LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

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-BF040820.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	5.275	538	542	555	rVB	2458409	2360663	61.07%	3.181%
2	6.316	715	719	731	rBV	2385665	2400916	62.11%	3.235%
3	6.498	745	750	756	rBV2	153479	152076	3.93%	0.205%
4	6.663	775	778	786	rVB	1002890	812309	21.01%	1.095%
5	6.822	801	805	808	rBV	2428917	2039571	52.76%	2.749%
6	7.233	866	875	878	rBV	1803599	1664433	43.06%	2.243%
7	7.686	947	952	957	rBV2	208500	229402	5.93%	0.309%
8	7.951	992	997	999	rBV	1183799	1267822	32.80%	1.709%
9	7.975	999	1001	1004	rVV	2553391	1829520	47.33%	2.465%
10	8.663	1113	1118	1122	rVB	1893783	1560082	40.36%	2.102%
11	8.763	1130	1135	1138	rBV	1647686	1274760	32.98%	1.718%
12	9.027	1176	1180	1183	rBV	3325461	2692256	69.65%	3.628%
13	9.127	1191	1197	1199	rBV2	269283	294307	7.61%	0.397%
14	9.222	1210	1213	1219	rVB	755004	701222	18.14%	0.945%
15	9.292	1219	1225	1229	rBV	613073	813194	21.04%	1.096%
16	9.363	1233	1237	1240	rVV	1132724	1160323	30.02%	1.564%
17	9.392	1240	1242	1245	rVV	679322	543926	14.07%	0.733%
18	9.427	1245	1248	1251	rVV	544717	460898	11.92%	0.621%
19	9.480	1251	1257	1262	rVV	603967	660505	17.09%	0.890%
20	9.563	1269	1271	1275	rVB	462686	351281	9.09%	0.473%
21	9.704	1288	1295	1297	rVV2	1188103	1249029	32.31%	1.683%
22	9.739	1297	1301	1304	rVV	1931352	1725744	44.64%	2.326%
23	9.810	1309	1313	1317	rBV	424377	563486	14.58%	0.759%
24	9.857	1317	1321	1324	rBV2	573344	631402	16.33%	0.851%
25	9.904	1324	1329	1333	rVB	679839	695078	17.98%	0.937%
26	9.945	1333	1336	1340	rBV	384387	359713	9.31%	0.485%
27	10.021	1345	1349	1351	rBV	339861	303930	7.86%	0.410%
28	10.051	1351	1354	1356	rVB	288451	213030	5.51%	0.287%
29	10.110	1360	1364	1366	rBV	300654	346794	8.97%	0.467%
30	10.133	1366	1368	1374	rVB4	210108	261695	6.77%	0.353%
31	10.216	1374	1382	1385	rBV3	484961	613069	15.86%	0.826%
32	10.251	1385	1388	1391	rBV	1329054	1091277	28.23%	1.471%
33	10.298	1393	1396	1398	rBV3	411783	470837	12.18%	0.635%
34	10.316	1398	1399	1401	rVV	624792	442741	11.45%	0.597%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.333	1401	1402	1405	rVV2	610961	481407	12.45%	0.649%
36	10.363	1405	1407	1409	rVV	394383	323467	8.37%	0.436%
37	10.386	1409	1411	1412	rVV	283752	248443	6.43%	0.335%
38	10.404	1412	1414	1420	rVB3	354676	504618	13.05%	0.680%
39	10.492	1425	1429	1432	rVB	1643183	1406310	36.38%	1.895%
40	10.610	1444	1449	1454	rVB	1664908	1690558	43.73%	2.278%
41	10.739	1468	1471	1475	rVB	571736	514984	13.32%	0.694%
42	10.798	1475	1481	1483	rBV	469595	636587	16.47%	0.858%
43	10.827	1483	1486	1491	rVV3	446230	666471	17.24%	0.898%
44	10.880	1491	1495	1497	rVV2	358513	440599	11.40%	0.594%
45	10.910	1497	1500	1502	rVV2	347671	387038	10.01%	0.522%
46	10.945	1503	1506	1510	rVV3	432239	470771	12.18%	0.634%
47	10.992	1510	1514	1517	rVV4	214933	246693	6.38%	0.332%
48	11.063	1517	1526	1528	rVV4	684644	1077910	27.89%	1.453%
49	11.080	1528	1529	1541	rVB	470135	724430	18.74%	0.976%
50	11.186	1541	1547	1549	rBV	895904	1000546	25.88%	1.348%
51	11.216	1549	1552	1555	rVV	4043522	3865507	100.00%	5.209%
52	11.263	1557	1560	1563	rVV	1324425	1185875	30.68%	1.598%
53	11.298	1563	1566	1569	rVV	459755	478825	12.39%	0.645%
54	11.345	1572	1574	1579	rVV2	351149	387342	10.02%	0.522%
55	11.421	1584	1587	1589	rVV2	213567	203059	5.25%	0.274%
56	11.486	1594	1598	1600	rVV4	192698	218170	5.64%	0.294%
57	11.515	1600	1603	1605	rVV2	334163	314747	8.14%	0.424%
58	11.604	1614	1618	1621	rBV	248491	268736	6.95%	0.362%
59	11.692	1629	1633	1635	rBV	1292628	1136903	29.41%	1.532%
60	11.721	1635	1638	1642	rVV	1345683	1239876	32.08%	1.671%
61	11.763	1642	1645	1648	rVV	537260	532328	13.77%	0.717%
62	11.804	1648	1652	1654	rVV	1504130	1736992	44.94%	2.341%
63	11.821	1654	1655	1659	rVB	774132	562134	14.54%	0.758%
64	11.921	1670	1672	1676	rVB2	213685	172399	4.46%	0.232%
65	11.986	1676	1683	1685	rBV	432834	477101	12.34%	0.643%
66	12.010	1685	1687	1692	rVB3	188516	212061	5.49%	0.286%
67	12.057	1692	1695	1699	rBV2	179106	201064	5.20%	0.271%
68	12.133	1702	1708	1710	rBV3	307088	386356	9.99%	0.521%
69	12.163	1710	1713	1715	rBV2	264358	240943	6.23%	0.325%
70	12.186	1715	1717	1721	rVB	201918	178869	4.63%	0.241%
71	12.239	1722	1726	1729	rBV	676602	723621	18.72%	0.975%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.274	1729	1732	1738	rVB3	413225	631027	16.32%	0.850%
73	12.327	1738	1741	1744	rBV3	214738	332333	8.60%	0.448%
74	12.357	1744	1746	1750	rVB3	183464	170981	4.42%	0.230%
75	12.404	1750	1754	1757	rBV	2177269	1976711	51.14%	2.664%
76	12.627	1786	1792	1795	rVV	2140109	2490834	64.44%	3.357%
77	12.651	1795	1796	1799	rVV2	309577	205906	5.33%	0.277%
78	12.686	1799	1802	1805	rVB2	164067	213948	5.53%	0.288%
79	12.774	1813	1817	1823	rVB	2292363	2109635	54.58%	2.843%
80	12.845	1826	1829	1836	rVB4	242512	366465	9.48%	0.494%
81	12.957	1841	1848	1851	rVB	513248	732353	18.95%	0.987%
82	13.021	1855	1859	1862	rBV2	500879	455678	11.79%	0.614%
83	13.057	1862	1865	1868	rBV2	374747	371620	9.61%	0.501%
84	13.151	1878	1881	1883	rBV	248259	193558	5.01%	0.261%
85	13.180	1883	1886	1889	rVB2	308412	269787	6.98%	0.364%
86	13.257	1897	1899	1904	rVB4	178760	205193	5.31%	0.277%
87	13.315	1906	1909	1912	rBV	142374	164398	4.25%	0.222%
88	13.357	1913	1916	1918	rVV2	179582	181066	4.68%	0.244%
89	13.439	1927	1930	1933	rBV	116823	162465	4.20%	0.219%
90	13.568	1949	1952	1955	rBV3	144844	193008	4.99%	0.260%
91	13.680	1968	1971	1978	rVB3	243787	317341	8.21%	0.428%
92	13.821	1991	1995	1998	rBV2	1041802	1489575	38.54%	2.007%
93	13.851	1998	2000	2003	rVB	723775	538039	13.92%	0.725%
94	13.998	2023	2025	2030	rVB2	160311	182980	4.73%	0.247%
95	14.209	2059	2061	2064	rVB	240192	194220	5.02%	0.262%
96	14.304	2075	2077	2081	rBV3	205582	250188	6.47%	0.337%
97	14.833	2164	2167	2174	rVB	442310	754137	19.51%	1.016%
98	15.115	2212	2215	2219	rVB	271877	328034	8.49%	0.442%
99	15.174	2222	2225	2230	rVB	391684	447412	11.57%	0.603%
100	15.233	2231	2235	2237	rBV	413150	495753	12.83%	0.668%

Sum of corrected areas: 74205676

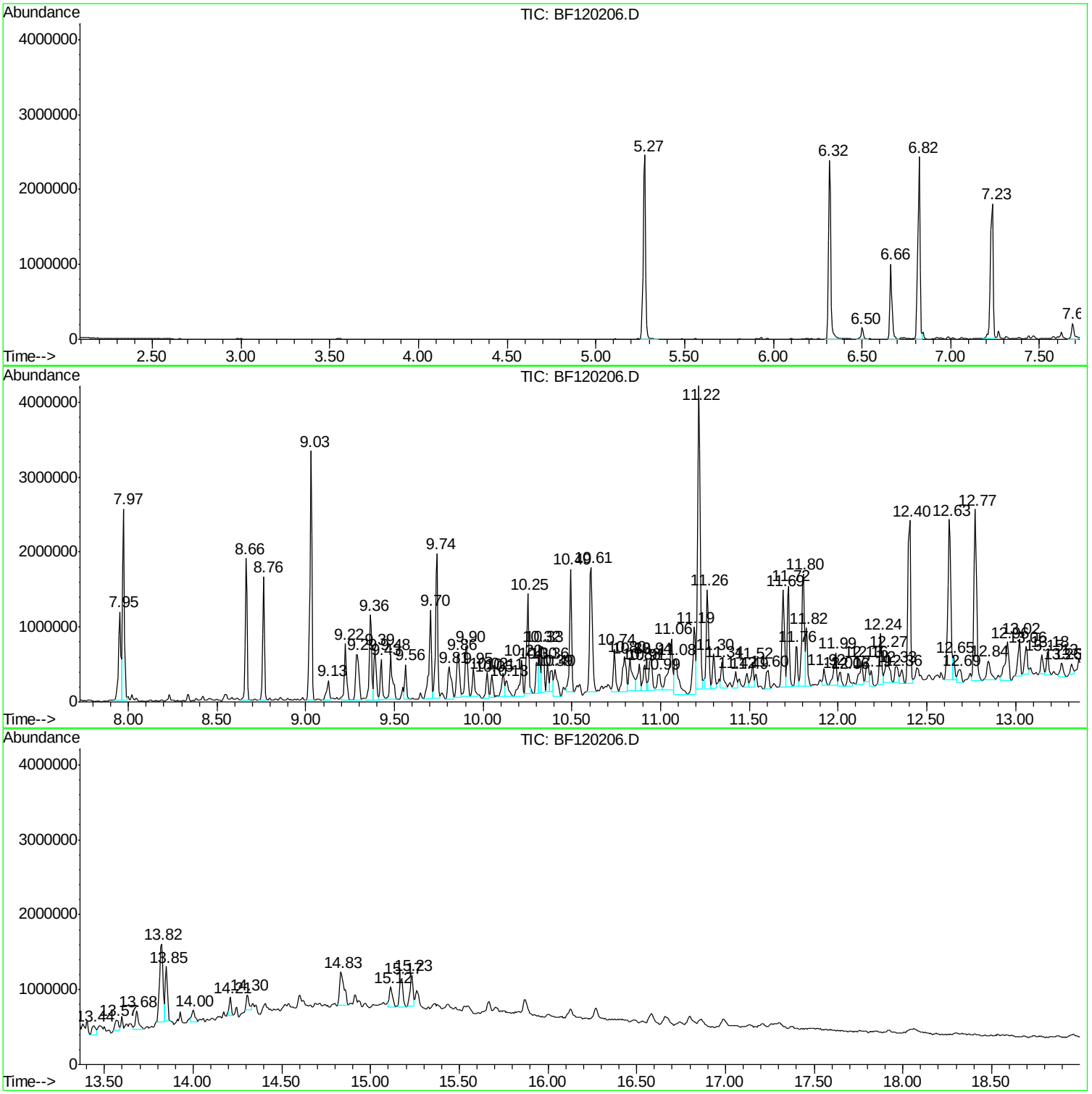
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

