LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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-BF071219.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	2.128	3	7	12	rVB	170029	228944	4.19%	0.358%
2	5.487	575	578	594	rBV	446548	537391	9.83%	0.839%
3	6.498	746	750	770	rBV	474974	609980	11.16%	0.953%
4	6.639	770	774	783	rBV	745591	636854	11.65%	0.995%
5	6.869	810	813	823	rBV	878752	797399	14.59%	1.245%
6	7.028	836	840	855	rBV	580983	545087	9.97%	0.851%
7	7.428	904	908	922	rBV	322084	357316	6.54%	0.558%
8	8.151	1027	1031	1033	rBV	1136432	1028903	18.83%	1.607%
9	8.175	1033	1035	1041	rVV	1074778	934116	17.09%	1.459%
10	8.863	1149	1152	1160	rBV	461568	459670	8.41%	0.718%
11	8.963	1164	1169	1178	rVB	337295	310608	5.68%	0.485%
12	9.222	1210	1213	1225	rBV	736471	698141	12.77%	1.090%
13	9.328	1228	1231	1237	rVB	134543	127433	2.33%	0.199%
14	9.422	1244	1247	1254	rVB	89312	97425	1.78%	0.152%
15	9.492	1254	1259	1263	rBV2	136954	196163	3.59%	0.306%
16	9.563	1267	1271	1274	rVV	235150	240684	4.40%	0.376%
17	9.592	1274	1276	1278	rVV	149217	133575	2.44%	0.209%
18	9.616	1278	1280	1288	rVV	160495	167587	3.07%	0.262%
19	9.680	1288	1291	1299	rVB	104046	128497	2.35%	0.201%
20	9.763	1303	1305	1313	rVB	198985	197289	3.61%	0.308%
21	9.904	1323	1329	1332	rBV	1137664	1143882	20.93%	1.787%
22	9.939	1332	1335	1339	rVB	1237729	1012339	18.52%	1.581%
23	10.110	1360	1364	1368	rBV	814067	733043	13.41%	1.145%
24	10.145	1368	1370	1379	rVB	87675	99983	1.83%	0.156%
25	10.451	1419	1422	1428	rBV	1207239	1194237	21.85%	1.865%
26	10.539	1435	1437	1439	rVB	134920	108672	1.99%	0.170%
27	10.610	1447	1449	1456	rVB	222023	198185	3.63%	0.310%
28	10.692	1457	1463	1468	rVV	500945	578930	10.59%	0.904%
29	10.822	1479	1485	1490	rVB4	75014	101137	1.85%	0.158%
30	10.886	1490	1496	1499	rBV3	78031	95048	1.74%	0.148%
31	10.998	1508	1515	1518	rBV2	188846	260289	4.76%	0.407%
32	11.027	1518	1520	1523	rVV2	107310	106600	1.95%	0.166%
33	11.080	1526	1529	1532	rVV2	99255	106901	1.96%	0.167%
34	11.127	1532	1537	1539	rVV3	87693	116813	2.14%	0.182%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.151	1539	1541	1547	rVV2	107202	133667	2.45%	0.209%
36	11.239	1552	1556	1561	rVV4	96817	150633	2.76%	0.235%
37	11.286	1561	1564	1570	rVB	362384	334660	6.12%	0.523%
38	11.392	1578	1582	1584	rBV	976356	1028783	18.82%	1.607%
39	11.422	1584	1587	1590	rVV	4566974	4370060	79.96%	6.825%
40	11.469	1590	1595	1598	rVV	1867588	1575155	28.82%	2.460%
41	11.504	1598	1601	1604	rVB2	106650	118152	2.16%	0.185%
42	11.622	1617	1621	1624	rBV	359235	359092	6.57%	0.561%
43	11.686	1629	1632	1636	rVV2	130335	122471	2.24%	0.191%
44	11.892	1662	1667	1669	rBV	559720	492013	9.00%	0.768%
45	11.922	1669	1672	1676	rVB	755776	623276	11.40%	0.973%
46	11.969	1676	1680	1683	rBV	328873	285606	5.23%	0.446%
47	12.010	1683	1687	1689	rBV	1114638	1197351	21.91%	1.870%
48	12.186	1714	1717	1720	rBV	397577	324258	5.93%	0.506%
49	12.333	1738	1742	1745	rBV2	99344	107666	1.97%	0.168%
50	12.445	1754	1761	1763	rBV	253803	304266	5.57%	0.475%
51	12.480	1763	1767	1769	rVV2	194635	226601	4.15%	0.354%
52	12.533	1773	1776	1780	rBV2	152595	204215	3.74%	0.319%
53	12.616	1784	1790	1793	rBV	4397530	4895497	89.58%	7.646%
54	12.698	1802	1804	1807	rVB	122881	98530	1.80%	0.154%
55	12.757	1807	1814	1821	rVB3	203126	352522	6.45%	0.551%
56	12.839	1821	1828	1833	rBV2	3843095	5465105	100.00%	8.535%
57	12.880	1833	1835	1840	rVB2	237355	267256	4.89%	0.417%
58	12.951	1844	1847	1848	rBV	311824	260819	4.77%	0.407%
59	12.968	1848	1850	1853	rVV	681812	593366	10.86%	0.927%
60	12.992	1853	1854	1858	rVB	189488	130415	2.39%	0.204%
61	13.051	1859	1864	1867	rBV2	310103	520673	9.53%	0.813%
62	13.139	1875	1879	1880	rBV3	241061	270484	4.95%	0.422%
63	13.163	1880	1883	1886	rVB	959144	883402	16.16%	1.380%
64	13.227	1891	1894	1897	rBV	987204	840956	15.39%	1.313%
65	13.263	1897	1900	1903	rVV2	429084	503361	9.21%	0.786%
66	13.292	1903	1905	1908	rVB	149916	133719	2.45%	0.209%
67	13.321	1908	1910	1913	rBV2	107613	97674	1.79%	0.153%
68	13.357	1913	1916	1919	rBV	230152	203052	3.72%	0.317%
69	13.386	1919	1921	1925	rBV	242567	242010	4.43%	0.378%
70	13.516	1940	1943	1945	rBV	99775	94826	1.74%	0.148%
71	13.645	1962	1965	1967	rBV	151784	182658	3.34%	0.285%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.674	1967	1970	1974	rVB2	154119	202929	3.71%	0.317%
73	13.780	1985	1988	1990	rBV	314038	301389	5.51%	0.471%
74	13.810	1990	1993	1995	rVV	367161	324611	5.94%	0.507%
75	13.833	1995	1997	2002	rVV2	340472	421381	7.71%	0.658%
76	14.027	2023	2030	2033	rBV2	2839150	4095880	74.95%	6.397%
77	14.063	2033	2036	2043	rVB	2292387	2219683	40.62%	3.467%
78	14.139	2046	2049	2053	rVV	659362	556691	10.19%	0.869%
79	14.174	2053	2055	2059	rVV3	181077	222567	4.07%	0.348%
80	14.215	2060	2062	2065	rVB2	172744	180222	3.30%	0.281%
81	14.251	2065	2068	2072	rBV2	268876	341338	6.25%	0.533%
82	14.351	2082	2085	2087	rBV2	88208	114855	2.10%	0.179%
83	14.380	2088	2090	2092	rVV2	176738	164501	3.01%	0.257%
84	14.415	2092	2096	2099	rVV	478312	577689	10.57%	0.902%
85	14.451	2099	2102	2105	rVB2	229348	226512	4.14%	0.354%
86	14.515	2111	2113	2115	rVB	228514	171341	3.14%	0.268%
87	14.545	2115	2118	2119	rVV	240507	235093	4.30%	0.367%
88	14.563	2119	2121	2125	rVV	412582	343255	6.28%	0.536%
89	14.610	2125	2129	2136	rVB3	171071	282215	5.16%	0.441%
90	14.733	2147	2150	2152	rBV2	109326	123370	2.26%	0.193%
91	14.915	2178	2181	2184	rBV	139713	148934	2.73%	0.233%
92	15.080	2203	2209	2212	rBV	1781477	2964829	54.25%	4.631%
93	15.180	2223	2226	2231	rVB	414347	451397	8.26%	0.705%
94	15.380	2256	2260	2266	rVB	1009233	1374347	25.15%	2.146%
95	15.451	2266	2272	2276	rBV	1595871	2086392	38.18%	3.259%
96	15.504	2277	2281	2284	rVV	693808	934499	17.10%	1.460%
97	15.539	2284	2287	2293	rVB2	479452	648862	11.87%	1.013%
98	16.068	2374	2377	2382	rVB2	112767	147751	2.70%	0.231%
99	16.986	2526	2533	2540	rVB2	523009	1037386	18.98%	1.620%
100	17.433	2602	2609	2623	rVB	382418	844787	15.46%	1.319%

Sum of corrected areas: 64028077

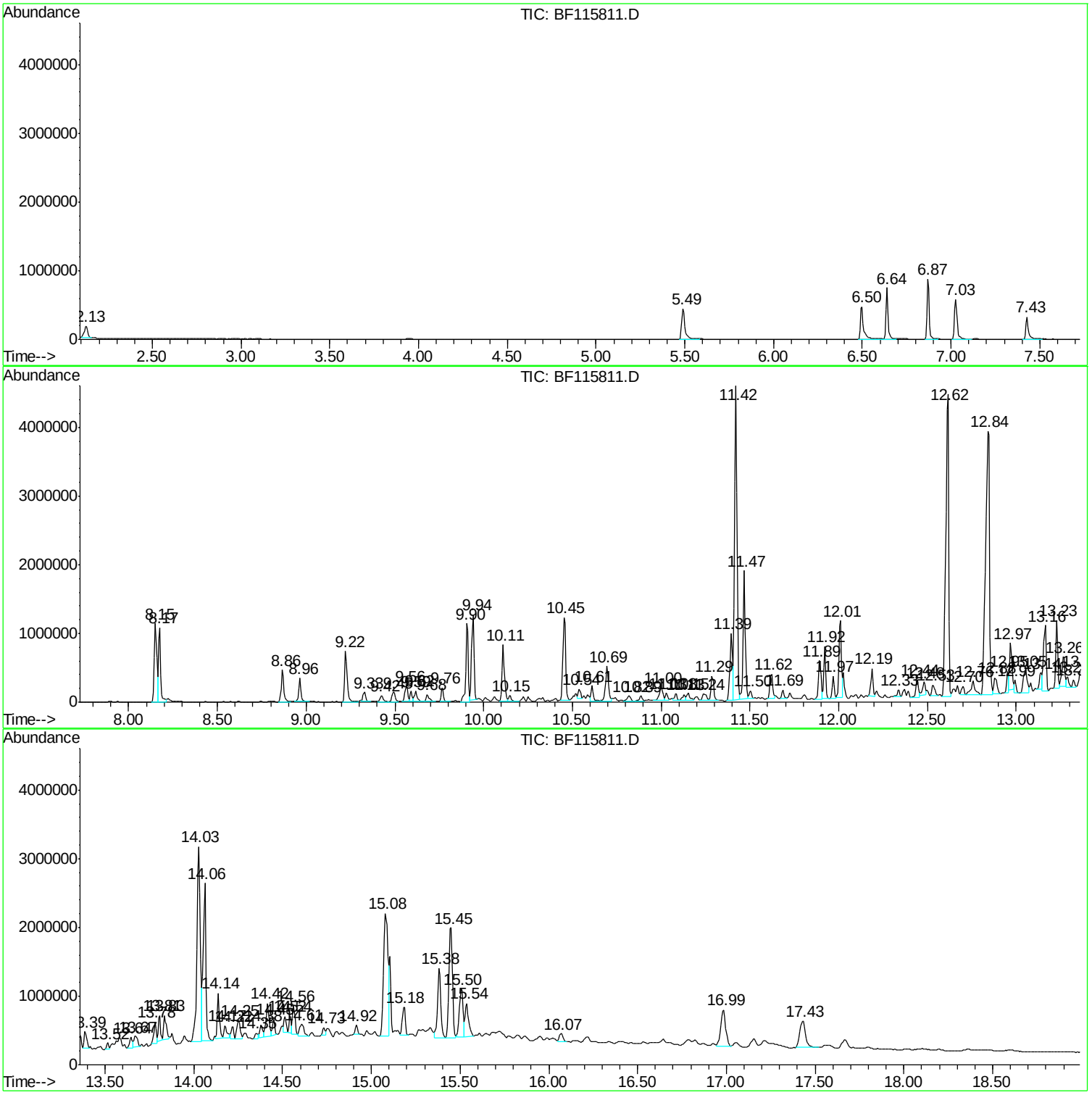
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

