%	0.446%
40	12.321	1735	1740	1742	rBV	116245	118929	2.13%	0.161%
41	12.421	1751	1757	1760	rBV	240003	297209	5.33%	0.403%
42	12.463	1760	1764	1769	rVV2	205648	284140	5.10%	0.385%
43	12.510	1769	1772	1777	rVB3	186045	226152	4.06%	0.307%
44	12.592	1781	1786	1789	rBV	6396778	5571417	100.00%	7.552%
45	12.645	1789	1795	1799	rVV2	100047	146853	2.64%	0.199%
46	12.739	1807	1811	1818	rVB2	190474	204728	3.67%	0.278%
47	12.821	1818	1825	1830	rBV2	4568808	5523043	99.13%	7.486%
48	12.862	1830	1832	1838	rVB2	231974	265498	4.77%	0.360%
49	12.933	1841	1844	1846	rBV	317647	288355	5.18%	0.391%
50	12.957	1846	1848	1855	rVB2	971826	1021410	18.33%	1.385%
51	13.033	1855	1861	1864	rBV2	322432	553028	9.93%	0.750%
52	13.062	1864	1866	1868	rVB	134484	100834	1.81%	0.137%
53	13.121	1873	1876	1877	rVV2	242190	261212	4.69%	0.354%
54	13.145	1877	1880	1883	rVB	967911	833591	14.96%	1.130%
55	13.210	1887	1891	1894	rVV	977855	853055	15.31%	1.156%
56	13.245	1894	1897	1900	rVV2	492268	563124	10.11%	0.763%
57	13.274	1900	1902	1905	rVV2	182440	174426	3.13%	0.236%
58	13.304	1905	1907	1910	rVV2	123548	124984	2.24%	0.169%
59	13.339	1910	1913	1916	rVV	231291	208701	3.75%	0.283%
60	13.368	1916	1918	1925	rVV2	238943	312486	5.61%	0.424%
61	13.545	1942	1948	1950	rBV5	155490	216990	3.89%	0.294%
62	13.627	1959	1962	1963	rBV2	137251	134048	2.41%	0.182%
63	13.645	1963	1965	1970	rVB2	138575	215816	3.87%	0.293%
64	13.762	1981	1985	1988	rBV	340063	379576	6.81%	0.515%
65	13.792	1988	1990	1992	rVV	412665	358215	6.43%	0.486%
66	13.815	1992	1994	1998	rVV2	380594	477206	8.57%	0.647%
67	13.857	1998	2001	2006	rVB4	146266	211381	3.79%	0.287%
68	14.009	2020	2027	2030	rBV3	3174482	4482099	80.45%	6.075%
69	14.045	2030	2033	2038	rVB	2069960	2106342	37.81%	2.855%
70	14.121	2043	2046	2049	rVV	719130	625546	11.23%	0.848%
71	14.157	2049	2052	2056	rVV3	171284	237113	4.26%	0.321%

LSC Area Percent Report

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Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

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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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.198	2057	2059	2062	rVB2	190673	186624	3.35%	0.253%
73	14.233	2062	2065	2069	rBV2	200270	277466	4.98%	0.376%
74	14.339	2079	2083	2085	rBV2	134126	148758	2.67%	0.202%
75	14.362	2085	2087	2089	rVV	167133	158284	2.84%	0.215%
76	14.398	2089	2093	2096	rVV	427766	570002	10.23%	0.773%
77	14.433	2096	2099	2103	rVV2	247038	276228	4.96%	0.374%
78	14.492	2106	2109	2112	rVV2	380170	455631	8.18%	0.618%
79	14.527	2112	2115	2116	rVV	286669	309823	5.56%	0.420%
80	14.545	2116	2118	2122	rVV3	369586	413037	7.41%	0.560%
81	14.580	2122	2124	2132	rVB4	159973	300619	5.40%	0.407%
82	14.709	2143	2146	2149	rBV4	93975	148001	2.66%	0.201%
83	14.792	2156	2160	2164	rBV4	95628	179408	3.22%	0.243%
84	14.892	2175	2177	2180	rVB2	110140	107533	1.93%	0.146%
85	15.056	2200	2205	2208	rBV	2039831	3121436	56.03%	4.231%
86	15.139	2215	2219	2220	rBV	96035	122243	2.19%	0.166%
87	15.162	2220	2223	2229	rVB	520077	536071	9.62%	0.727%
88	15.256	2235	2239	2240	rBV2	112628	157048	2.82%	0.213%
89	15.362	2252	2257	2262	rVB	1123321	1554139	27.89%	2.107%
90	15.421	2262	2267	2273	rBV	1874537	2396768	43.02%	3.249%
91	15.486	2273	2278	2281	rBV	1282509	1632226	29.30%	2.212%
92	15.515	2281	2283	2289	rVB	703640	856704	15.38%	1.161%
93	15.968	2357	2360	2365	rVB3	100206	136471	2.45%	0.185%
94	16.045	2370	2373	2378	rVB2	136957	181374	3.26%	0.246%
95	16.950	2520	2527	2534	rVB2	864561	1760411	31.60%	2.386%
96	17.021	2537	2539	2545	rVB	66732	102303	1.84%	0.139%
97	17.121	2552	2556	2561	rVB	174598	276504	4.96%	0.375%
98	17.180	2563	2566	2570	rBV2	99717	144779	2.60%	0.196%
99	17.386	2595	2601	2612	rBV	636775	1333213	23.93%	1.807%
100	17.621	2635	2641	2647	rBV	204584	399929	7.18%	0.542%

