LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF116056.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	23	rVB	967204	1055882	29.90%	1.614%
2	5.469	571	575	600	rBV	2281664	2451498	69.41%	3.746%
3	6.481	743	747	766	rBV	2343107	2580909	73.07%	3.944%
4	6.616	766	770	778	rBV	2918316	2609705	73.89%	3.988%
5	6.840	805	808	816	rBV	868141	841288	23.82%	1.286%
6	6.998	831	835	850	rVB	2390412	2198686	62.25%	3.360%
7	7.404	900	904	921	rBV	1713135	1685806	47.73%	2.576%
8	8.122	1022	1026	1048	rVB	1057129	1127200	31.91%	1.723%
9	8.839	1144	1148	1155	rBV2	41714	47207	1.34%	0.072%
10	8.933	1160	1164	1173	rVB2	49334	60613	1.72%	0.093%
11	9.198	1204	1209	1220	rBV	3241558	3045712	86.23%	4.654%
12	9.539	1263	1267	1269	rBV	47341	51943	1.47%	0.079%
13	9.586	1273	1275	1284	rVB	416994	437228	12.38%	0.668%
14	9.739	1297	1301	1308	rVB	152005	135708	3.84%	0.207%
15	9.875	1318	1324	1327	rBV	1229580	1090577	30.88%	1.667%
16	9.910	1327	1330	1336	rVB	213941	211379	5.98%	0.323%
17	10.080	1355	1359	1363	rBV2	110782	115810	3.28%	0.177%
18	10.122	1363	1366	1370	rVB2	30959	36274	1.03%	0.055%
19	10.422	1414	1417	1423	rVB	167220	166052	4.70%	0.254%
20	10.492	1423	1429	1430	rBV	32732	46603	1.32%	0.071%
21	10.580	1441	1444	1447	rVB	62445	58283	1.65%	0.089%
22	10.663	1454	1458	1469	rBV	1379356	1414623	40.05%	2.162%
23	10.792	1475	1480	1486	rVB4	46197	86328	2.44%	0.132%
24	10.975	1505	1511	1513	rBV3	57230	79831	2.26%	0.122%
25	11.098	1527	1532	1534	rBV3	43321	53130	1.50%	0.081%
26	11.122	1534	1536	1542	rVV2	52602	64257	1.82%	0.098%
27	11.175	1542	1545	1548	rVV	114151	112262	3.18%	0.172%
28	11.222	1548	1553	1556	rVV3	68162	102017	2.89%	0.156%
29	11.257	1556	1559	1565	rVB	145588	140137	3.97%	0.214%
30	11.363	1573	1577	1579	rBV	1022023	1008014	28.54%	1.540%
31	11.386	1579	1581	1584	rVV	2350159	1873990	53.06%	2.864%
32	11.439	1587	1590	1593	rVV	503566	466628	13.21%	0.713%
33	11.475	1593	1596	1602	rVB	114607	152725	4.32%	0.233%
34	11.592	1610	1616	1620	rBV2	296955	358245	10.14%	0.547%

LSC Area Percent Report

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Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.651	1624	1626	1631	rVV3	74289	92784	2.63%	0.142%
36	11.698	1631	1634	1639	rVB2	43634	70527	2.00%	0.108%
37	11.863	1658	1662	1664	rBV	286952	266823	7.55%	0.408%
38	11.892	1664	1667	1673	rVV2	640469	697711	19.75%	1.066%
39	11.939	1673	1675	1678	rVV	138437	122093	3.46%	0.187%
40	11.974	1678	1681	1684	rVV2	423016	490769	13.90%	0.750%
41	11.998	1684	1685	1690	rVB	212863	141924	4.02%	0.217%
42	12.045	1690	1693	1696	rBV2	49842	76609	2.17%	0.117%
43	12.157	1709	1712	1715	rVV	224333	197391	5.59%	0.302%
44	12.192	1715	1718	1722	rVB	285119	270864	7.67%	0.414%
45	12.304	1733	1737	1741	rBV2	81465	109913	3.11%	0.168%
46	12.339	1741	1743	1745	rVV	79643	59193	1.68%	0.090%
47	12.363	1745	1747	1750	rVB	58085	47732	1.35%	0.073%
48	12.410	1752	1755	1758	rBV	186044	206283	5.84%	0.315%
49	12.451	1758	1762	1764	rVV2	138870	176809	5.01%	0.270%
50	12.504	1768	1771	1775	rVV2	230109	238338	6.75%	0.364%
51	12.580	1780	1784	1787	rBV	3495891	3221274	91.20%	4.923%
52	12.639	1792	1794	1797	rVB	88069	69602	1.97%	0.106%
53	12.669	1797	1799	1803	rBV2	271124	299601	8.48%	0.458%
54	12.727	1805	1809	1812	rVV3	133295	170144	4.82%	0.260%
55	12.810	1816	1823	1826	rBV	3092219	3531953	100.00%	5.397%
56	12.857	1828	1831	1834	rBV2	130331	141035	3.99%	0.216%
57	12.945	1839	1846	1848	rBV	2420901	2452183	69.43%	3.747%
58	12.969	1848	1850	1854	rVB	248222	233188	6.60%	0.356%
59	13.021	1855	1859	1863	rBV3	207862	351088	9.94%	0.537%
60	13.057	1863	1865	1867	rVB	81280	57192	1.62%	0.087%
61	13.116	1871	1875	1876	rBV2	227686	297444	8.42%	0.455%
62	13.133	1876	1878	1881	rVB	407216	338780	9.59%	0.518%
63	13.169	1881	1884	1887	rBV4	73702	104945	2.97%	0.160%
64	13.198	1887	1889	1892	rBV	182732	163995	4.64%	0.251%
65	13.239	1892	1896	1898	rBV2	313920	307148	8.70%	0.469%
66	13.292	1903	1905	1908	rVB2	65377	55264	1.56%	0.084%
67	13.333	1909	1912	1914	rBV	192161	167865	4.75%	0.257%
68	13.363	1914	1917	1920	rBV	215430	194210	5.50%	0.297%
69	13.510	1940	1942	1944	rBV2	74898	77575	2.20%	0.119%
70	13.557	1948	1950	1953	rVB3	93545	84239	2.39%	0.129%
71	13.645	1962	1965	1970	rVB	456975	404762	11.46%	0.619%

LSC Area Percent Report

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Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.751	1980	1983	1986	rBV	496745	535816	15.17%	0.819%
73	13.780	1986	1988	1990	rVV	290106	237699	6.73%	0.363%
74	13.804	1990	1992	1997	rVV2	270911	419166	11.87%	0.641%
75	13.857	1997	2001	2004	rVB	528680	554024	15.69%	0.847%
76	13.921	2010	2012	2015	rVB	102037	72145	2.04%	0.110%
77	13.974	2018	2021	2022	rVV	719790	638964	18.09%	0.976%
78	13.998	2022	2025	2029	rVV2	1977635	3152224	89.25%	4.817%
79	14.033	2029	2031	2034	rVB	2137030	1707770	48.35%	2.610%
80	14.110	2039	2044	2047	rBV2	297834	336102	9.52%	0.514%
81	14.157	2049	2052	2055	rVV3	172299	215832	6.11%	0.330%
82	14.198	2057	2059	2061	rVV	151890	121239	3.43%	0.185%
83	14.233	2061	2065	2068	rVB2	235754	295211	8.36%	0.451%
84	14.357	2083	2086	2088	rBV2	194742	207069	5.86%	0.316%
85	14.392	2089	2092	2095	rVB	372061	322409	9.13%	0.493%
86	14.427	2095	2098	2099	rBV	158529	153518	4.35%	0.235%
87	14.486	2106	2108	2111	rVB	118885	101799	2.88%	0.156%
88	14.515	2111	2113	2115	rBV	182415	172565	4.89%	0.264%
89	14.710	2144	2146	2153	rBV3	169102	247089	7.00%	0.378%
90	14.892	2173	2177	2183	rBV2	266466	423538	11.99%	0.647%
91	15.057	2199	2205	2207	rBV	2170850	3321737	94.05%	5.076%
92	15.157	2218	2222	2233	rVB	443707	693807	19.64%	1.060%
93	15.357	2251	2256	2262	rVB	1287071	1770746	50.14%	2.706%
94	15.421	2262	2267	2271	rVV	1566938	2018571	57.15%	3.085%
95	15.474	2272	2276	2279	rVV	774832	992021	28.09%	1.516%
96	15.510	2279	2282	2288	rVB2	471629	649450	18.39%	0.992%
97	15.904	2345	2349	2355	rVB2	244161	405291	11.47%	0.619%
98	16.956	2520	2528	2536	rBV	820713	1732434	49.05%	2.647%
99	17.398	2596	2603	2613	rVB	629750	1296875	36.72%	1.982%
100	17.703	2651	2655	2663	rVB	329202	686749	19.44%	1.049%

Sum of corrected areas: 65437660

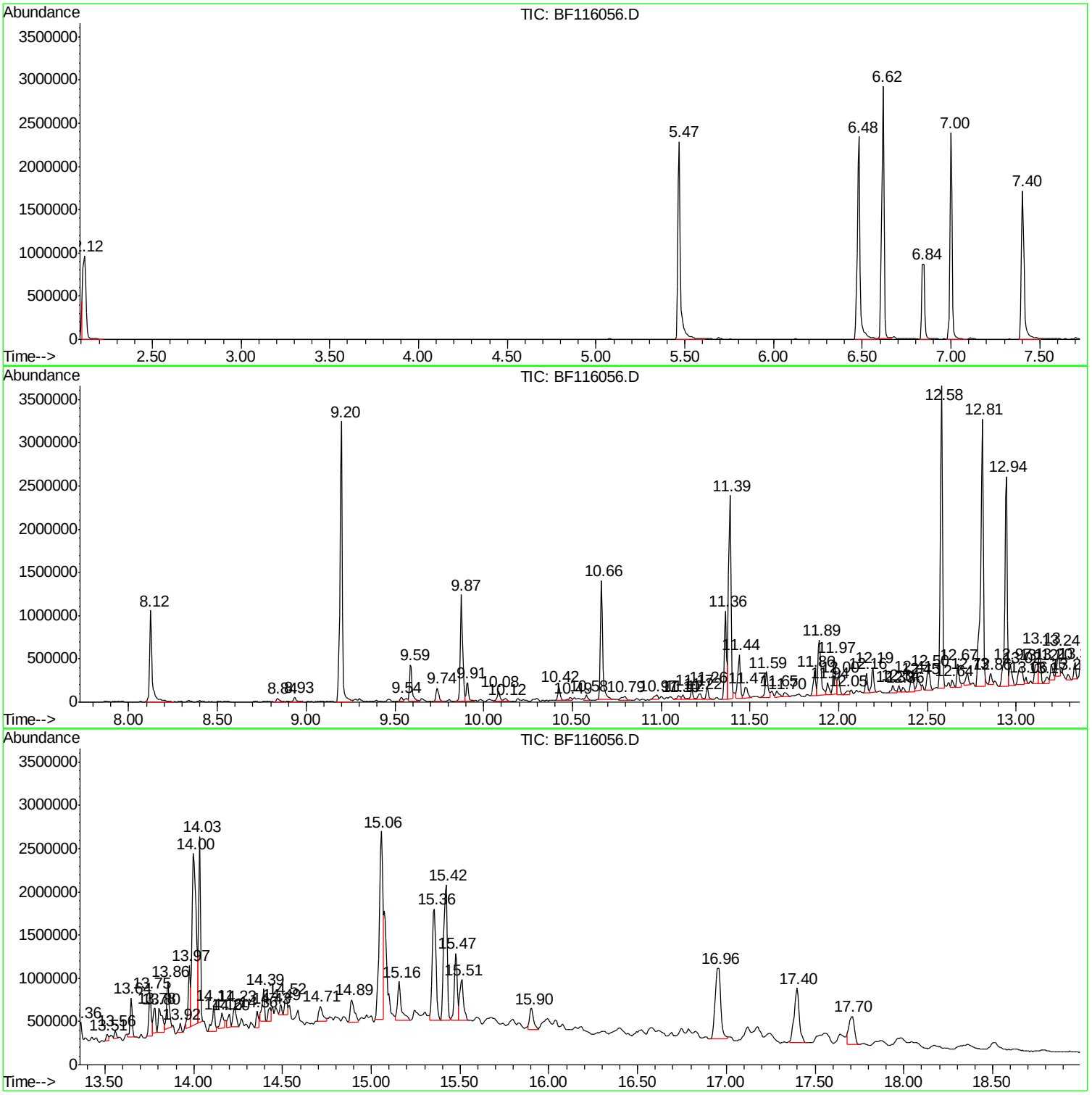
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080719\
Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

