LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

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-BF051420.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	5.198	526	529	543	rBV	451276	667610	23.37%	1.634%
2	6.245	704	707	724	rBV	425484	710664	24.88%	1.740%
3	6.586	762	765	784	rBV	1022679	1216671	42.60%	2.978%
4	6.739	788	791	807	rVV	548568	649688	22.75%	1.590%
5	7.157	859	862	872	rBV	284270	426882	14.95%	1.045%
6	7.875	980	984	994	rBV	1267710	1563973	54.76%	3.828%
7	8.586	1103	1105	1112	rBV	69151	85451	2.99%	0.209%
8	8.686	1118	1122	1128	rBV	93543	103979	3.64%	0.255%
9	8.951	1163	1167	1177	rBV	887843	888774	31.12%	2.176%
10	9.216	1208	1212	1221	rBV	77193	137646	4.82%	0.337%
11	9.286	1221	1224	1227	rVV	137974	151567	5.31%	0.371%
12	9.316	1227	1229	1233	rVV	83846	97258	3.41%	0.238%
13	9.351	1233	1235	1239	rVV	102791	95323	3.34%	0.233%
14	9.404	1239	1244	1249	rVB2	58129	84947	2.97%	0.208%
15	9.486	1255	1258	1264	rVB	98567	95630	3.35%	0.234%
16	9.622	1275	1281	1285	rBV	1595778	1563176	54.73%	3.826%
17	9.657	1285	1287	1294	rVV	360770	355900	12.46%	0.871%
18	9.733	1297	1300	1305	rVB2	35457	49629	1.74%	0.121%
19	9.833	1310	1317	1320	rBV	231824	261968	9.17%	0.641%
20	9.869	1320	1323	1332	rVB	81616	103548	3.63%	0.253%
21	9.945	1332	1336	1338	rBV	66719	73363	2.57%	0.180%
22	9.974	1338	1341	1346	rVB	47320	52302	1.83%	0.128%
23	10.033	1346	1351	1353	rBV3	41486	58011	2.03%	0.142%
24	10.121	1362	1366	1371	rBV4	30018	51773	1.81%	0.127%
25	10.174	1371	1375	1381	rVV	512167	589840	20.65%	1.444%
26	10.233	1381	1385	1387	rVV2	77584	116589	4.08%	0.285%
27	10.257	1387	1389	1391	rVV2	86573	81632	2.86%	0.200%
28	10.286	1391	1394	1396	rVV	61792	74990	2.63%	0.184%
29	10.327	1399	1401	1406	rVB	119222	134214	4.70%	0.329%
30	10.416	1411	1416	1421	rBV	454103	567604	19.87%	1.389%
31	10.539	1434	1437	1445	rVB3	98086	113475	3.97%	0.278%
32	10.721	1463	1468	1470	rBV2	140321	175721	6.15%	0.430%
33	10.745	1470	1472	1476	rVV2	89430	110382	3.86%	0.270%
34	10.804	1479	1482	1484	rVV	73122	72509	2.54%	0.177%

LSC Area Percent Report

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Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

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-BF051420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.851	1484	1490	1491	rVV2	64395	87752	3.07%	0.215%
36	10.869	1491	1493	1495	rVV	77620	77546	2.71%	0.190%
37	10.921	1499	1502	1506	rVV3	51799	65888	2.31%	0.161%
38	10.963	1506	1509	1511	rVV	85177	93608	3.28%	0.229%
39	11.004	1511	1516	1524	rVB2	191219	289625	10.14%	0.709%
40	11.110	1530	1534	1536	rBV	1369465	1403309	49.13%	3.435%
41	11.133	1536	1538	1542	rVV	2398591	2035647	71.27%	4.983%
42	11.186	1543	1547	1551	rVV	786837	887871	31.08%	2.173%
43	11.221	1551	1553	1556	rVV2	100429	133738	4.68%	0.327%
44	11.268	1559	1561	1567	rVV3	42200	73961	2.59%	0.181%
45	11.345	1570	1574	1582	rVV	194156	294687	10.32%	0.721%
46	11.410	1582	1585	1588	rVV3	75136	108571	3.80%	0.266%
47	11.439	1588	1590	1596	rVB2	77273	97288	3.41%	0.238%
48	11.521	1601	1604	1610	rVB	51182	65443	2.29%	0.160%
49	11.610	1615	1619	1621	rBV	367081	337569	11.82%	0.826%
50	11.639	1621	1624	1629	rVB	425438	392878	13.75%	0.962%
51	11.686	1629	1632	1634	rBV	240995	200300	7.01%	0.490%
52	11.721	1634	1638	1640	rVV	707146	760495	26.63%	1.862%
53	11.745	1640	1642	1648	rVB	279564	277985	9.73%	0.680%
54	11.798	1648	1651	1653	rBV2	42021	47740	1.67%	0.117%
55	11.904	1666	1669	1673	rBV	191773	189311	6.63%	0.463%
56	12.057	1692	1695	1697	rVB	68354	62971	2.20%	0.154%
57	12.086	1697	1700	1702	rBV	122780	98920	3.46%	0.242%
58	12.110	1702	1704	1708	rVB	92244	87967	3.08%	0.215%
59	12.157	1709	1712	1715	rBV	276154	295533	10.35%	0.723%
60	12.198	1715	1719	1721	rVV	157297	217875	7.63%	0.533%
61	12.251	1725	1728	1731	rBV3	129992	148784	5.21%	0.364%
62	12.321	1736	1740	1746	rBV	2819828	2697178	94.43%	6.602%
63	12.386	1749	1751	1754	rVB2	69709	59752	2.09%	0.146%
64	12.468	1762	1765	1769	rBV	124315	117483	4.11%	0.288%
65	12.545	1773	1778	1785	rBV2	2115594	2856307	100.00%	6.992%
66	12.604	1785	1788	1792	rVB2	141010	179937	6.30%	0.440%
67	12.668	1796	1799	1800	rBV2	124585	108096	3.78%	0.265%
68	12.692	1800	1803	1811	rVB	725614	834866	29.23%	2.044%
69	12.768	1811	1816	1820	rBV3	193103	332922	11.66%	0.815%
70	12.857	1827	1831	1832	rBV2	159559	185246	6.49%	0.453%
71	12.880	1832	1835	1839	rVB2	461604	477603	16.72%	1.169%

LSC Area Percent Report

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Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

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-BF051420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.945	1842	1846	1849	rVV	441995	442911	15.51%	1.084%
73	12.980	1849	1852	1856	rVV	301608	337915	11.83%	0.827%
74	13.039	1860	1862	1864	rBV	60466	57660	2.02%	0.141%
75	13.068	1865	1867	1870	rVB	130236	125284	4.39%	0.307%
76	13.104	1870	1873	1877	rBV2	156748	177158	6.20%	0.434%
77	13.280	1900	1903	1905	rBV3	96106	91198	3.19%	0.223%
78	13.362	1914	1917	1920	rBV3	96884	138208	4.84%	0.338%
79	13.498	1937	1940	1942	rBV	165104	154032	5.39%	0.377%
80	13.521	1942	1944	1946	rVV	155649	113477	3.97%	0.278%
81	13.545	1946	1948	1950	rVV	85982	64728	2.27%	0.158%
82	13.745	1975	1982	1985	rBV2	1764412	2796831	97.92%	6.846%
83	13.774	1985	1987	1995	rVB	1057326	1046590	36.64%	2.562%
84	13.851	1997	2000	2003	rVB	181468	165870	5.81%	0.406%
85	13.898	2006	2008	2010	rBV2	77238	77949	2.73%	0.191%
86	14.098	2039	2042	2044	rBV	112787	111302	3.90%	0.272%
87	14.133	2046	2048	2051	rVV	260878	239222	8.38%	0.586%
88	14.168	2052	2054	2056	rVB	129409	102444	3.59%	0.251%
89	14.227	2062	2064	2067	rVB	158188	127210	4.45%	0.311%
90	14.257	2067	2069	2071	rBV2	151619	126189	4.42%	0.309%
91	14.751	2149	2153	2163	rBV	923054	1690380	59.18%	4.138%
92	14.851	2167	2170	2175	rVB	179477	179340	6.28%	0.439%
93	15.021	2196	2199	2205	rVB	524751	631420	22.11%	1.546%
94	15.080	2205	2209	2214	rBV	826151	994637	34.82%	2.435%
95	15.133	2214	2218	2221	rBV	823050	1017470	35.62%	2.491%
96	15.727	2317	2319	2323	rVB2	108556	119477	4.18%	0.292%
97	16.109	2381	2384	2389	rBV3	127275	190108	6.66%	0.465%
98	16.445	2436	2441	2448	rVB2	303778	569593	19.94%	1.394%
99	16.833	2504	2507	2518	rVB	227289	487096	17.05%	1.192%
100	17.068	2541	2547	2552	rBV2	87637	211149	7.39%	0.517%