Sum of corrected areas: 73773503

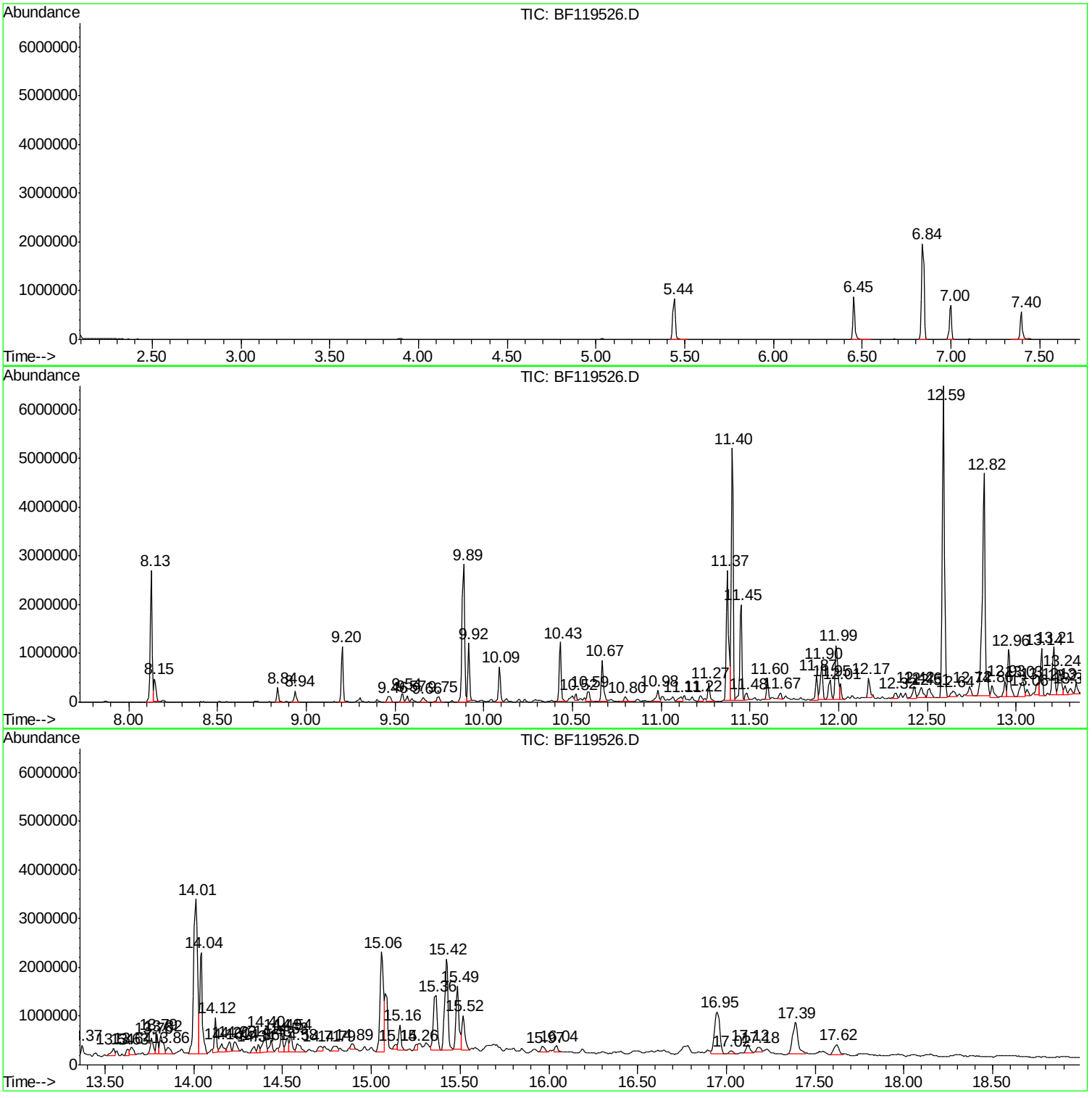
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119526.D
Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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\BF032520\
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Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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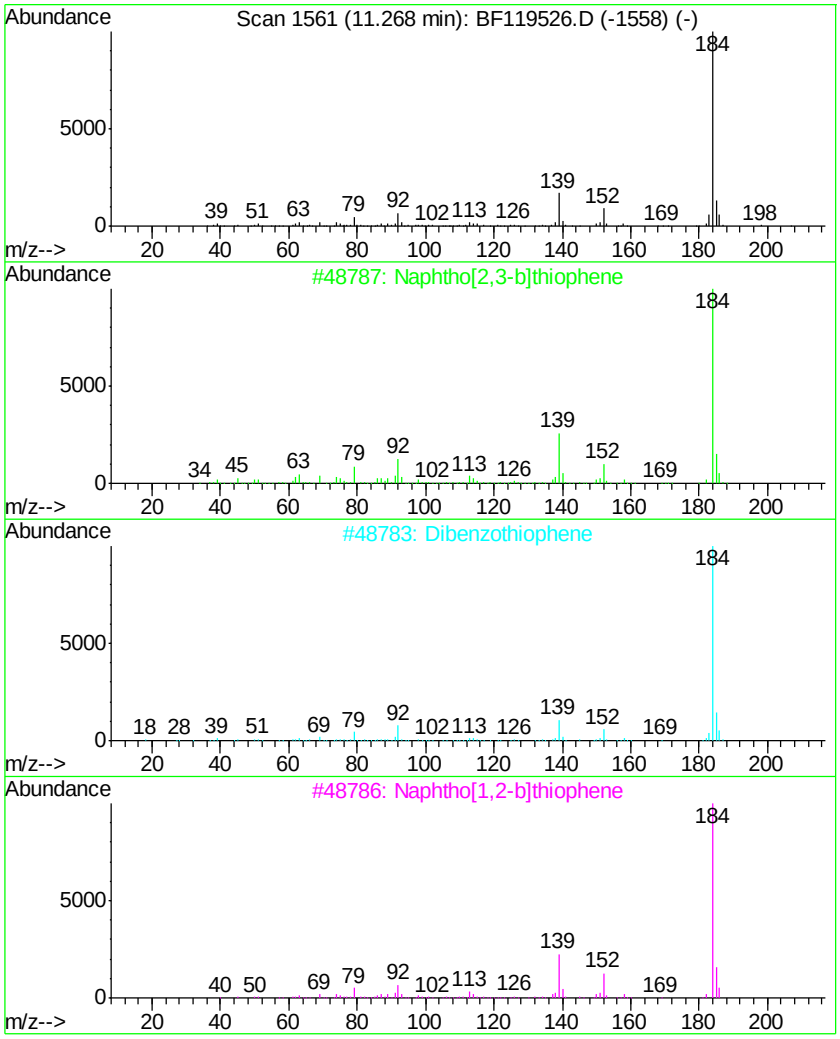
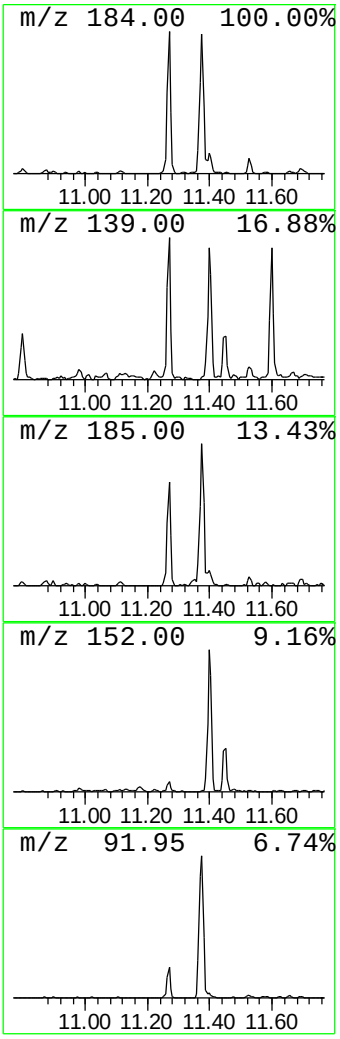
Peak Number 2 Naphtho[2,3-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.63 ng	328652	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
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Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

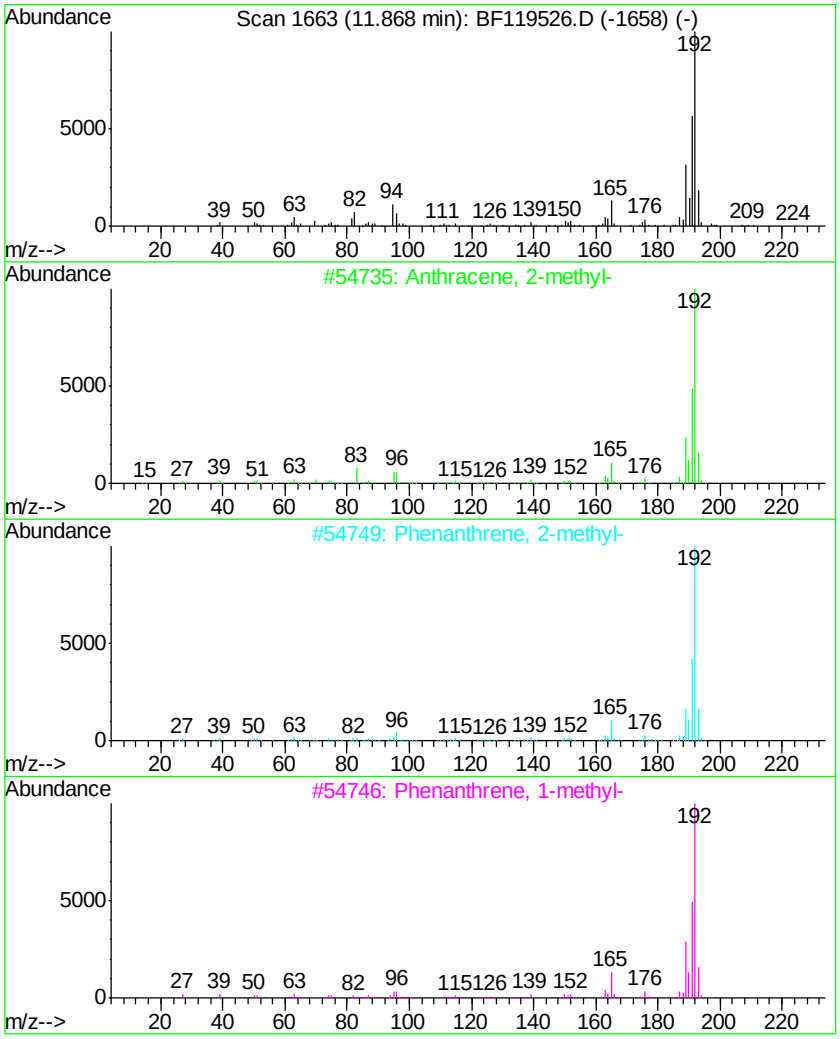
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