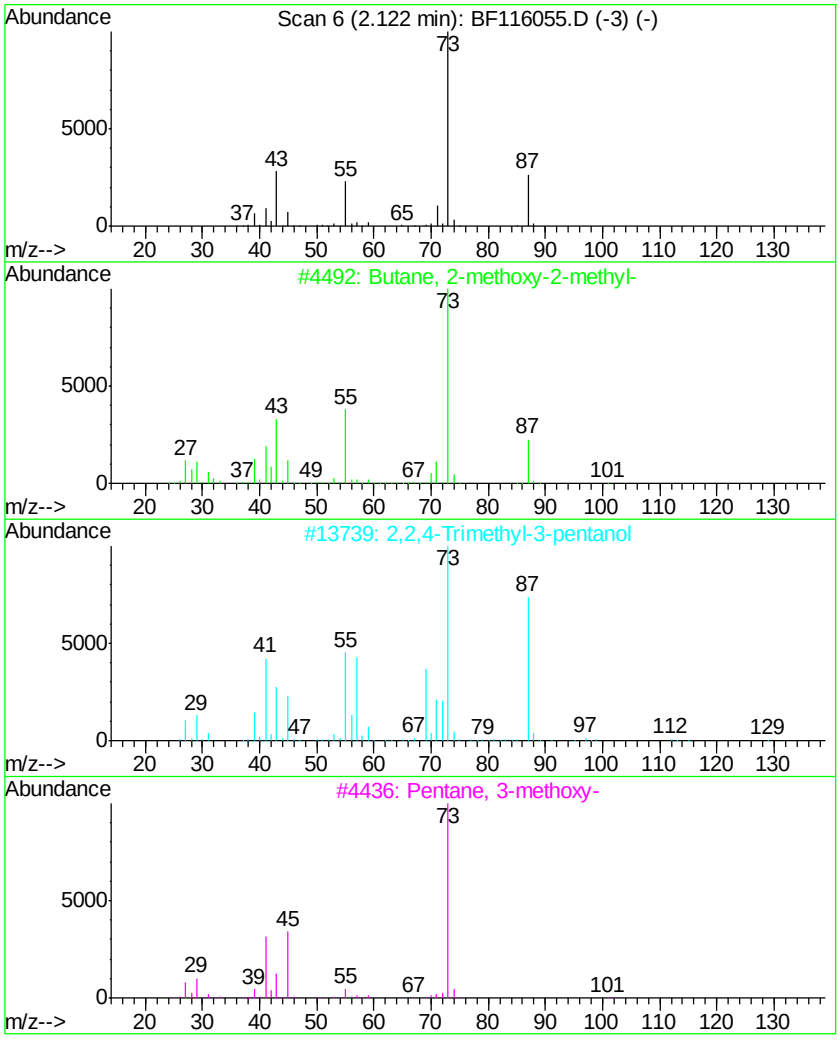
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

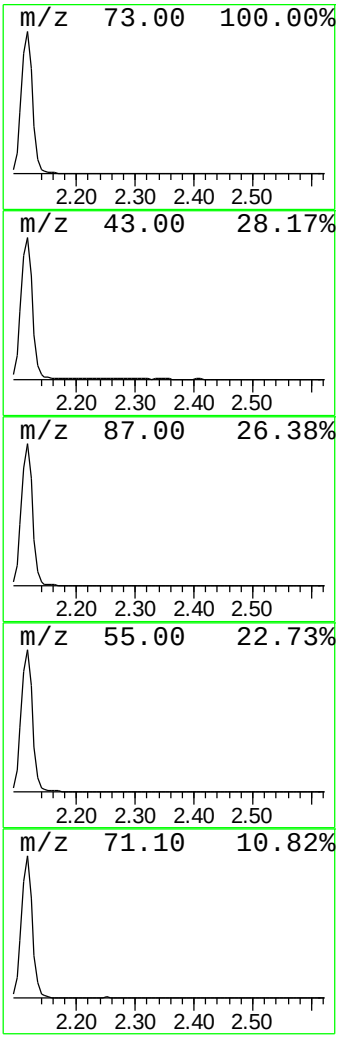
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	25.10 ng	1055880	1,4-Dichlorobenzene-d4	6.85

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	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

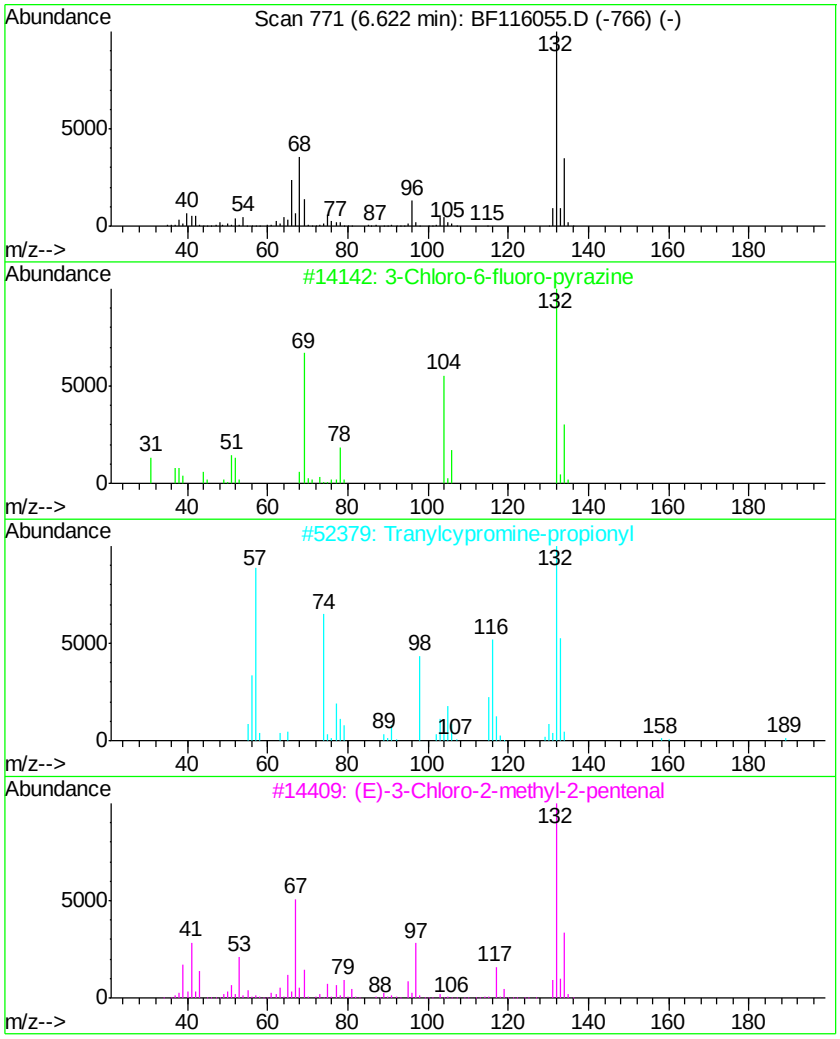
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

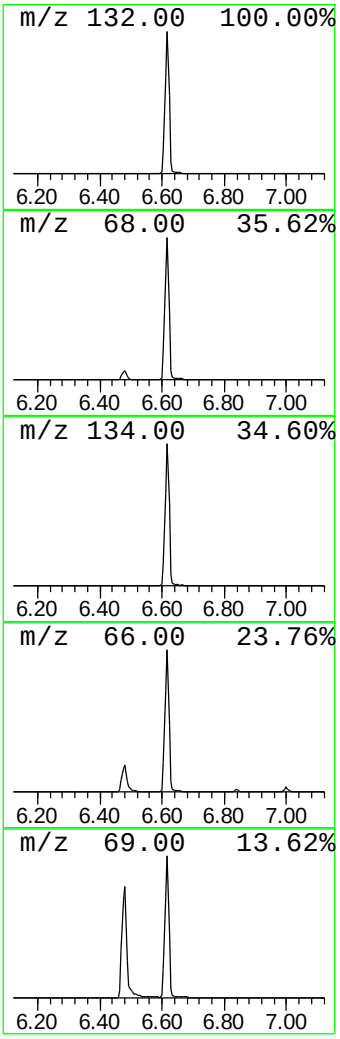
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	62.04 ng	2609710	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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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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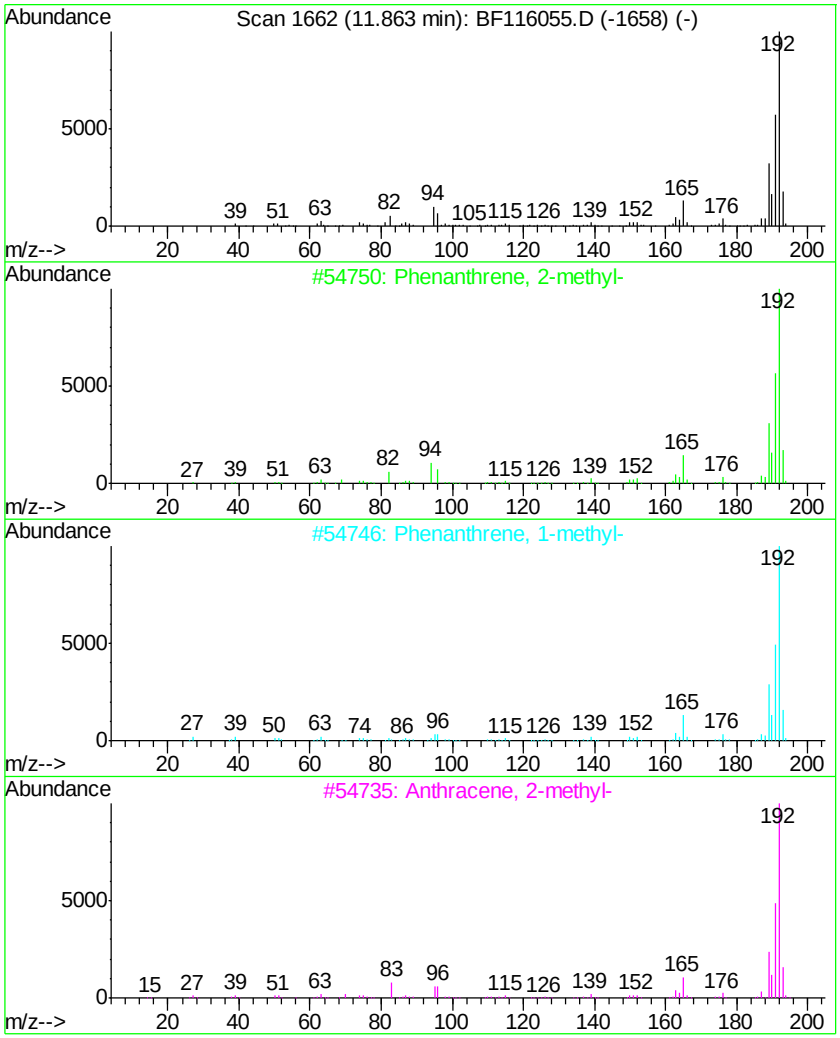
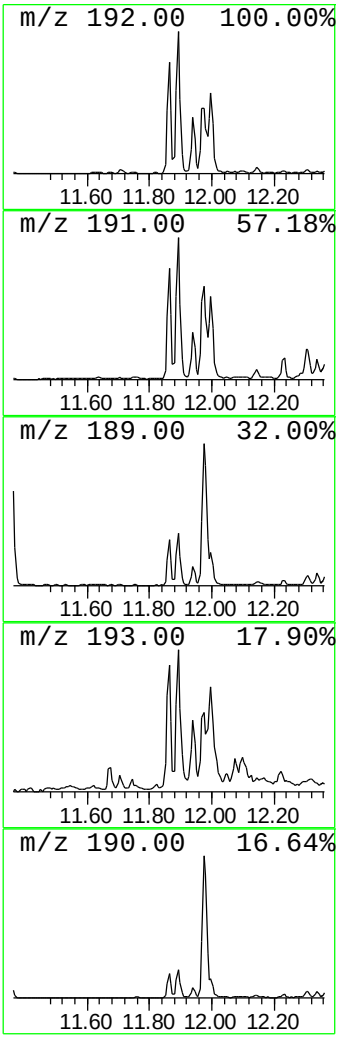
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.29 ng	266823	Phenanthrene-d10	11.36