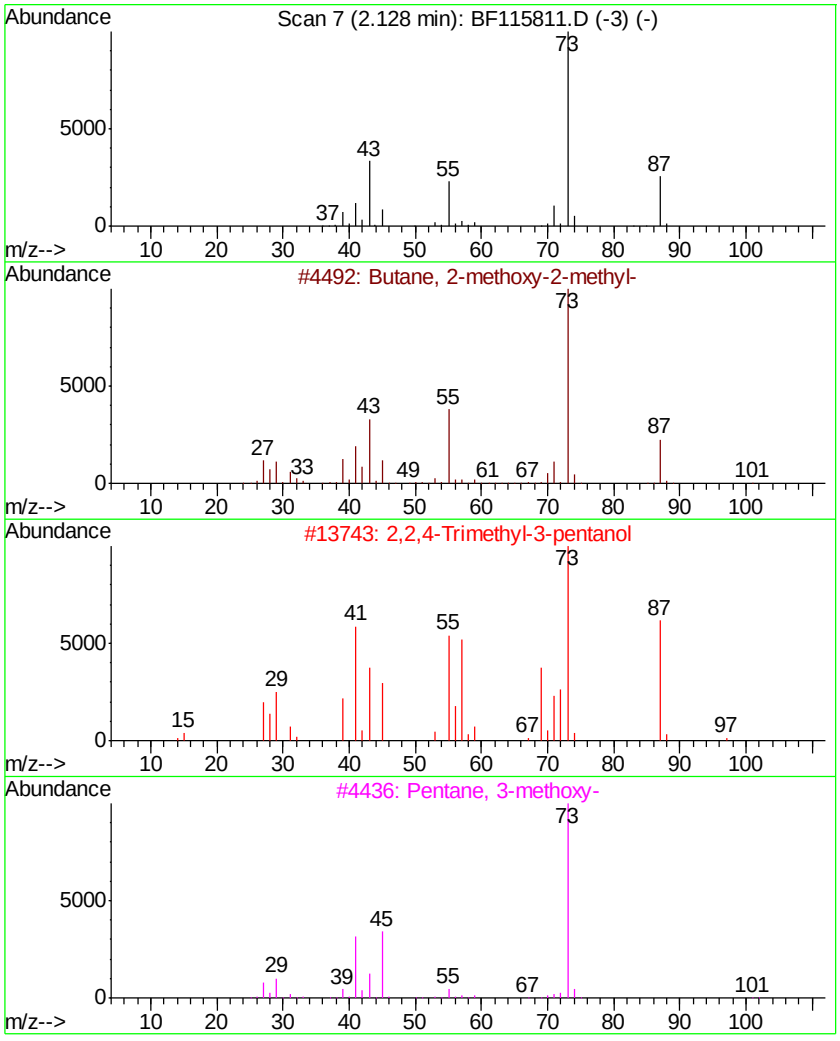
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

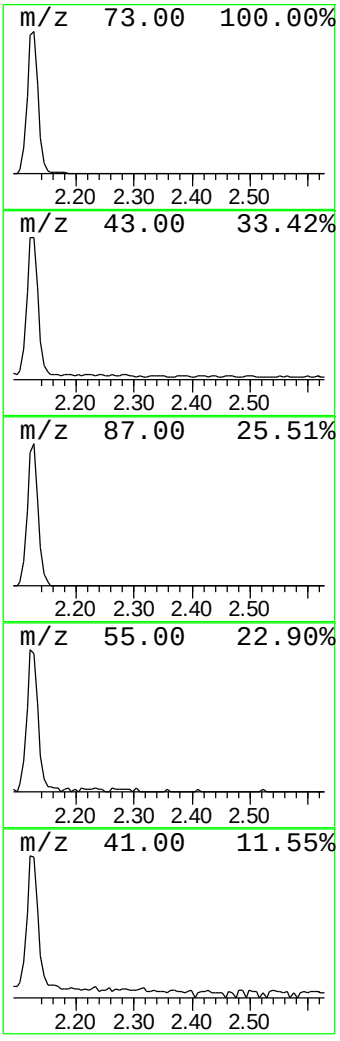
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	5.74 ng	228944	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

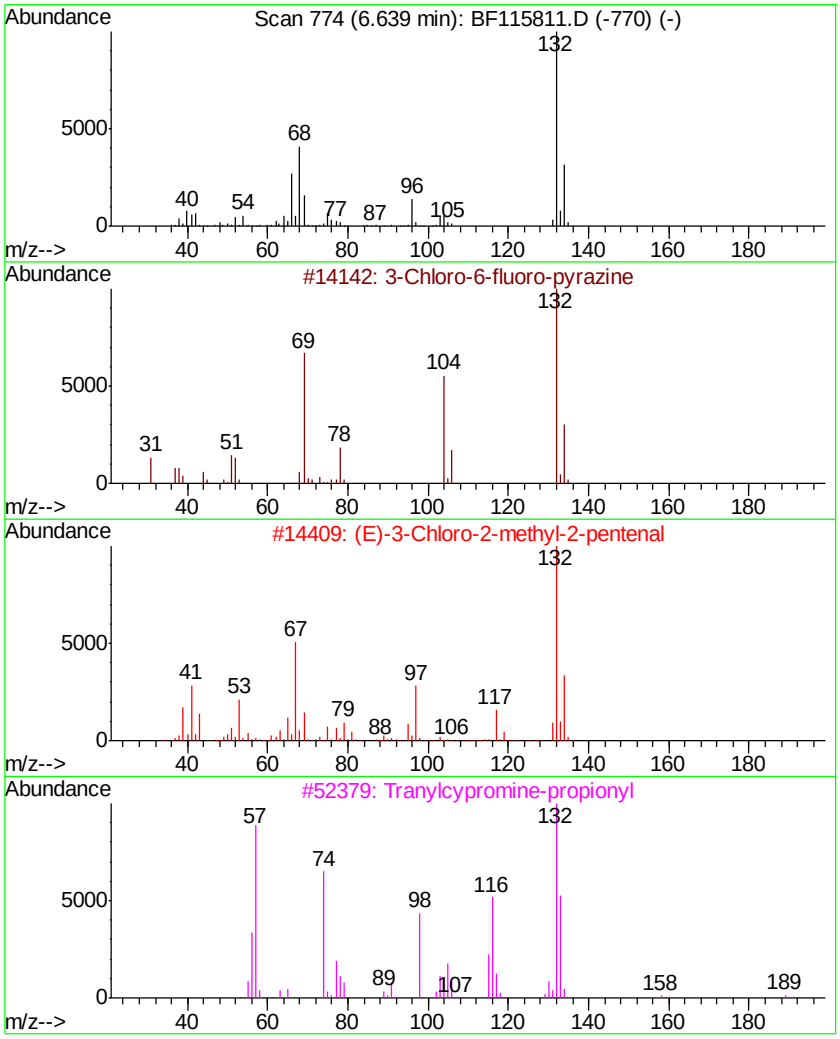
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

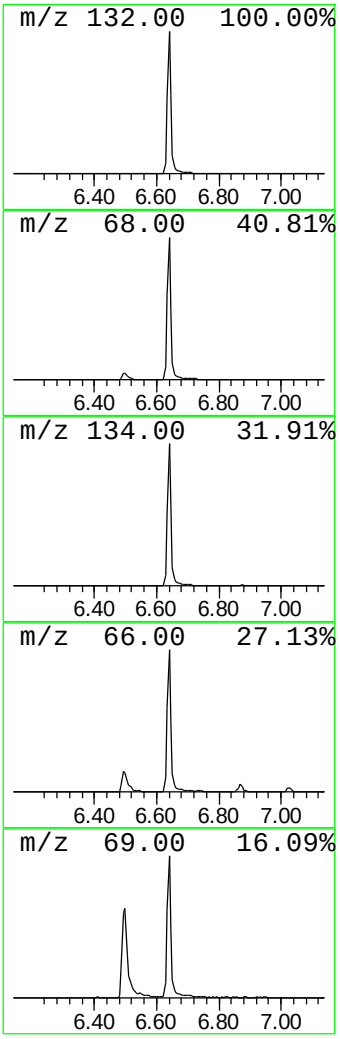
****

Peak Number 2 unknown6.64 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	15.97 ng	636854	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

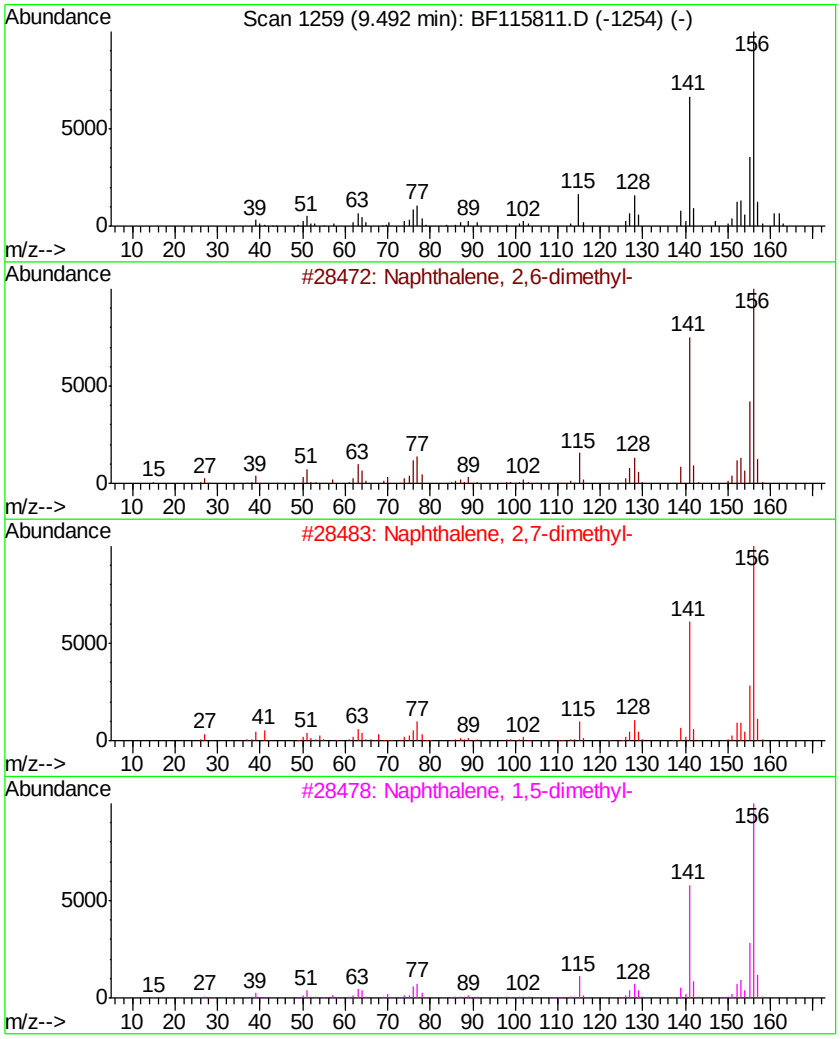
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