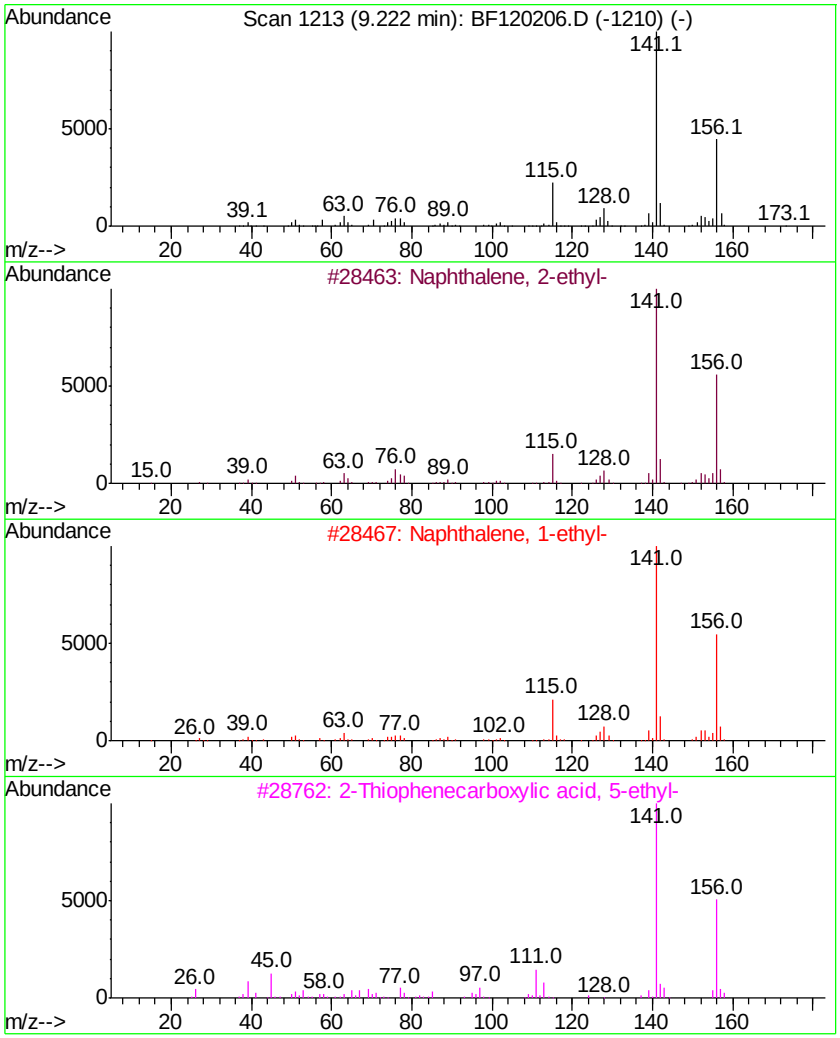
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

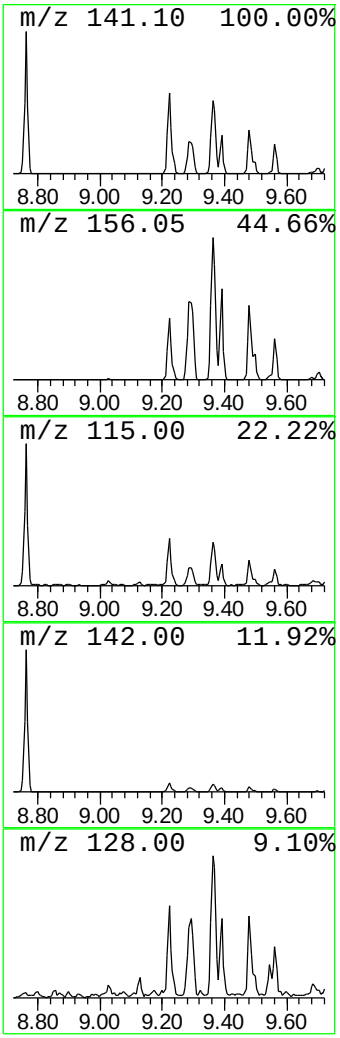
****

Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	11.23 ng	701222	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47
5	Benzaldehyde, 3-methoxy-4-(1-nap...	292	C19H16O3	1000338-37-2	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

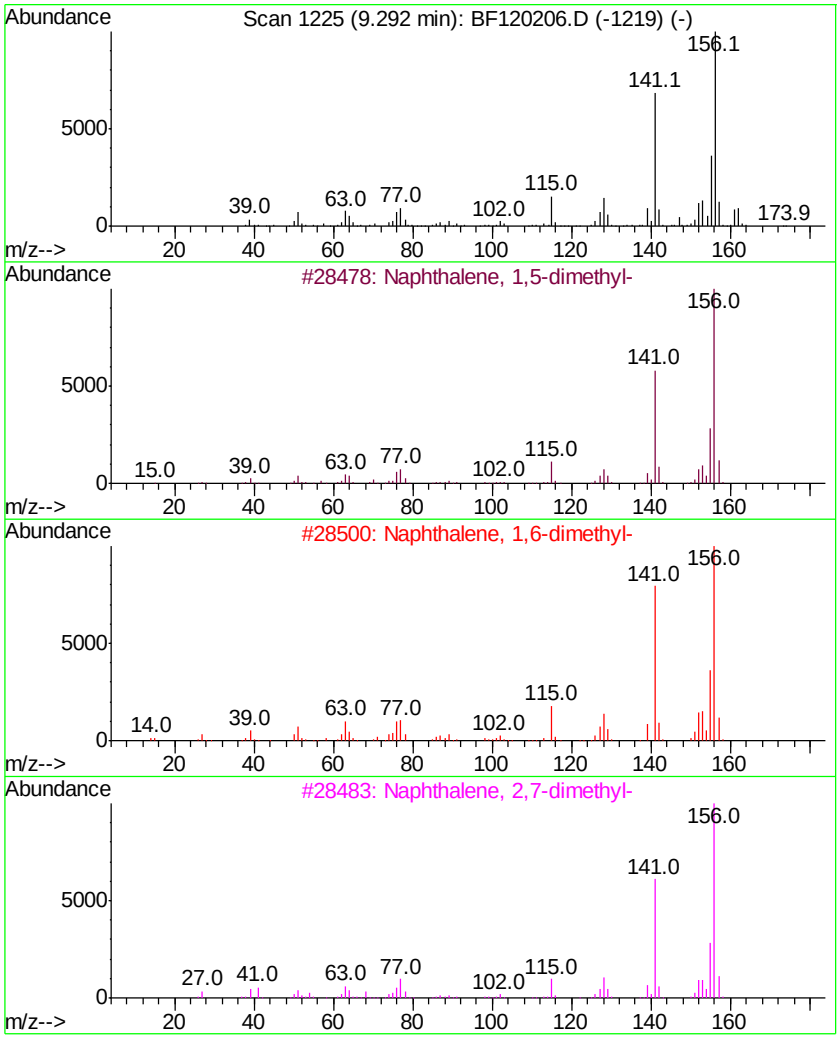
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

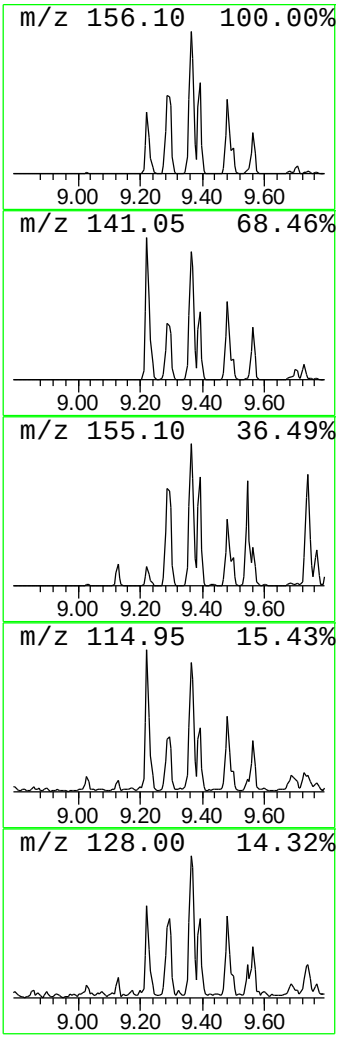
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	13.02 ng	813194	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

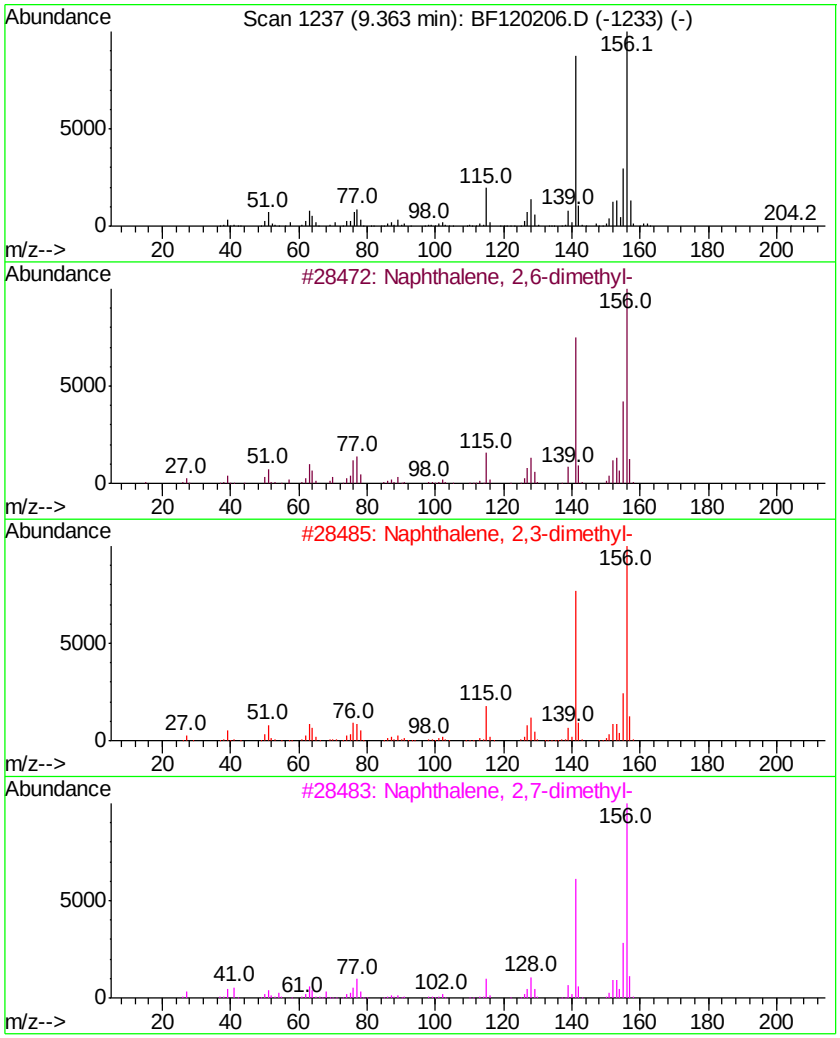
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