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

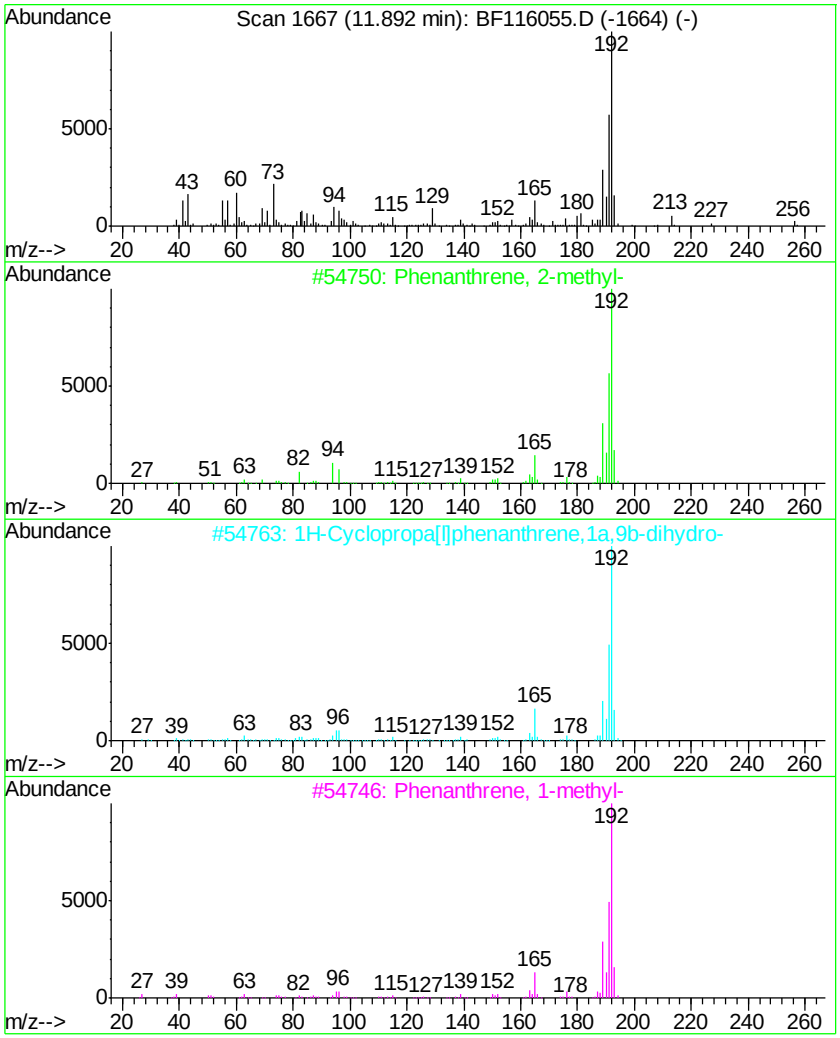
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

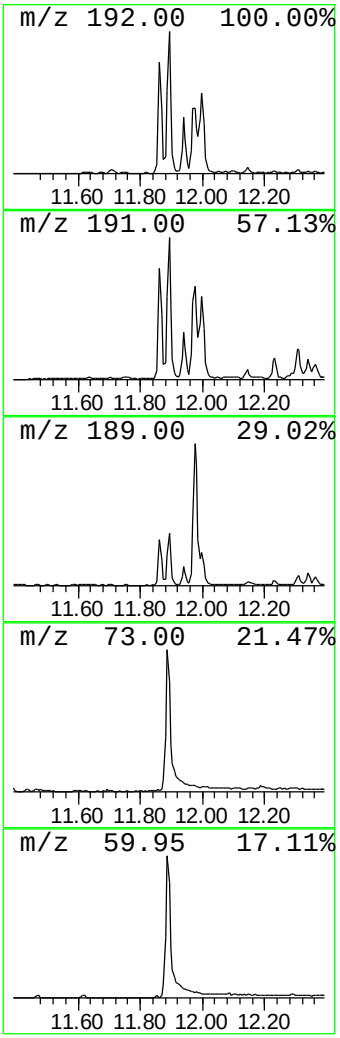
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	13.84 ng	697711	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

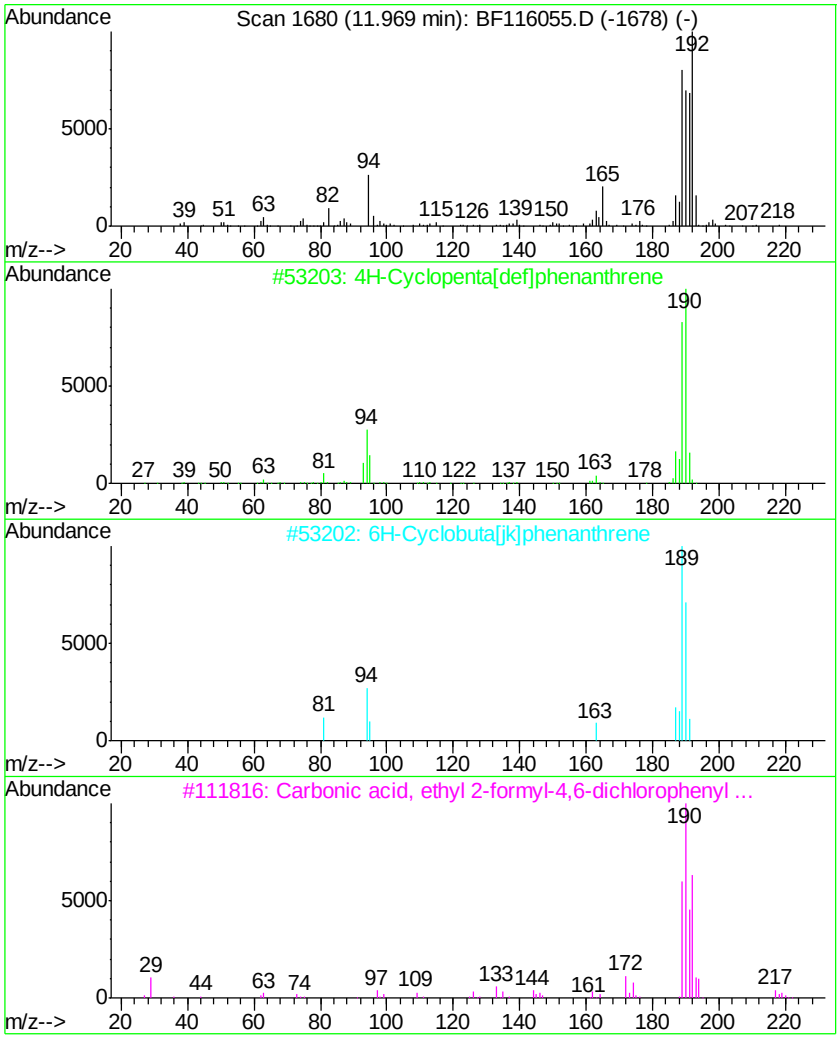
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

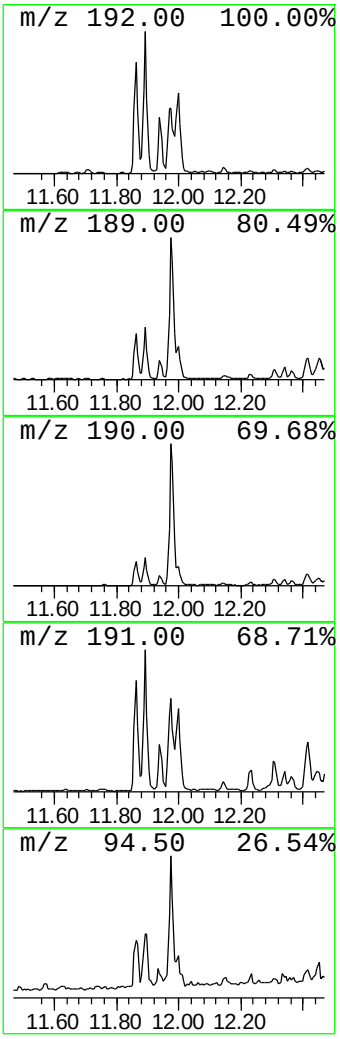
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.74 ng	490769	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





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Sample : K4192-04
Misc :
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ClientSampleId : TRIPLE-BARREL-BC-EAST