Sum of corrected areas: 40852189

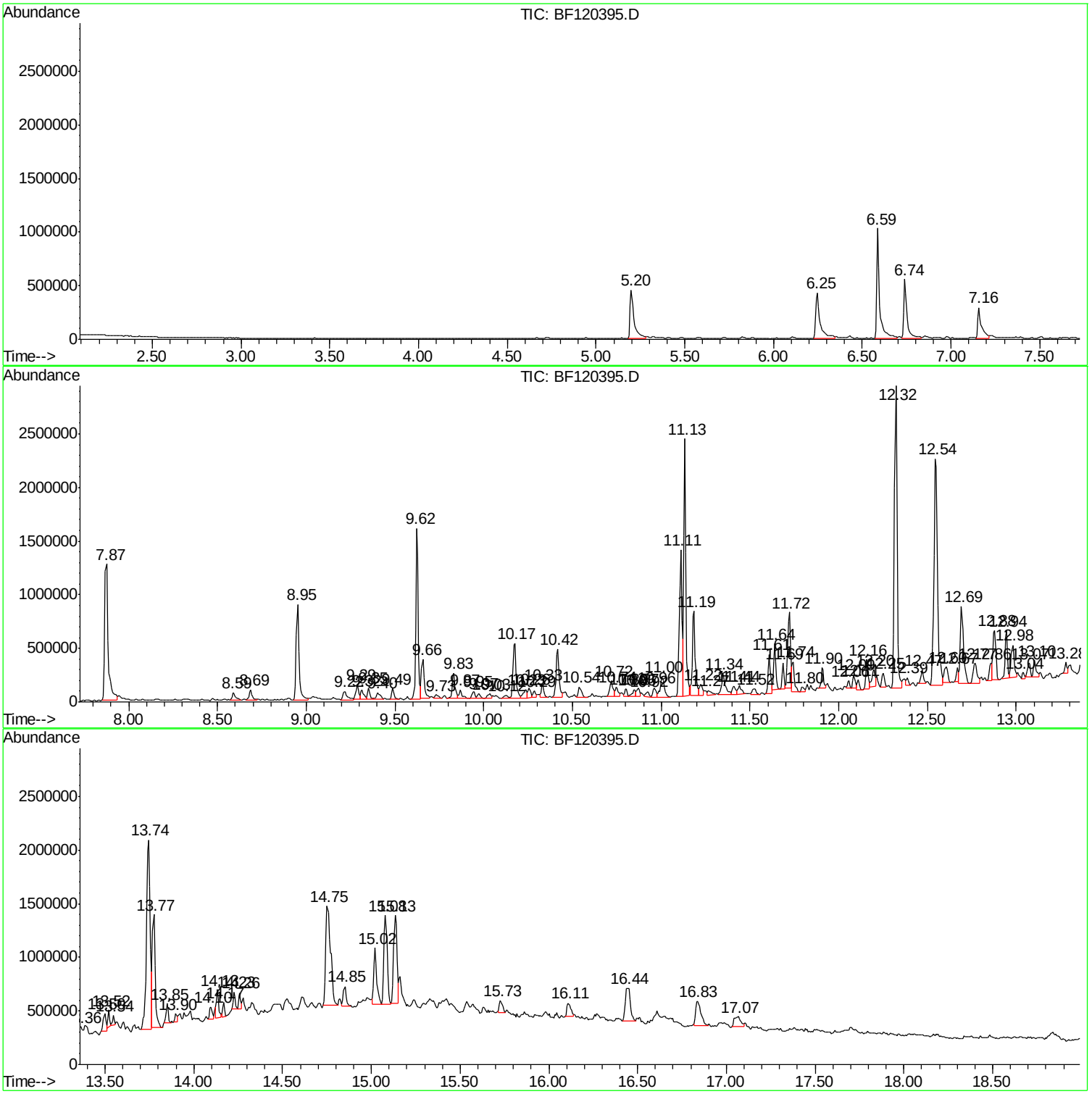
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.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\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

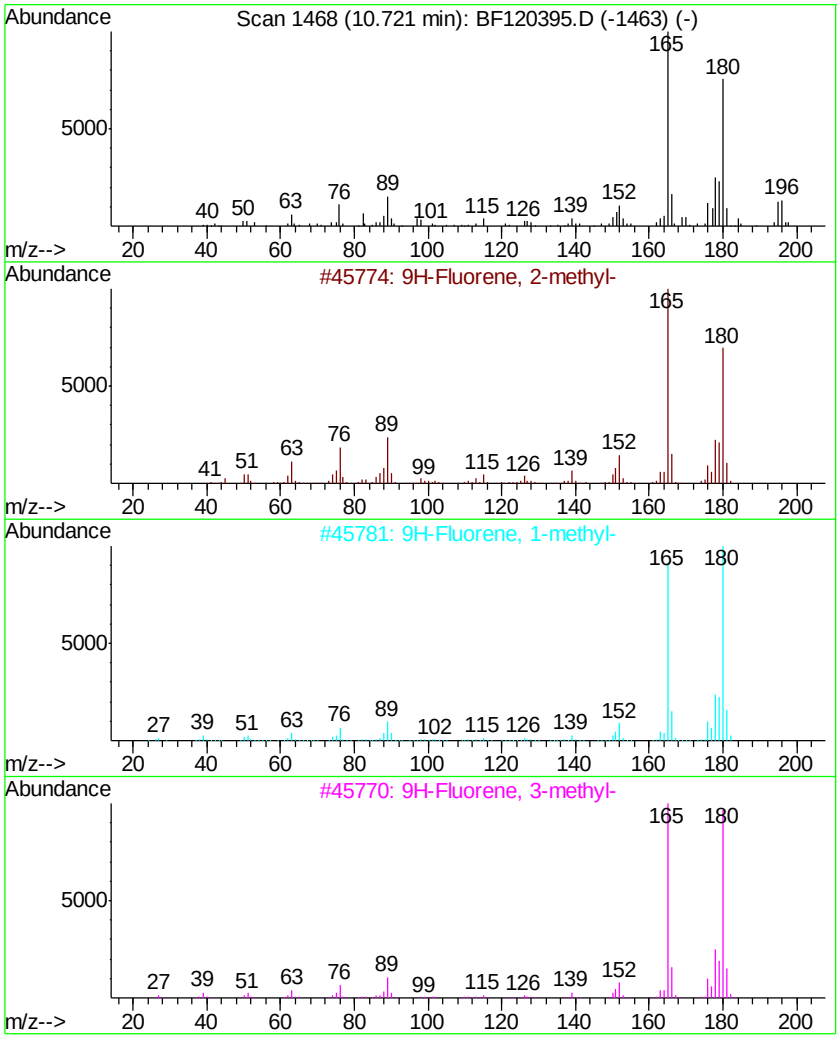
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

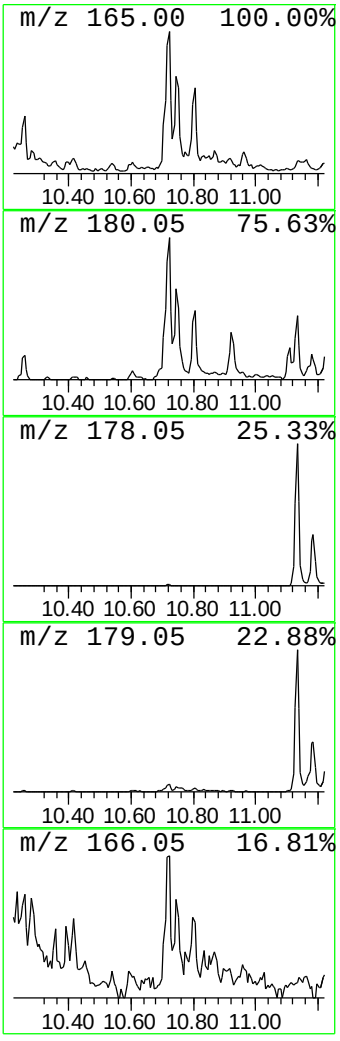
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	2.50 ng	175721	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.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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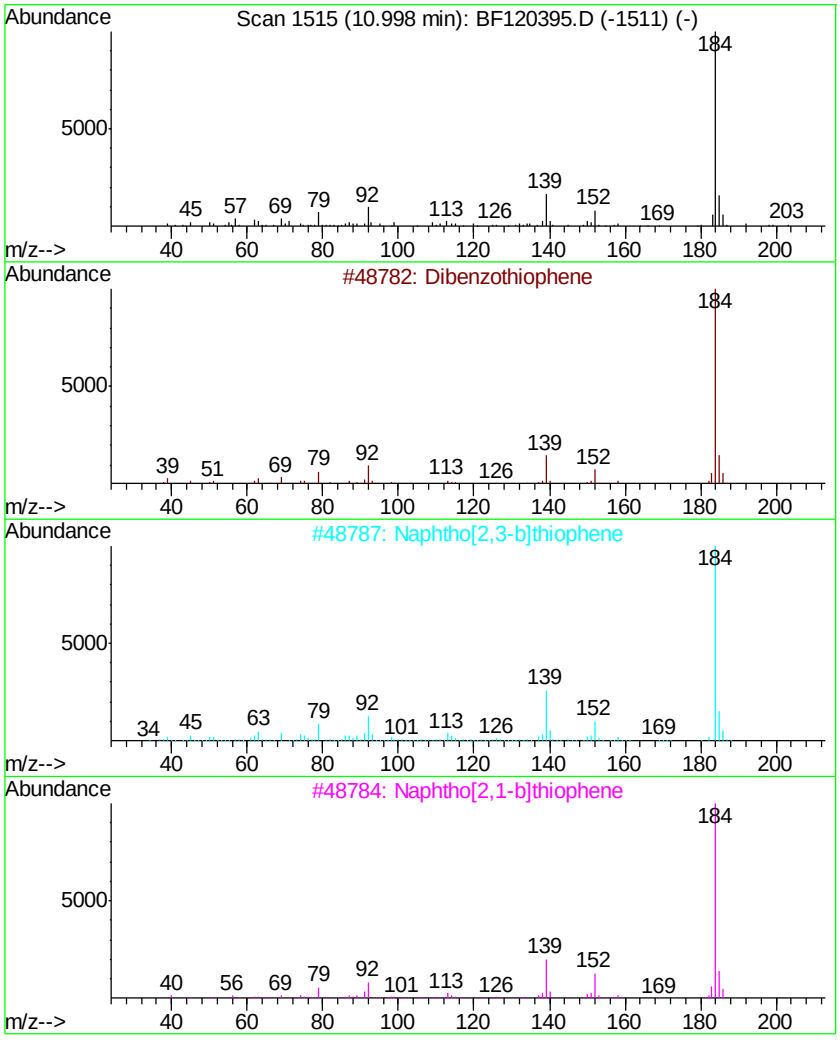
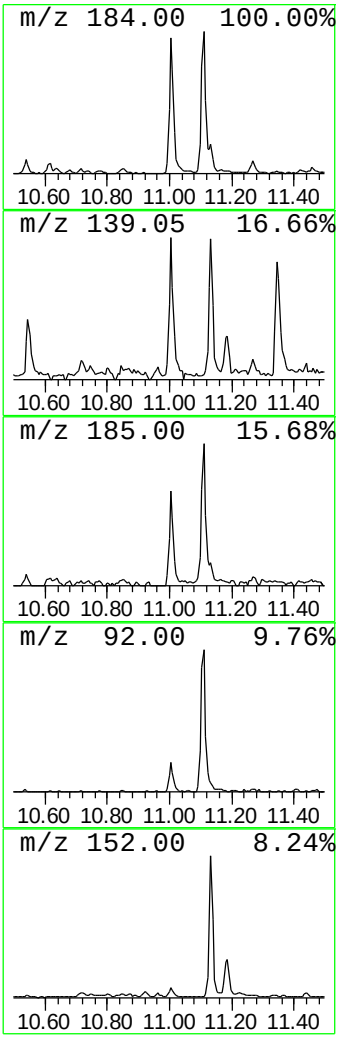
Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	4.13 ng	289625	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.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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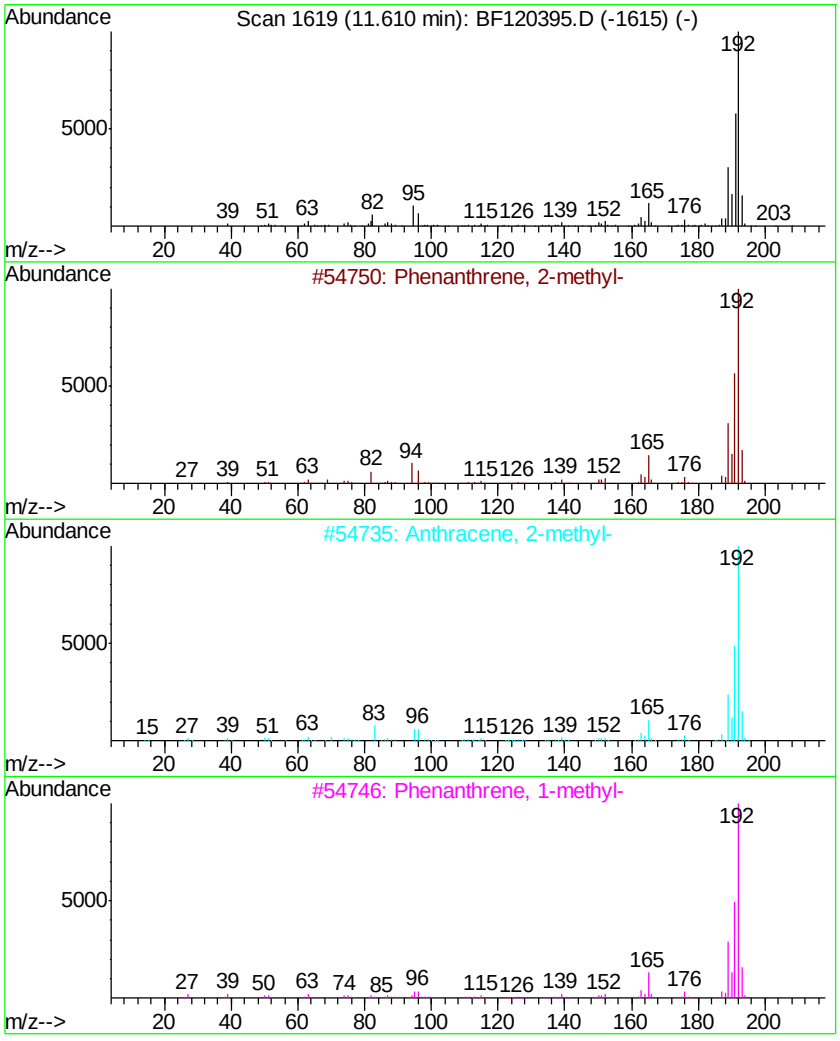
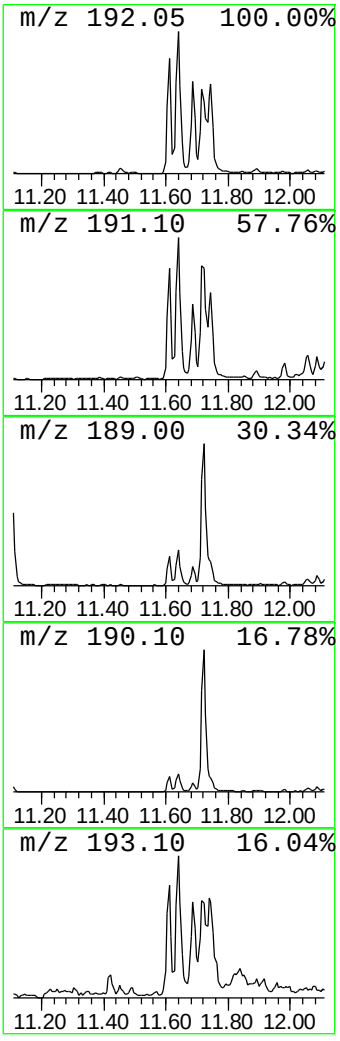
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	4.81 ng	337569	Phenanthrene-d10	11.11