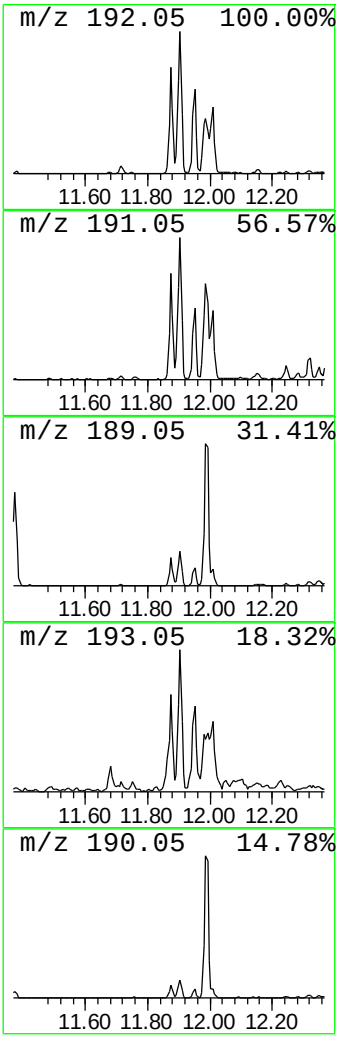
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.70 ng	463816	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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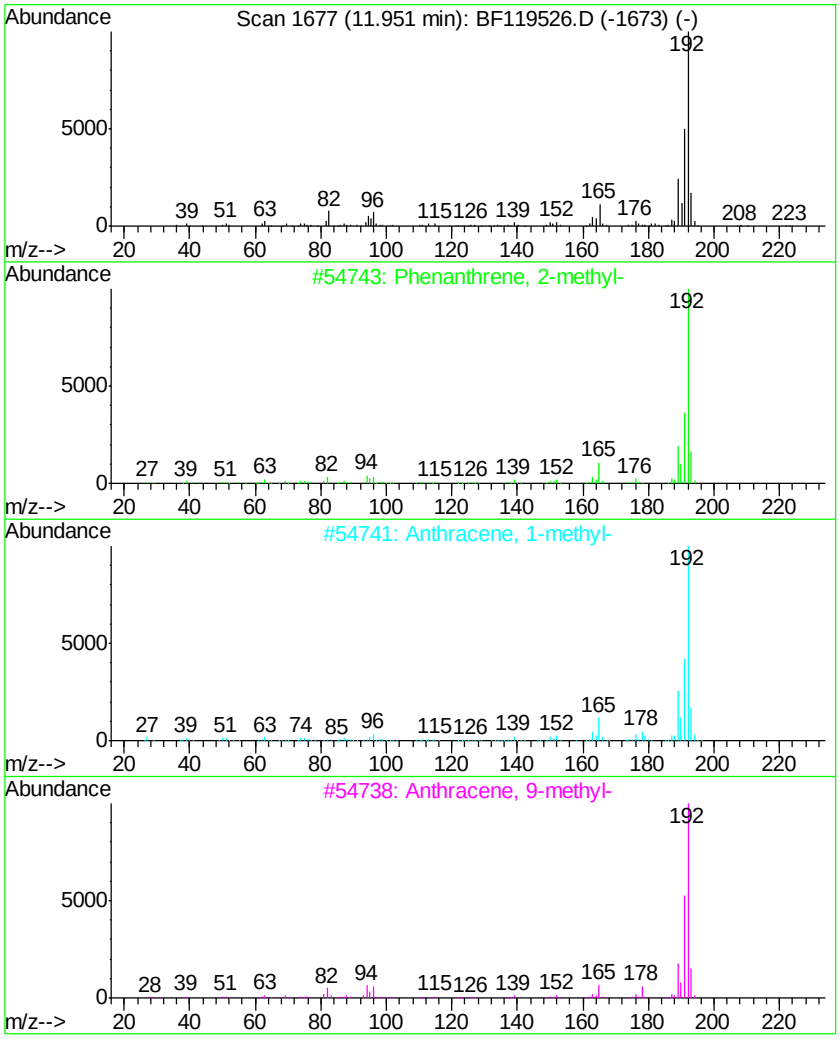
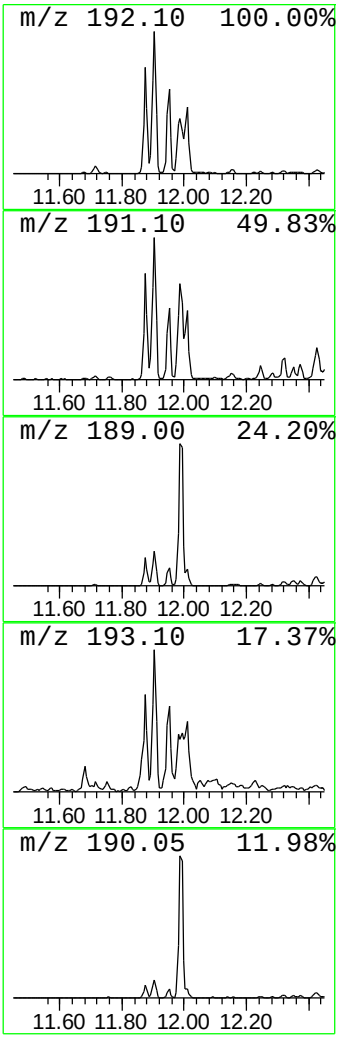
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.87 ng	359050	Phenanthrene-d10	11.37

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	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
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Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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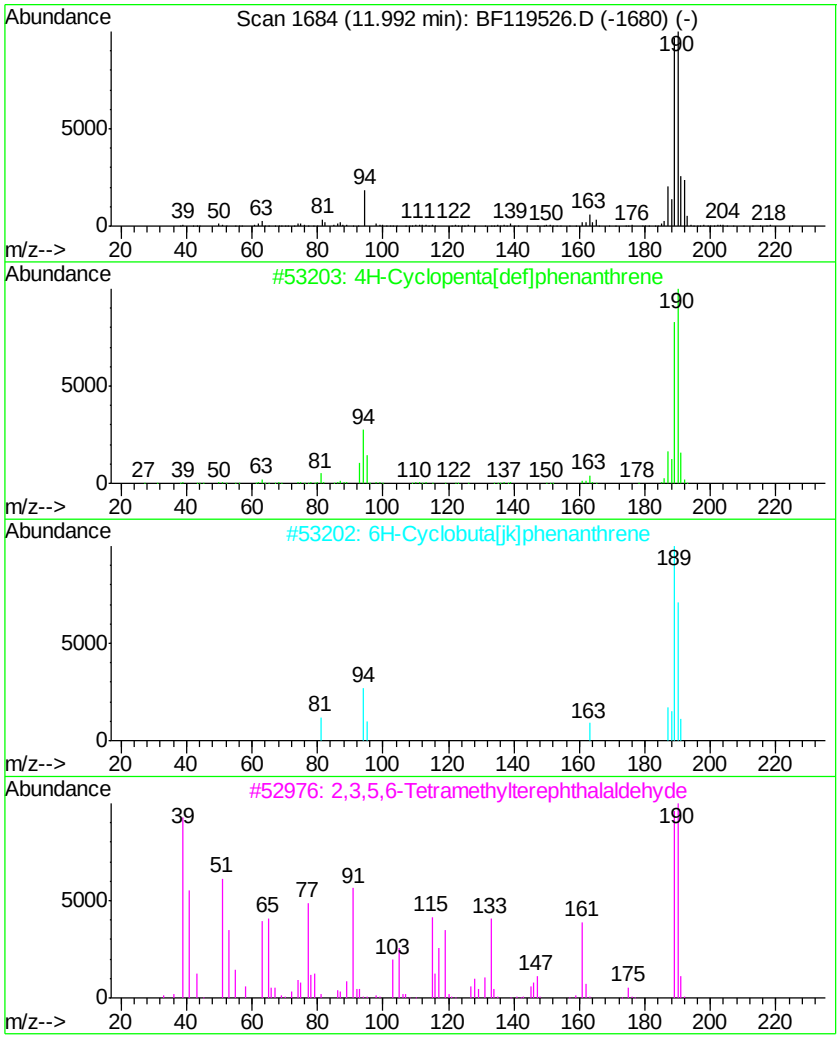
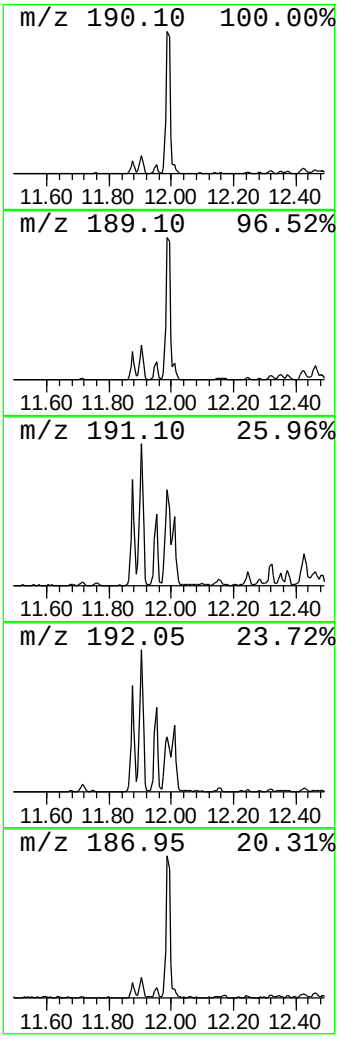
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	9.43 ng	1180920	Phenanthrene-d10	11.37