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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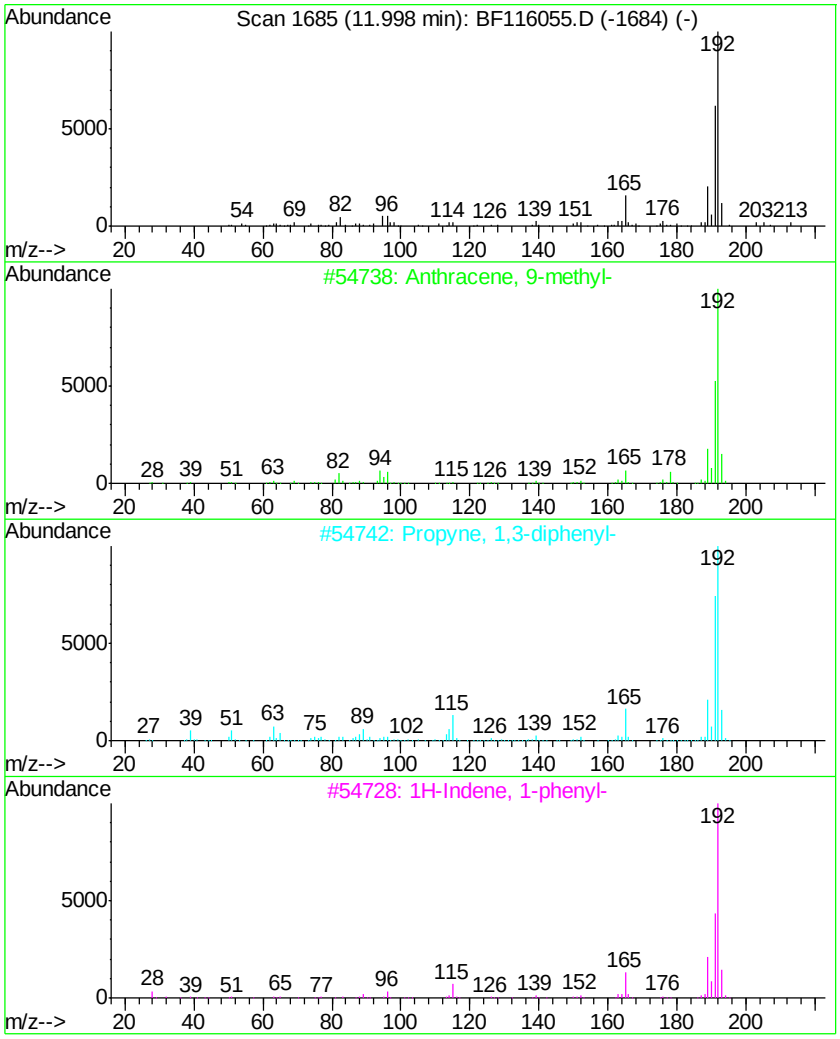
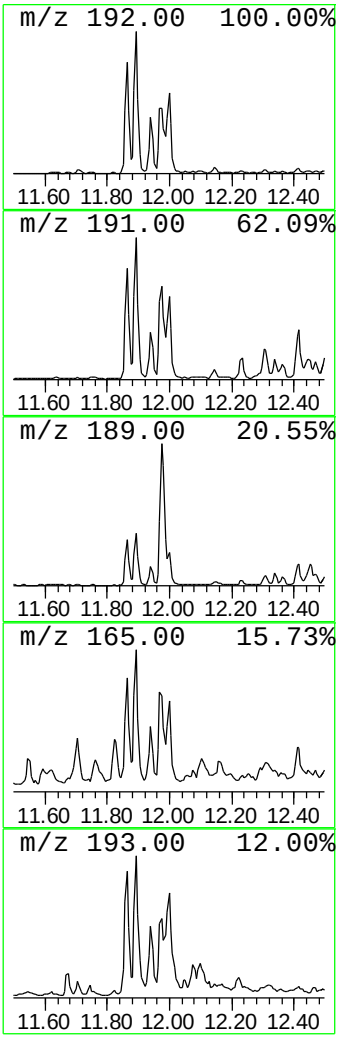
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.82 ng	141924	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68





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ClientSampleId : TRIPLE-BARREL-BC-EAST

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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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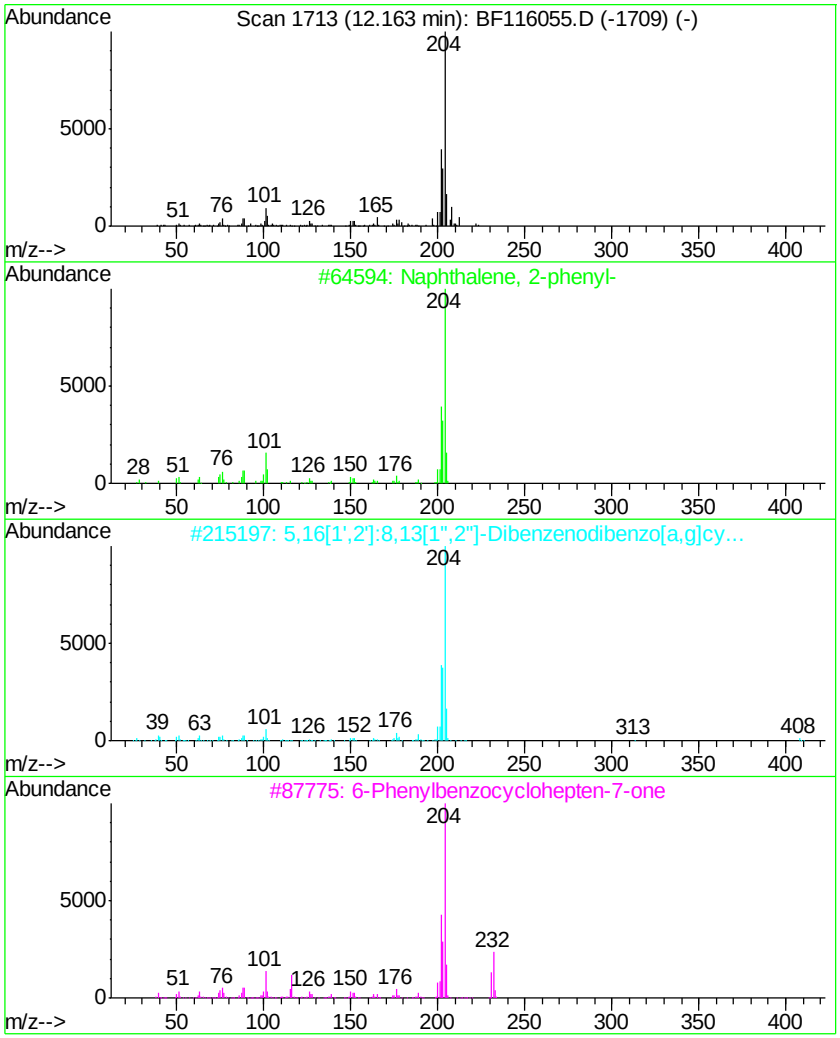
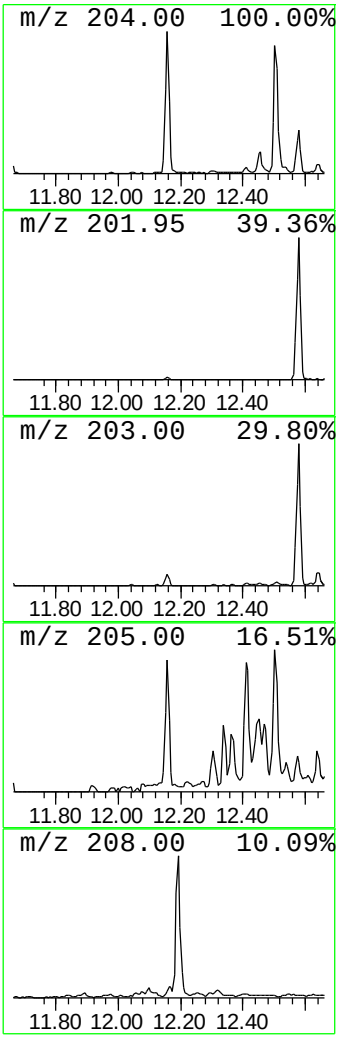
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.92 ng	197391	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	46





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ClientSampleId : TRIPLE-BARREL-BC-EAST

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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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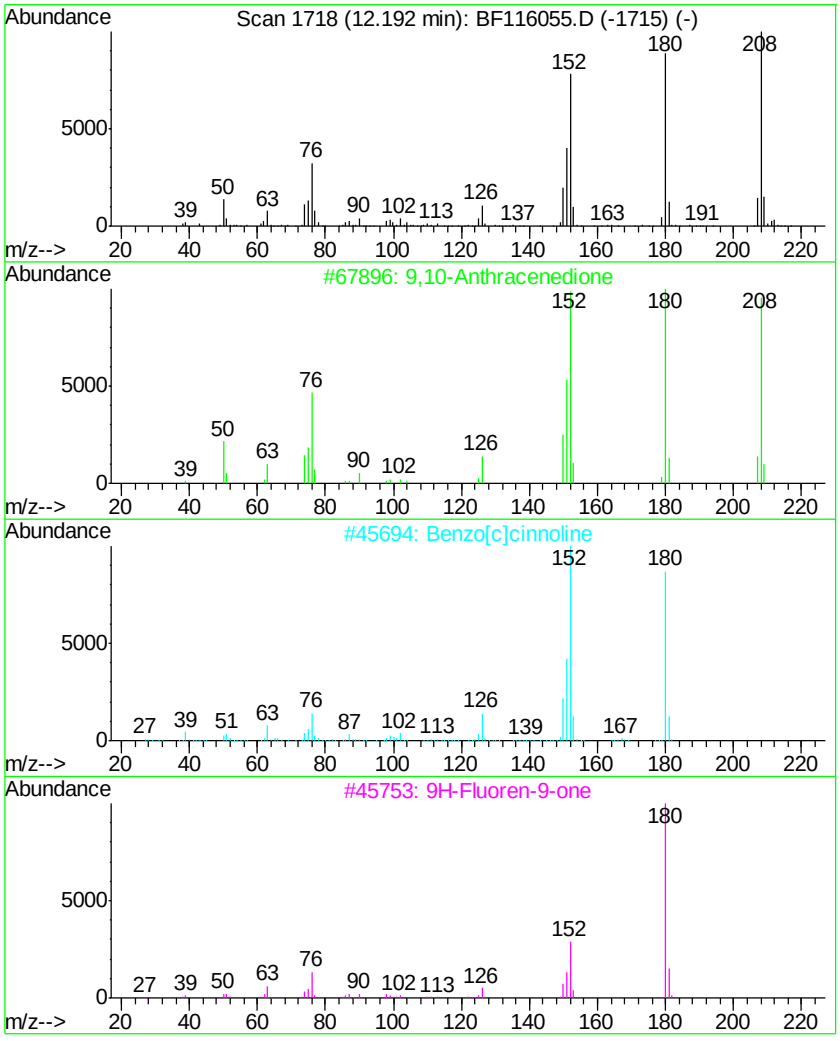
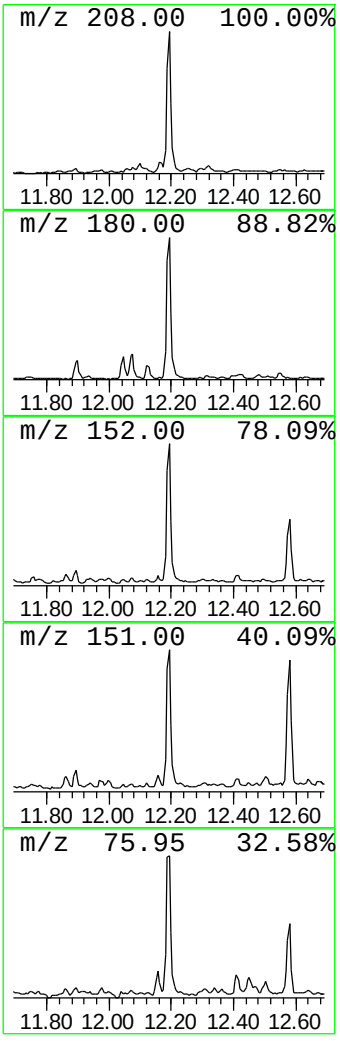
Peak Number 9 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	5.37 ng	270864	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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ClientSampleId : TRIPLE-BARREL-BC-EAST