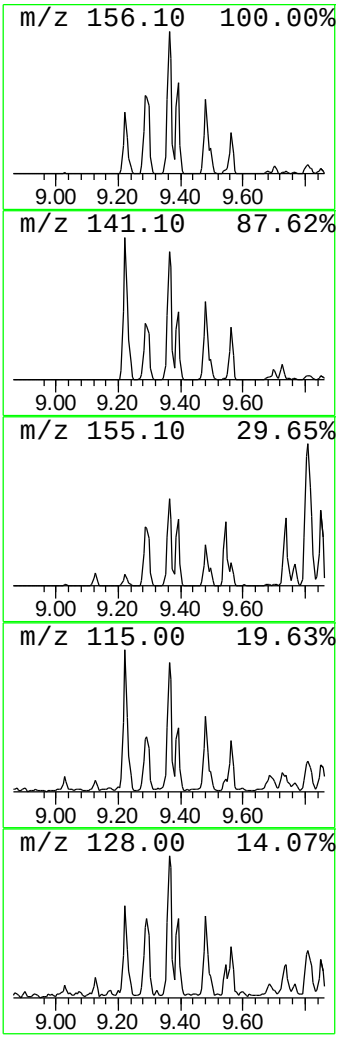
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	18.58 ng	1160320	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

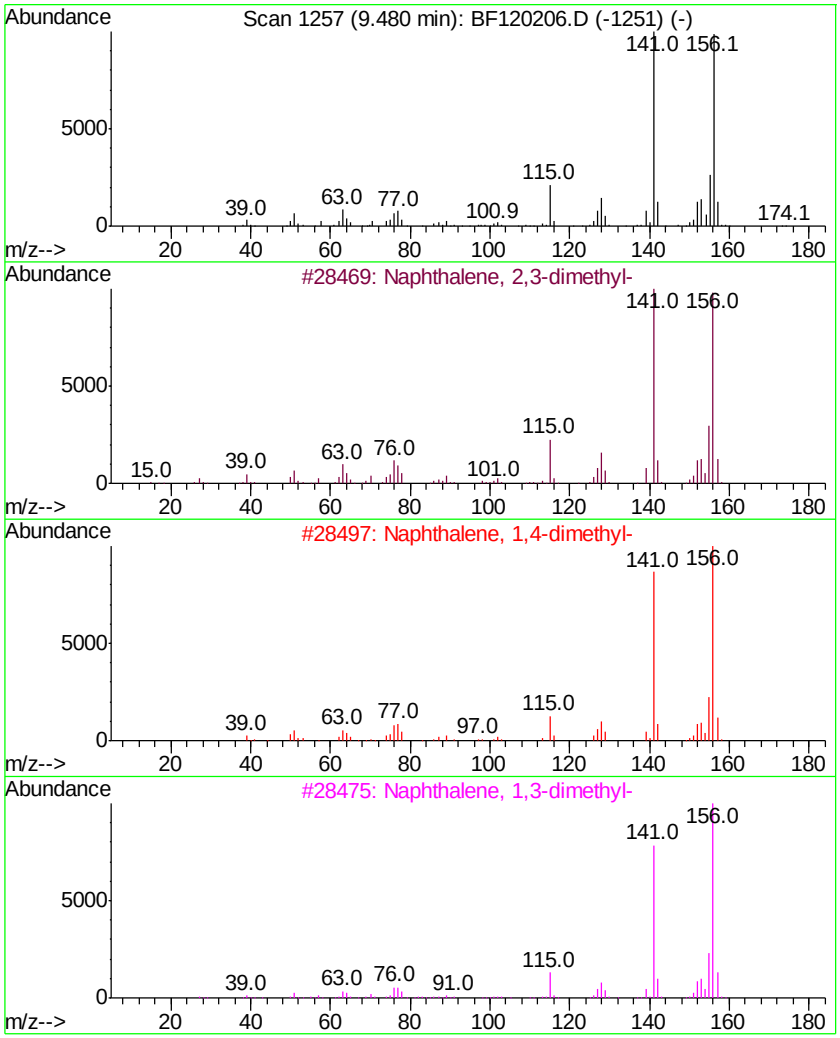
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

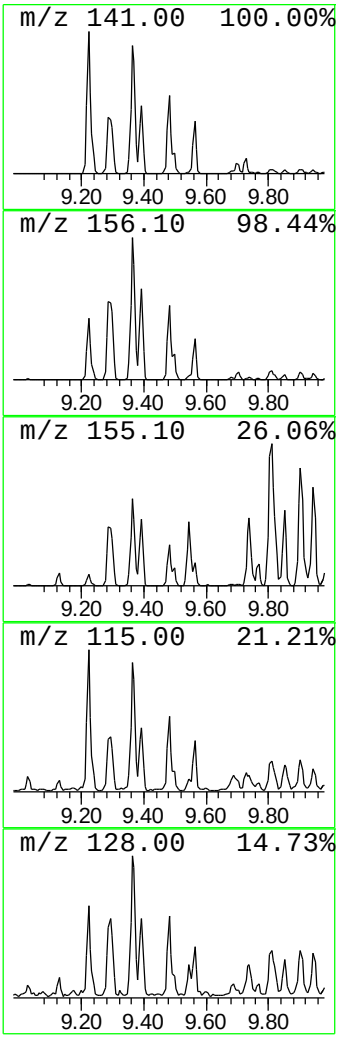
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	10.58 ng	660505	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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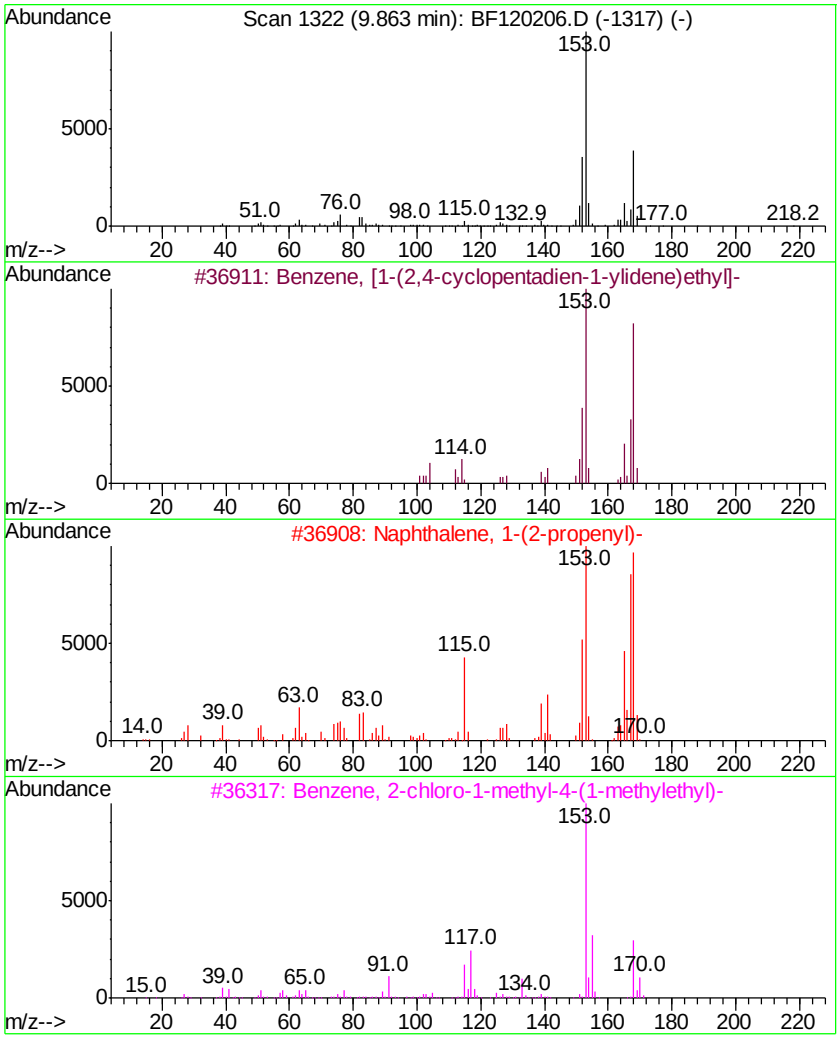
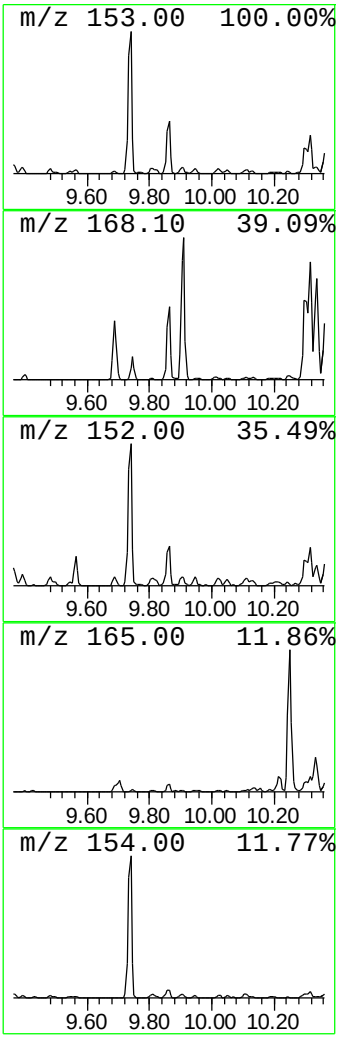
Peak Number 6 Benzene, [1-(2,4-cyclopenta... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	10.11 ng	631402	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	68
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	59
4	4-Hydroxy-1,2,5-trimethyl-4-pipe...	168	C9H16N2O	051871-79-5	50
5	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50