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	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119526.D
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Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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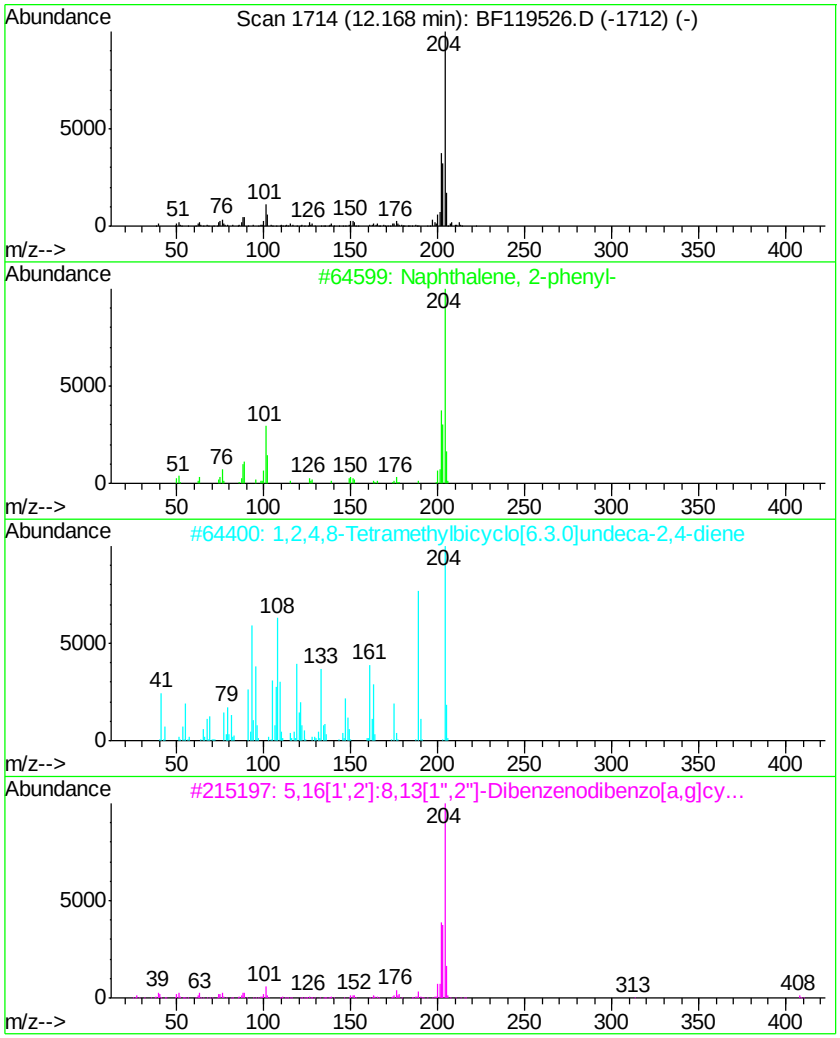
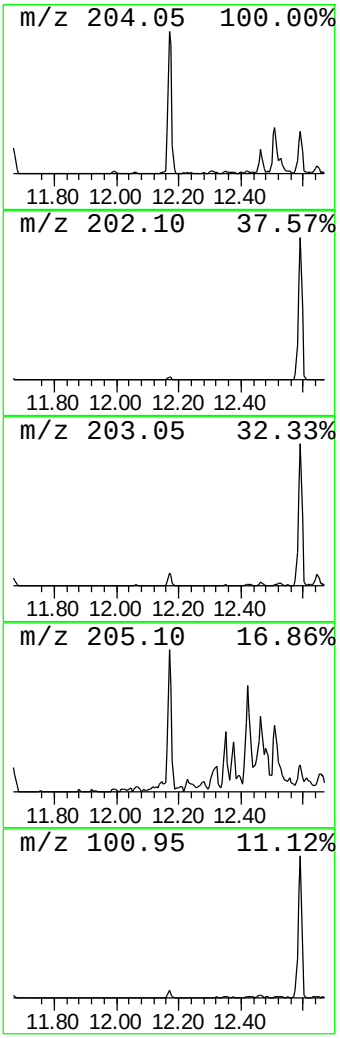
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.63 ng	329232	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119526.D
Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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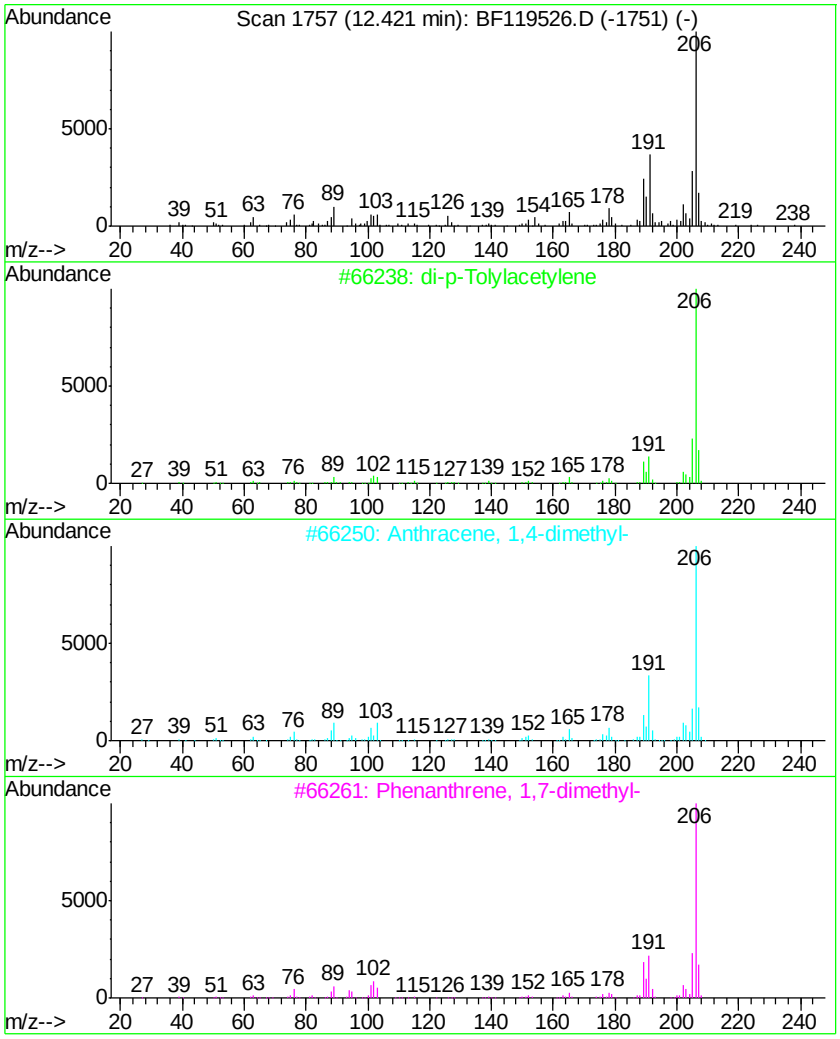
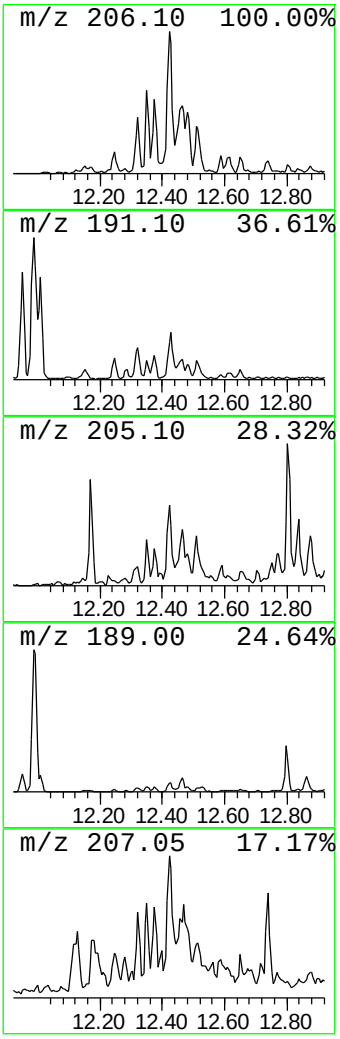
Peak Number 8 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.37 ng	297209	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	93





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Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

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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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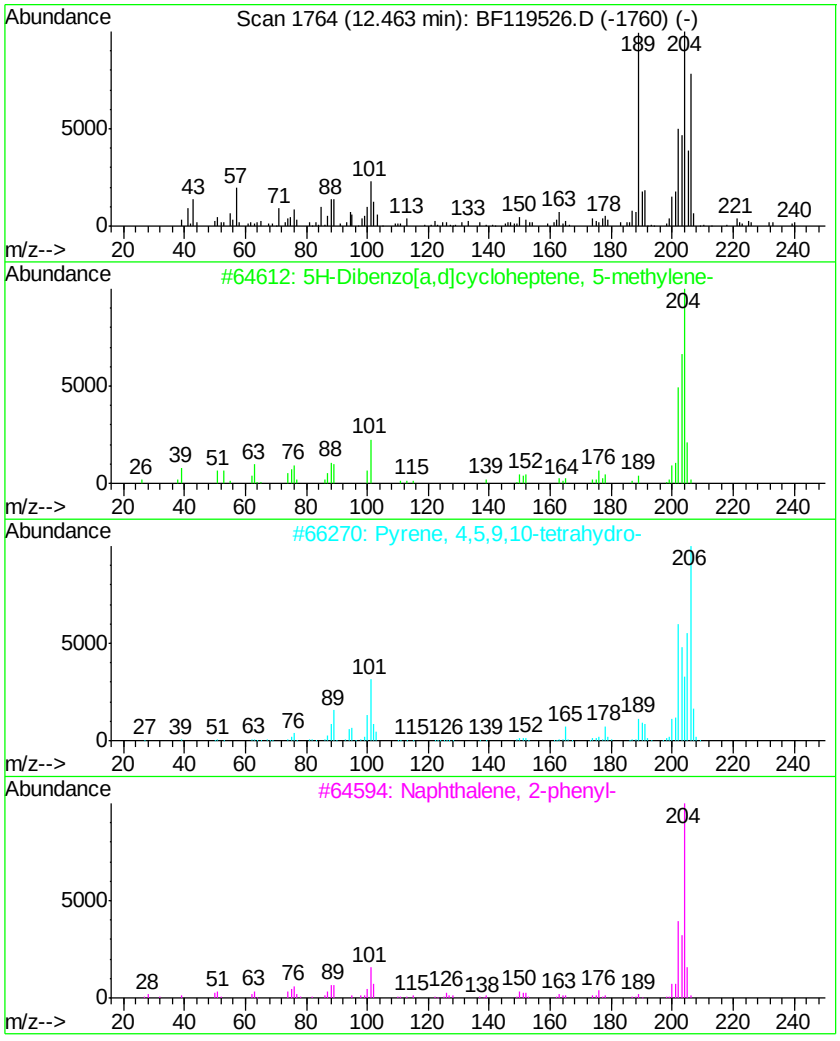
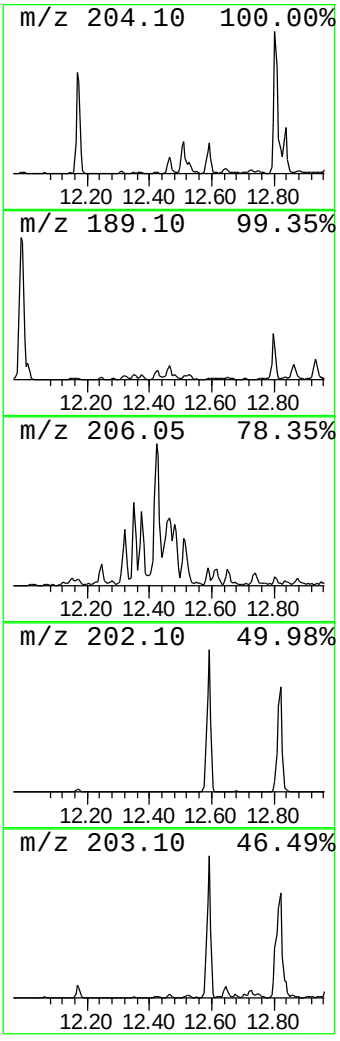
Peak Number 9 unknown12.46 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.27 ng	284140	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	22
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	18
5	Benzaldehyde, 4-(phenylethynyl)-	206	C15H10O	057341-98-7	18