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	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

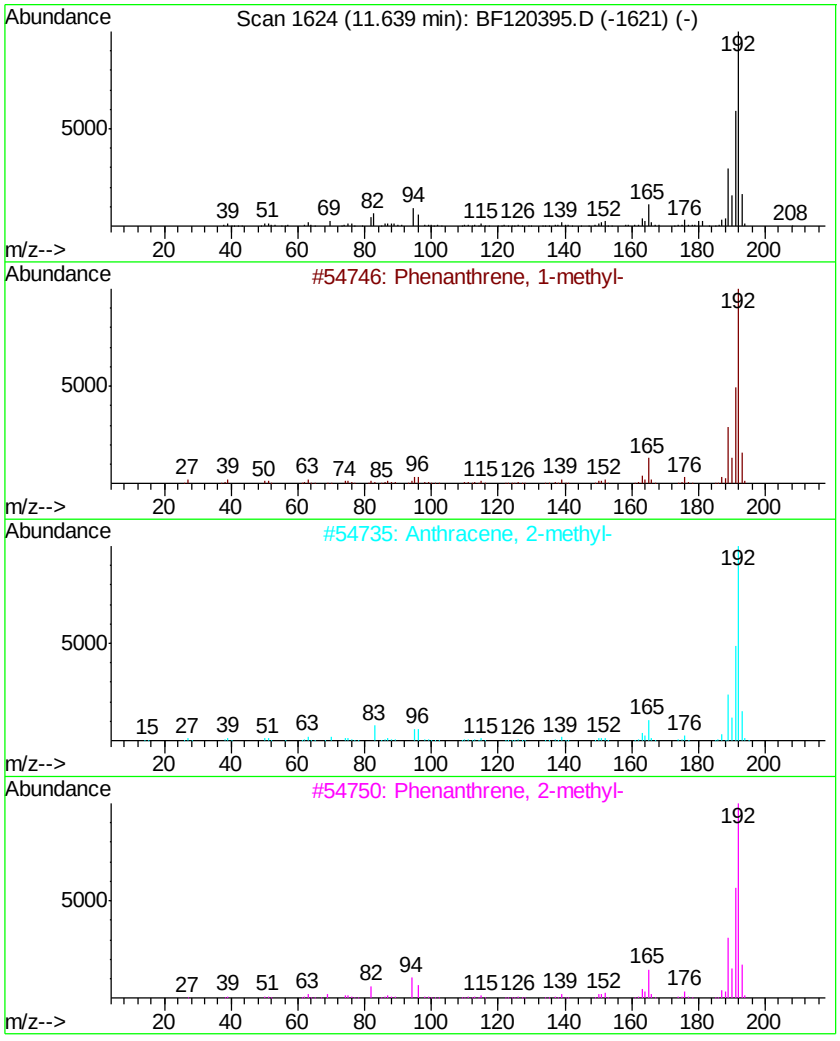
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

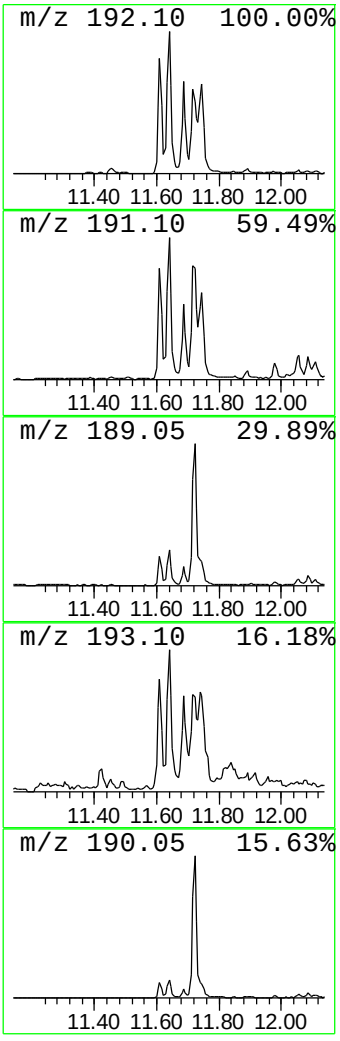
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	5.60 ng	392878	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

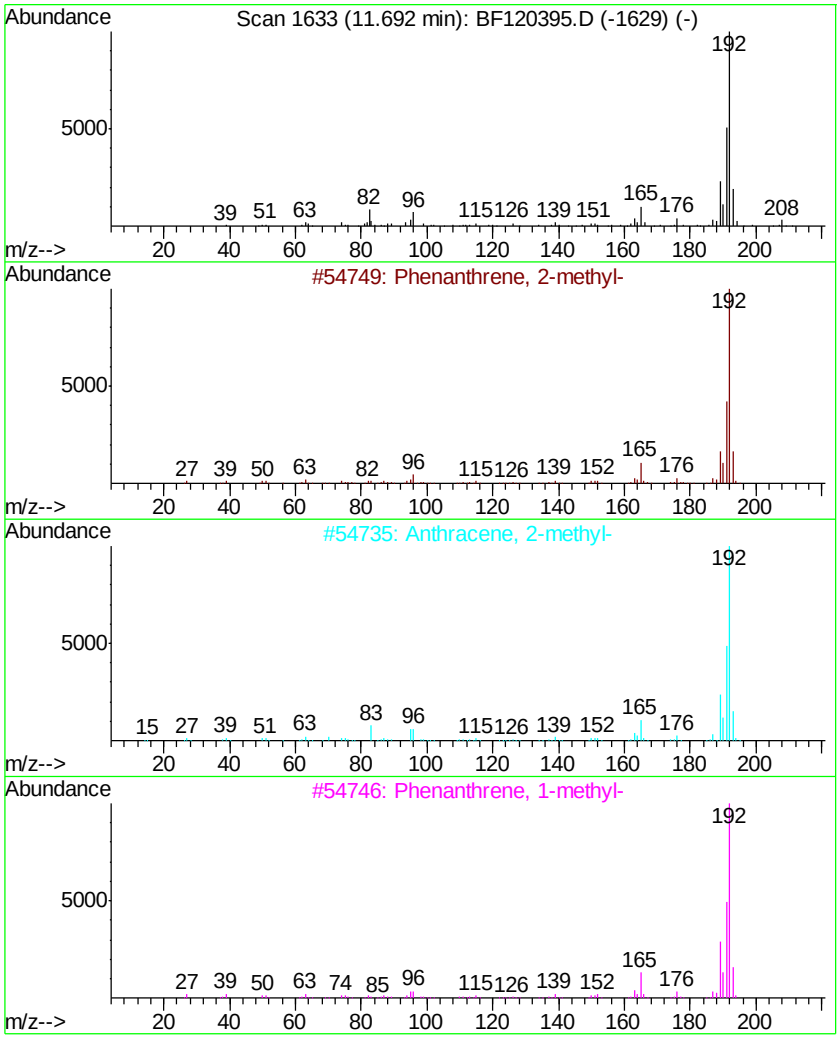
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