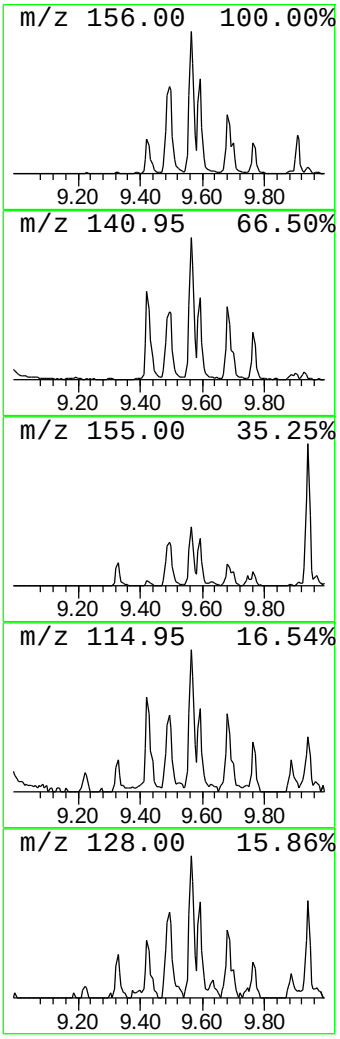
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	3.43 ng	196163	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

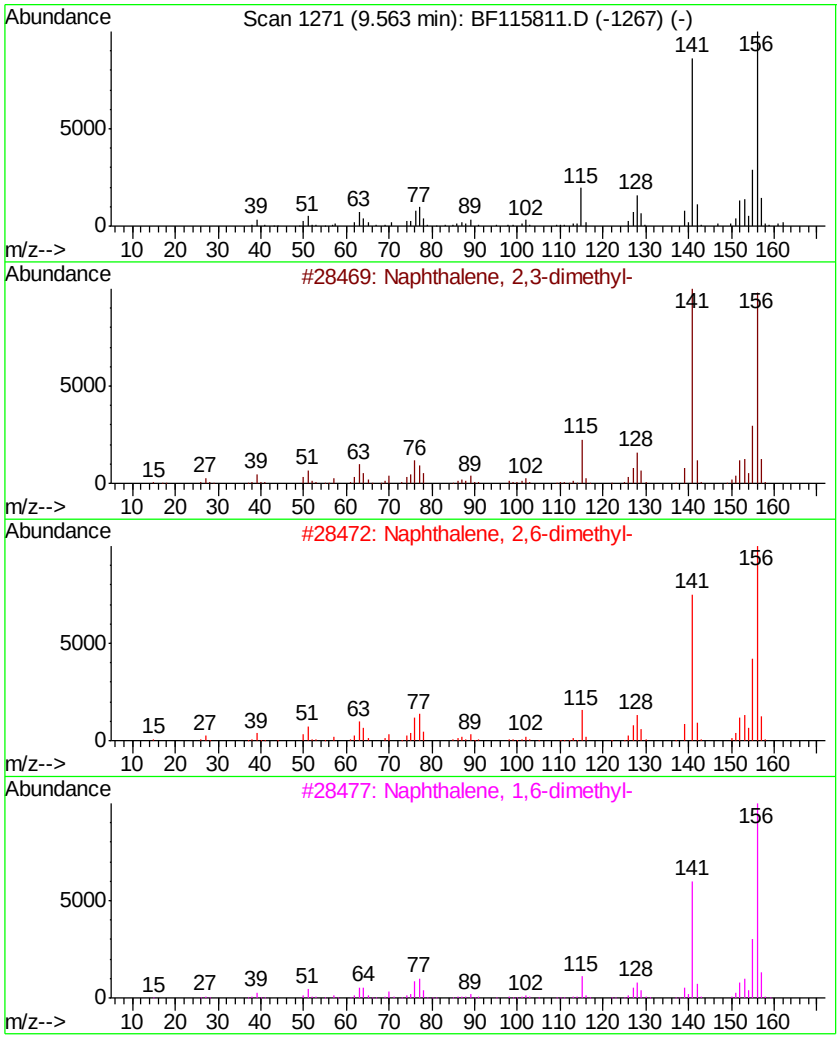
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

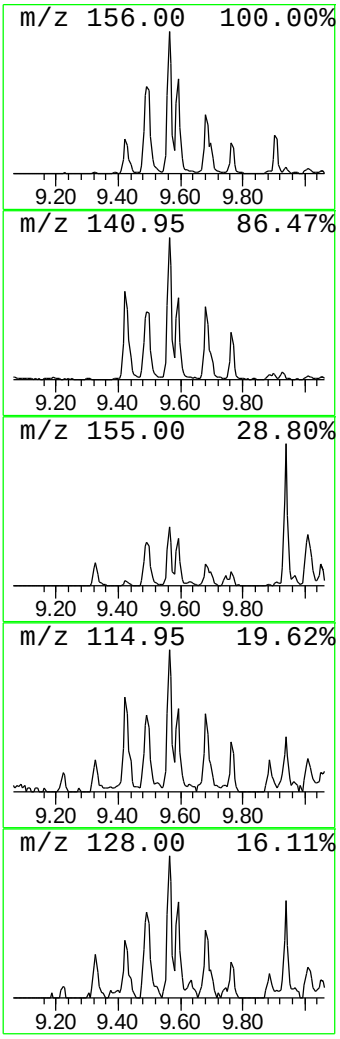
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	4.21 ng	240684	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	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\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

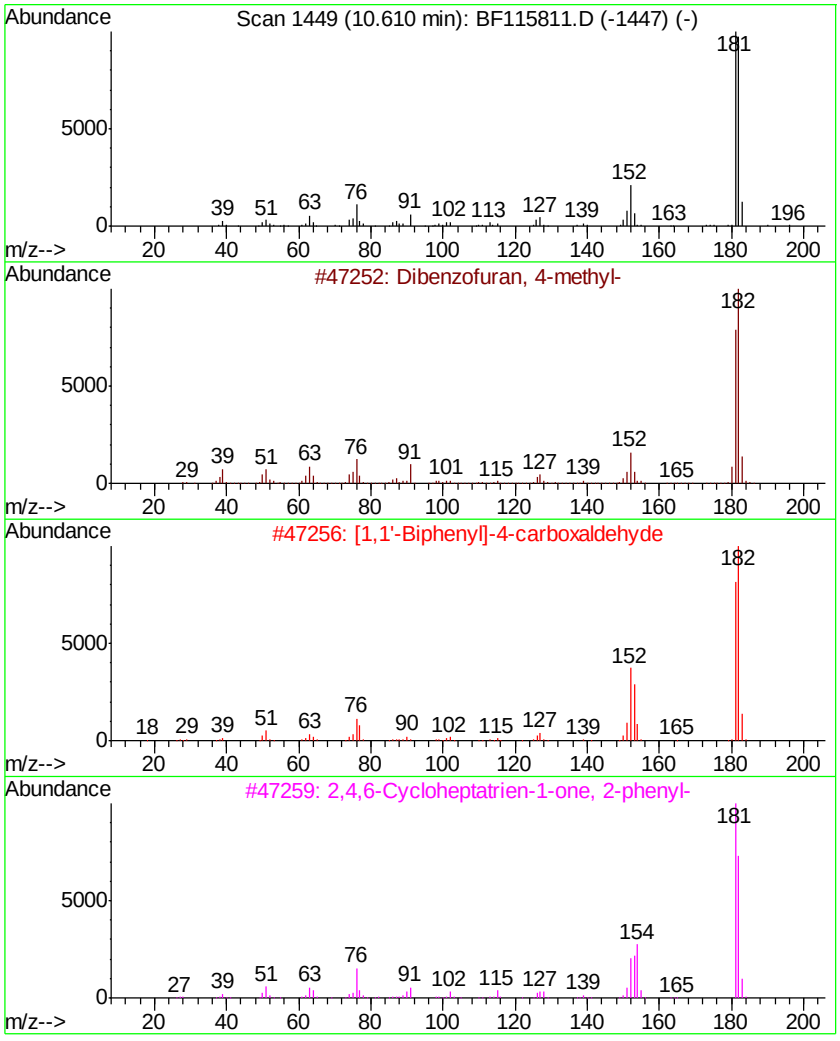
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

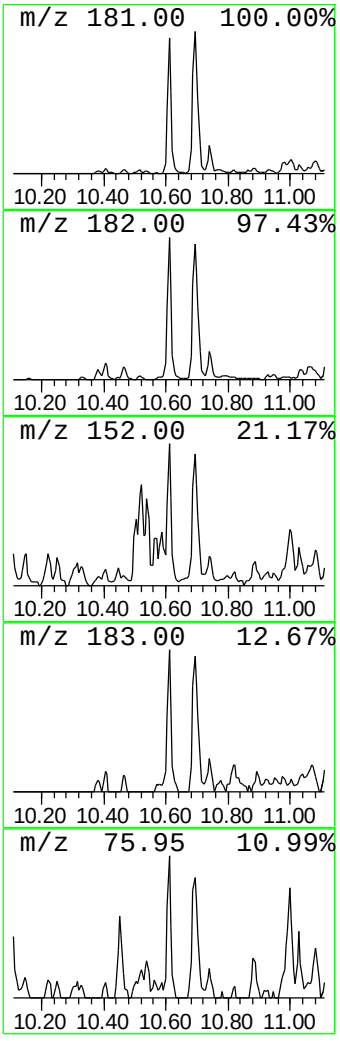
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	3.47 ng	198185	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	60