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Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId : TP-3A

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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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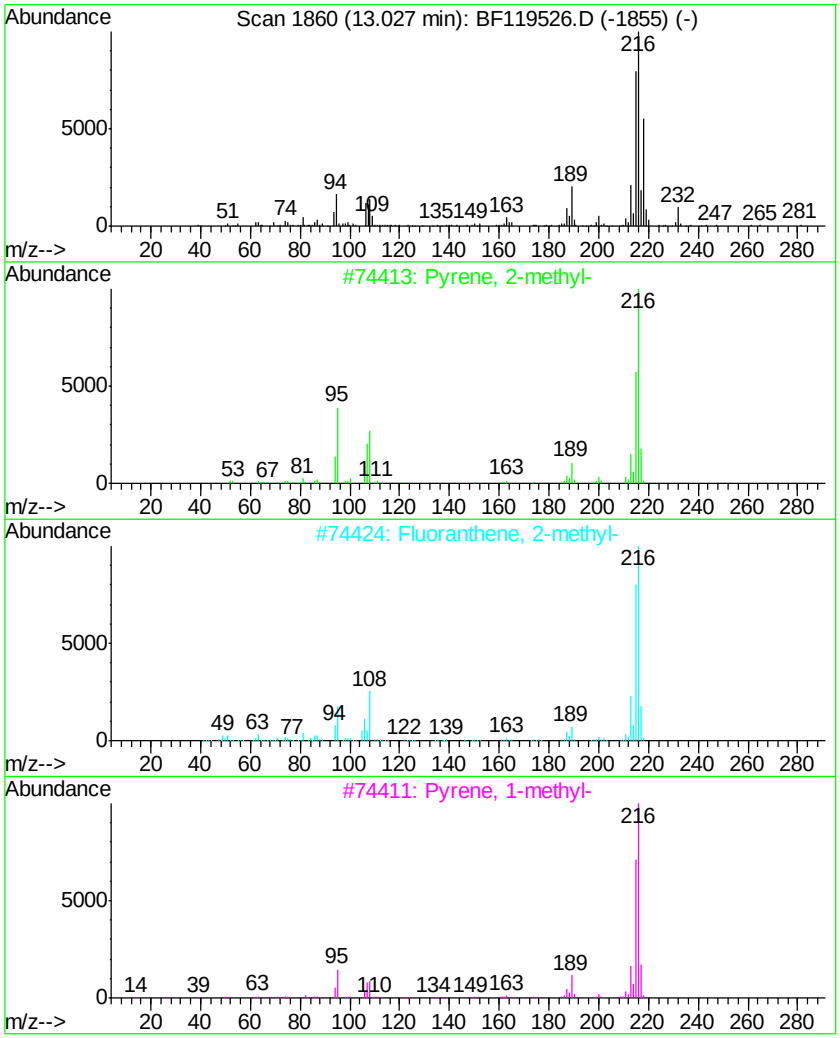
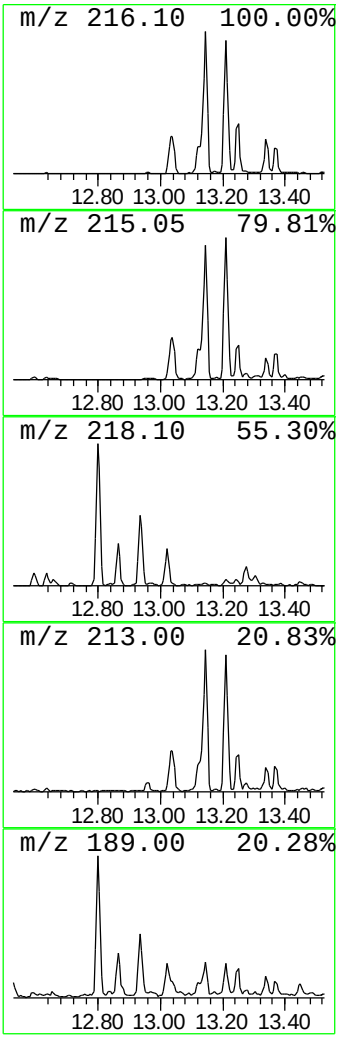
Peak Number 10 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.47 ng	553028	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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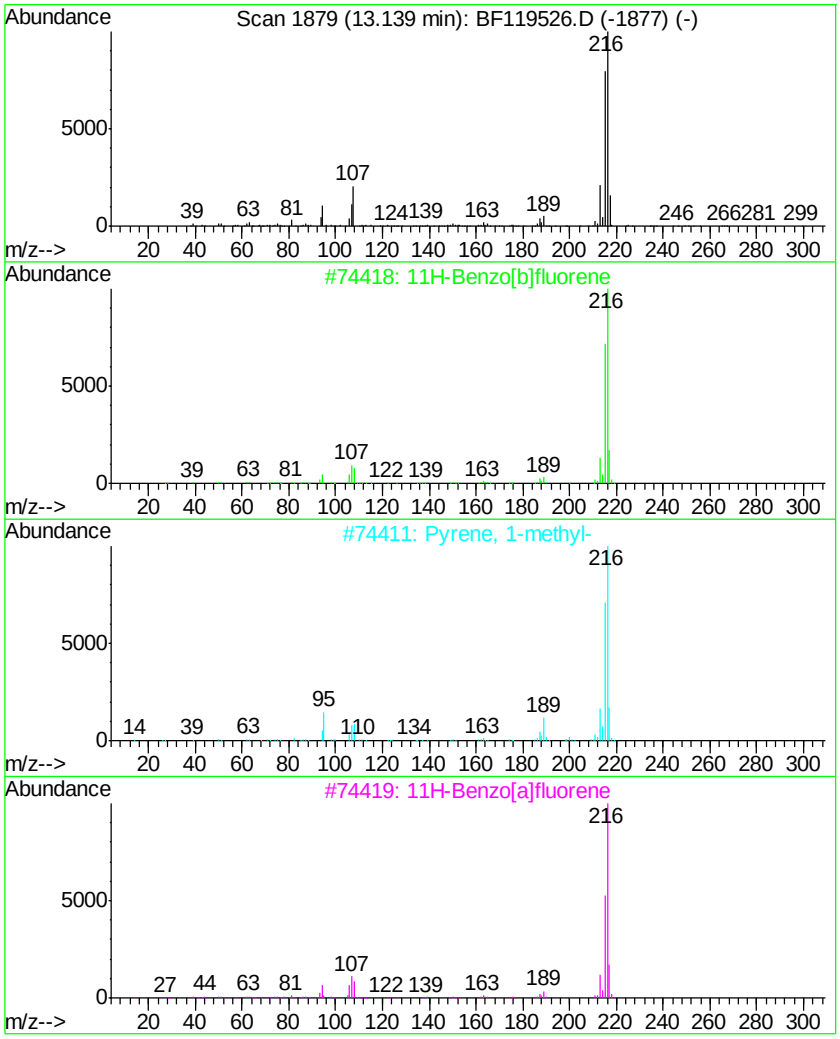
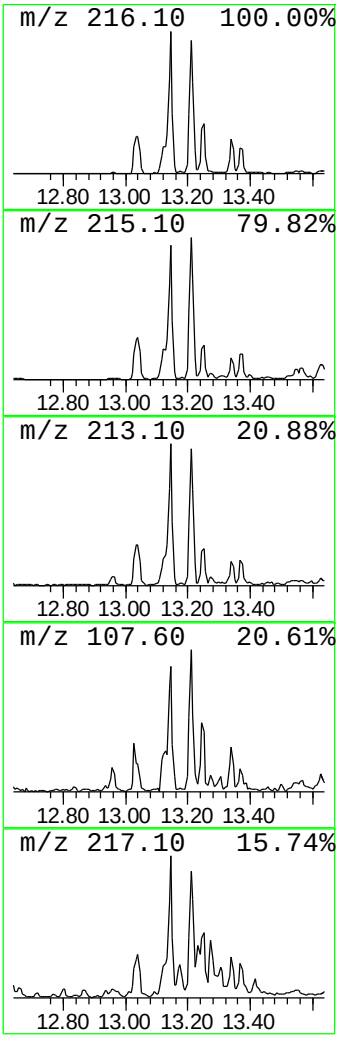
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.72 ng	833591	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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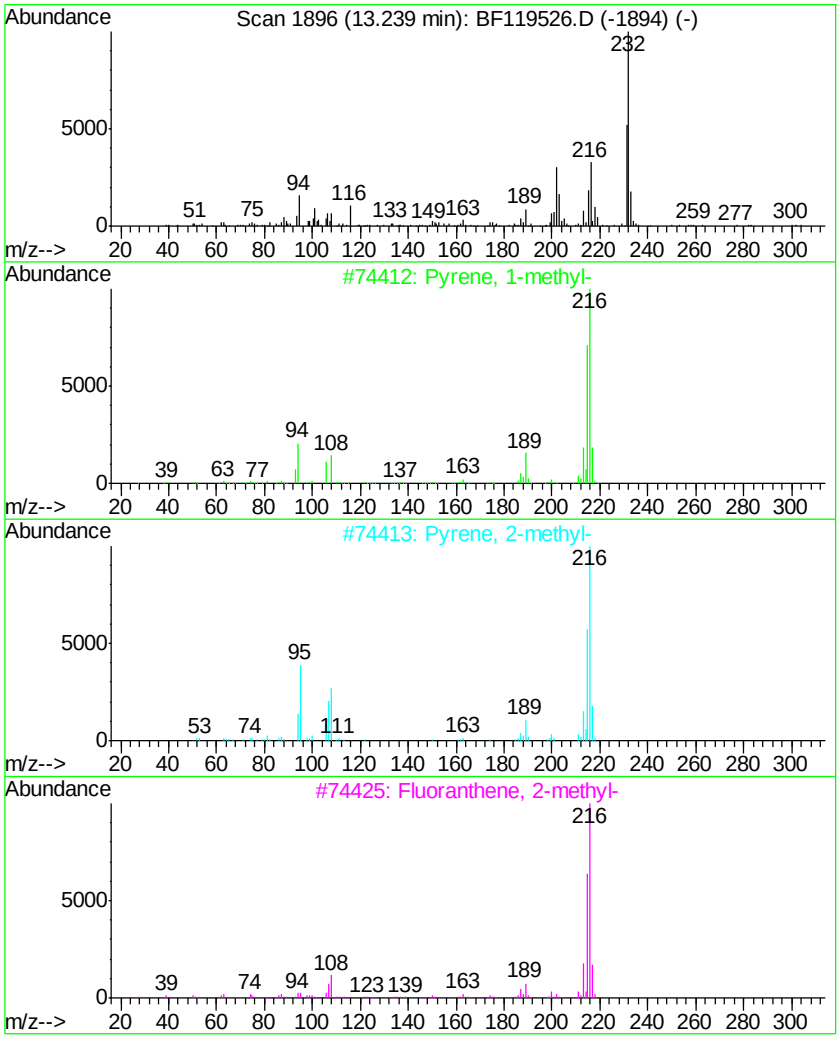
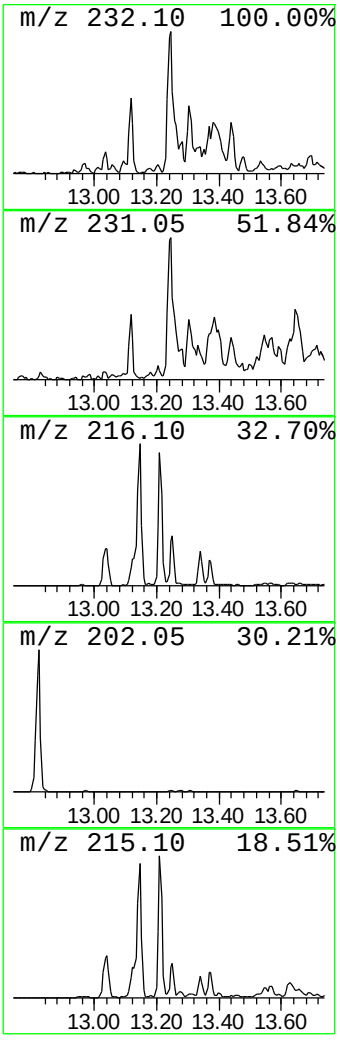
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	2.51 ng	563124	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49
5	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	43