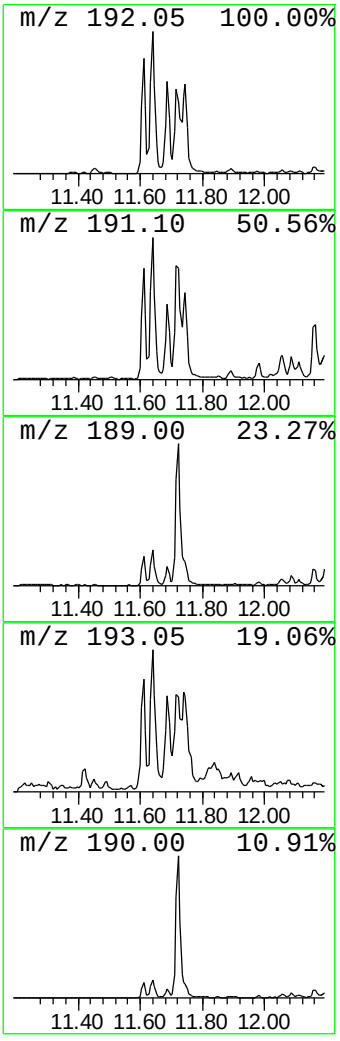
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	2.85 ng	200300	Phenanthrene-d10	11.11

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	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

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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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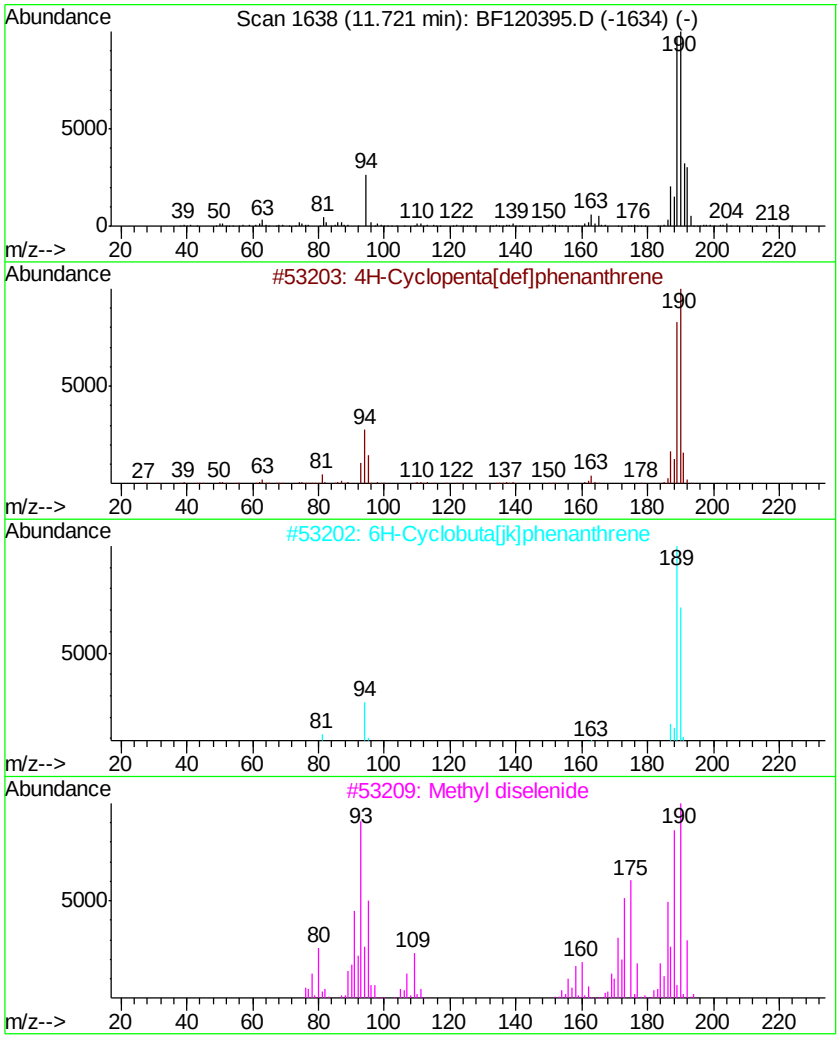
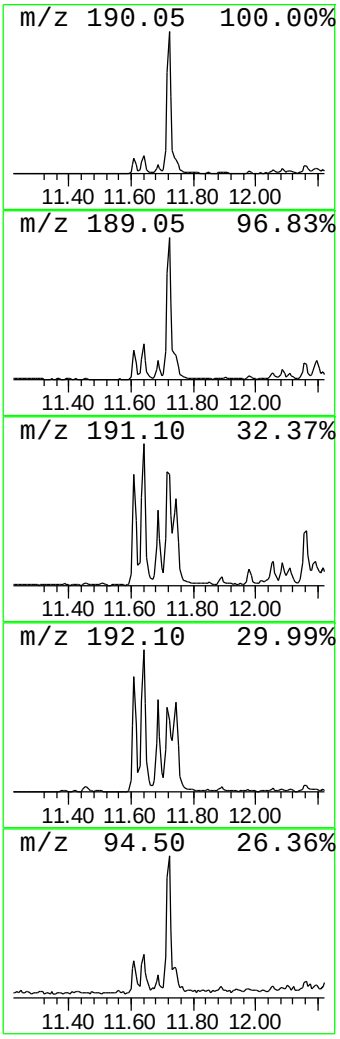
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	10.84 ng	760495	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Sample : L2497-05 5X
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Instrument : BNA_F
ClientSampleId : HD-02-051920

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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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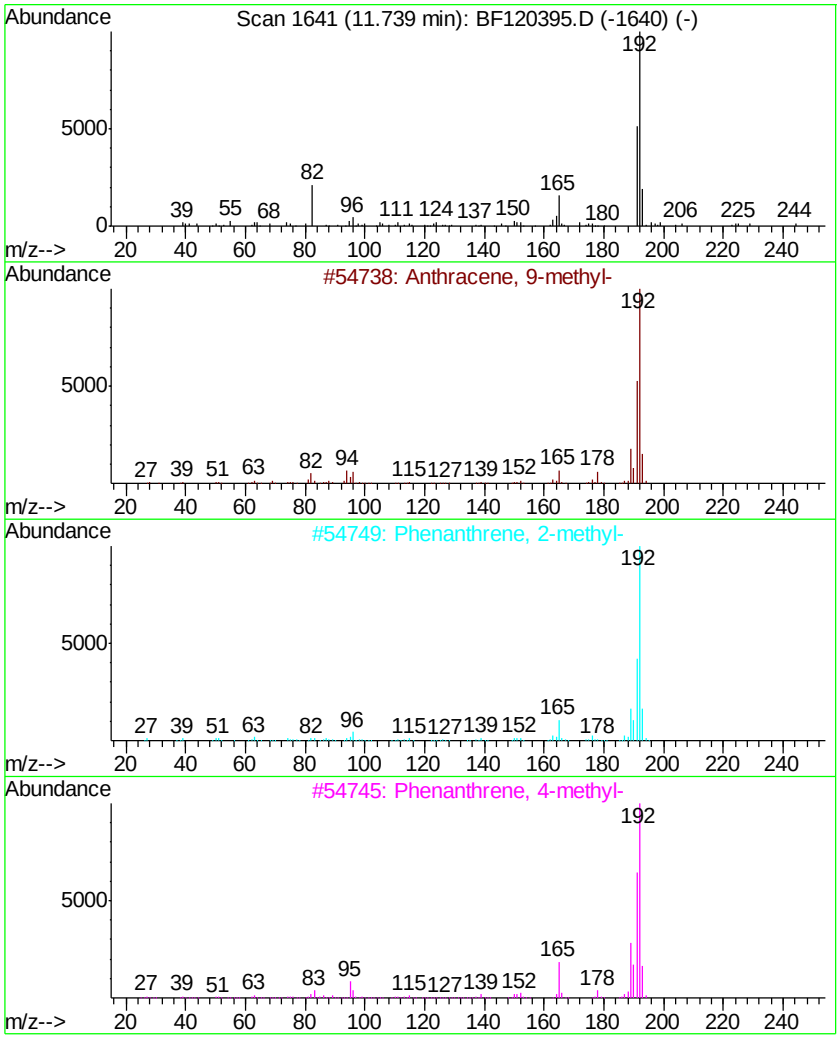
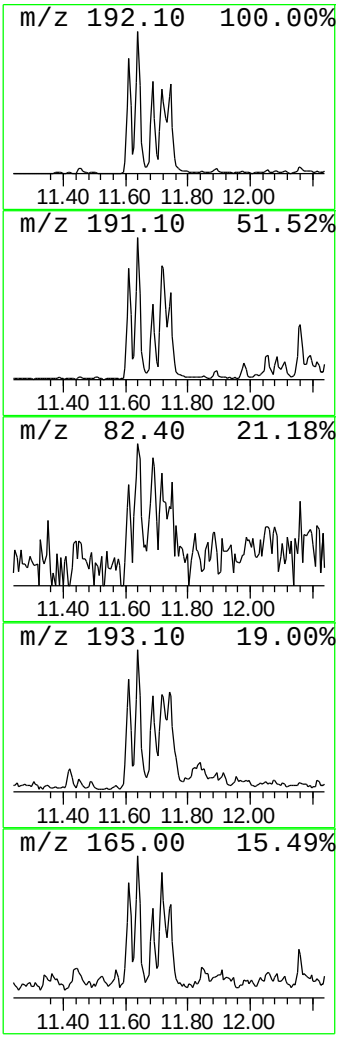
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	3.96 ng	277985	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80





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ClientSampleId : HD-02-051920