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Sample : K3626-09 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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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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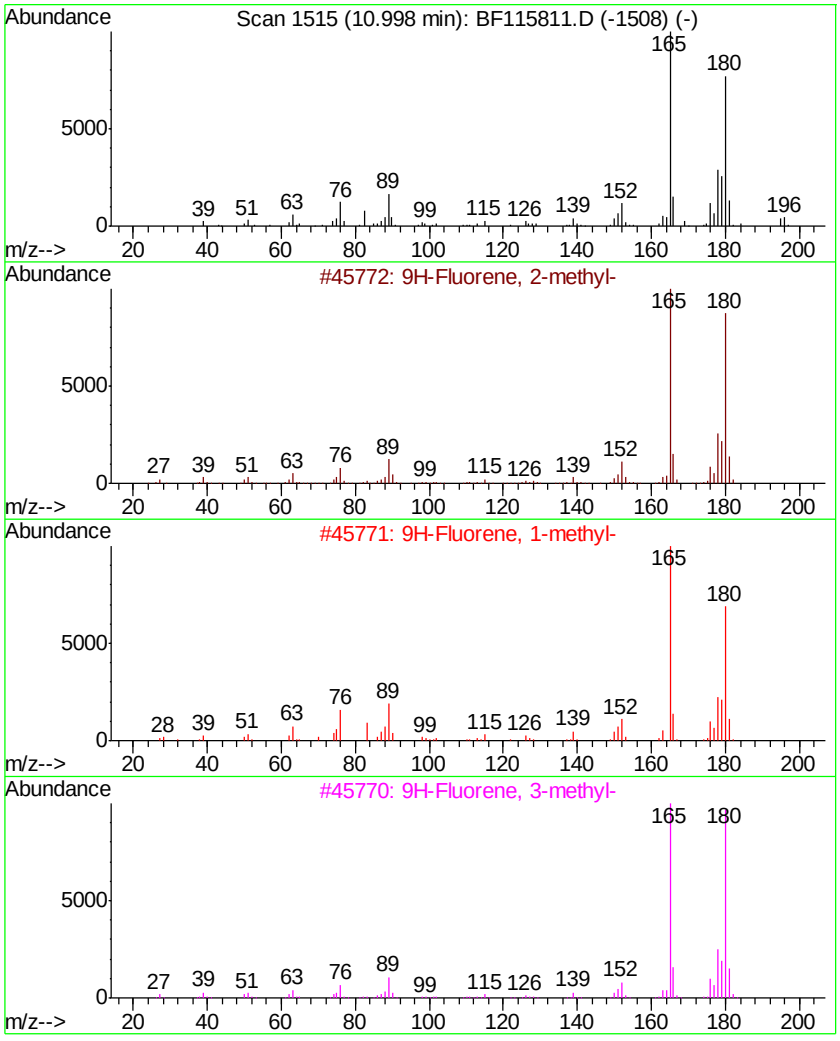
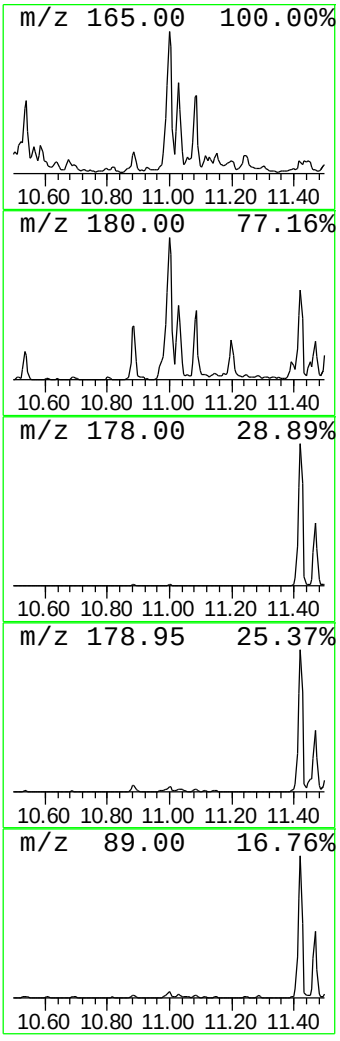
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	5.06 ng	260289	Phenanthrene-d10	11.39

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	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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ClientSampleId : SU-01-072519-A

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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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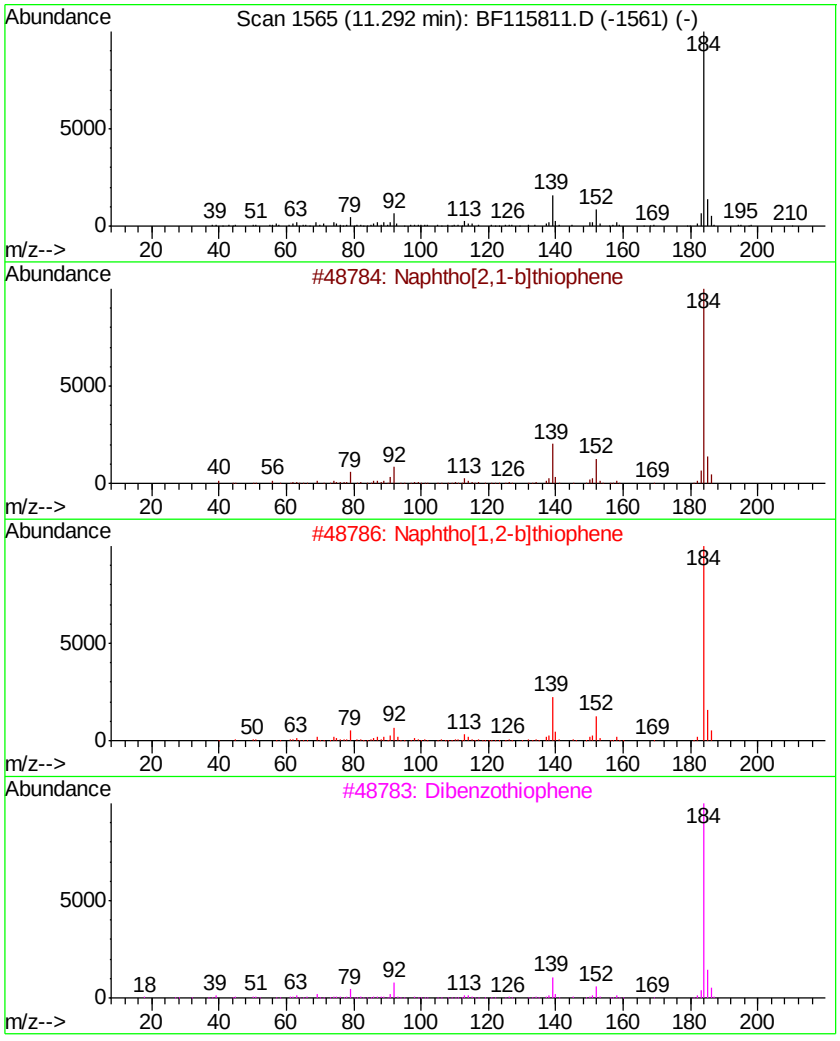
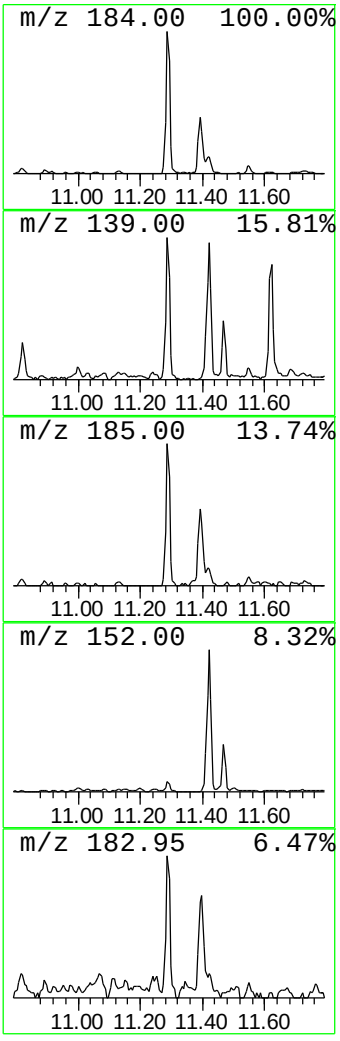
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	6.51 ng	334660	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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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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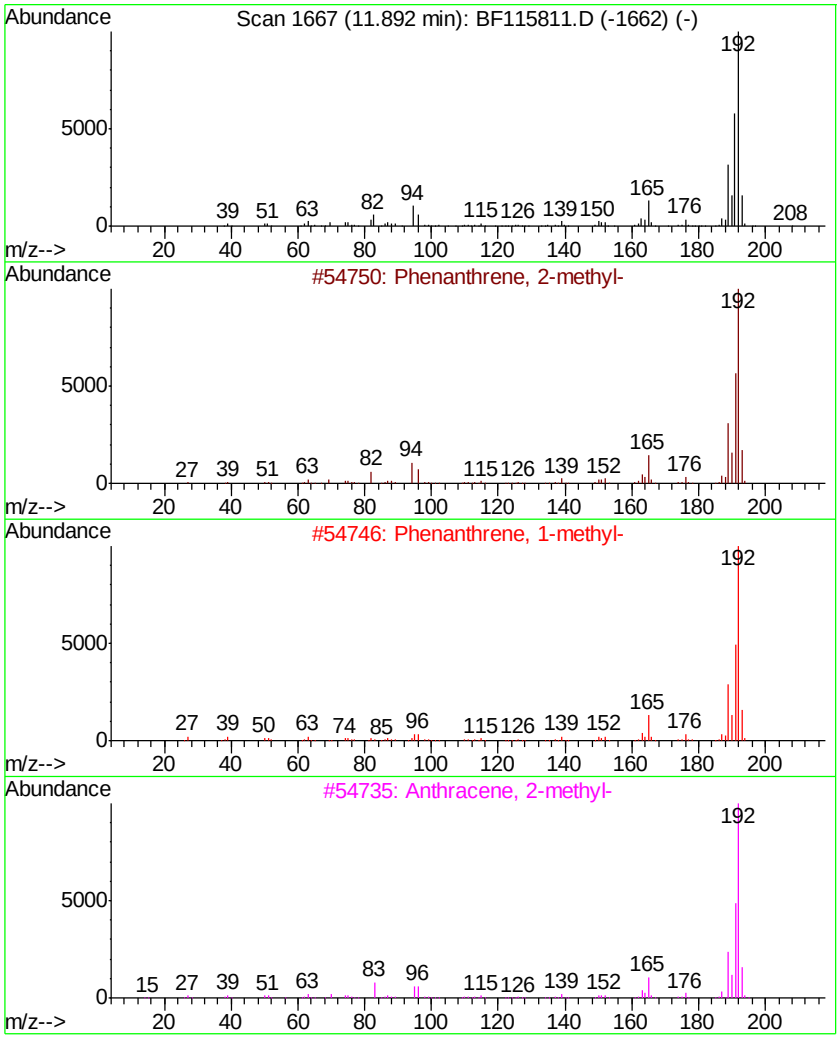
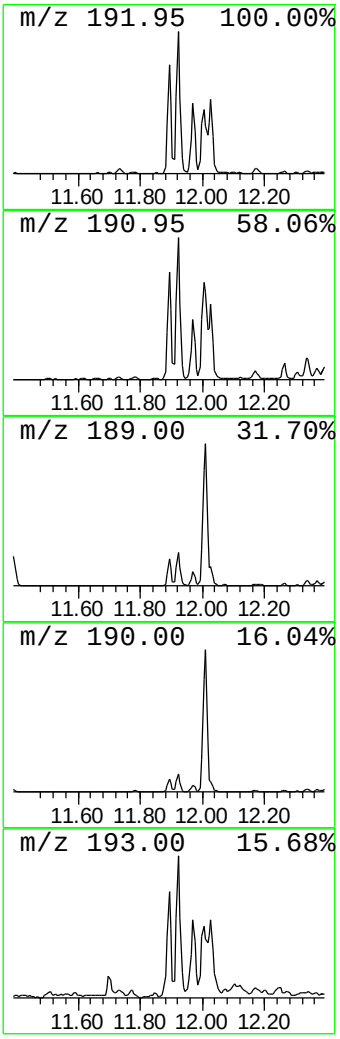
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.56 ng	492013	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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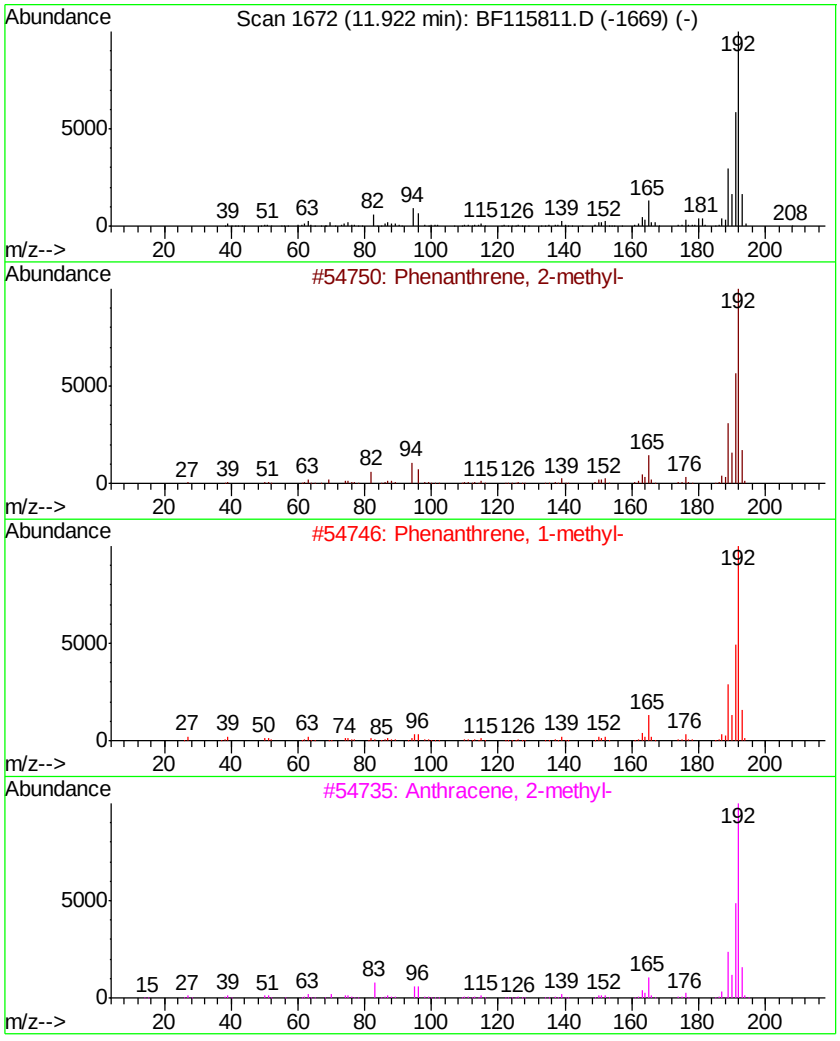
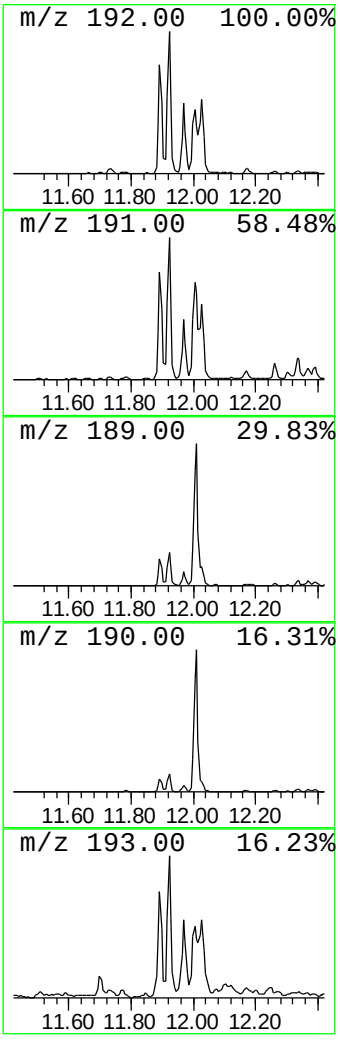
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	12.12 ng	623276	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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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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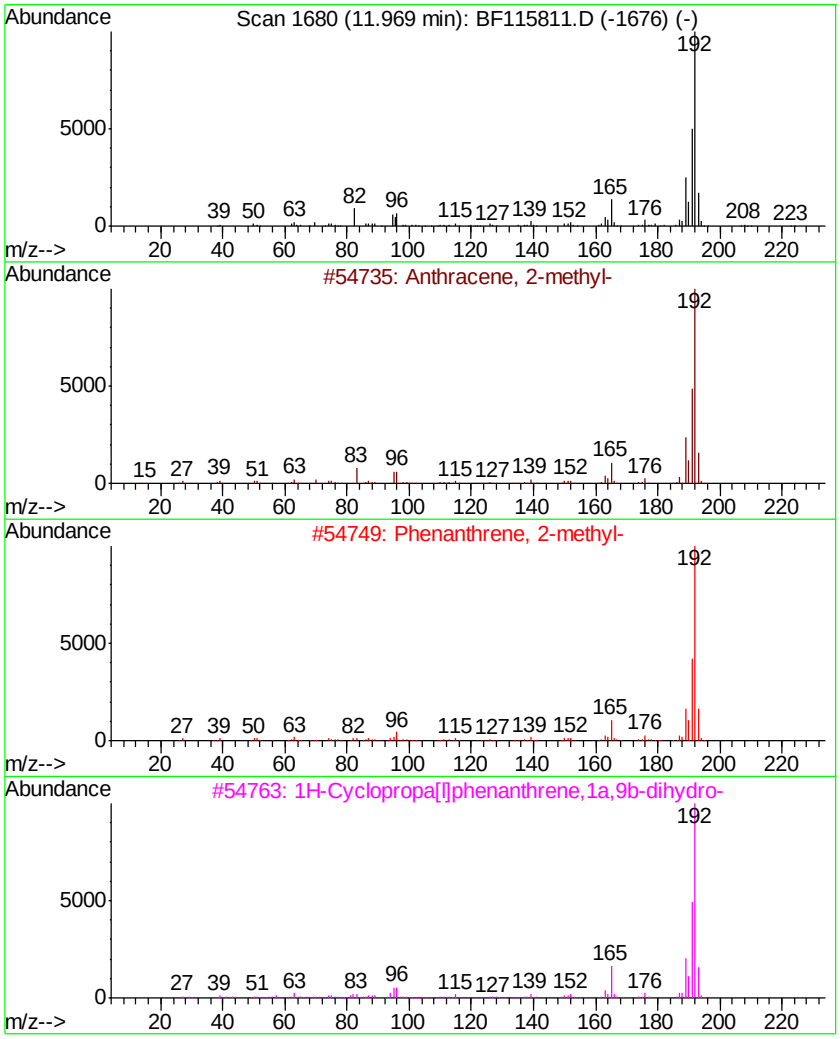
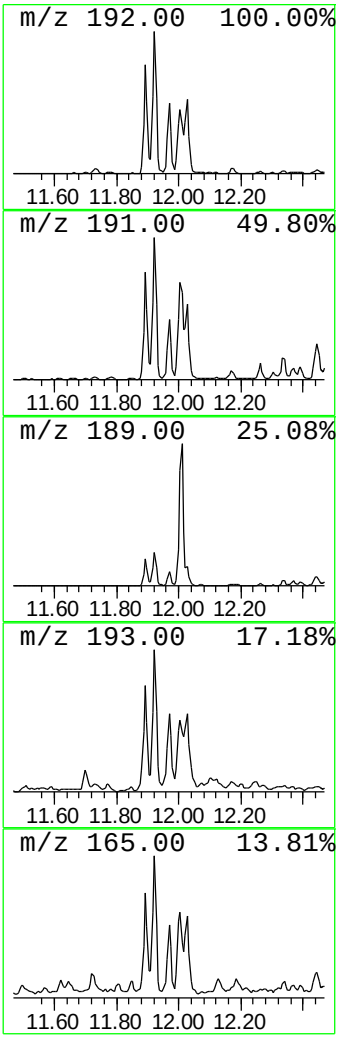
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.55 ng	285606	Phenanthrene-d10	11.39