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Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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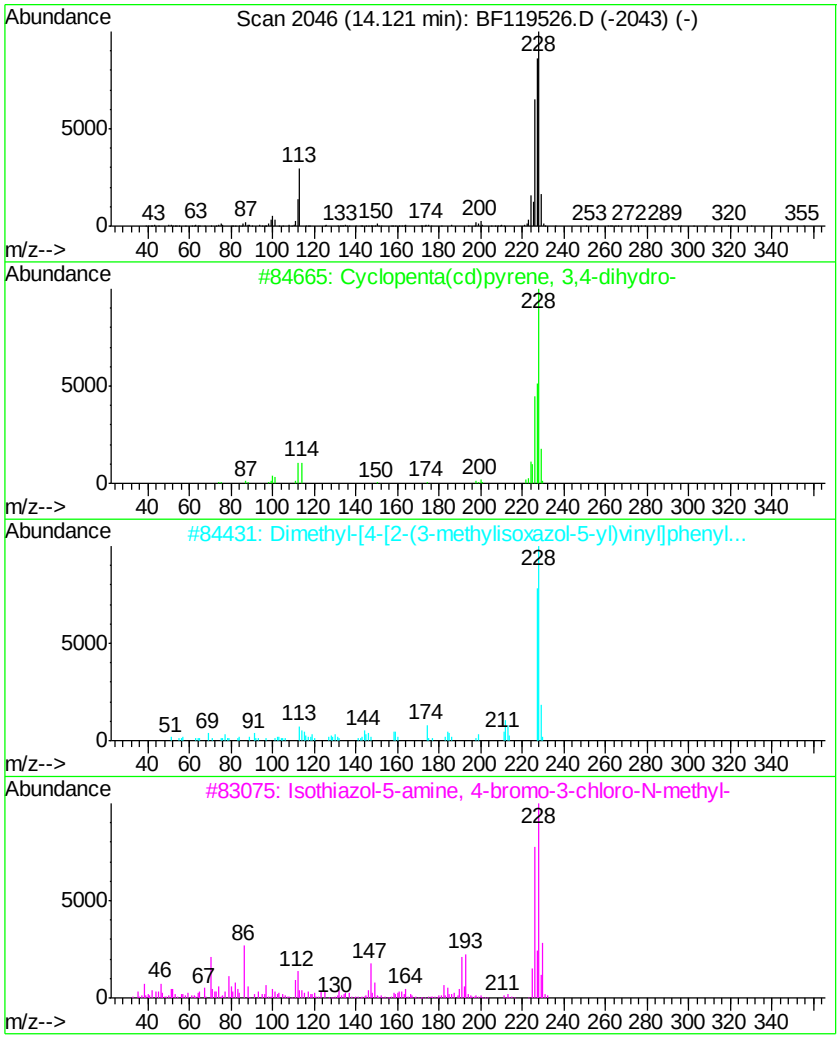
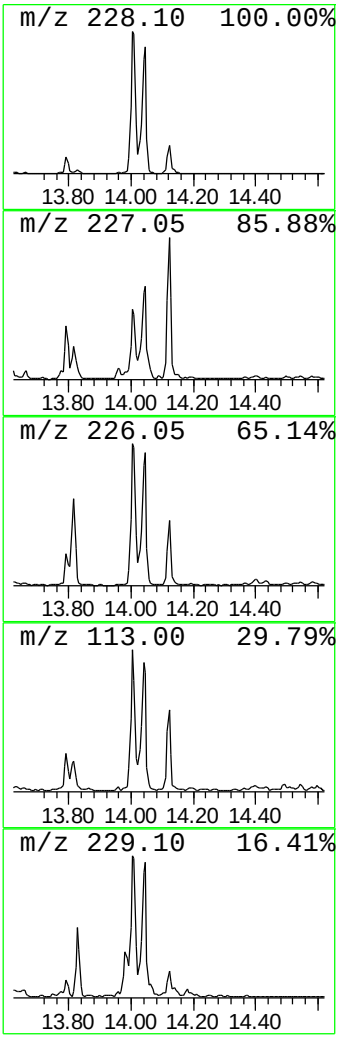
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	2.79 ng	625546	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