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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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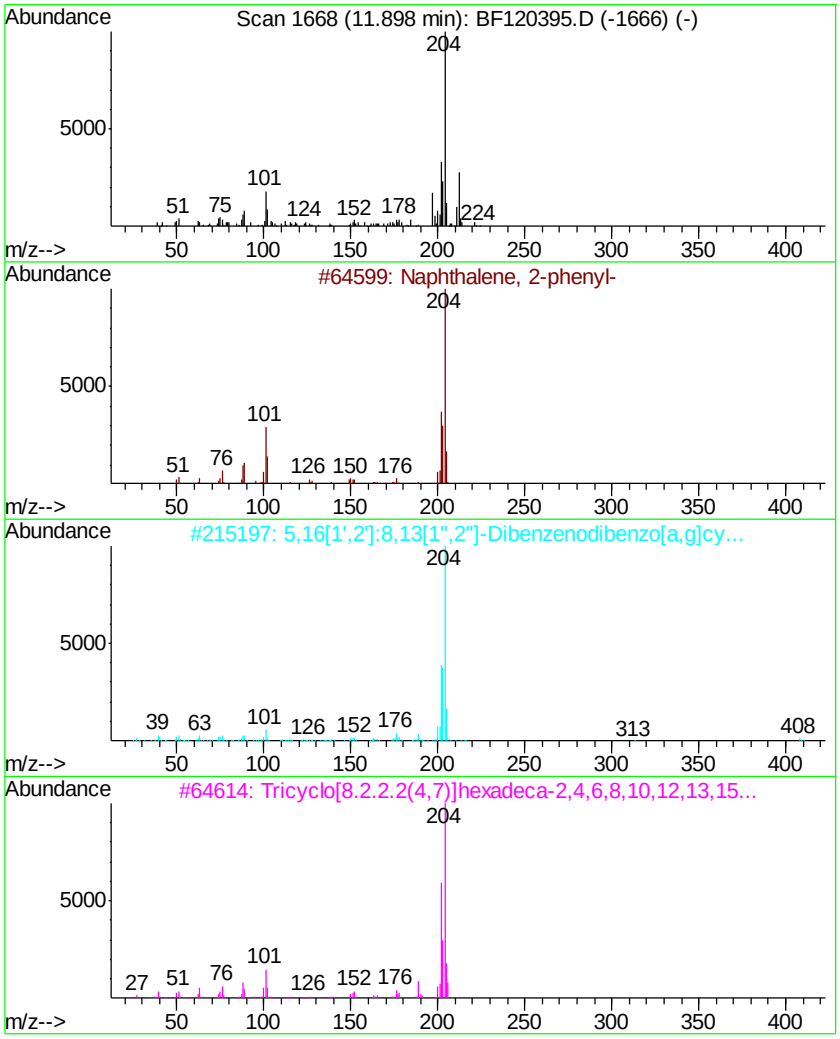
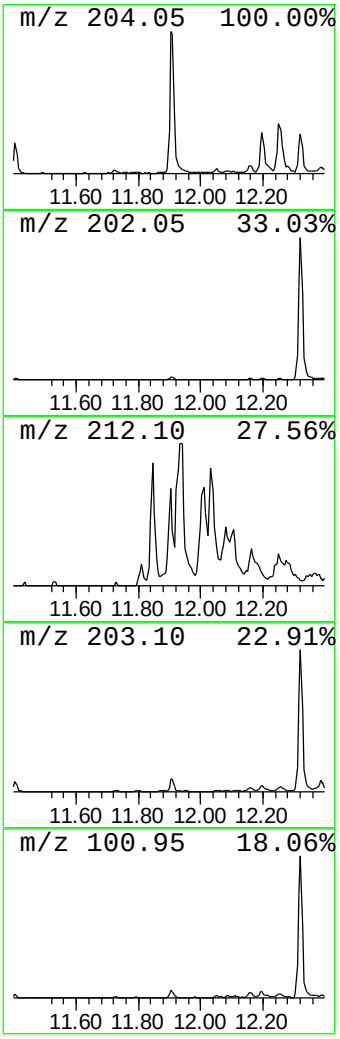
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.70 ng	189311	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	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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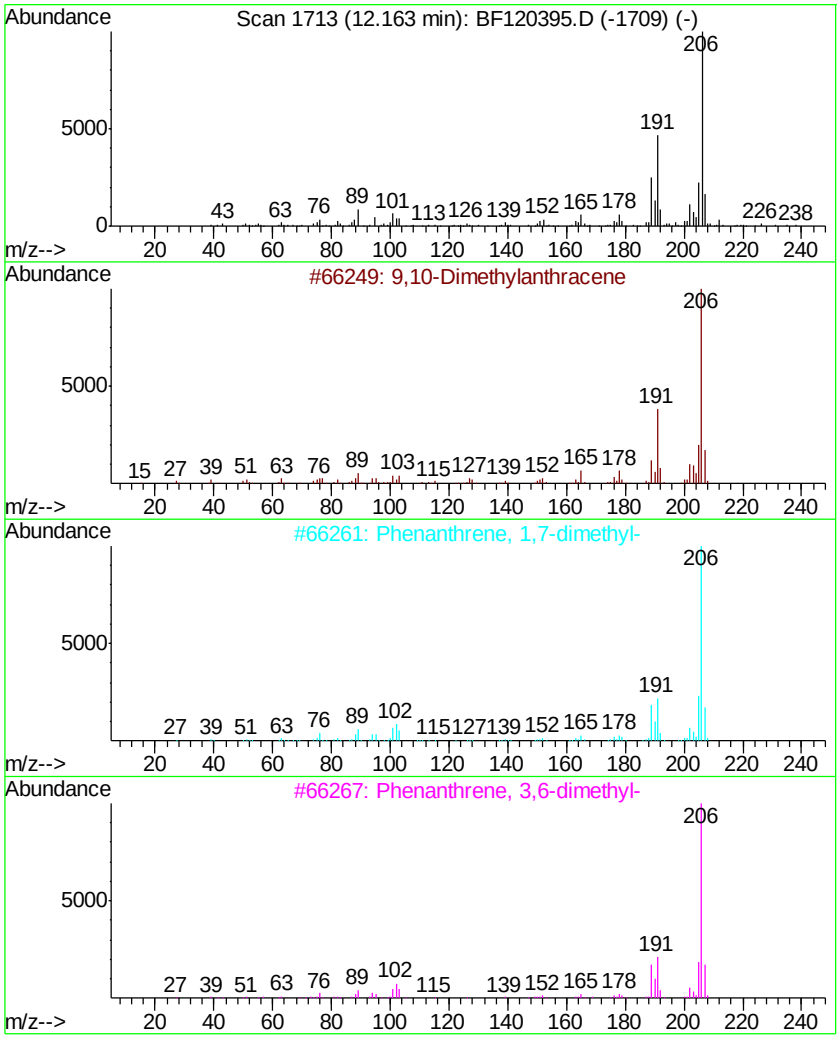
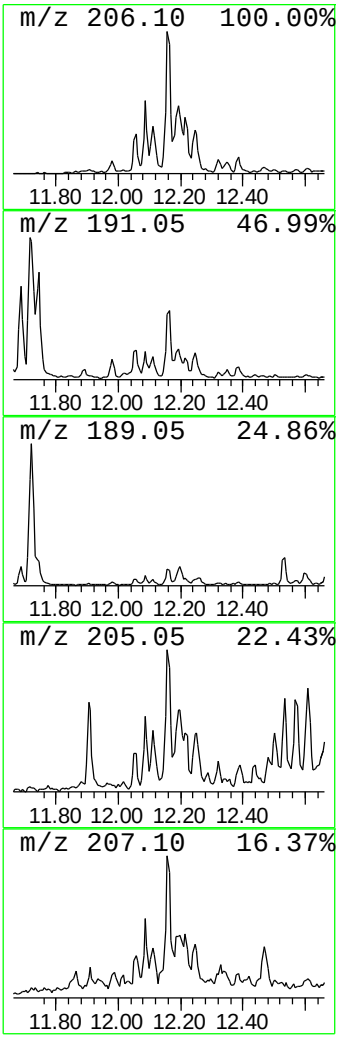
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.21 ng	295533	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Instrument : BNA_F
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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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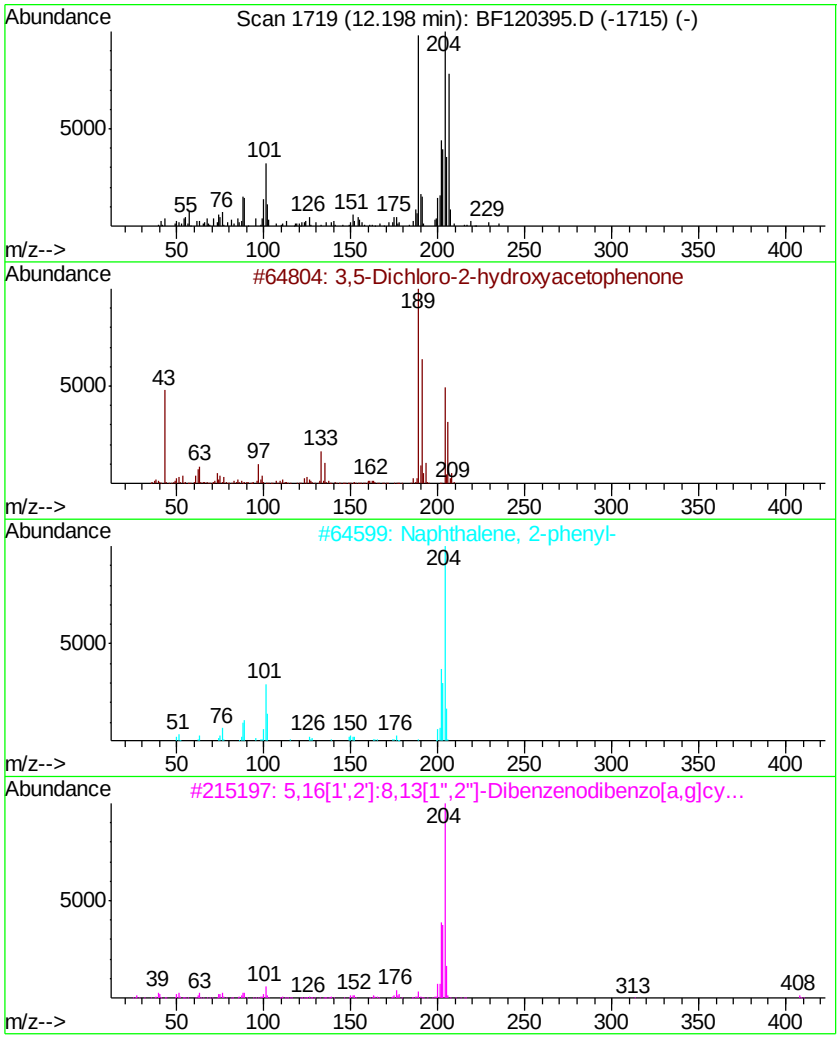
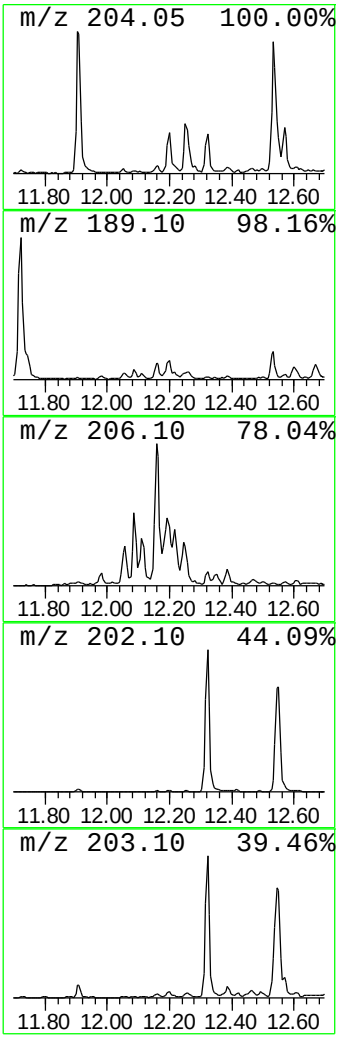
Peak Number 11 3,5-Dichloro-2-hydroxyaceto... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.11 ng	217875	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	50
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	38