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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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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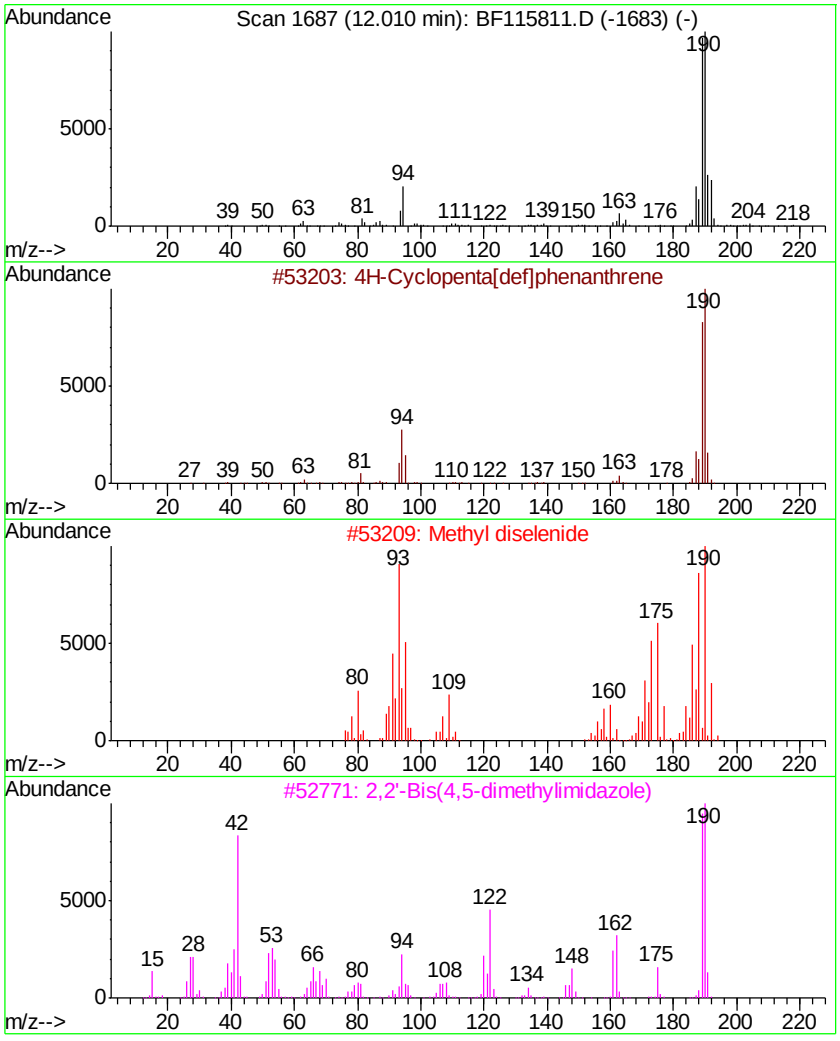
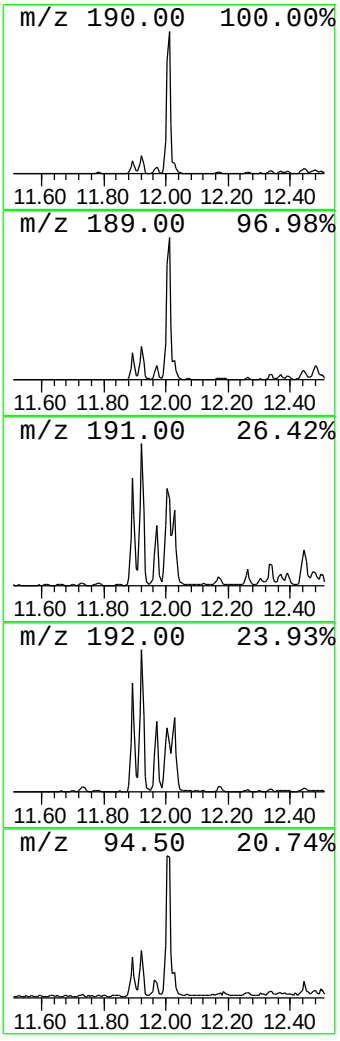
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	23.28 ng	1197350	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