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Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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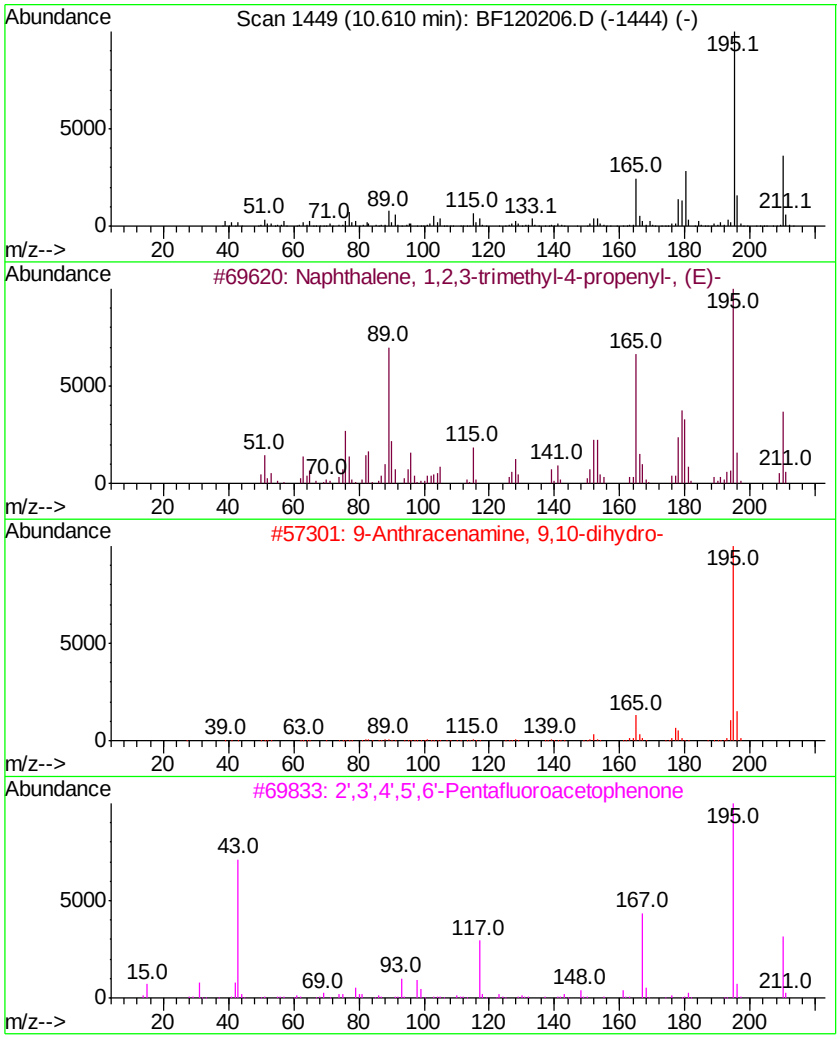
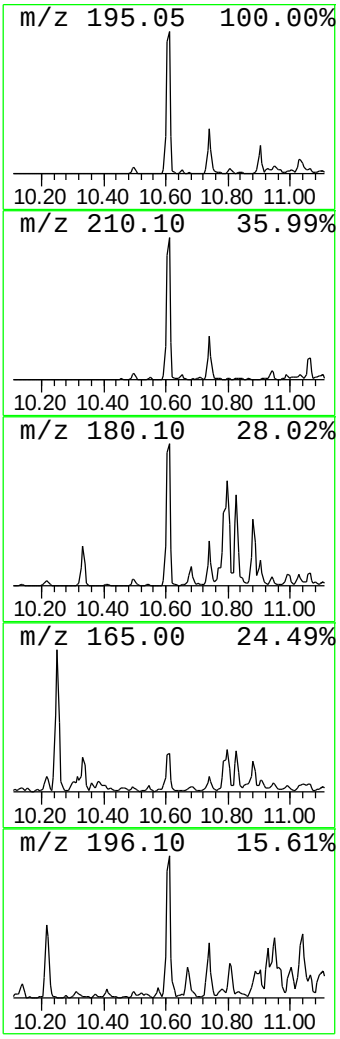
Peak Number 7 Naphthalene, 1,2,3-trimethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	33.79 ng	1690560	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	53
2	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	50
3	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	47
4	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	47
5	Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	47





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Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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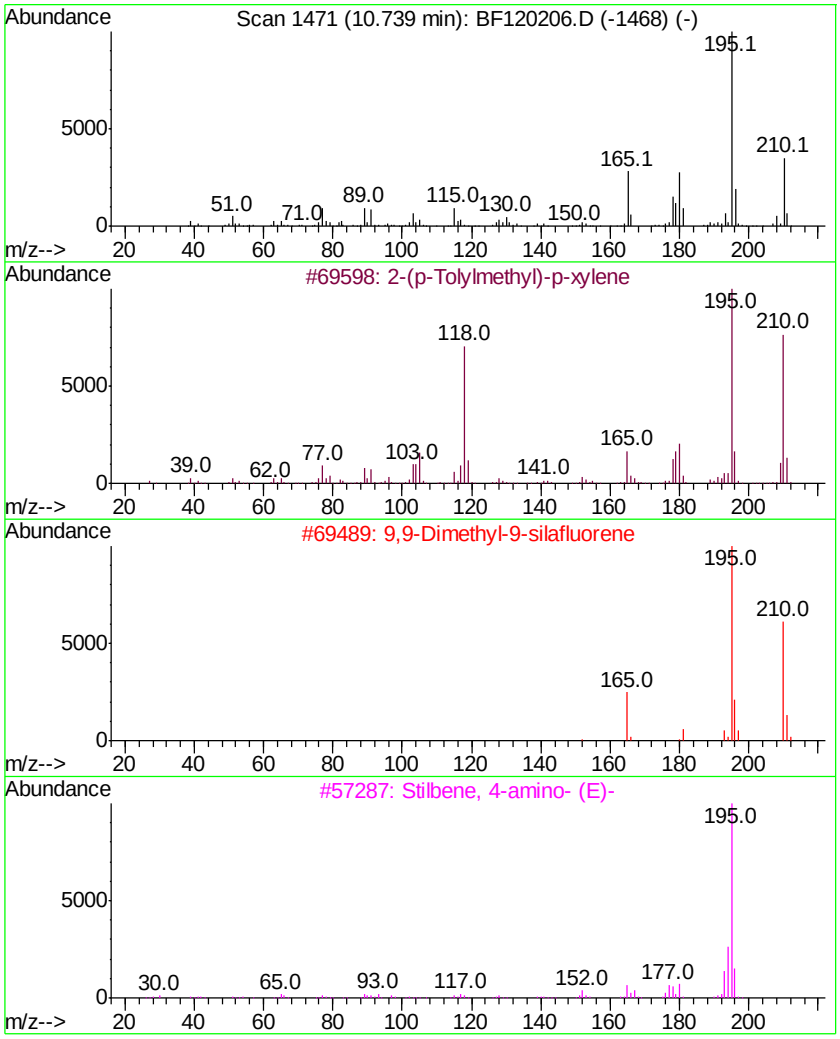
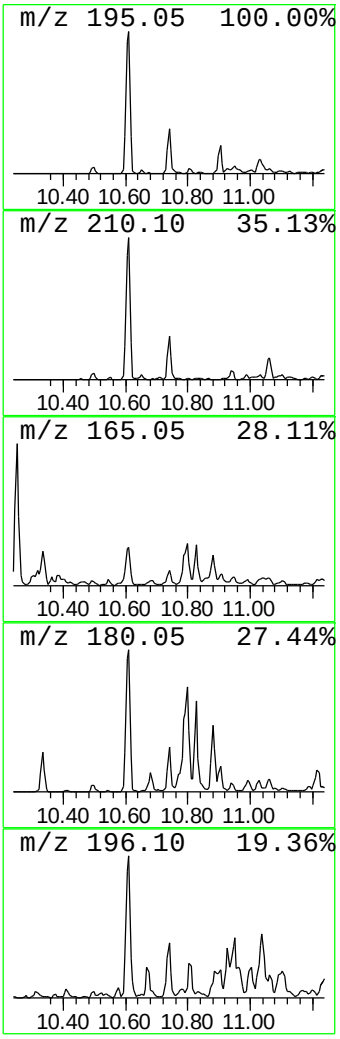
Peak Number 8 2-(p-Tolylmethyl)-p-xylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	10.29 ng	514984	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	72
2	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	59
3	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	53
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	52
5	9H-Fluoren-3-ol, 9,9-dimethyl-	210	C15H14O	1000141-55-1	47





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Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

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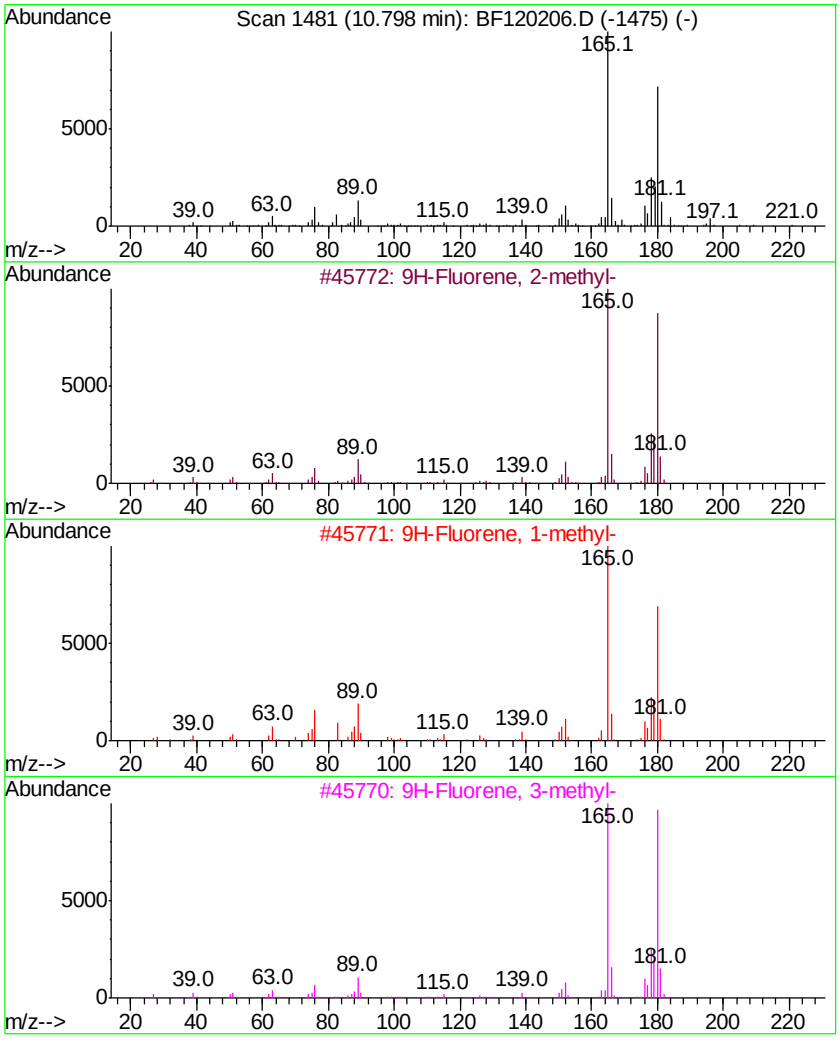
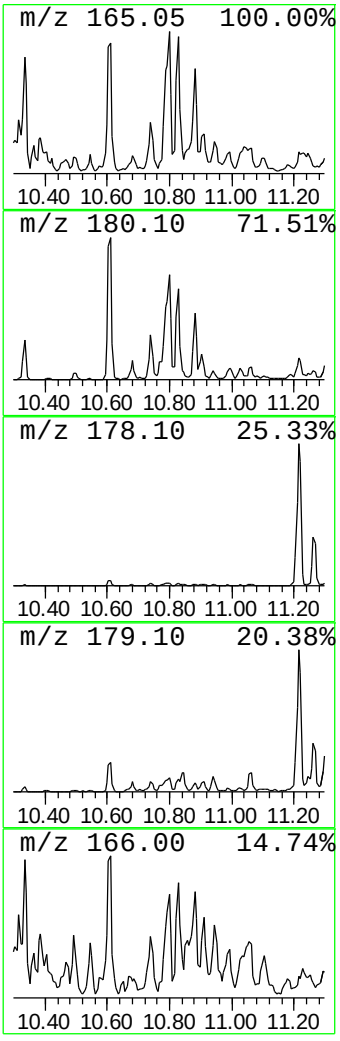
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	12.72 ng	636587	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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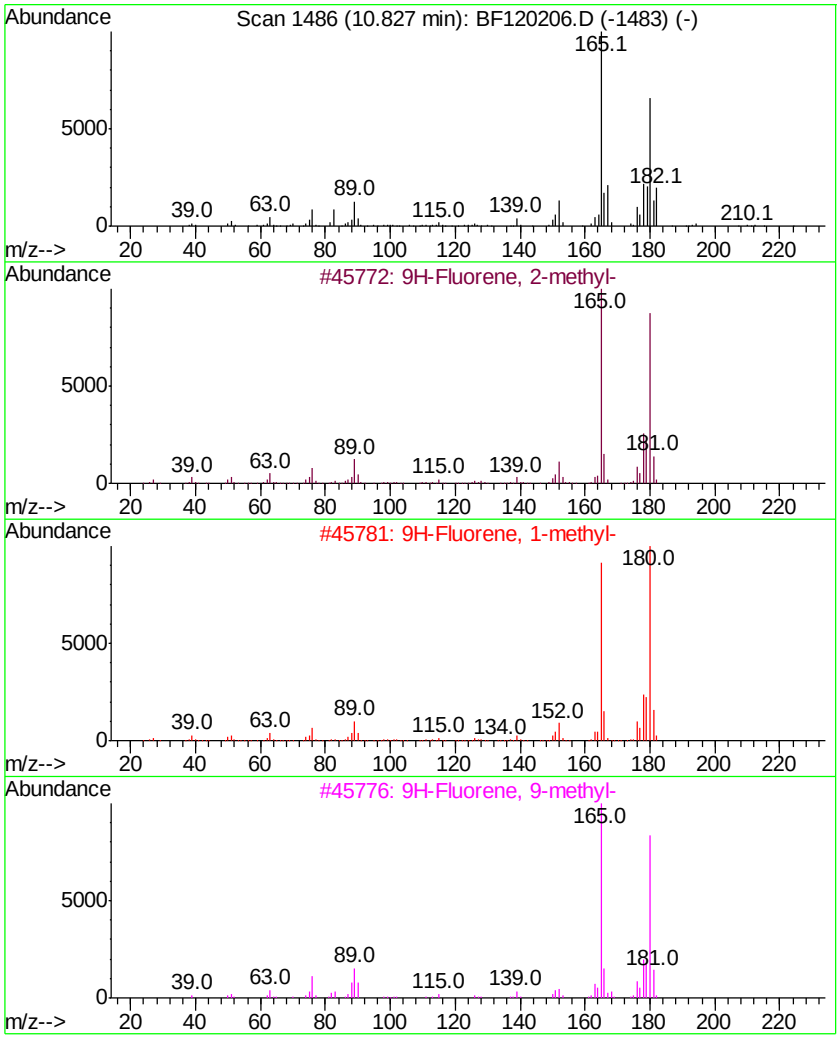
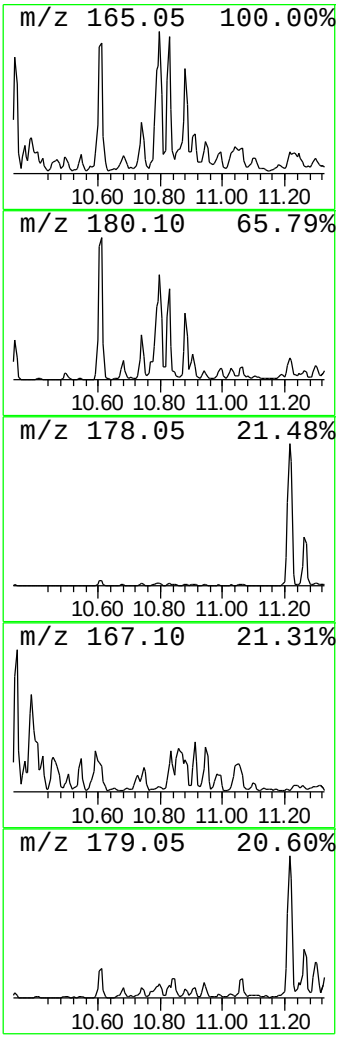
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	13.32 ng	666471	Phenanthrene-d10	11.19