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Sample : L2497-05 5X
Misc :
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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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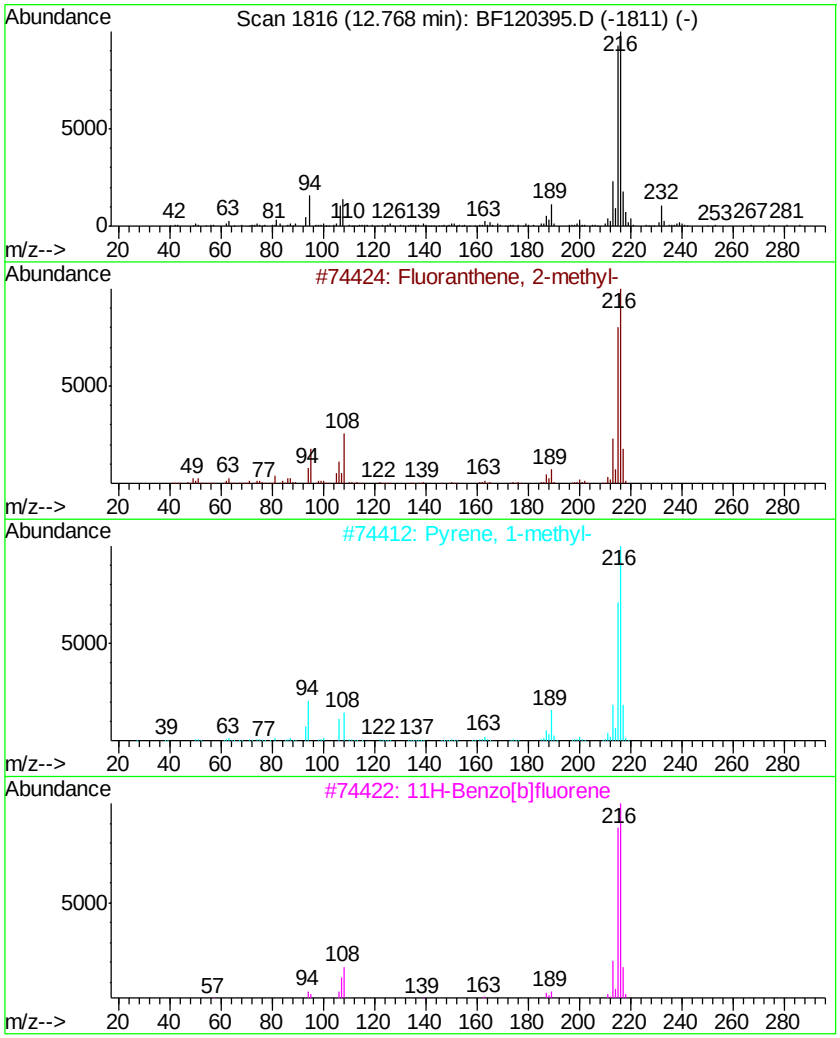
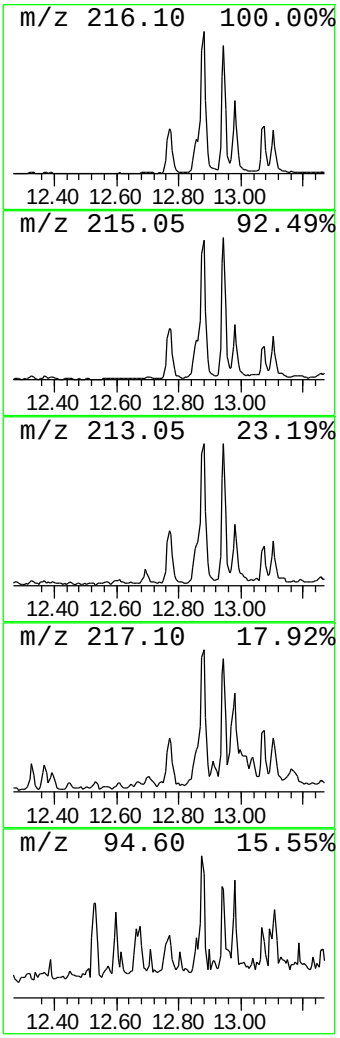
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.38 ng	332922	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

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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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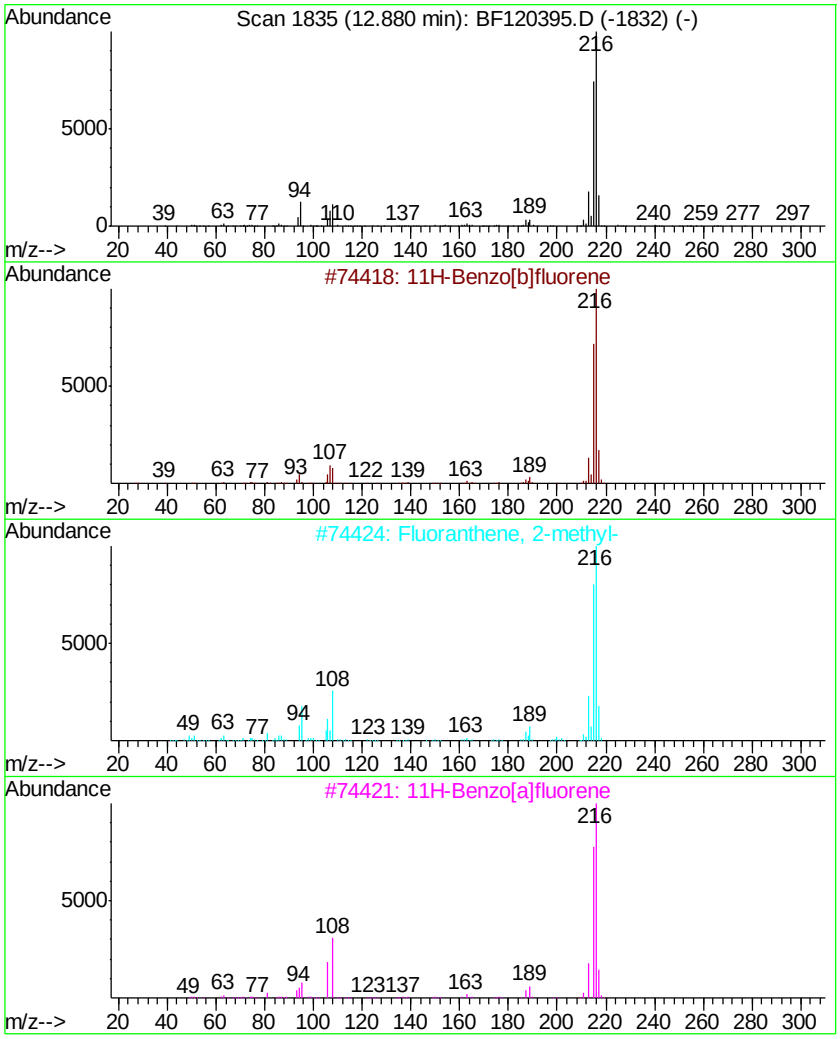
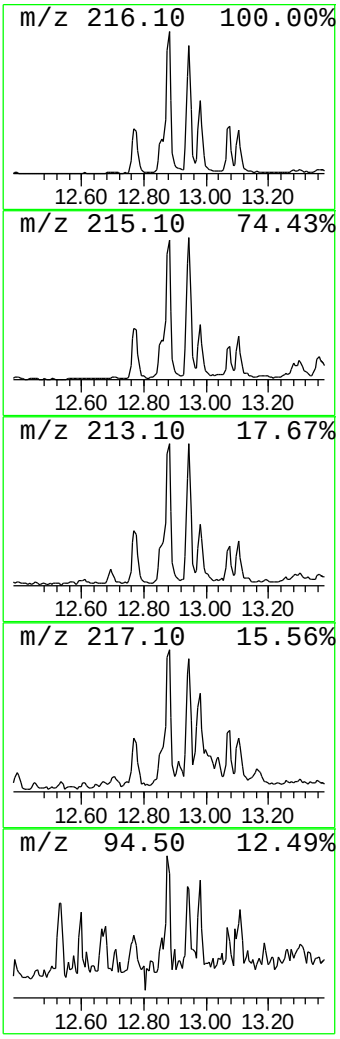
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	3.42 ng	477603	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	72





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Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-051920