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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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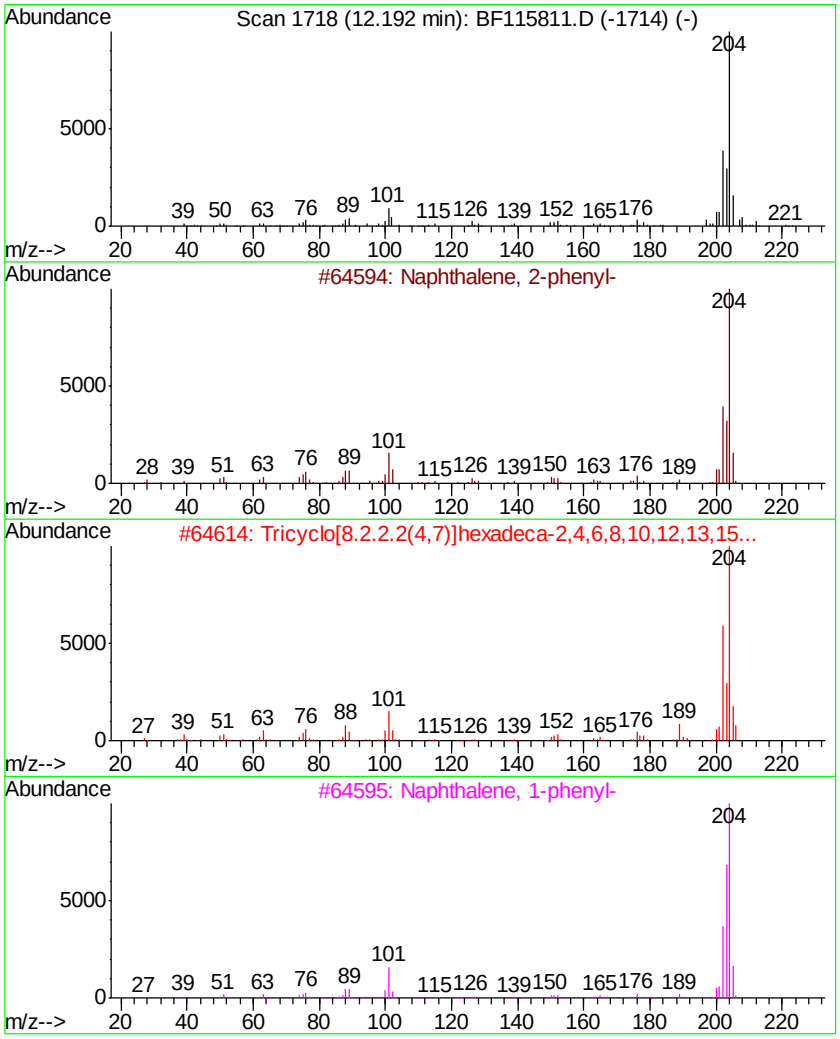
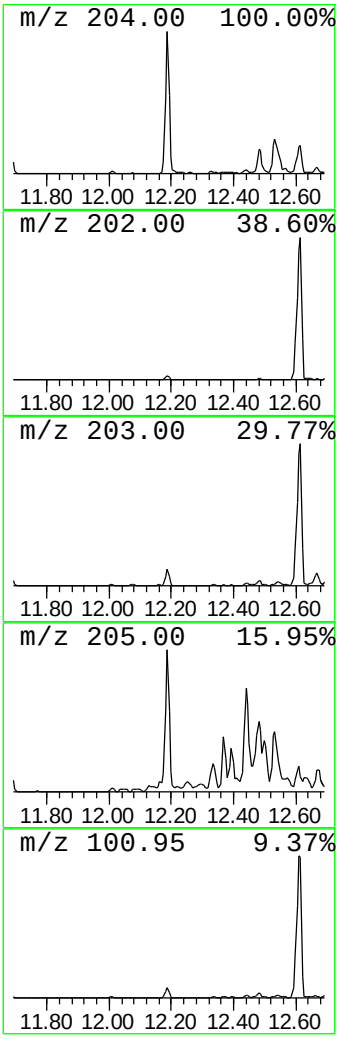
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	6.30 ng	324258	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





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ALS Vial : 21 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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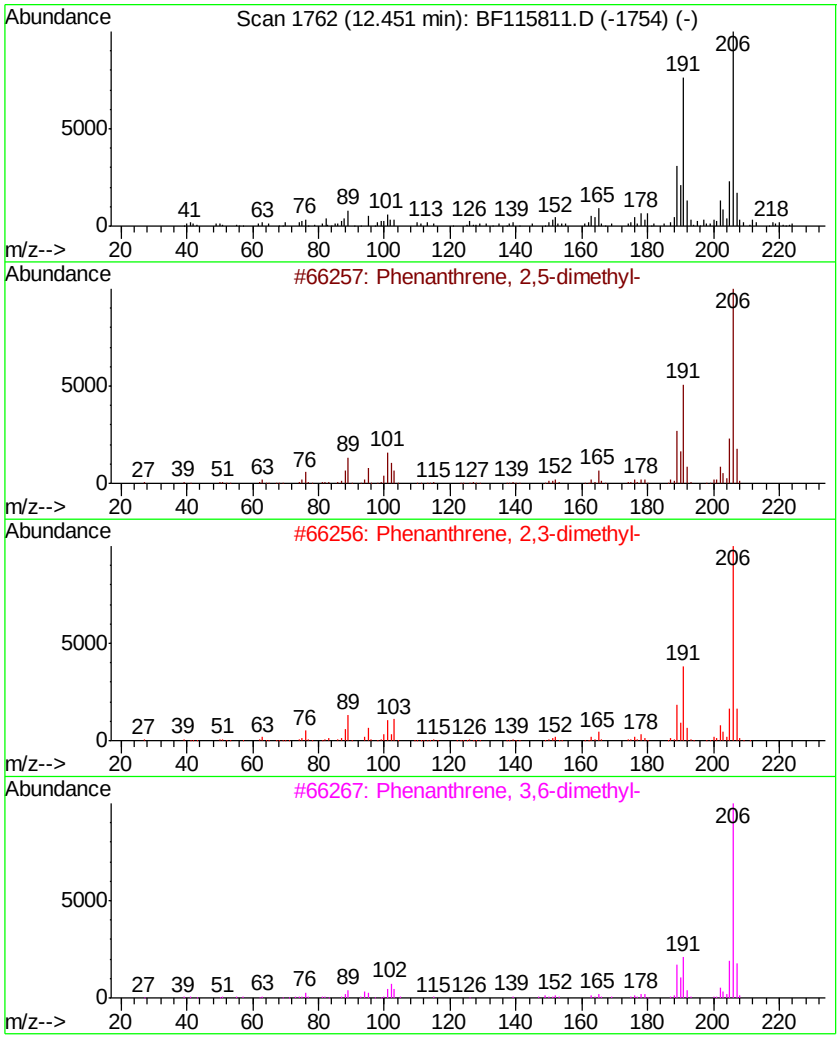
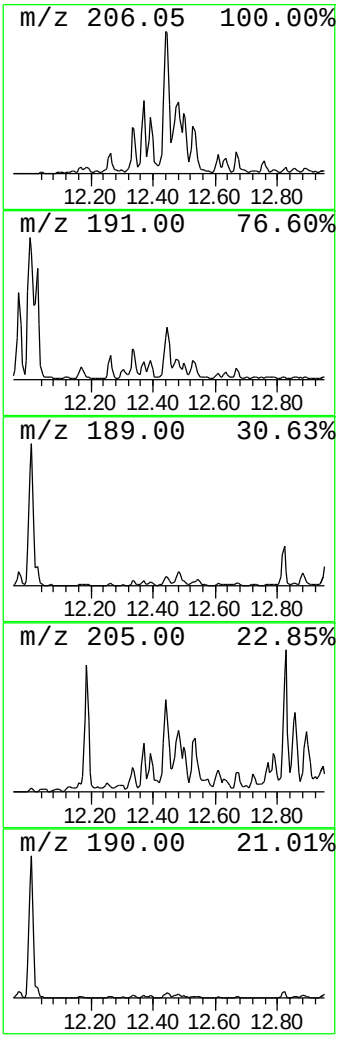
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.92 ng	304266	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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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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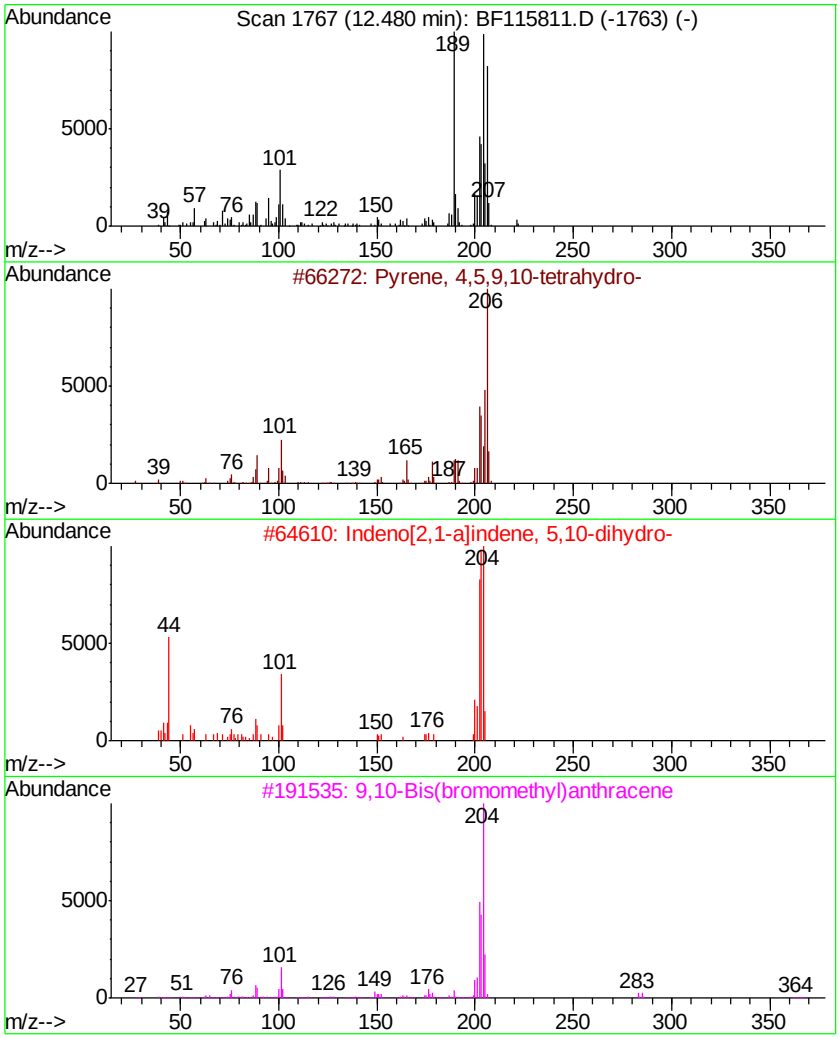
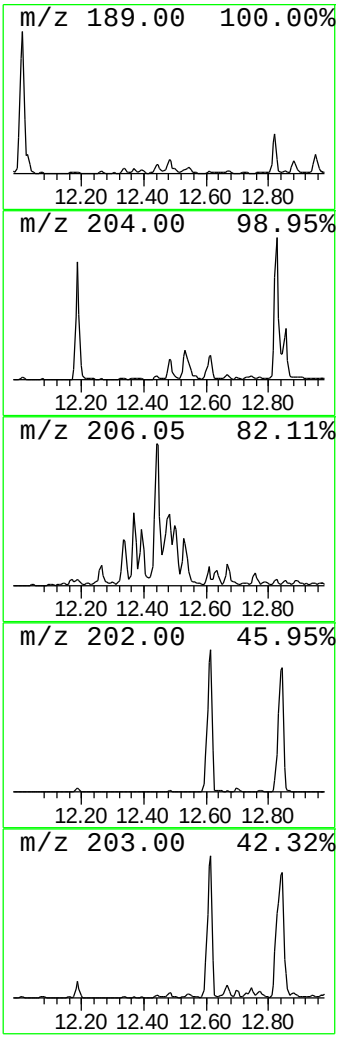
Peak Number 15 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	4.41 ng	226601	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35