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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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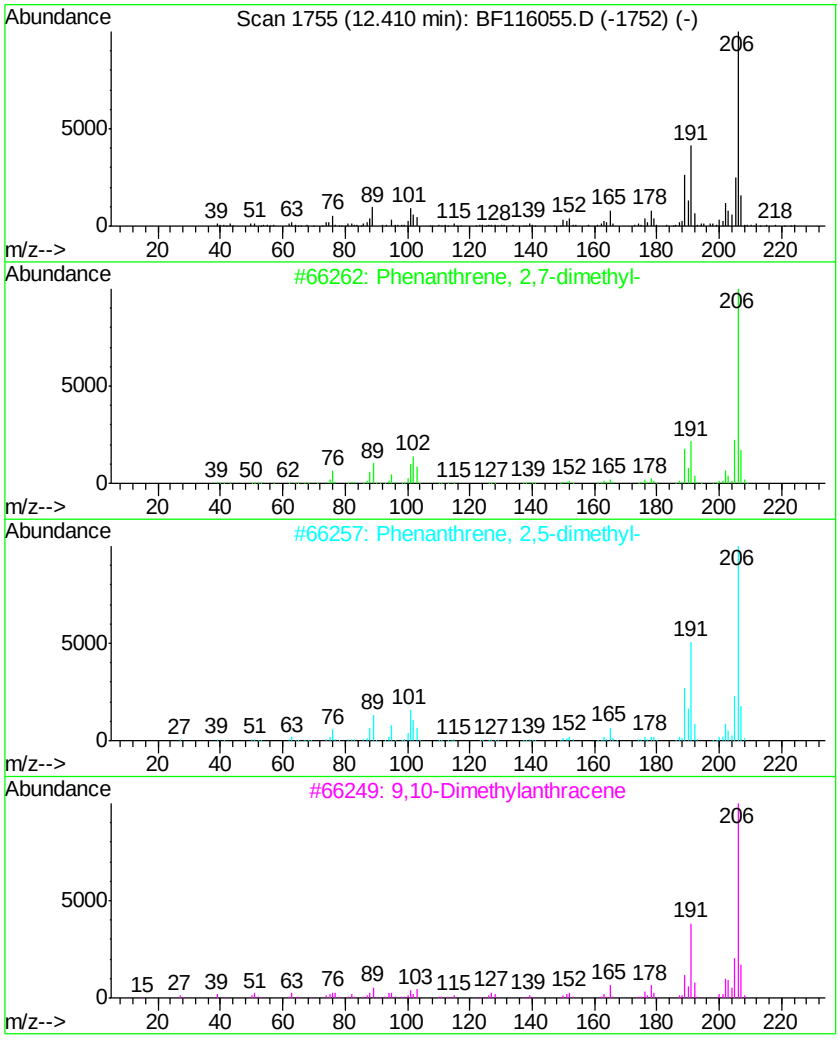
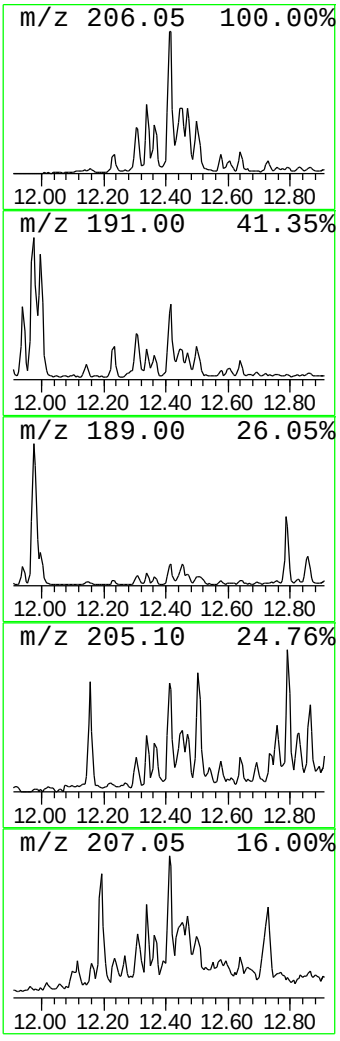
Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.09 ng	206283	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	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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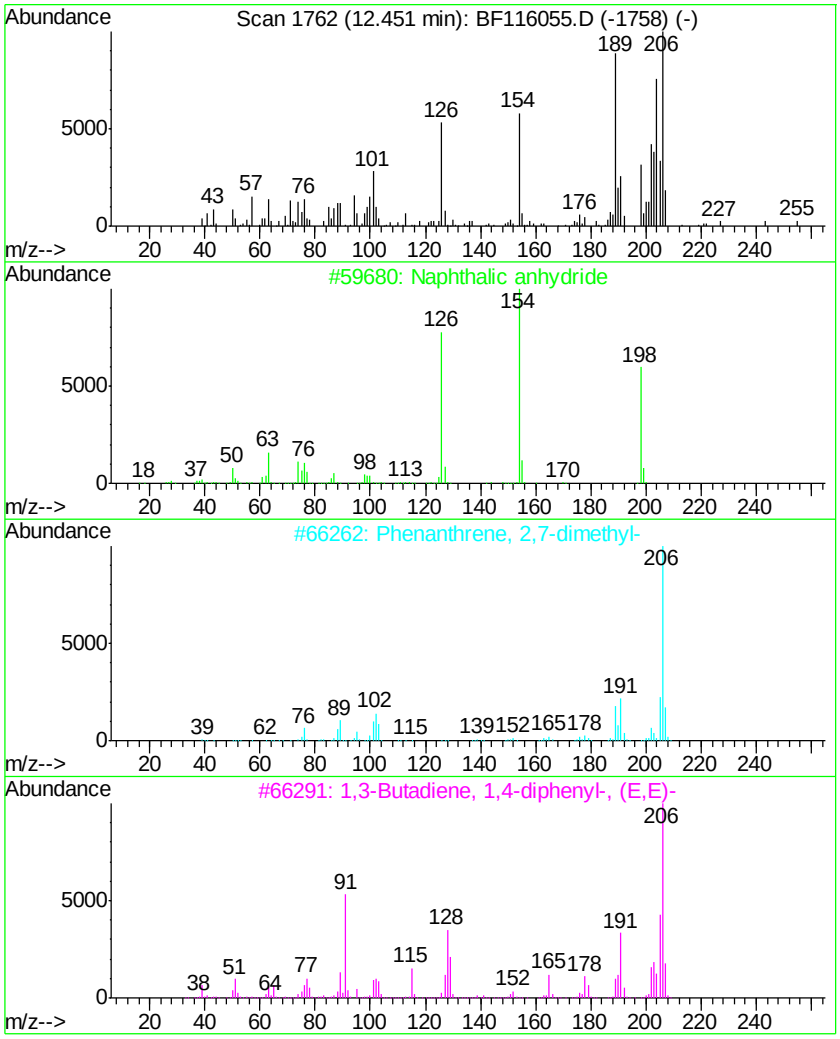
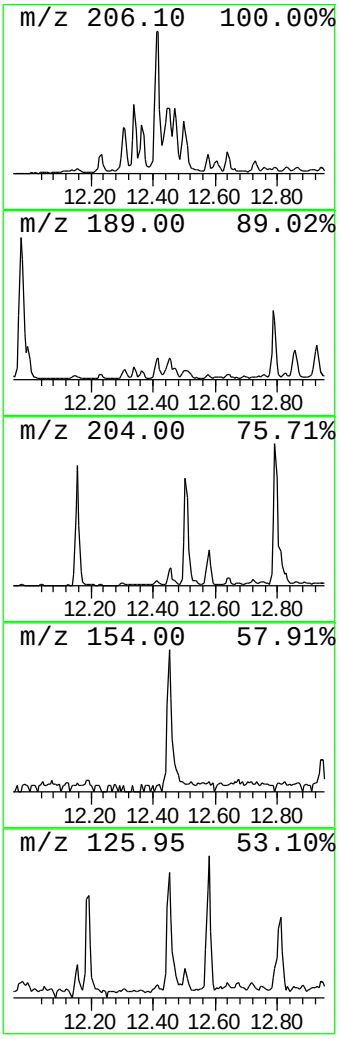
Peak Number 11 Naphthalic anhydride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.51 ng	176809	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	53
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	35
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	25
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	22