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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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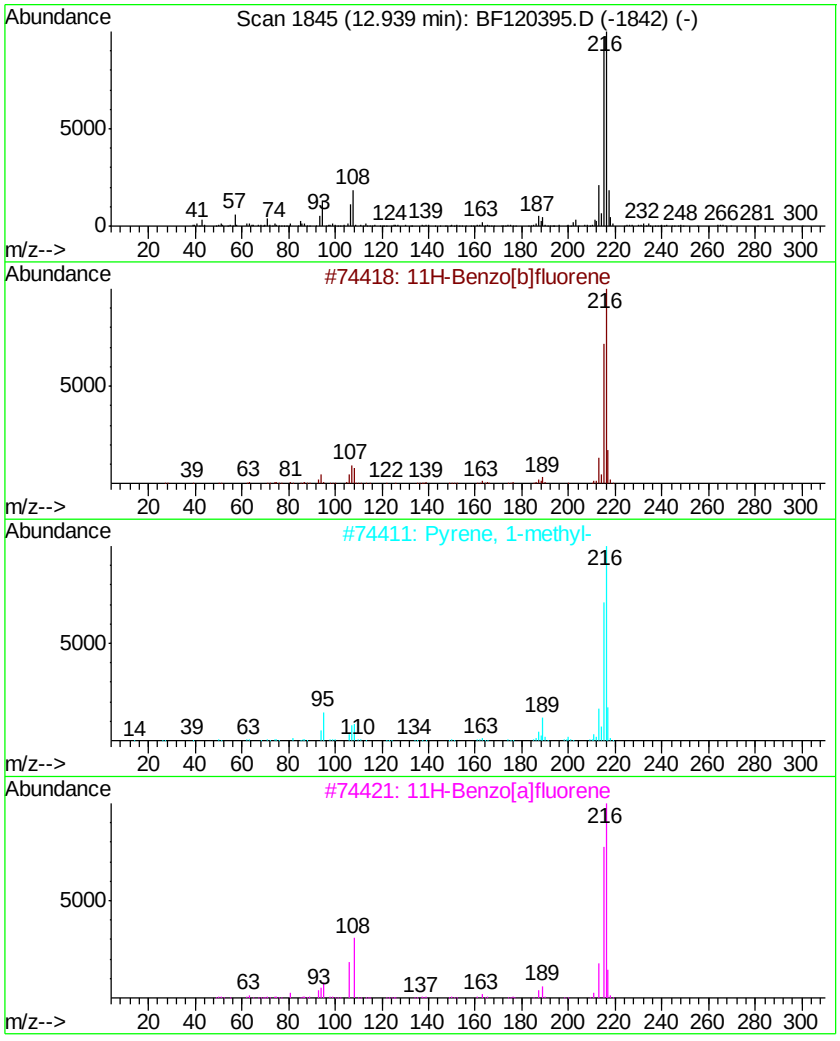
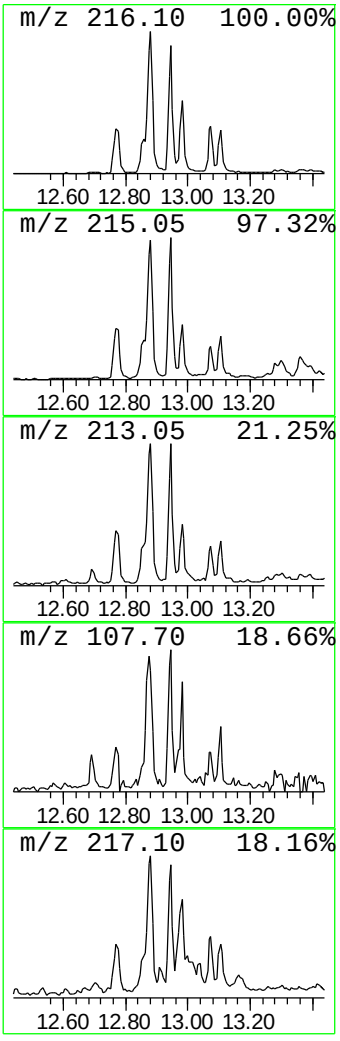
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.17 ng	442911	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	2-[3-Pyridyl]methylene-3-quinucl...	216	C13H16N2O	273748-56-4	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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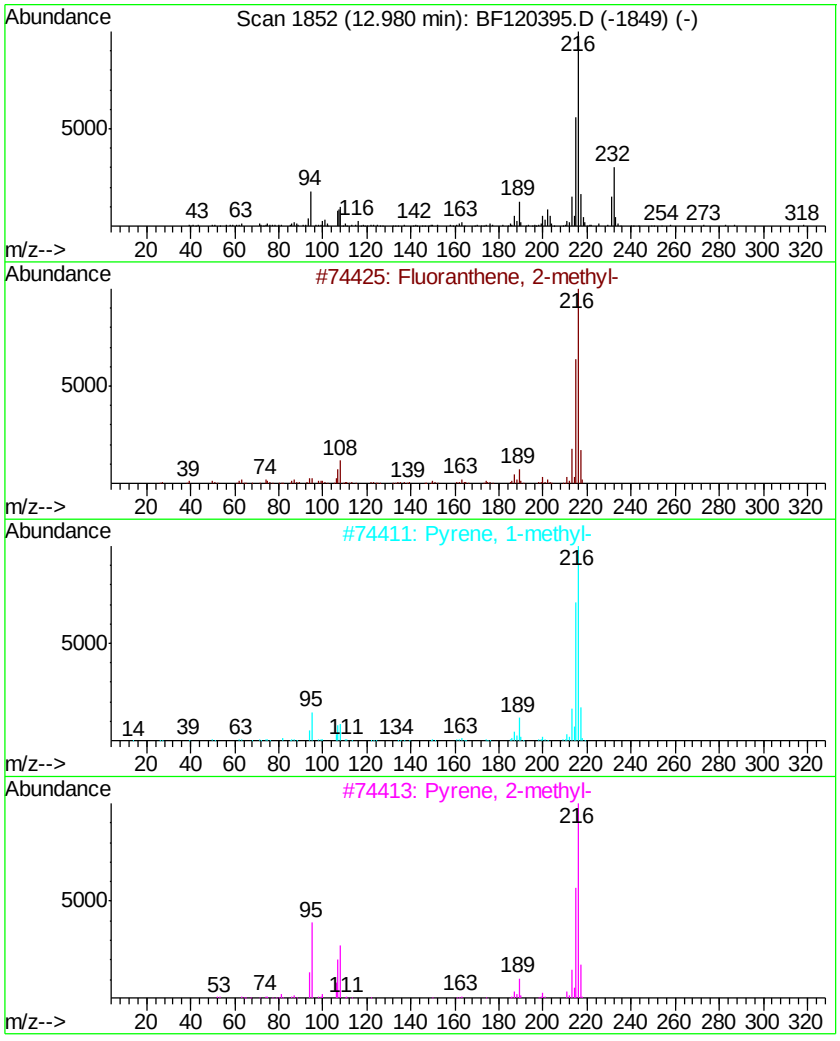
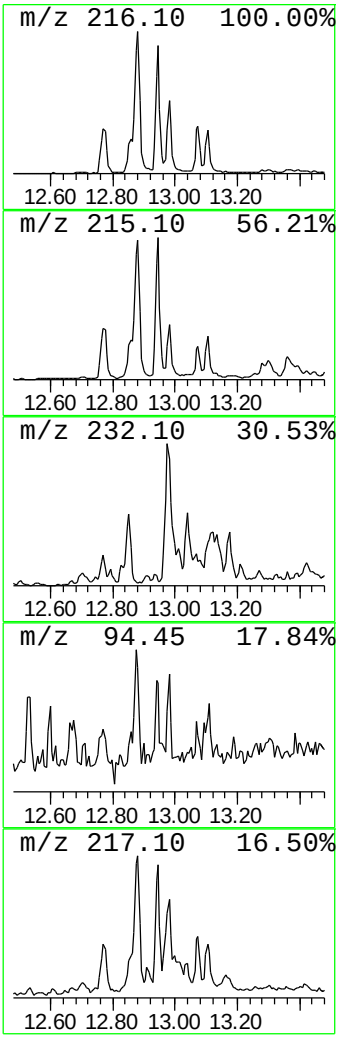
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.42 ng	337915	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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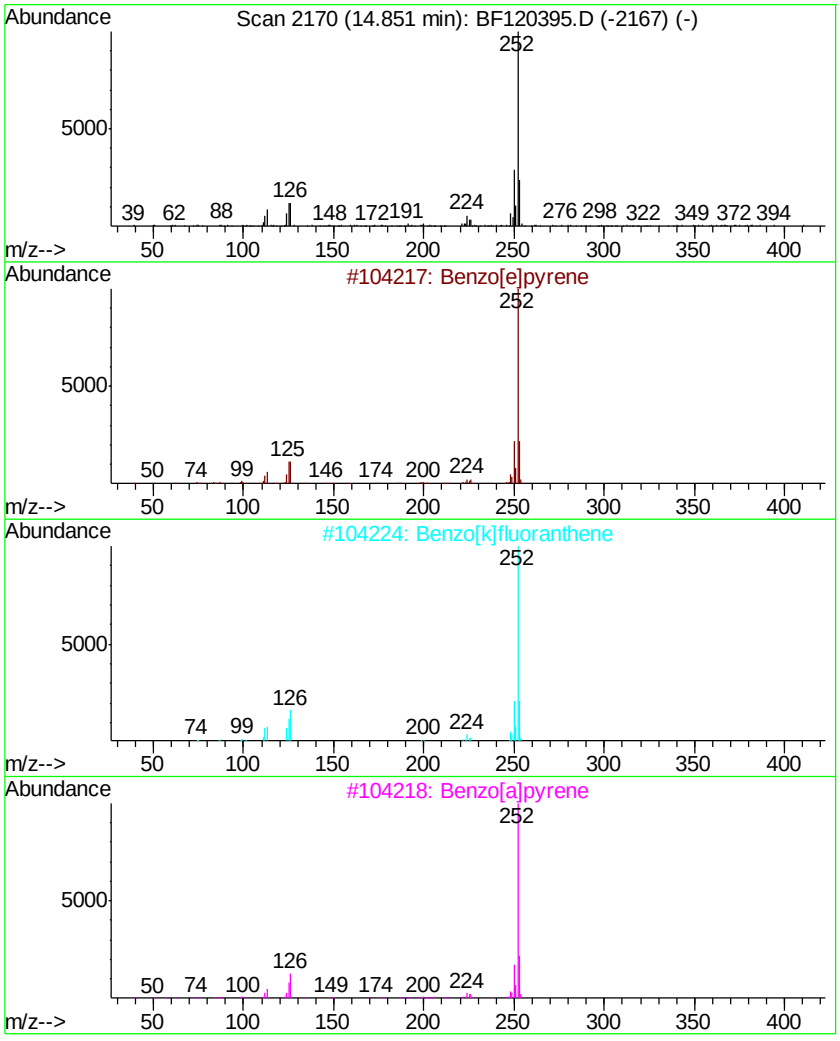
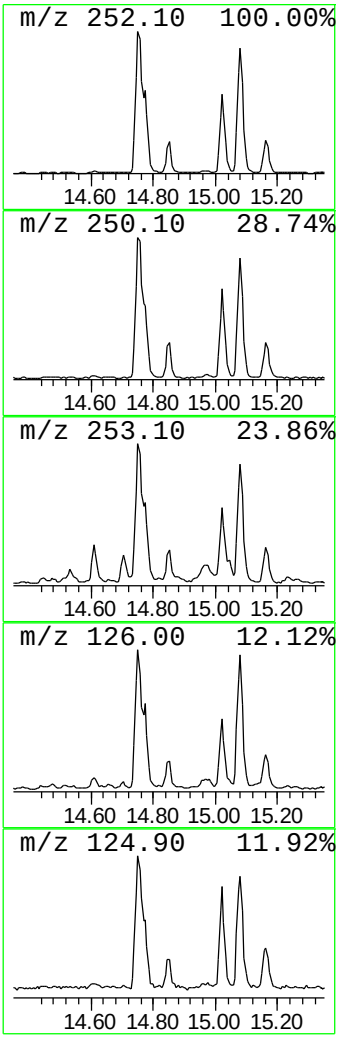
Peak Number 16 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	3.53 ng	179340	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