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	87
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	83
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	58





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Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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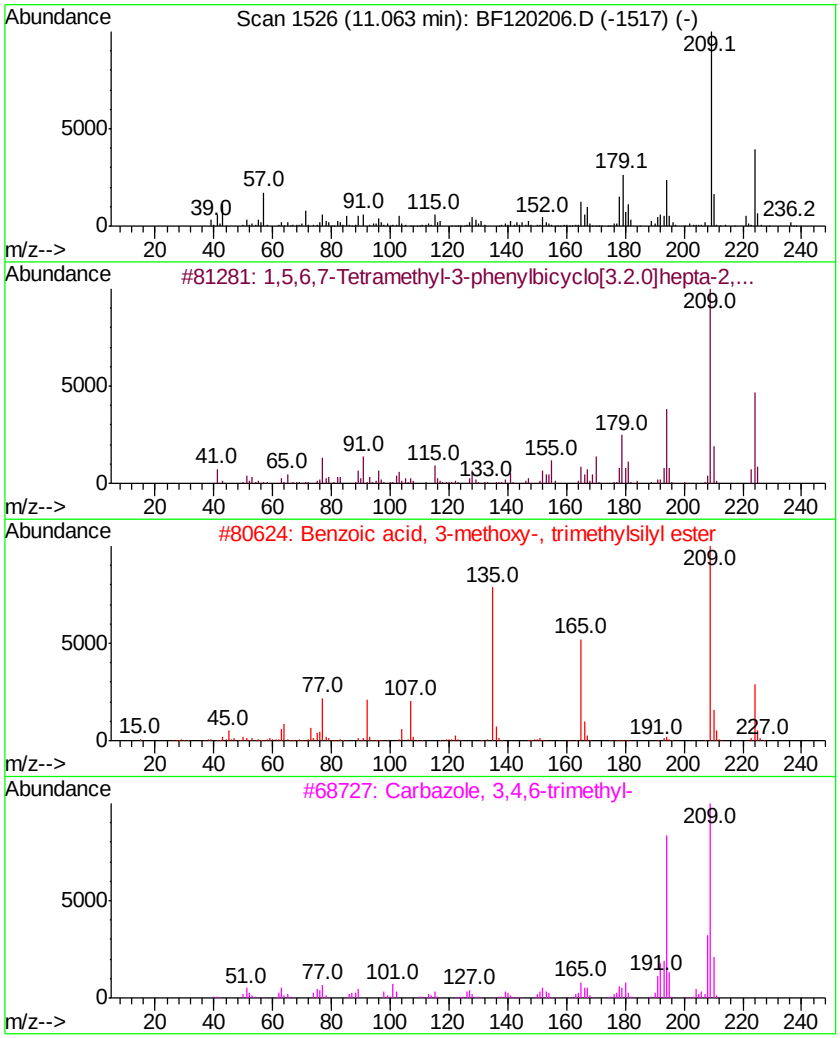
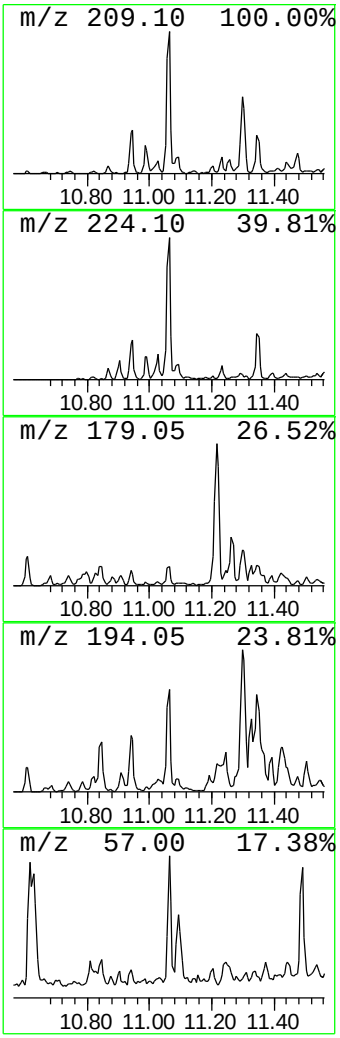
Peak Number 11 1,5,6,7-Tetramethyl-3-pheny... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	21.55 ng	1077910	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethyl-3-phenylbicy...	224	C17H20	126584-00-7	58
2	Benzoic acid, 3-methoxy-, trimet...	224	C11H16O3Si	959111-51-4	50
3	Carbazole, 3,4,6-trimethyl-	209	C15H15N	078787-90-3	49
4	N1-(4,4-Dimethyl-1,3-thiazolan-2...	224	C11H13FN2S	281211-60-7	47
5	1,4,7-Trimethyl-2-azafluorene	209	C15H15N	062736-78-1	47





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Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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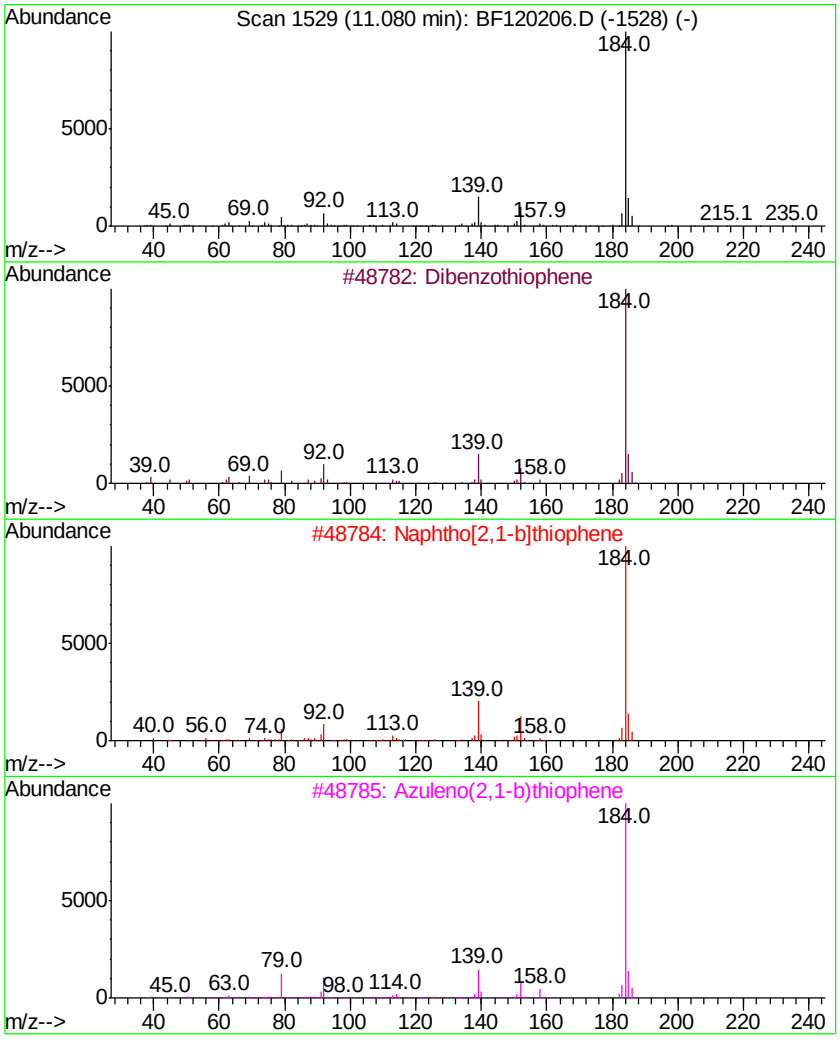
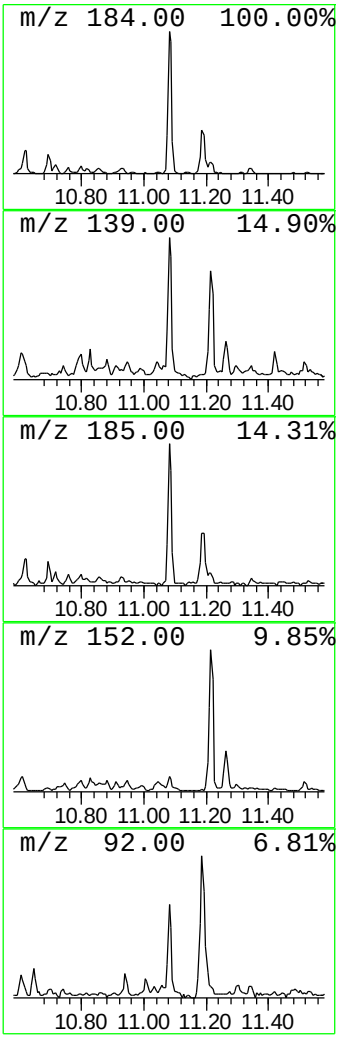
Peak Number 12 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	14.48 ng	724430	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	78