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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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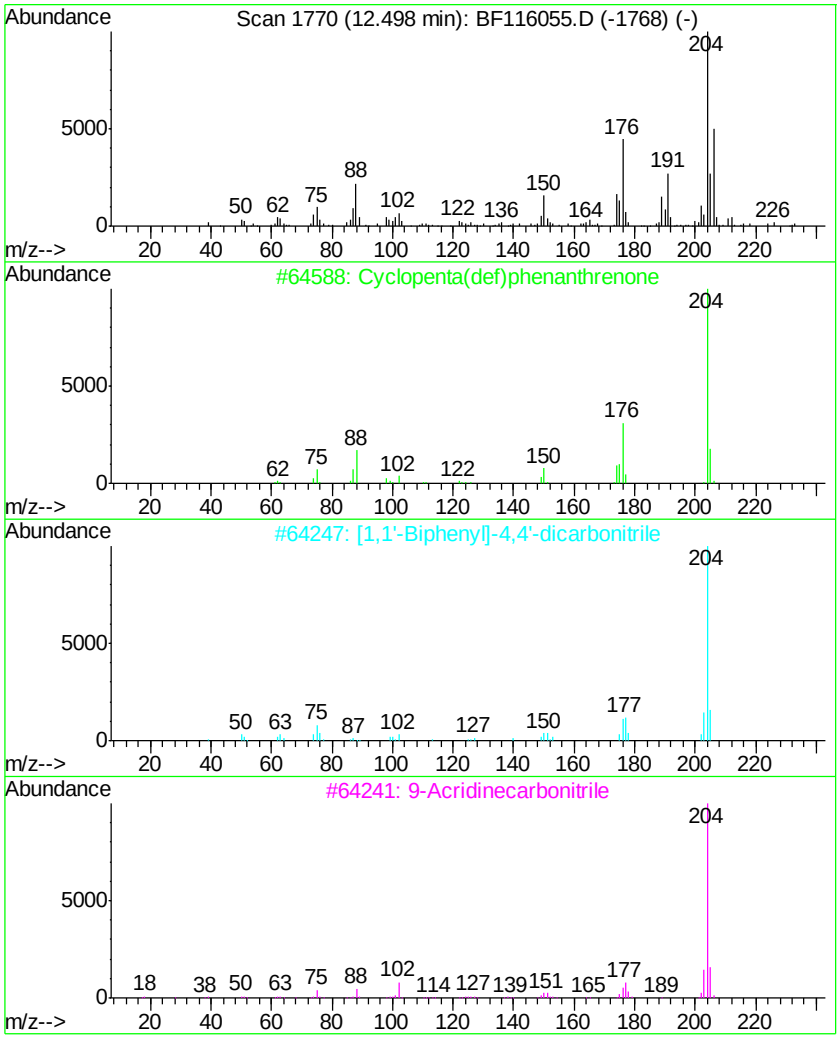
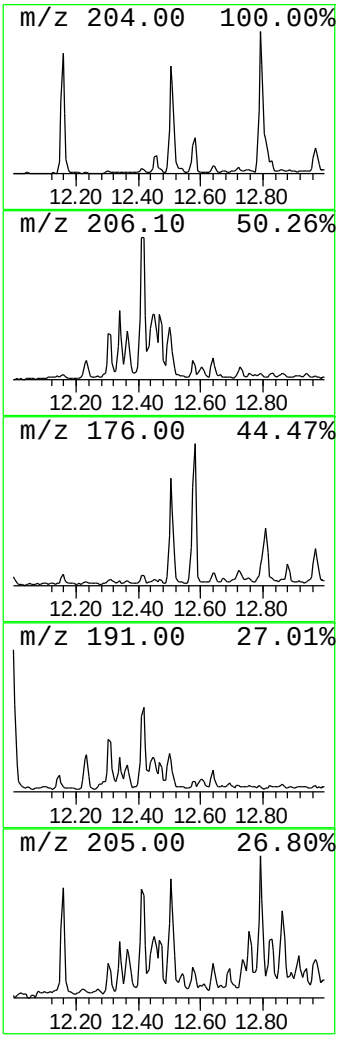
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.73 ng	238338	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	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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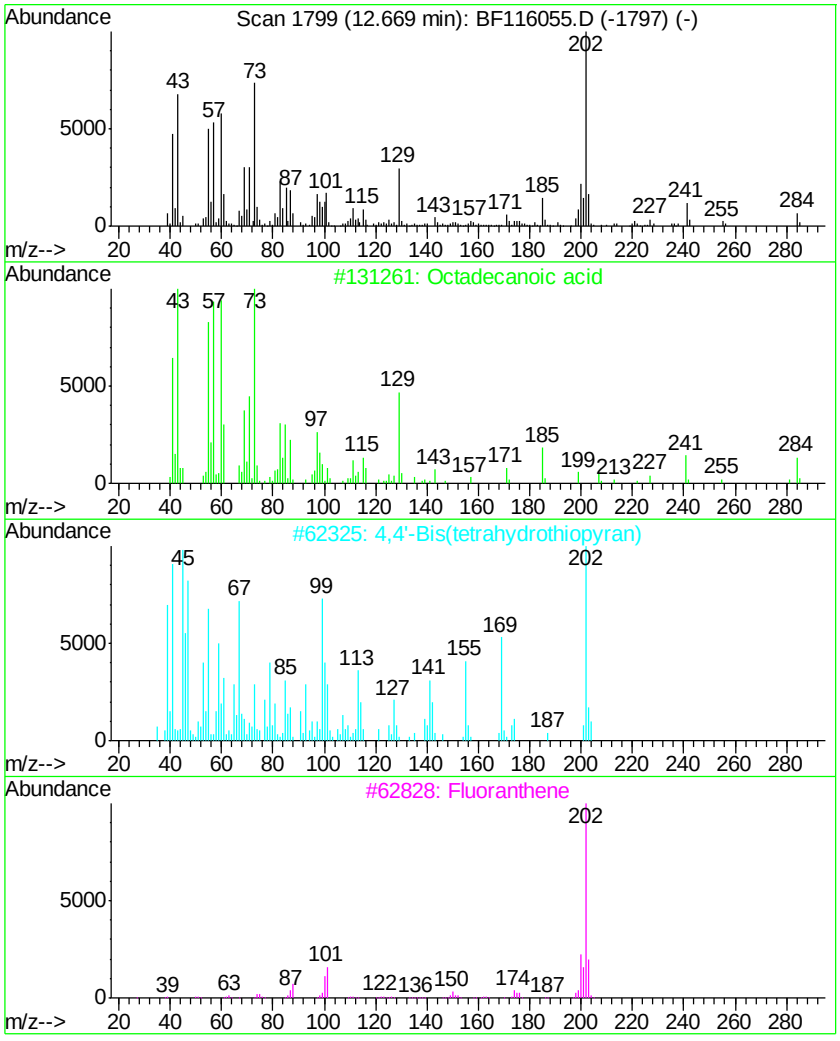
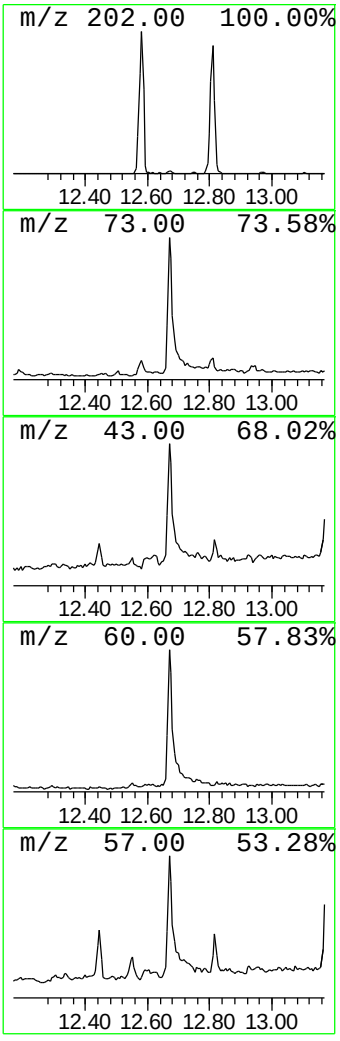
Peak Number 13 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	5.94 ng	299601	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	94
3	Fluoranthene	202	C16H10	000206-44-0	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	55





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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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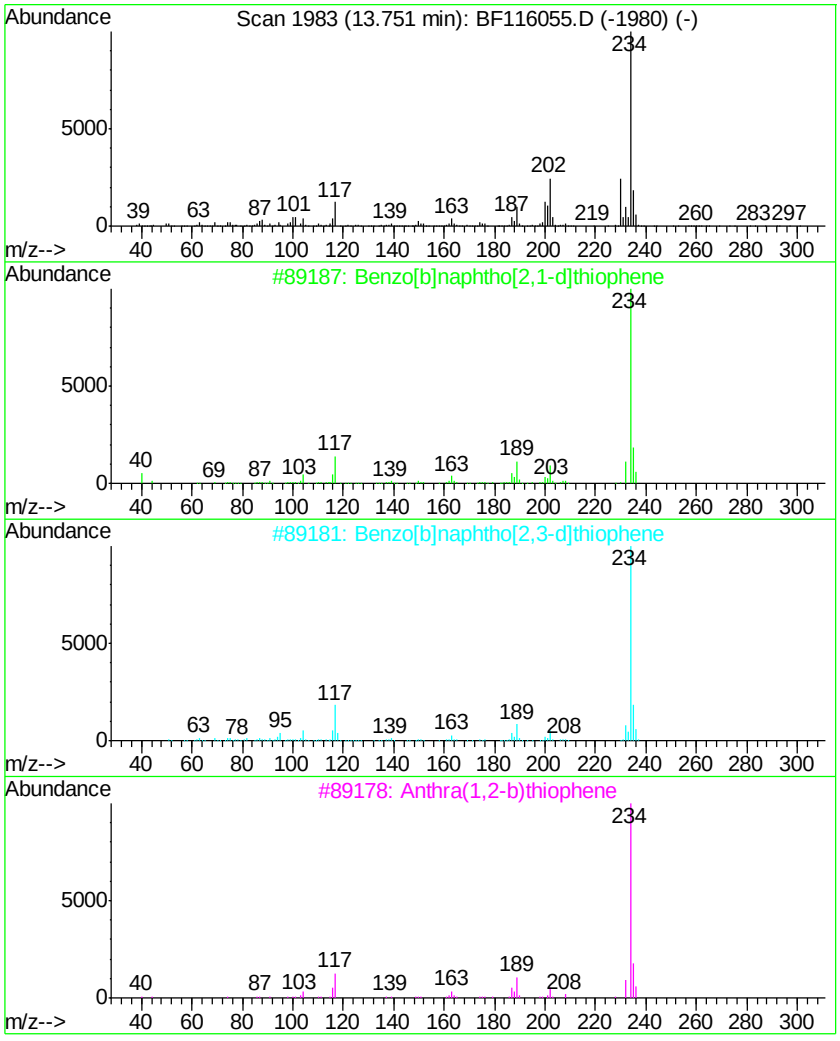
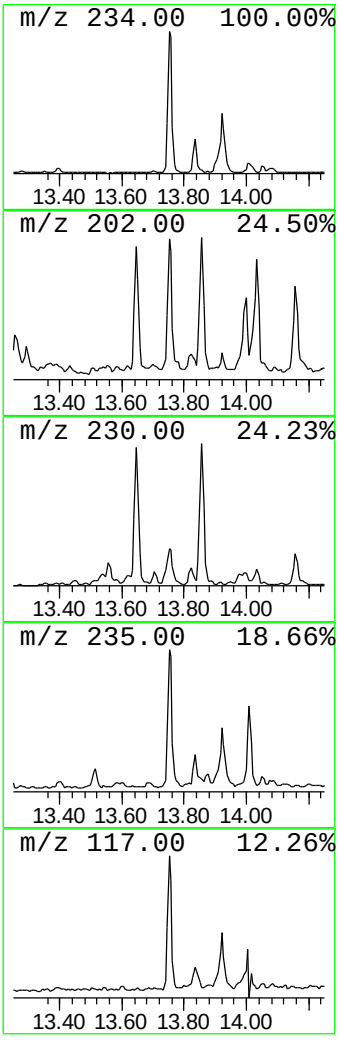
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.40 ng	535816	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	52
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46