Library Search Compound Report

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Data File : BF119526.D
Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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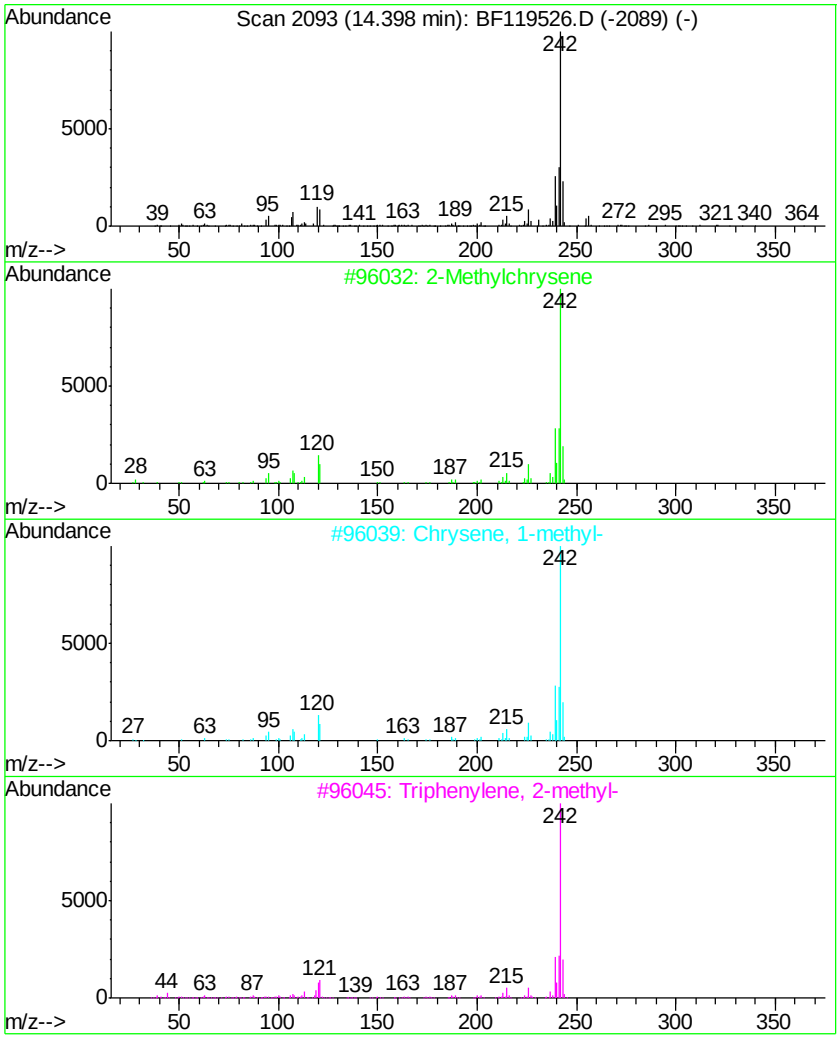
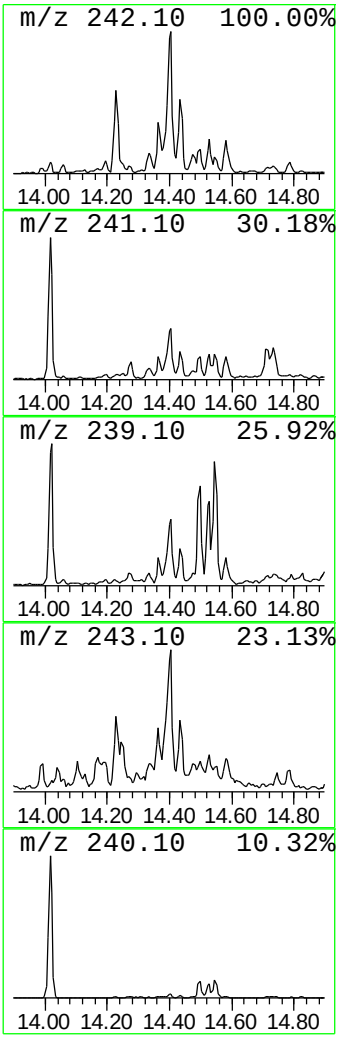
Peak Number 15 2-Methylchrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.54 ng	570002	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	93





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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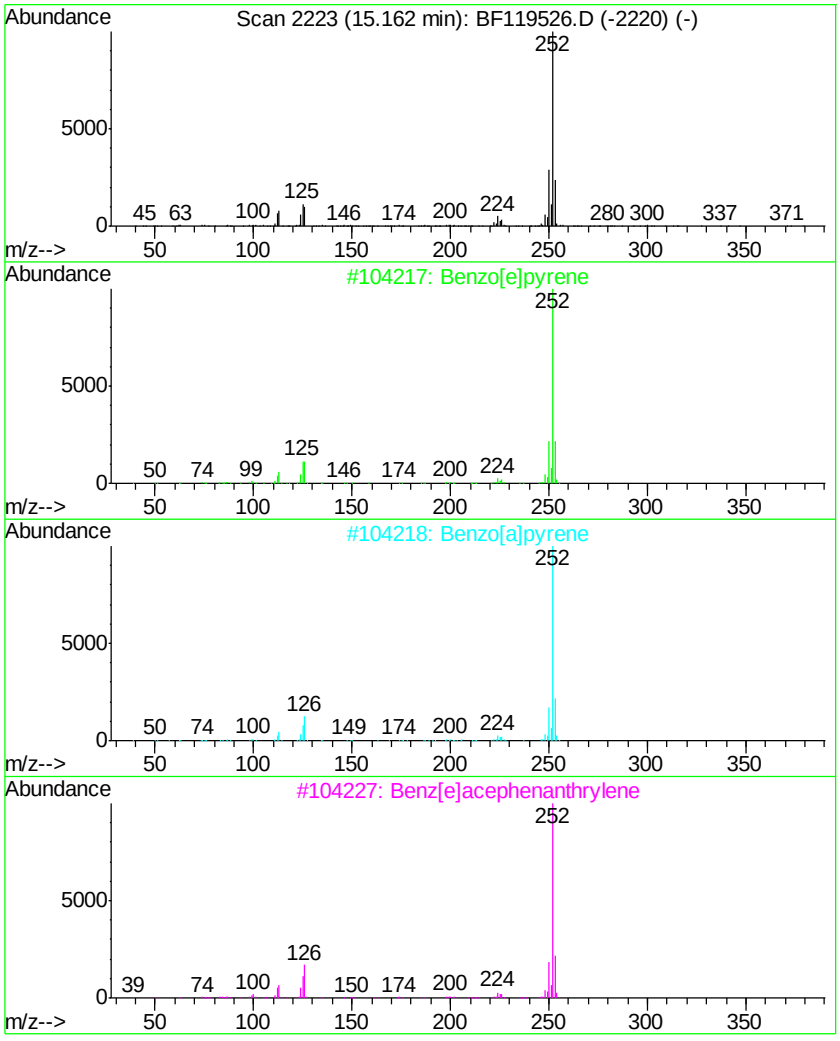
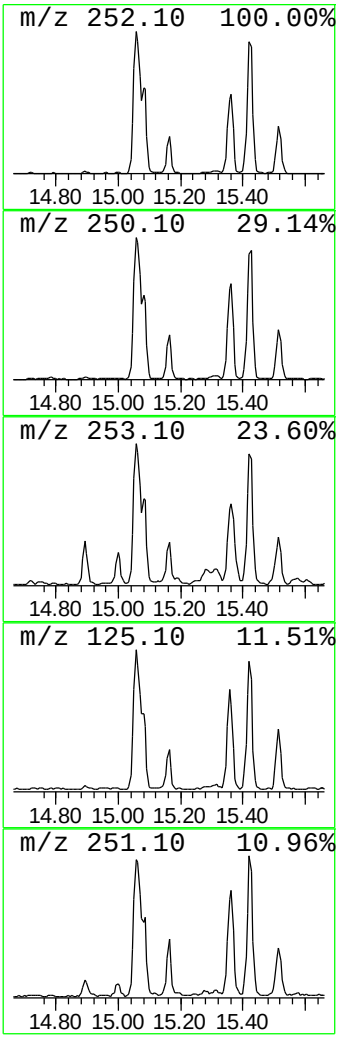
Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.57 ng	536071	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





Library Search Compound Report

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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