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Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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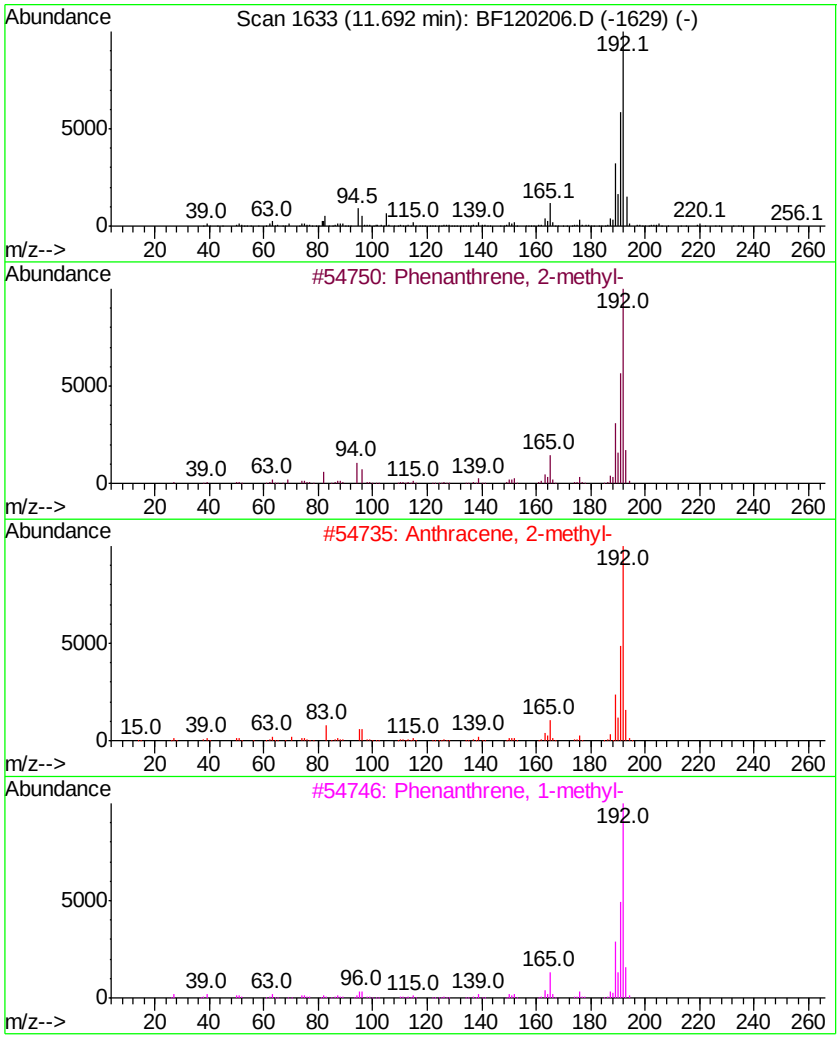
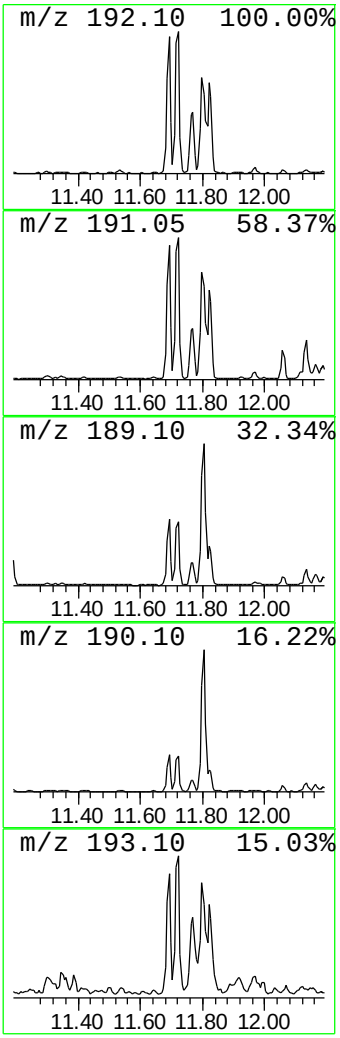
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	22.73 ng	1136900	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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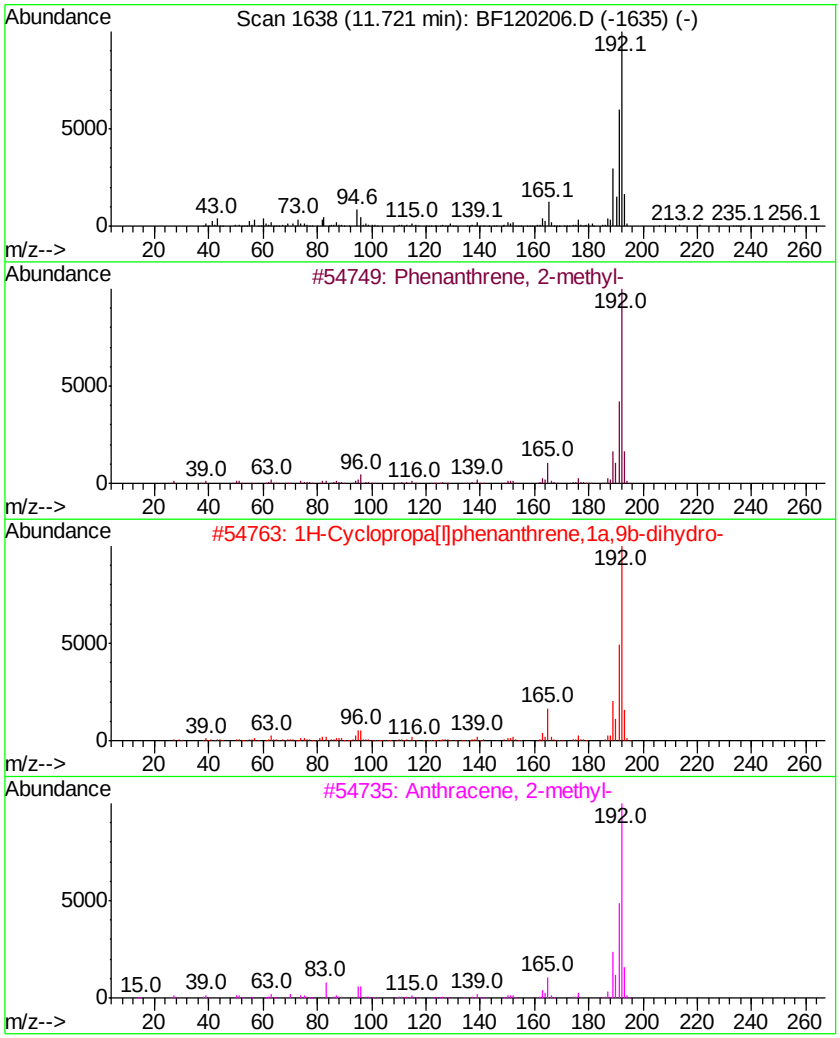
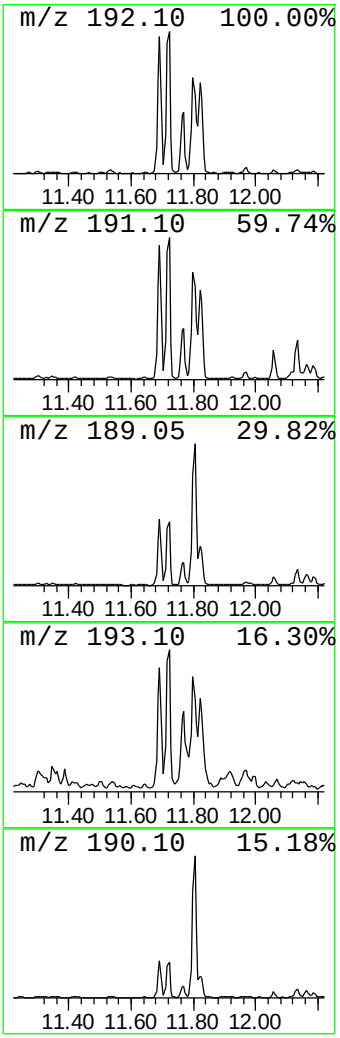
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	24.78 ng	1239880	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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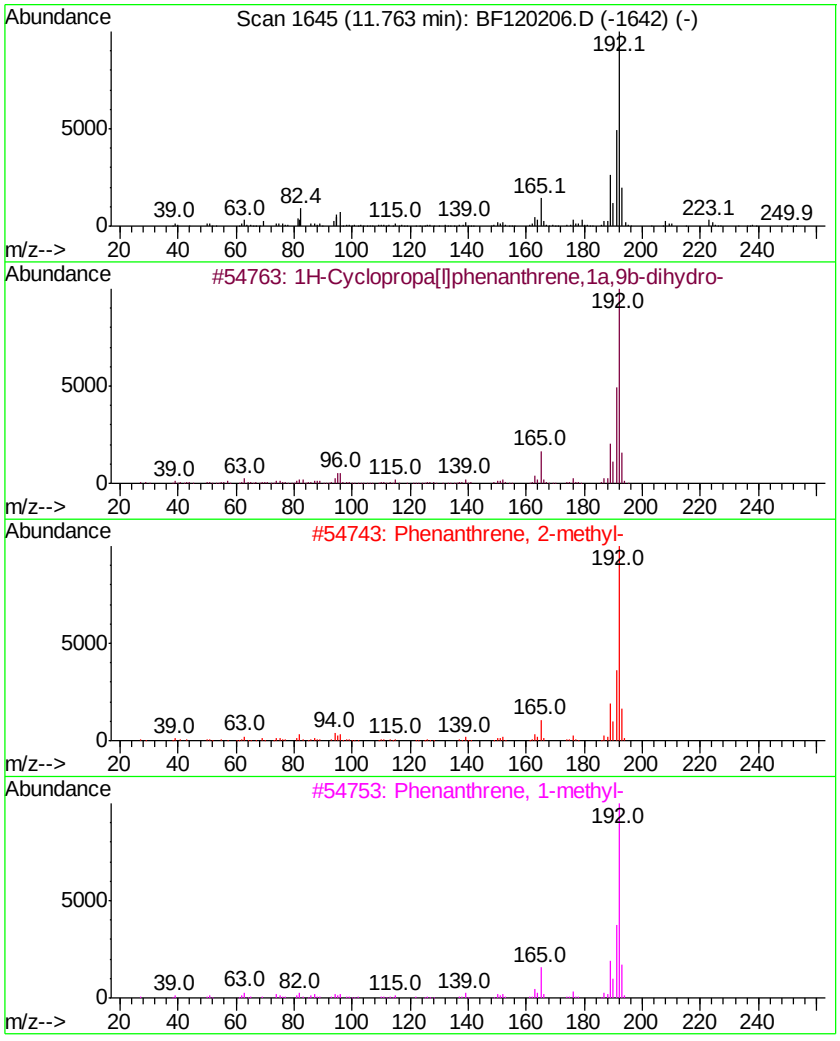
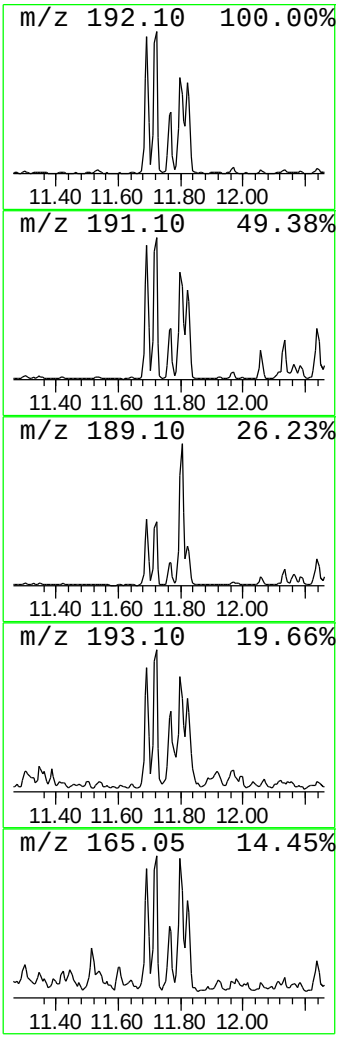
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.64 ng	532328	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