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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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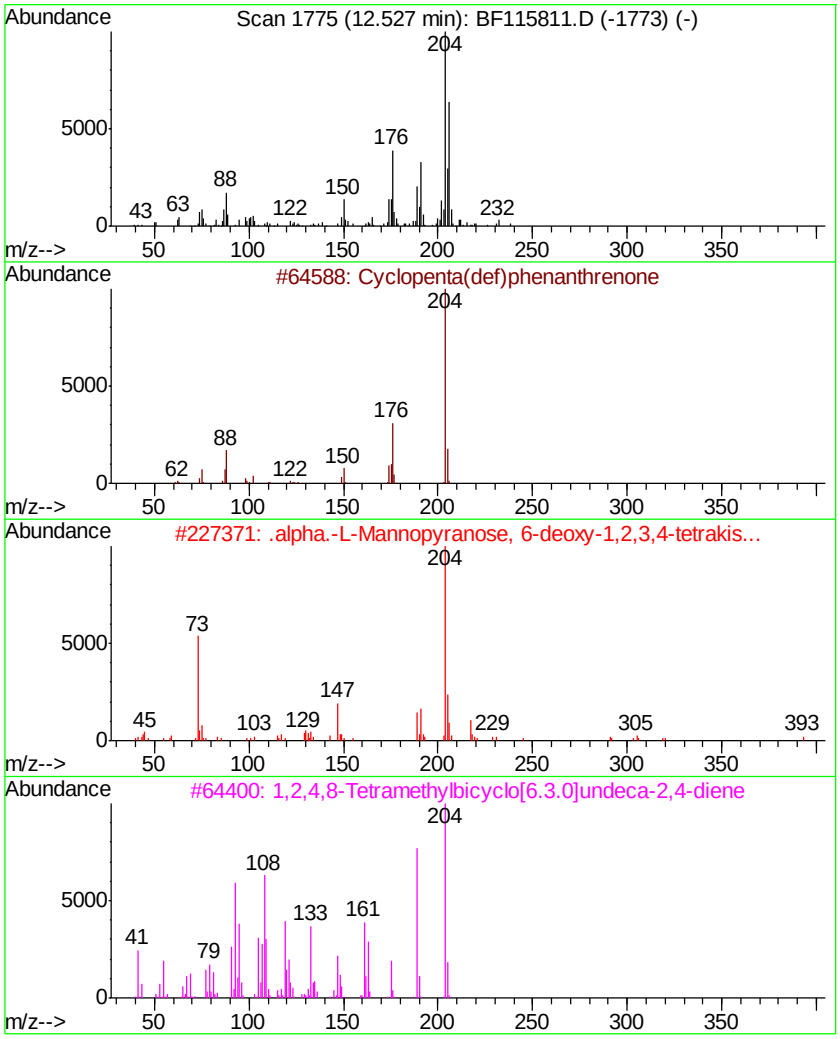
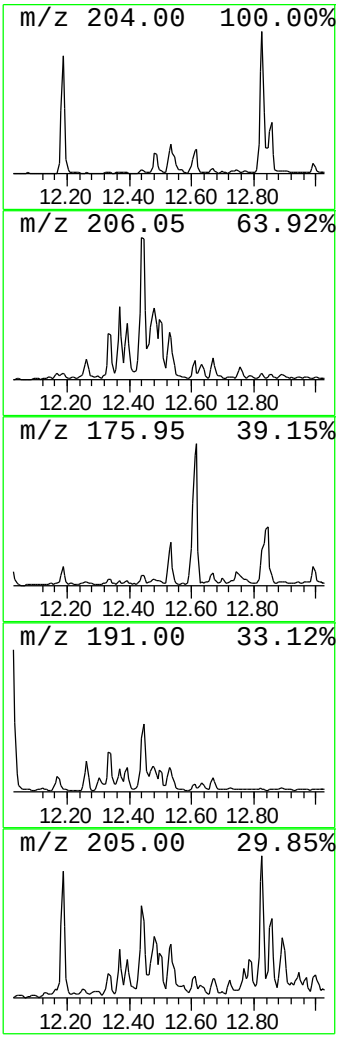
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.97 ng	204215	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43