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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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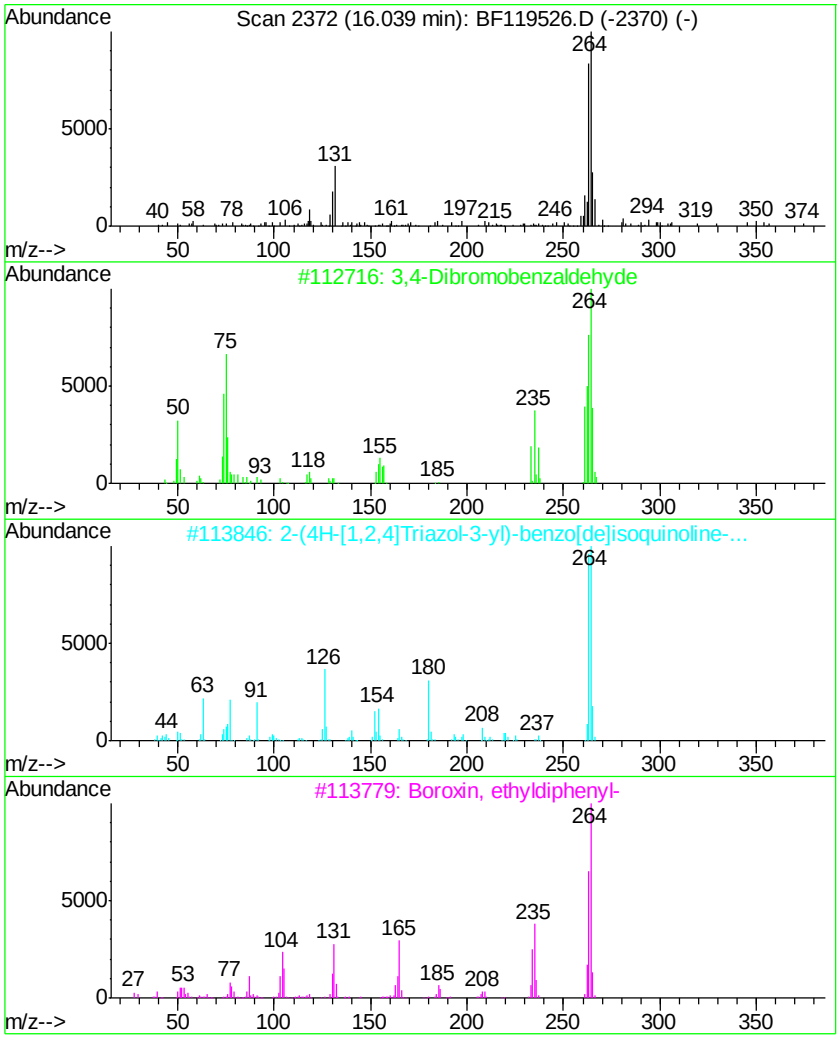
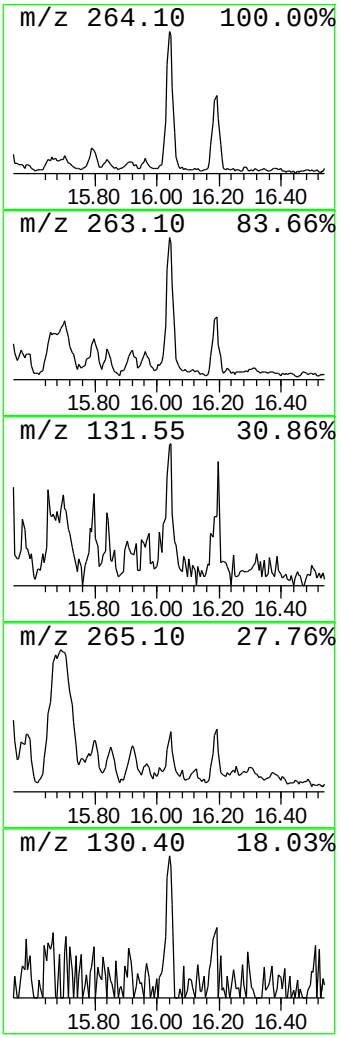
Peak Number 18 3,4-Dibromobenzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.22 ng	181374	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	45
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	35
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35





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ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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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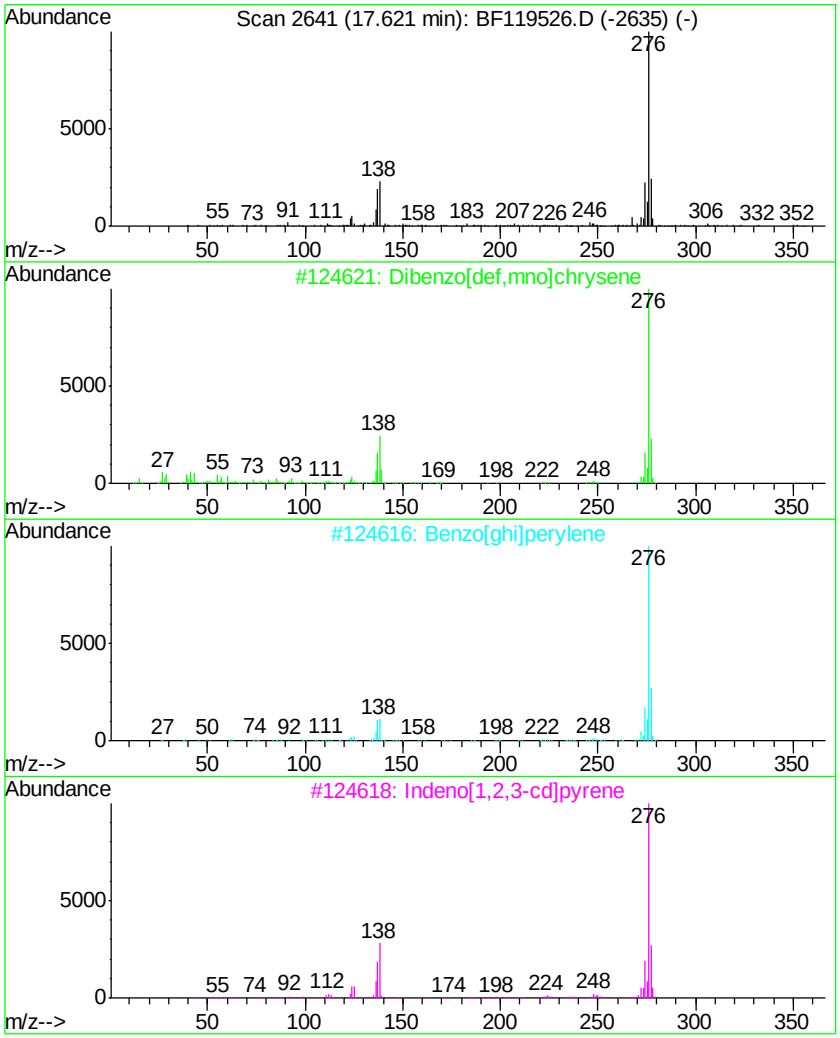
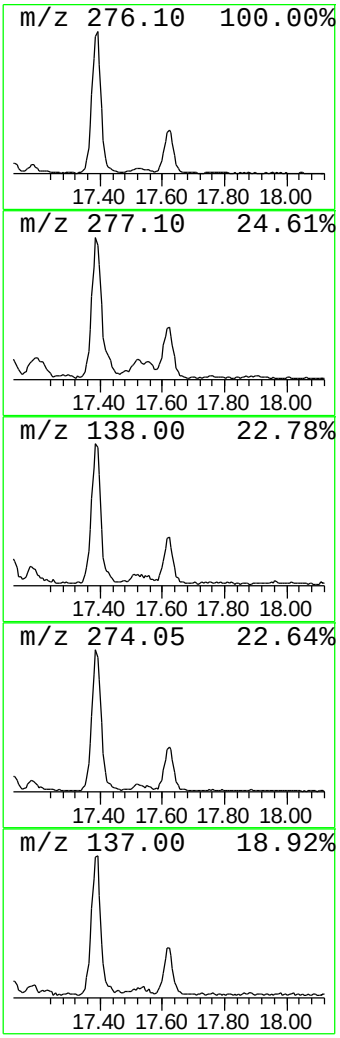
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	4.90 ng	399929	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

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Data File : BF119526.D
Acq On : 26 Mar 2020 4:21
Operator : CG/JU
Sample : L1994-06 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
Naphtho[2,3-b]thi...	11.27	2.6	ng	328652	4	11.37	2503840	20.0
Anthracene, 2-met...	11.87	3.7	ng	463816	4	11.37	2503840	20.0
Phenanthrene, 2-m...	11.95	2.9	ng	359050	4	11.37	2503840	20.0
4H-Cyclopenta[def...	11.99	9.4	ng	1180920	4	11.37	2503840	20.0
Naphthalene, 2-ph...	12.17	2.6	ng	329232	4	11.37	2503840	20.0
di-p-Tolylacetylene	12.42	2.4	ng	297209	4	11.37	2503840	20.0
unknown12.46	12.46	2.3	ng	284140	4	11.37	2503840	20.0
Pyrene, 2-methyl-	13.03	2.5	ng	553028	5	14.02	4482100	20.0
11H-Benzo[b]fluorene	13.14	3.7	ng	833591	5	14.02	4482100	20.0
Pyrene, 1-methyl-	13.24	2.5	ng	563124	5	14.02	4482100	20.0
Cyclopenta(cd)pyr...	14.12	2.8	ng	625546	5	14.02	4482100	20.0
2-Methylchrysene	14.40	2.5	ng	570002	5	14.02	4482100	20.0
Benzo[e]pyrene	15.16	6.6	ng	536071	6	15.49	1632230	20.0
3,4-Dibromobenzal...	16.04	2.2	ng	181374	6	15.49	1632230	20.0
Dibenzo[def,mno]c...	17.62	4.9	ng	399929	6	15.49	1632230	20.0