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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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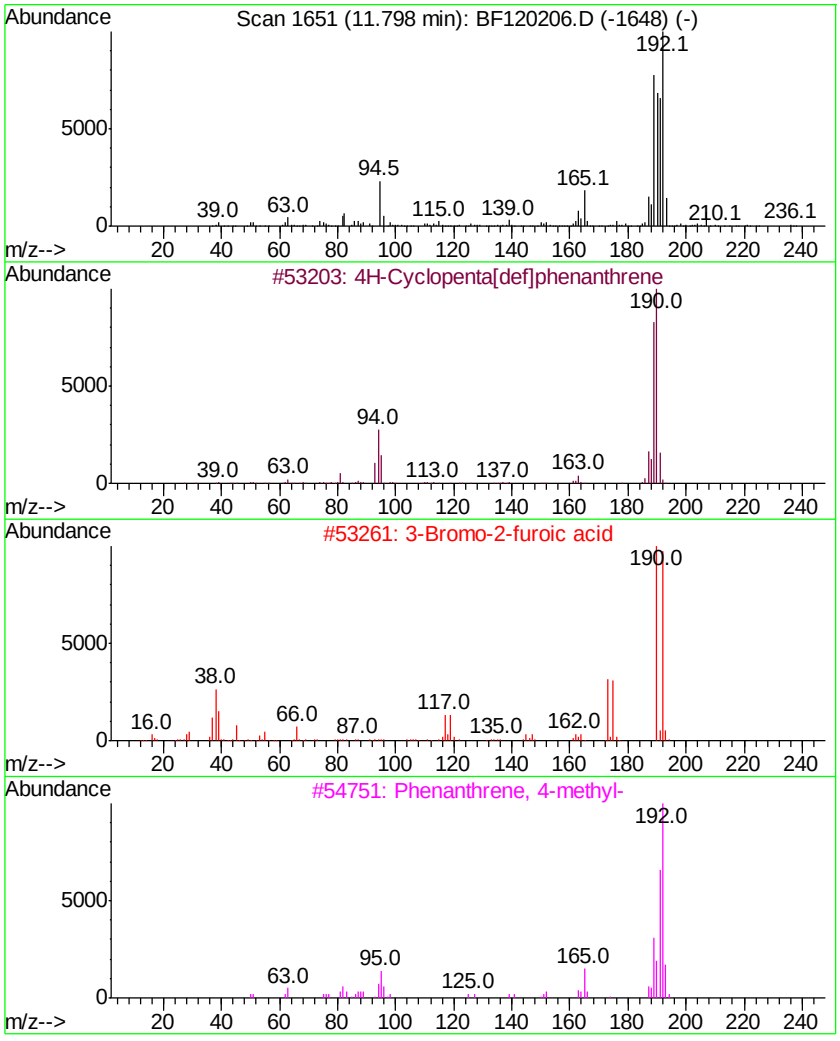
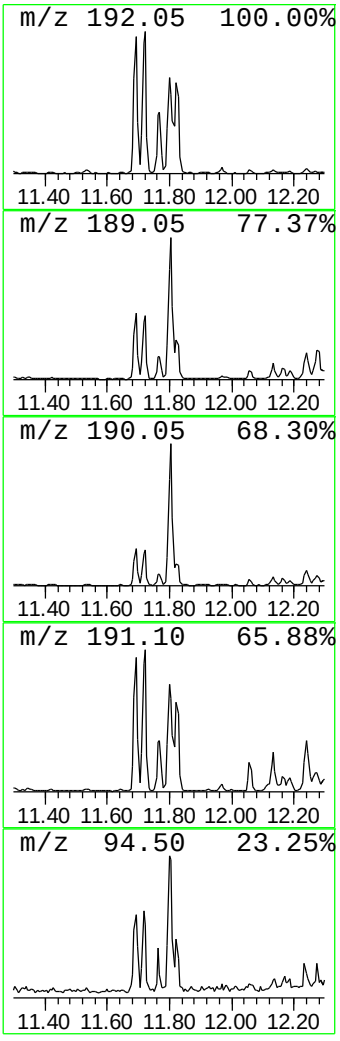
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	34.72 ng	1736990	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	43
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

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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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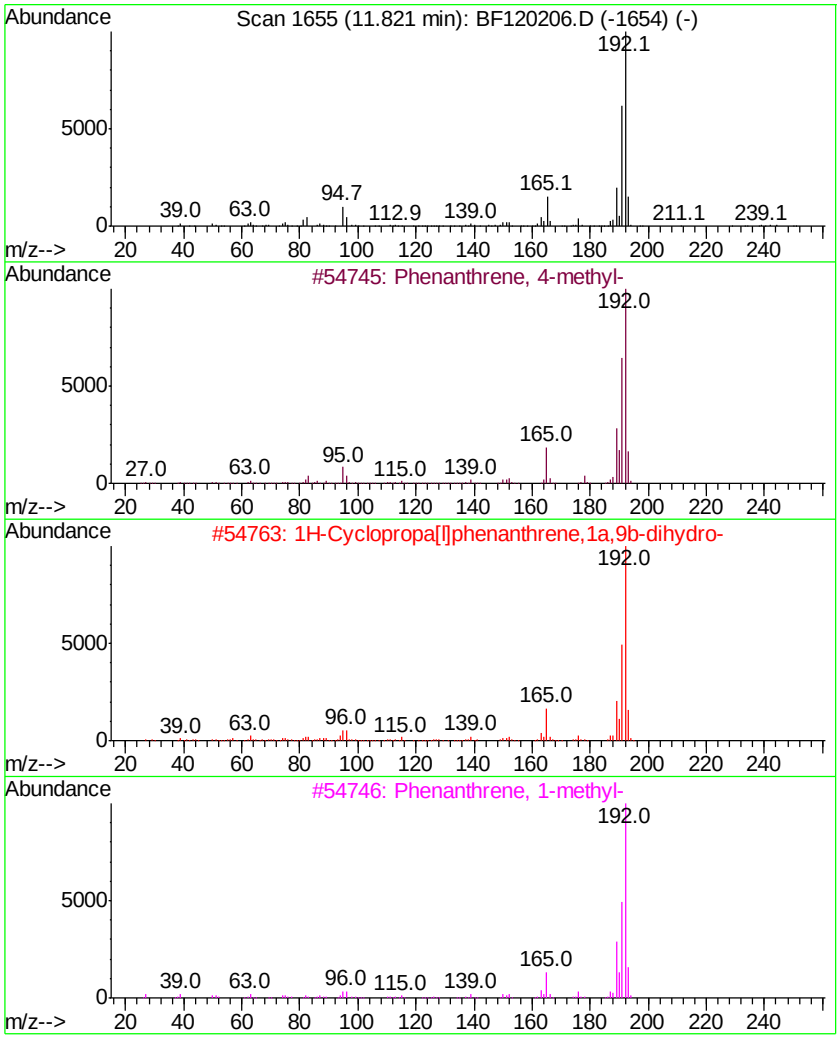
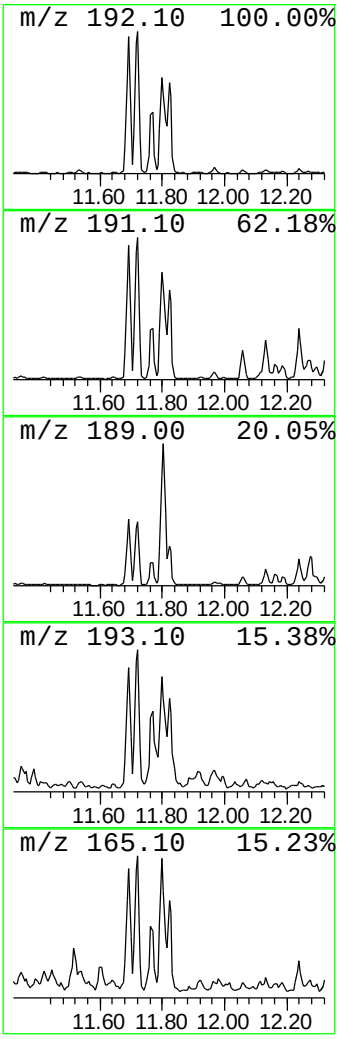
Peak Number 17 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	11.24 ng	562134	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Library Search Compound Report