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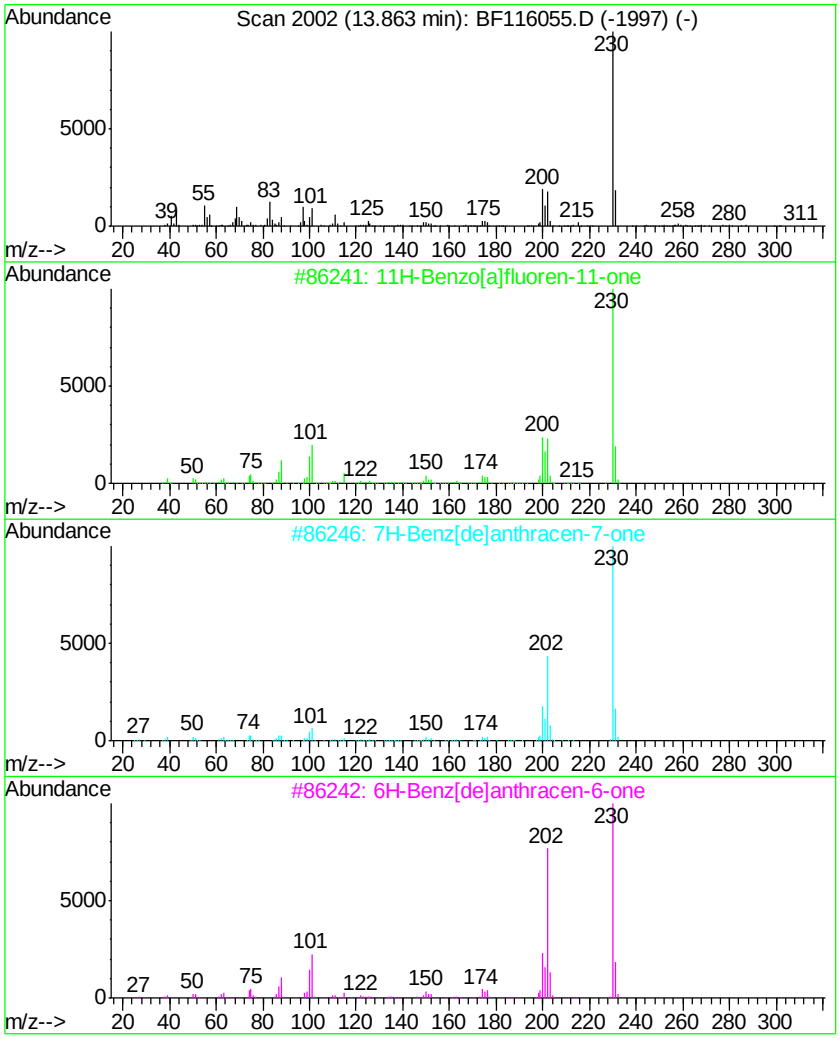
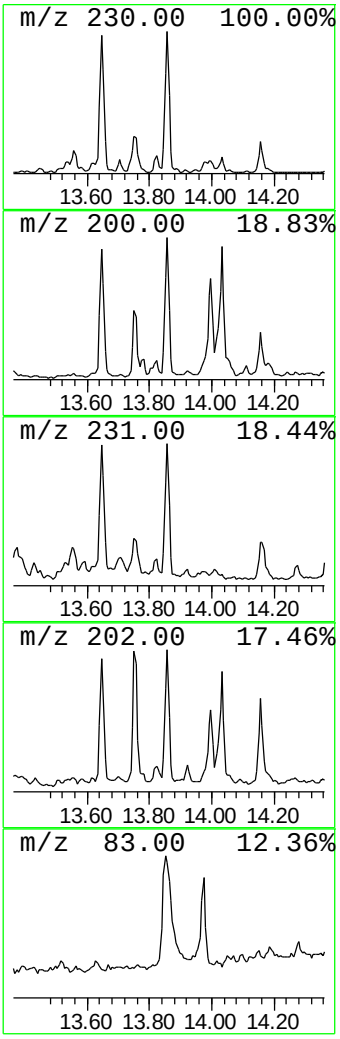
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.52 ng	554024	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	o-Terphenyl	230	C18H14	000084-15-1	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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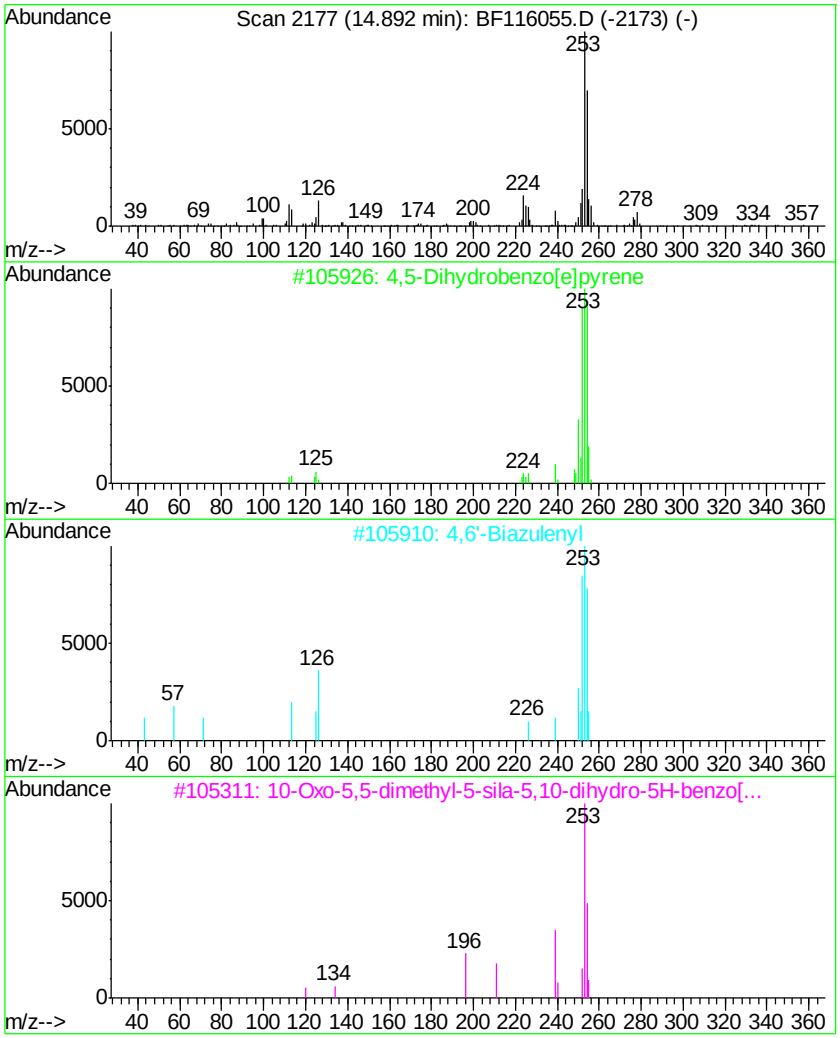
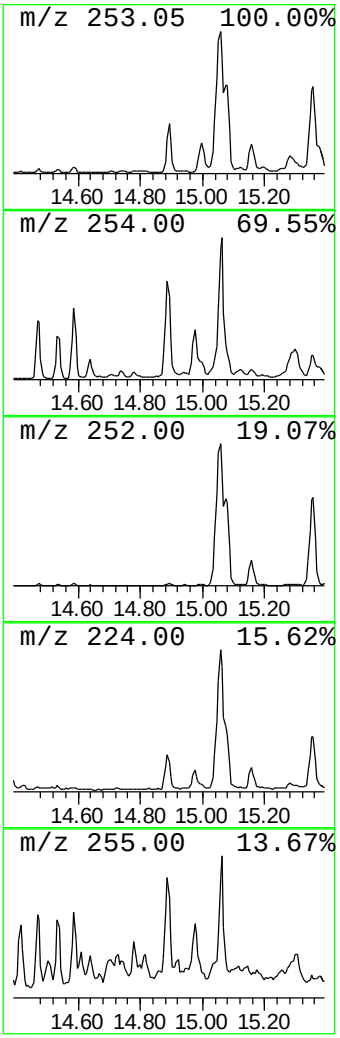
Peak Number 16 4,5-Dihydrobenzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	8.54 ng	423538	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
2	4,6'-Biazulenyl	254	C20H14	094154-49-1	62
3	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	58
5	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	52





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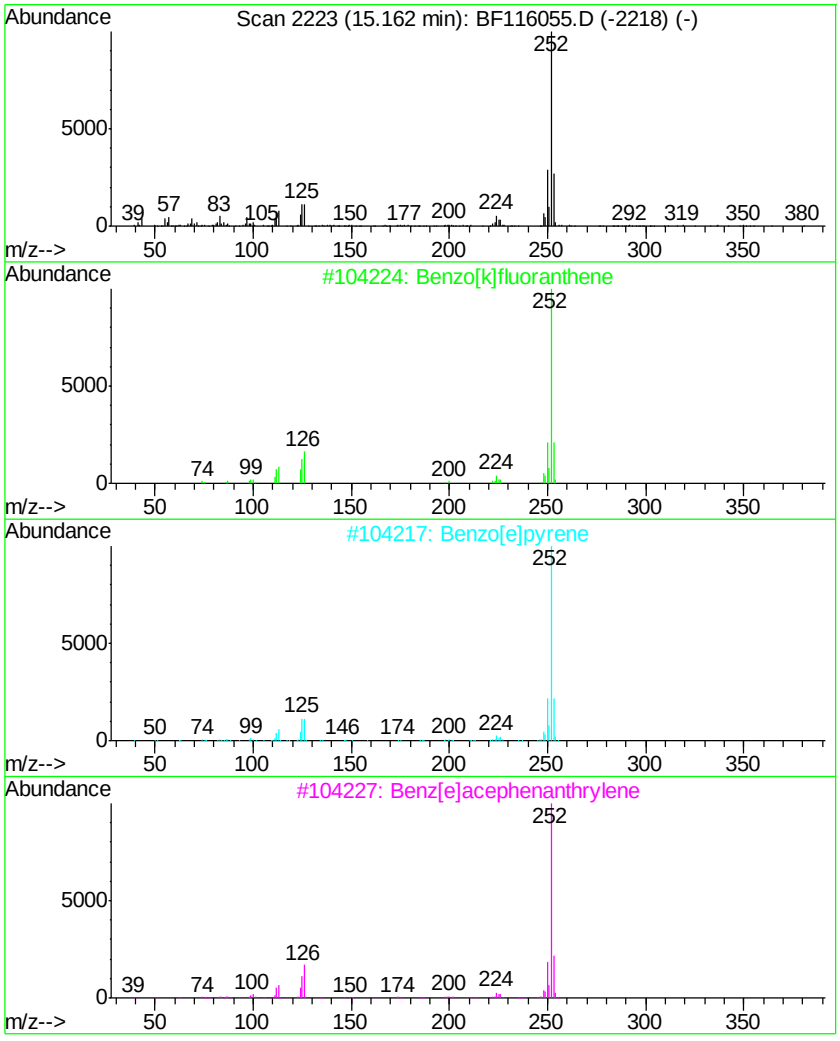
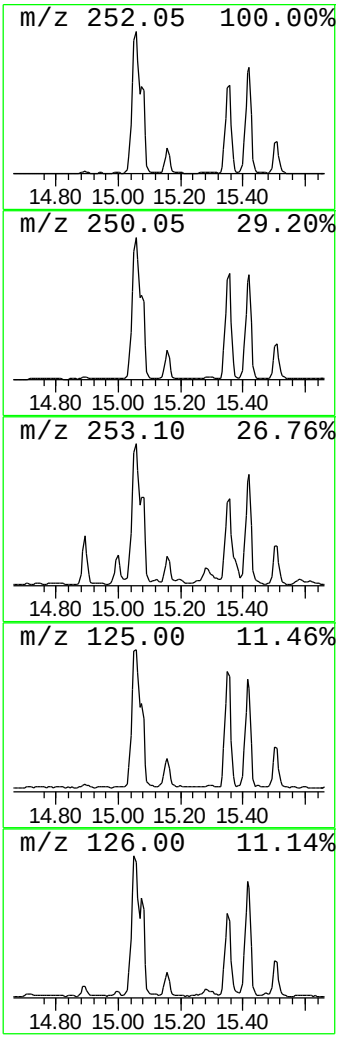
Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	13.99 ng	693807	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	89