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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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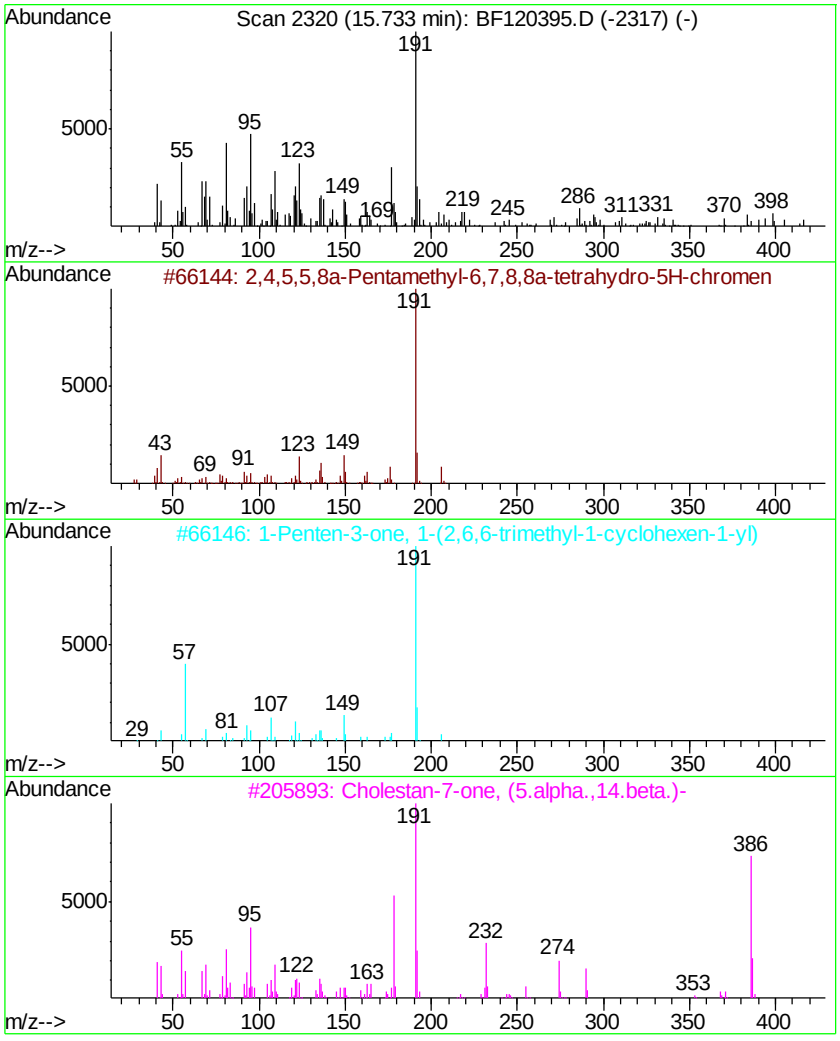
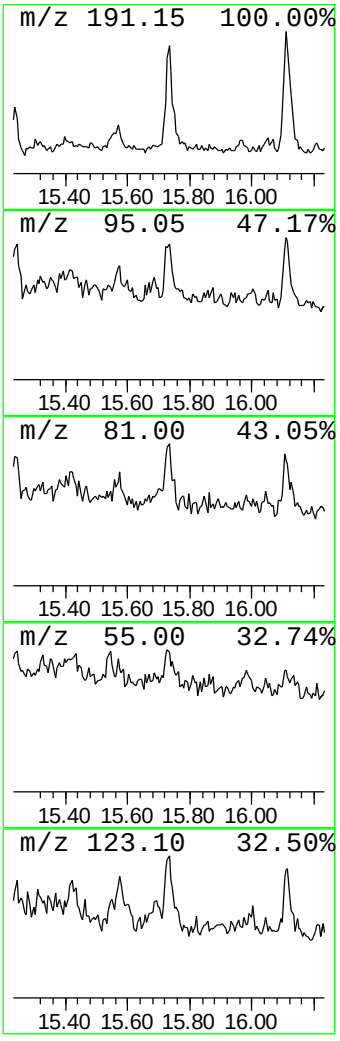
Peak Number 18 unknown15.73 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	2.35 ng	119477	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	46
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	46
3	Cholestan-7-one, (5.alpha.,14.be...	386	C27H46O	040072-53-5	43
4	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	41
5	4-Fluoro-2-trifluoromethylbenzoi...	318	C14H7ClF4O2	1000357-66-5	38





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ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

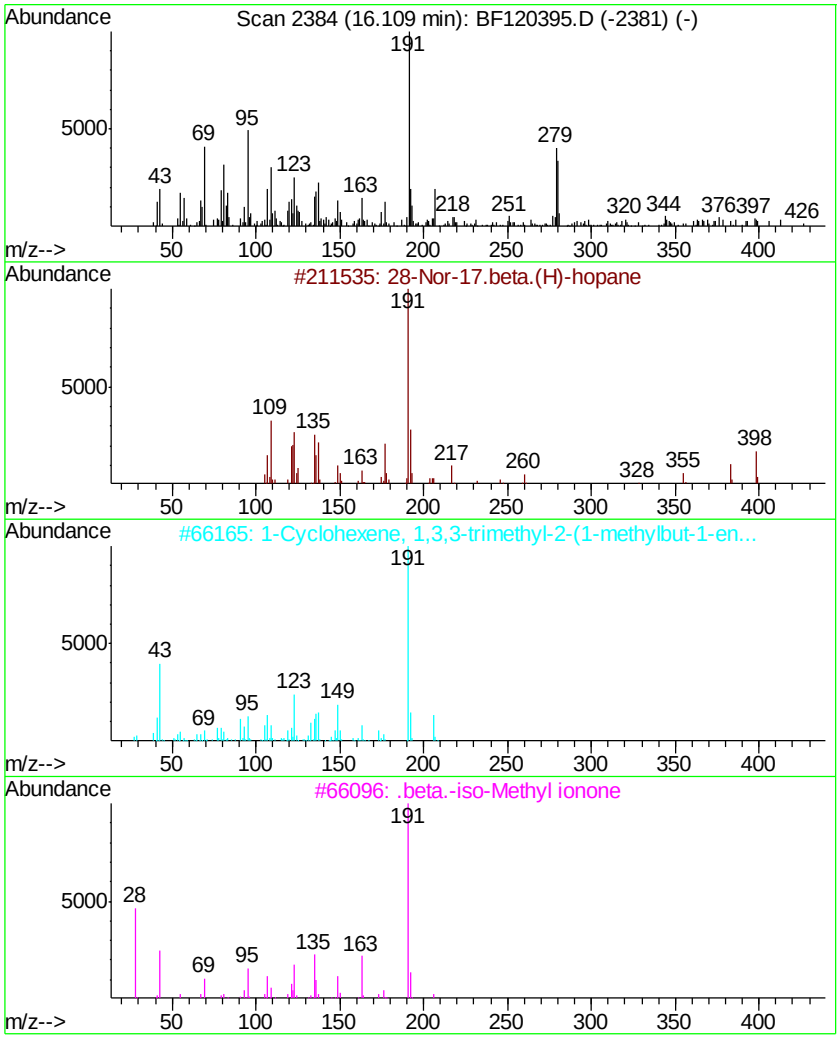
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

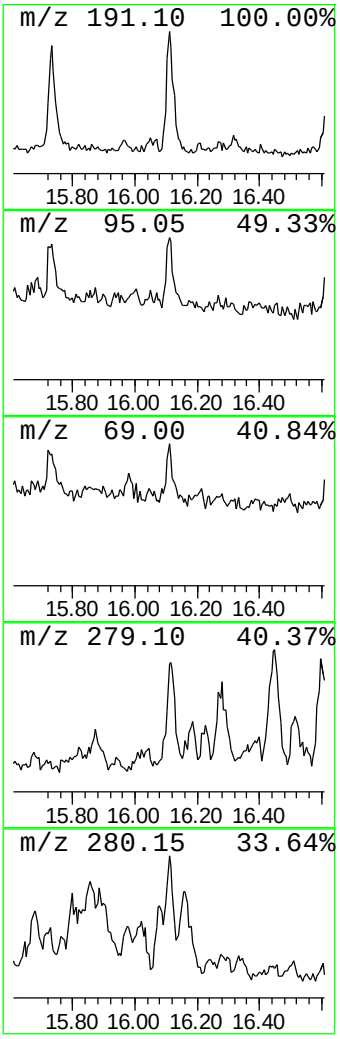
****

Peak Number 19 unknown16.11 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	3.74 ng	190108	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	35
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	35
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	30
4	6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	30
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052120\
Data File : BF120395.D
Acq On : 21 May 2020 21:44
Operator : MA/SJ
Sample : L2497-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-051920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.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-Fluorene, 2-me...	10.72	2.5	ng	175721	4	11.11	1403310	20.0
Dibenzothiophene	11.00	4.1	ng	289625	4	11.11	1403310	20.0
Phenanthrene, 2-m...	11.61	4.8	ng	337569	4	11.11	1403310	20.0
Phenanthrene, 1-m...	11.64	5.6	ng	392878	4	11.11	1403310	20.0
Anthracene, 2-met...	11.69	2.9	ng	200300	4	11.11	1403310	20.0
4H-Cyclopenta[def...	11.72	10.8	ng	760495	4	11.11	1403310	20.0
Anthracene, 9-met...	11.74	4.0	ng	277985	4	11.11	1403310	20.0
Naphthalene, 2-ph...	11.90	2.7	ng	189311	4	11.11	1403310	20.0
9,10-Dimethylanth...	12.16	4.2	ng	295533	4	11.11	1403310	20.0
3,5-Dichloro-2-hy...	12.20	3.1	ng	217875	4	11.11	1403310	20.0
Fluoranthene, 2-m...	12.77	2.4	ng	332922	5	13.74	2796830	20.0
11H-Benzo[b]fluorene	12.88	3.4	ng	477603	5	13.74	2796830	20.0
Pyrene, 1-methyl-	12.94	3.2	ng	442911	5	13.74	2796830	20.0
Pyrene, 2-methyl-	12.98	2.4	ng	337915	5	13.74	2796830	20.0
Benzo[e]pyrene	14.85	3.5	ng	179340	6	15.13	1017470	20.0
unknown15.73	15.73	2.4	ng	119477	6	15.13	1017470	20.0
unknown16.11	16.11	3.7	ng	190108	6	15.13	1017470	20.0