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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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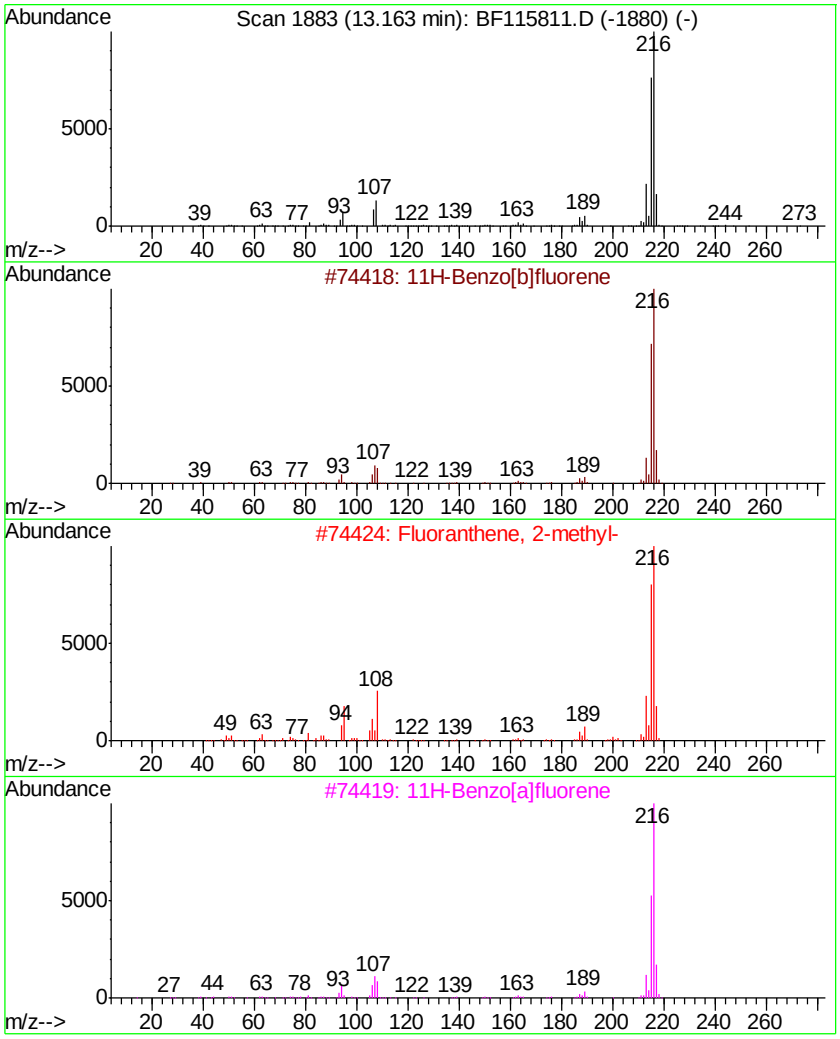
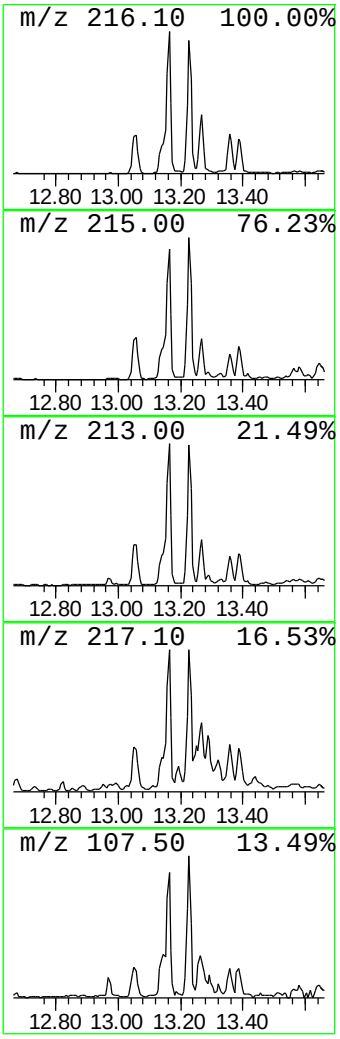
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.31 ng	883402	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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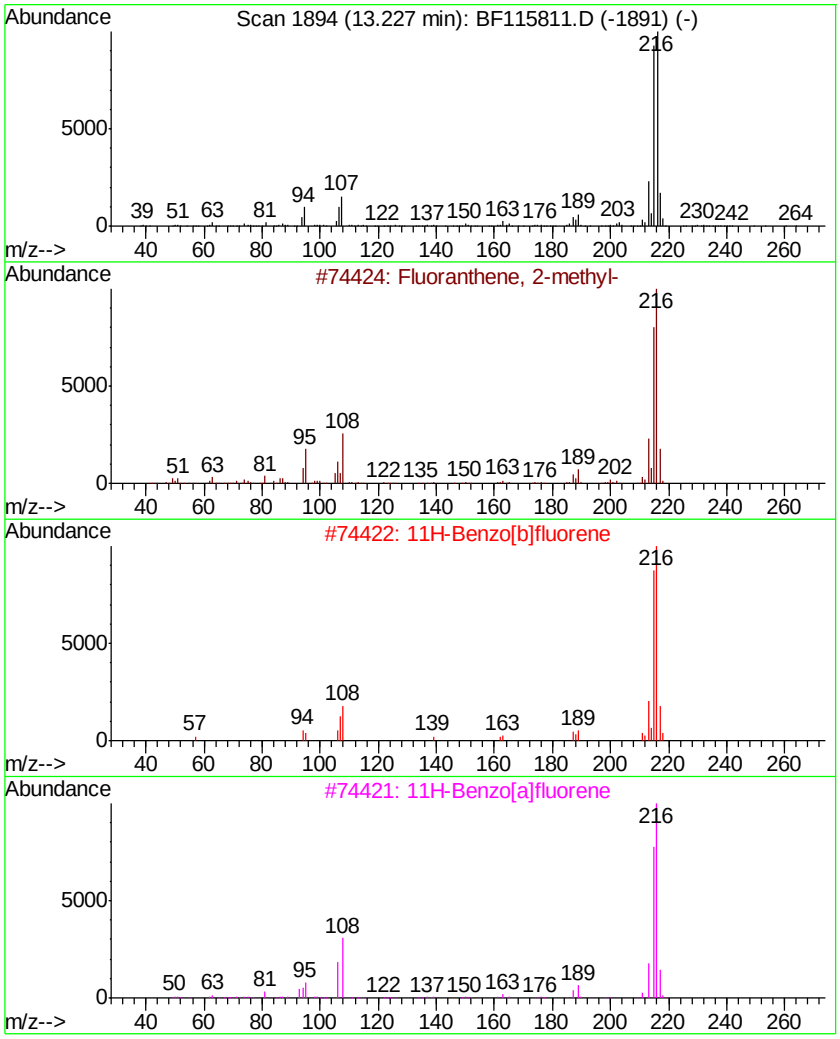
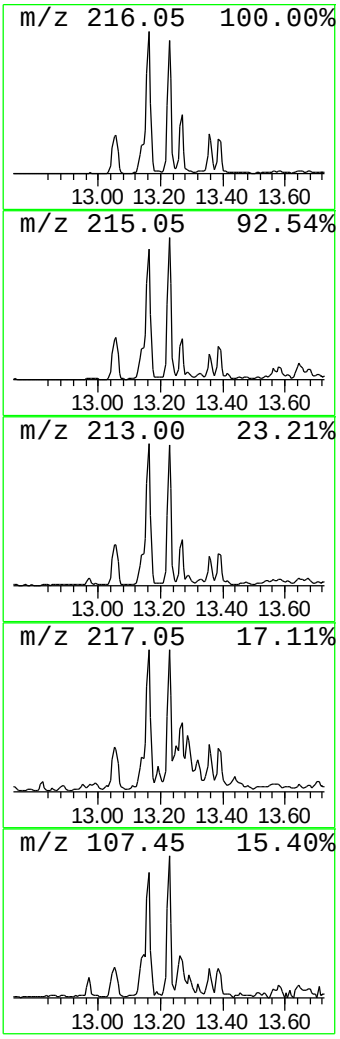
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	4.11 ng	840956	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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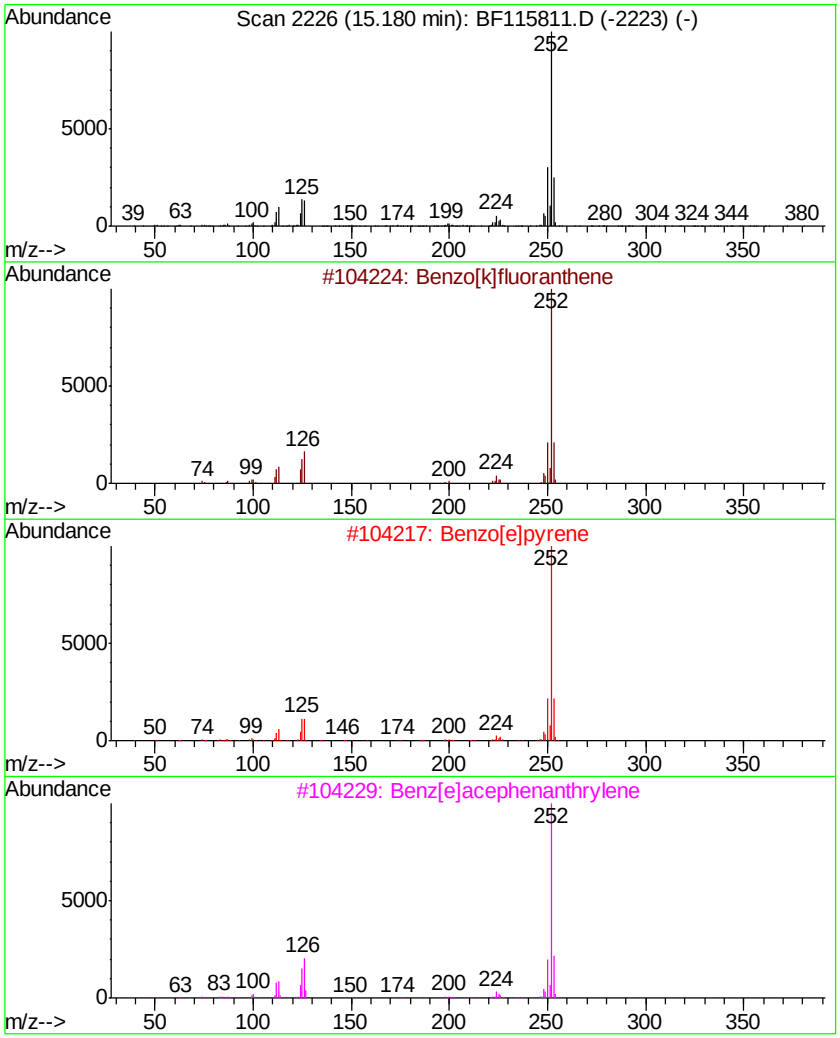
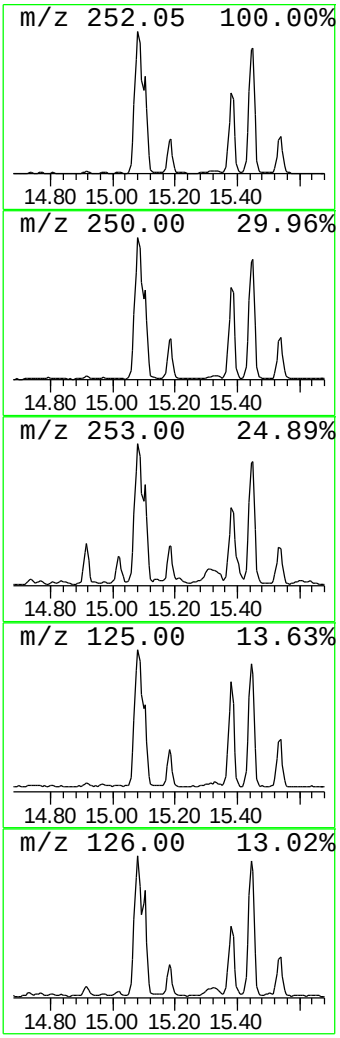
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	9.66 ng	451397	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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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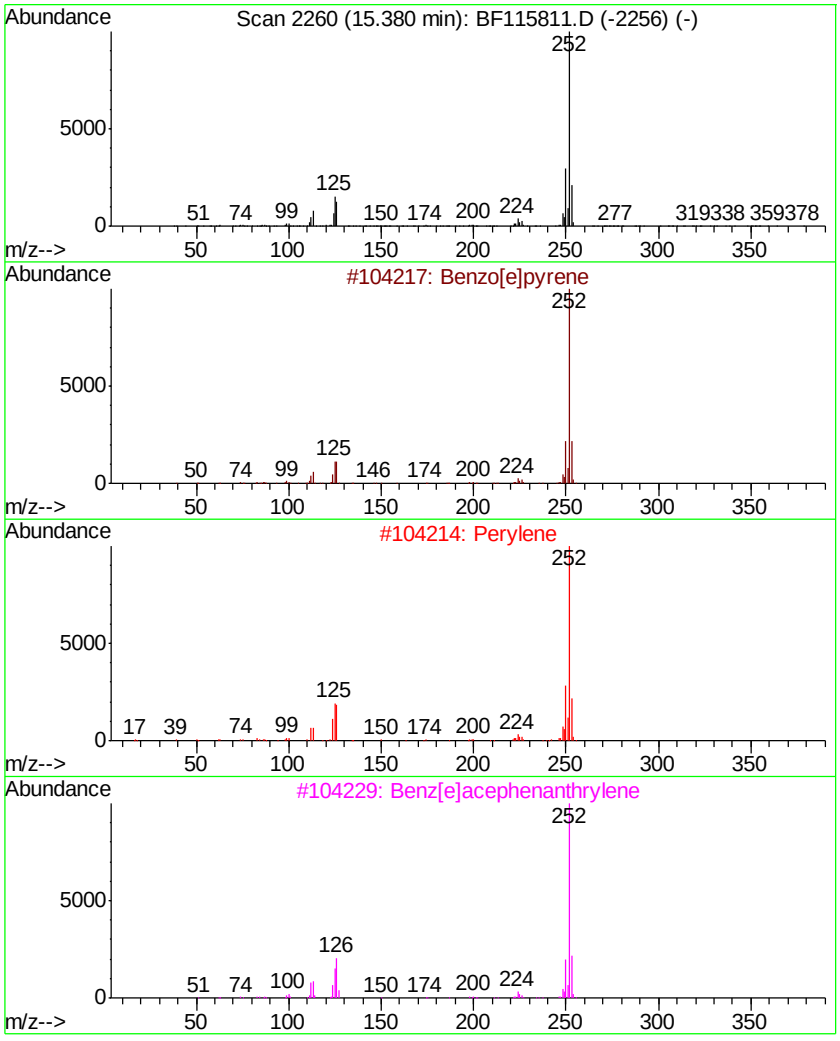
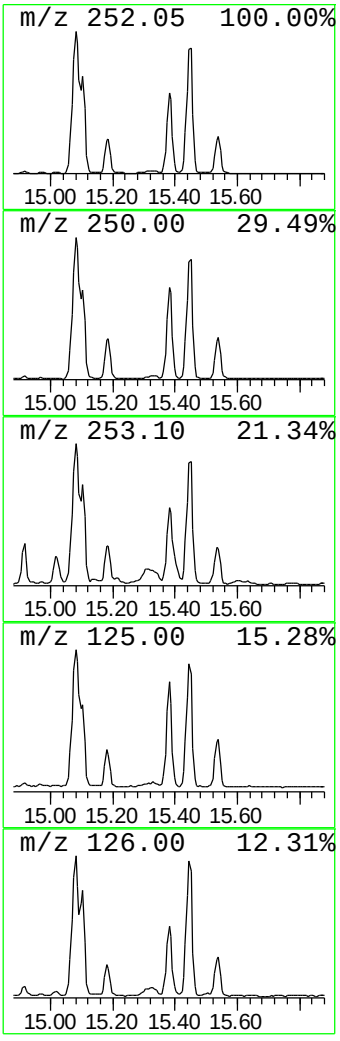
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	29.41 ng	1374350	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
Data File : BF115811.D
Acq On : 27 Jul 2019 2:19
Operator : HP/JU
Sample : K3626-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.13	5.7	ng	228944	1	6.87	797399	20.0
unknown6.64	6.64	16.0	ng	636854	1	6.87	797399	20.0
Naphthalene, 2,6-...	9.49	3.4	ng	196163	3	9.90	1143880	20.0
Naphthalene, 2,3-...	9.56	4.2	ng	240684	3	9.90	1143880	20.0
Dibenzofuran, 4-m...	10.61	3.5	ng	198185	3	9.90	1143880	20.0
9H-Fluorene, 2-me...	11.00	5.1	ng	260289	4	11.39	1028780	20.0
Naphtho[2,1-b]thi...	11.29	6.5	ng	334660	4	11.39	1028780	20.0
Phenanthrene, 1-m...	11.89	9.6	ng	492013	4	11.39	1028780	20.0
Phenanthrene, 2-m...	11.92	12.1	ng	623276	4	11.39	1028780	20.0
Anthracene, 2-met...	11.97	5.5	ng	285606	4	11.39	1028780	20.0
4H-Cyclopenta[def...	12.01	23.3	ng	1197350	4	11.39	1028780	20.0
Naphthalene, 2-ph...	12.19	6.3	ng	324258	4	11.39	1028780	20.0
Phenanthrene, 2,5...	12.45	5.9	ng	304266	4	11.39	1028780	20.0
Pyrene, 4,5,9,10-...	12.48	4.4	ng	226601	4	11.39	1028780	20.0
Cyclopenta(def)ph...	12.53	4.0	ng	204215	4	11.39	1028780	20.0
11H-Benzo[b]fluorene	13.16	4.3	ng	883402	5	14.03	4095880	20.0
Fluoranthene, 2-m...	13.23	4.1	ng	840956	5	14.03	4095880	20.0
Benzo[e]pyrene	15.18	9.7	ng	451397	6	15.50	934499	20.0
Benzo[j]fluoranthene	15.38	29.4	ng	1374350	6	15.50	934499	20.0