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Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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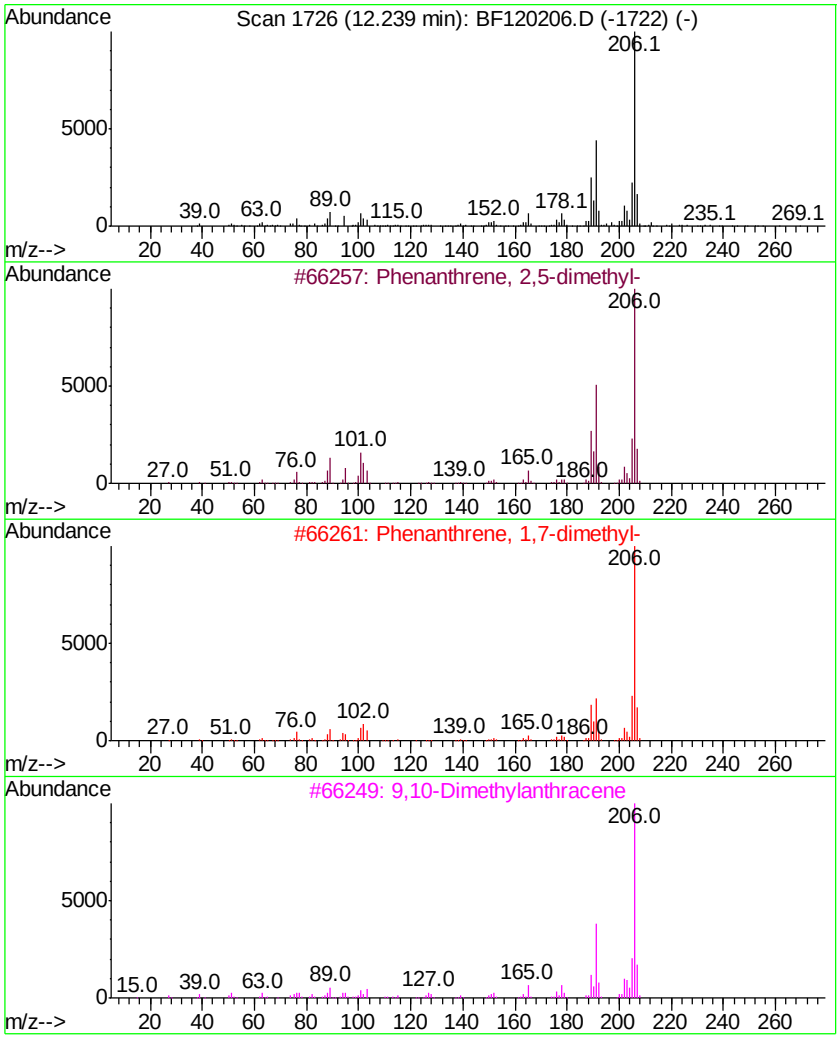
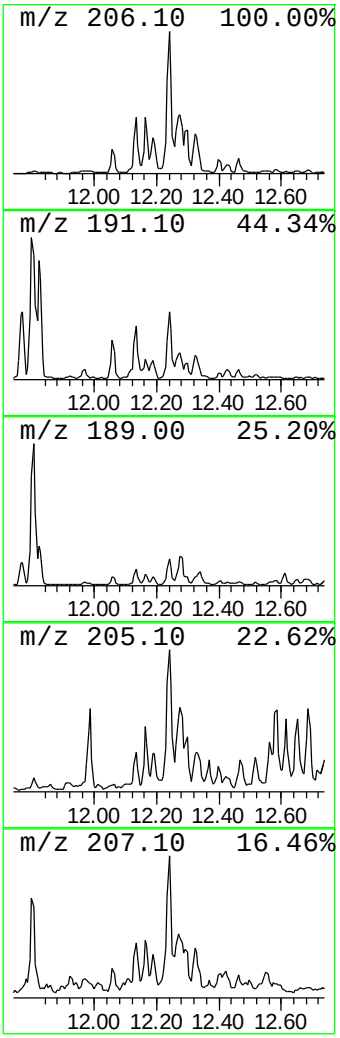
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	14.46 ng	723621	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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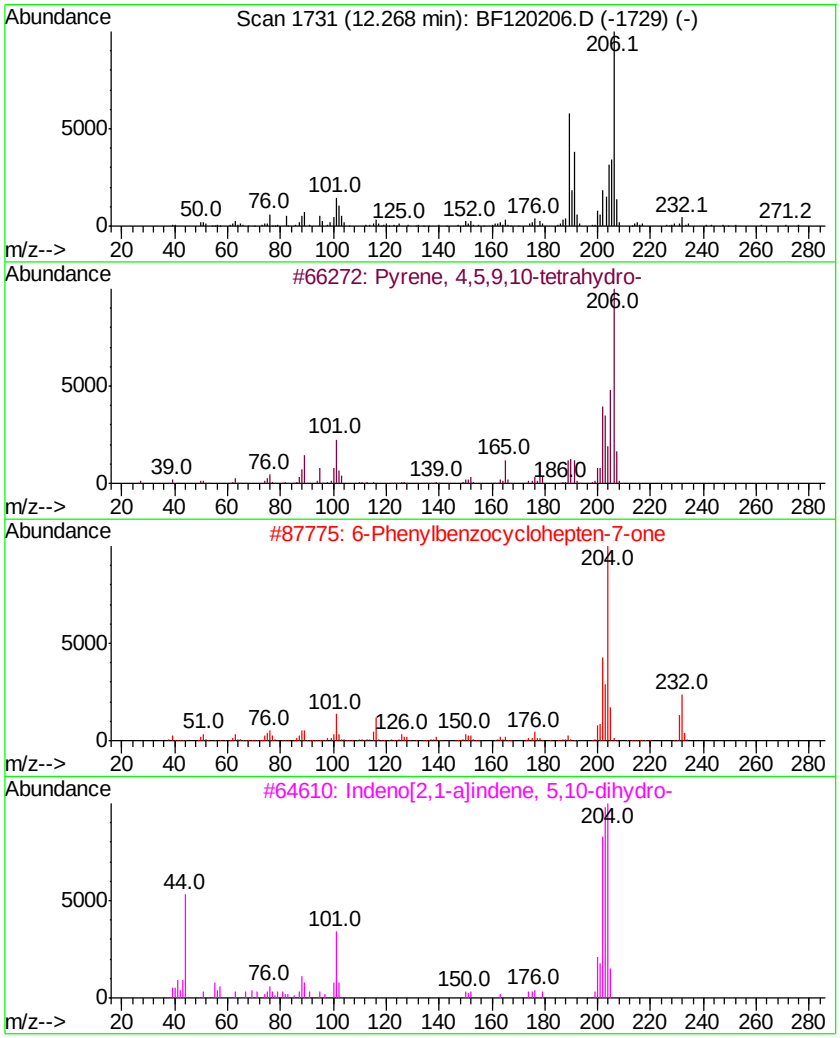
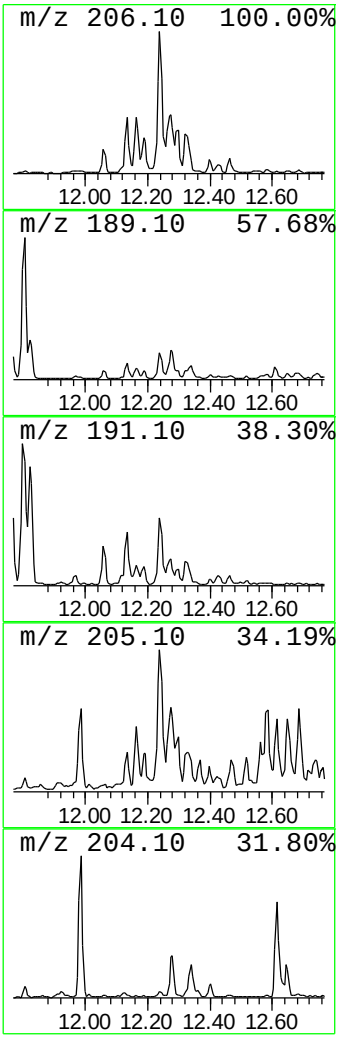
Peak Number 19 unknown12.27 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	12.61 ng	631027	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	42
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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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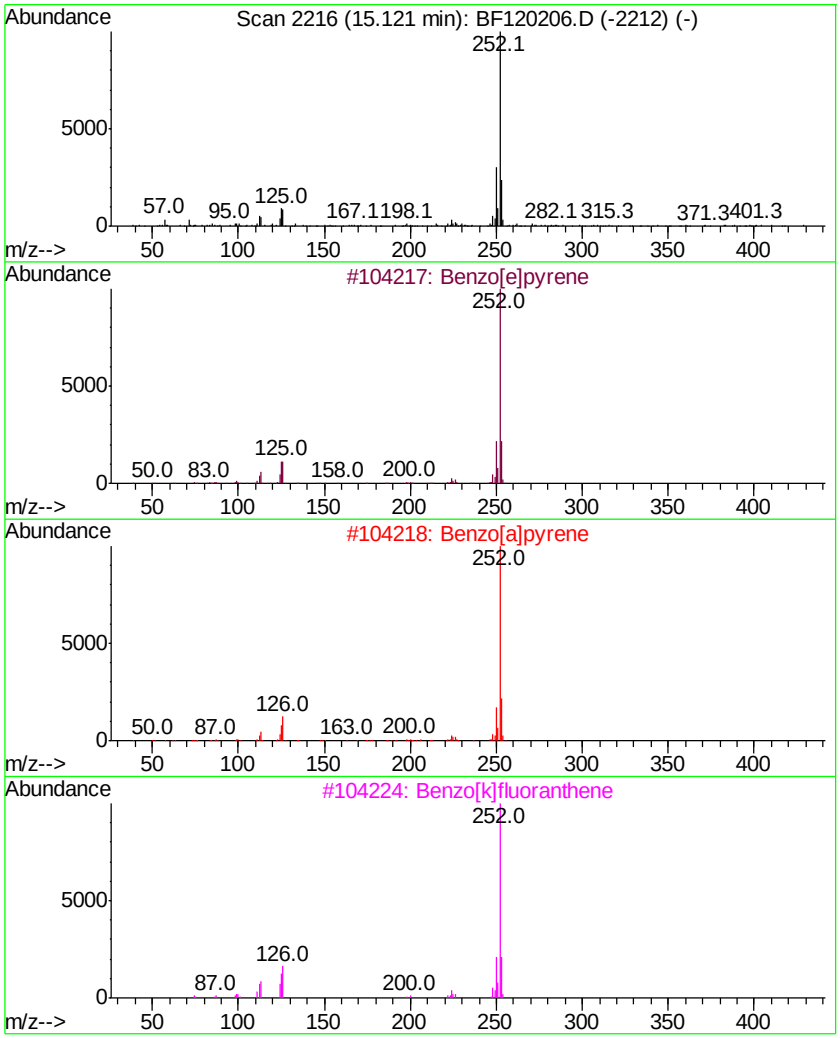
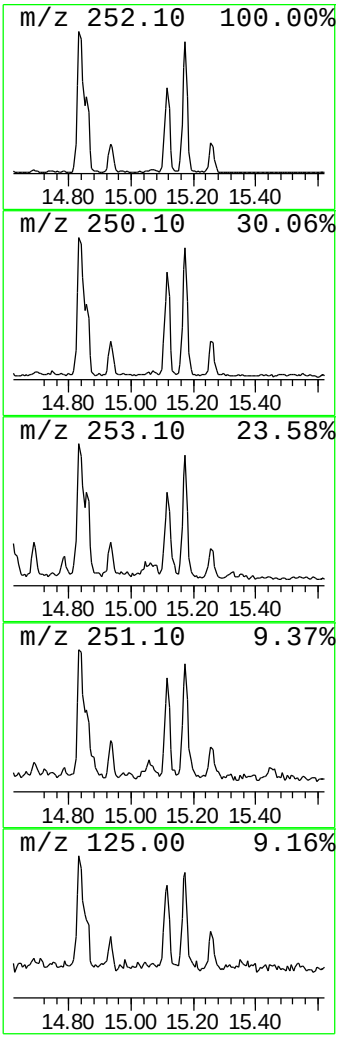
Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	13.23 ng	328034	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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
Naphthalene, 2-et...	9.22	11.2	ng	701222	3	9.70	1249030	20.0
Naphthalene, 1,5-...	9.29	13.0	ng	813194	3	9.70	1249030	20.0
Naphthalene, 2,6-...	9.36	18.6	ng	1160320	3	9.70	1249030	20.0
Naphthalene, 2,3-...	9.48	10.6	ng	660505	3	9.70	1249030	20.0
Benzene, [1-(2,4-...	9.86	10.1	ng	631402	3	9.70	1249030	20.0
Naphthalene, 1,2,...	10.61	33.8	ng	1690560	4	11.19	1000550	20.0
2-(p-Tolylmethyl)...	10.74	10.3	ng	514984	4	11.19	1000550	20.0
9H-Fluorene, 2-me...	10.80	12.7	ng	636587	4	11.19	1000550	20.0
9H-Fluorene, 1-me...	10.83	13.3	ng	666471	4	11.19	1000550	20.0
1,5,6,7-Tetrameth...	11.06	21.6	ng	1077910	4	11.19	1000550	20.0
Dibenzothiophene	11.08	14.5	ng	724430	4	11.19	1000550	20.0
Phenanthrene, 2-m...	11.69	22.7	ng	1136900	4	11.19	1000550	20.0
1H-Cyclopropa[l]p...	11.72	24.8	ng	1239880	4	11.19	1000550	20.0
Phenanthrene, 1-m...	11.76	10.6	ng	532328	4	11.19	1000550	20.0
4H-Cyclopenta[def...	11.80	34.7	ng	1736990	4	11.19	1000550	20.0
Phenanthrene, 4-m...	11.82	11.2	ng	562134	4	11.19	1000550	20.0
Phenanthrene, 2,5...	12.24	14.5	ng	723621	4	11.19	1000550	20.0
unknown12.27	12.27	12.6	ng	631027	4	11.19	1000550	20.0
Benzo[e]pyrene	15.12	13.2	ng	328034	6	15.23	495753	20.0