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Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

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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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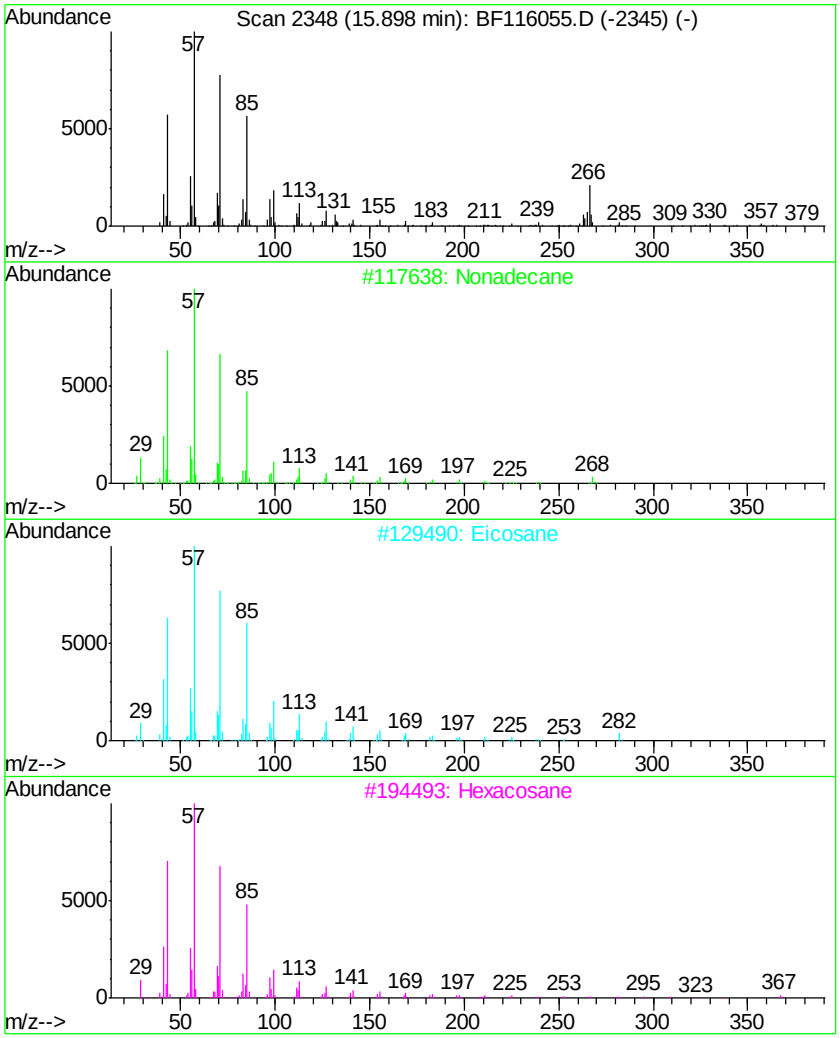
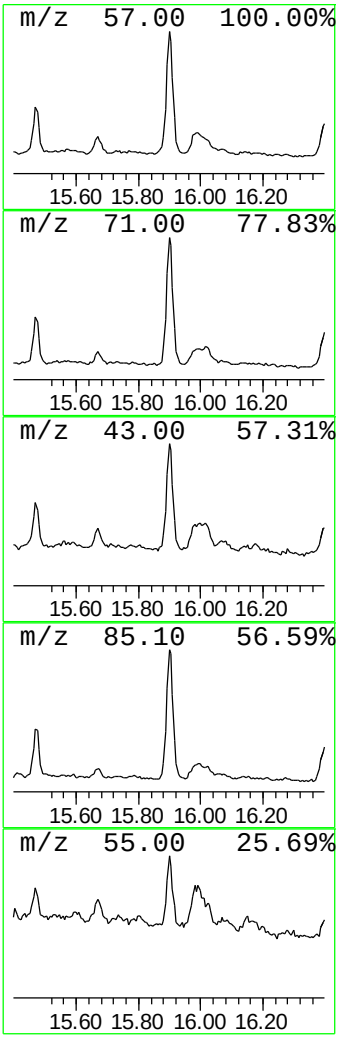
Peak Number 19 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	8.17 ng	405291	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	92
2	Eicosane	282	C20H42	000112-95-8	86
3	Hexacosane	366	C26H54	000630-01-3	70
4	Hexadecane	226	C16H34	000544-76-3	62
5	Hentriacontane	437	C31H64	000630-04-6	62





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Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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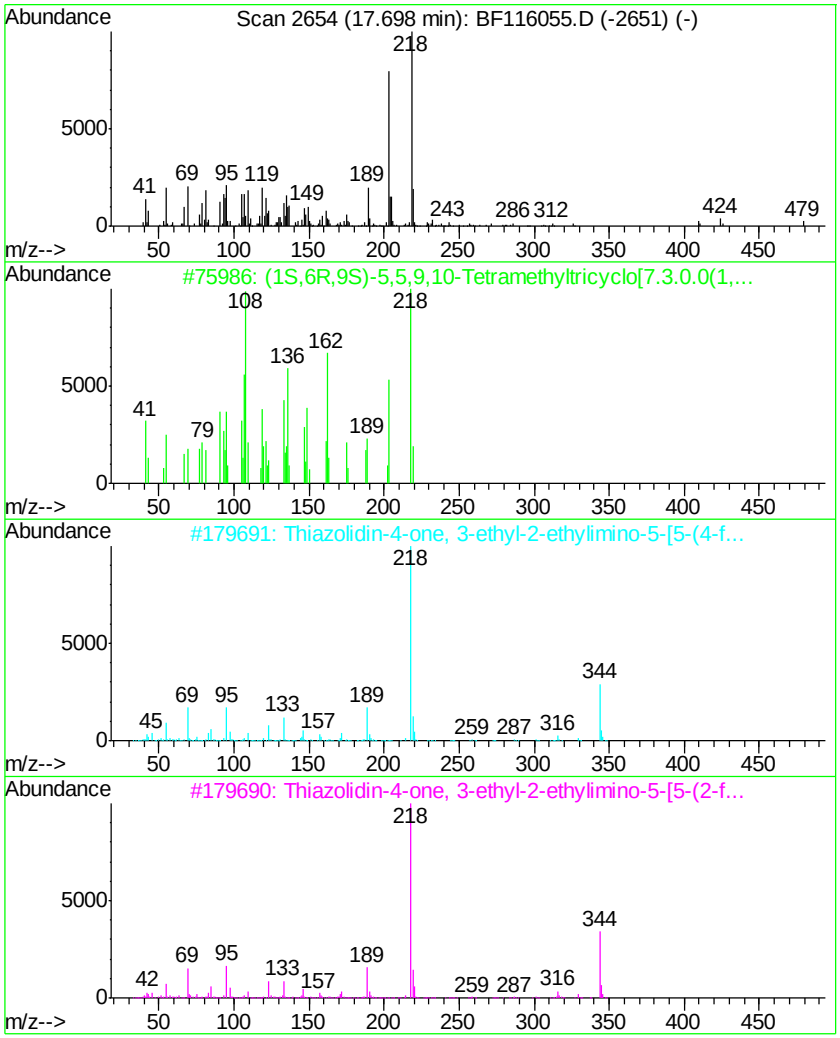
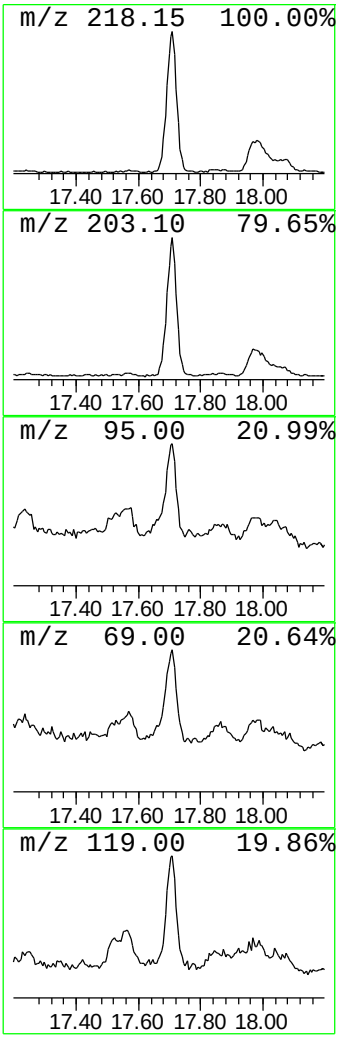
Peak Number 20 unknown17.70 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	13.85 ng	686749	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	46
2	Thiazolidin-4-one, 3-ethyl-2-eth...	344	C18H17FN2O2S	1000302-92-2	45
3	Thiazolidin-4-one, 3-ethyl-2-eth...	344	C18H17FN2O2S	1000272-54-5	45
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	43
5	Olean-12-ene, 3-methoxy-, (3.bet...	440	C31H52O	014021-26-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080719\
Data File : BF116055.D
Acq On : 7 Aug 2019 19:21
Operator : HP/JU
Sample : K4192-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIPLE-BARREL-BC-EAST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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...	2.12	25.1	ng	1055880	1	6.85	841288	20.0
unknown6.62	6.62	62.0	ng	2609710	1	6.85	841288	20.0
Phenanthrene, 2-m...	11.86	5.3	ng	266823	4	11.36	1008010	20.0
1H-Cyclopropa[l]p...	11.89	13.8	ng	697711	4	11.36	1008010	20.0
4H-Cyclopenta[def...	11.97	9.7	ng	490769	4	11.36	1008010	20.0
Anthracene, 9-met...	12.00	2.8	ng	141924	4	11.36	1008010	20.0
Naphthalene, 2-ph...	12.16	3.9	ng	197391	4	11.36	1008010	20.0
9,10-Anthracenedione	12.19	5.4	ng	270864	4	11.36	1008010	20.0
Phenanthrene, 2,7...	12.41	4.1	ng	206283	4	11.36	1008010	20.0
Naphthalic anhydride	12.45	3.5	ng	176809	4	11.36	1008010	20.0
Cyclopenta(def)ph...	12.50	4.7	ng	238338	4	11.36	1008010	20.0
Octadecanoic acid	12.67	5.9	ng	299601	4	11.36	1008010	20.0
Benzo[b]naphtho[2...	13.75	3.4	ng	535816	5	14.01	3152220	20.0
11H-Benzo[a]fluor...	13.86	3.5	ng	554024	5	14.01	3152220	20.0
4,5-Dihydrobenzo[...	14.89	8.5	ng	423538	6	15.47	992021	20.0
Benzo[e]pyrene	15.16	14.0	ng	693807	6	15.47	992021	20.0
Nonadecane	15.90	8.2	ng	405291	6	15.47	992021	20.0
unknown17.70	17.70	13.9	ng	686749	6	15.47	992021	20.0