LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114171.D
Acq On : 11 May 2019 23:34
Operator : JU/SJ
Sample : K2764-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

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-BF051019.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	2.122	3	6	21	rVB	1544240	2069581	13.02%	0.752%
2	5.481	572	577	580	rBV	7197071	7129770	44.87%	2.592%
3	6.492	743	749	754	rBV	6913313	7915301	49.81%	2.877%
4	6.622	767	771	775	rBV	7362406	7536354	47.43%	2.739%
5	6.851	806	810	813	rBV	2027566	1697990	10.69%	0.617%
6	7.010	832	837	840	rBV	6184968	5594295	35.21%	2.034%
7	7.410	900	905	908	rBV	5385672	5038776	31.71%	1.832%
8	8.128	1023	1027	1029	rBV	2581382	2211304	13.92%	0.804%
9	8.151	1029	1031	1036	rVB	1250964	1012518	6.37%	0.368%
10	8.839	1145	1148	1152	rVB	741661	601444	3.79%	0.219%
11	9.204	1205	1210	1213	rBV	7838993	6776742	42.65%	2.463%
12	9.592	1274	1276	1284	rVB2	795245	1123973	7.07%	0.409%
13	9.745	1298	1302	1305	rBV	2051006	1923560	12.11%	0.699%
14	9.880	1322	1325	1329	rVB	2601916	2220398	13.97%	0.807%
15	10.427	1415	1418	1425	rVB3	383848	655412	4.12%	0.238%
16	10.669	1454	1459	1463	rBV	4462358	4508634	28.37%	1.639%
17	10.792	1476	1480	1485	rBV3	535738	692095	4.36%	0.252%
18	11.169	1541	1544	1548	rVB	724864	700613	4.41%	0.255%
19	11.263	1557	1560	1565	rVB	945841	849178	5.34%	0.309%
20	11.368	1574	1578	1580	rBV	2127409	2414578	15.20%	0.878%
21	11.398	1580	1583	1586	rVV	8546587	8167862	51.40%	2.969%
22	11.445	1588	1591	1593	rVB	1327738	1117879	7.04%	0.406%
23	11.663	1622	1628	1631	rVV2	1502448	1498294	9.43%	0.545%
24	11.698	1631	1634	1639	rVB	1130061	975956	6.14%	0.355%
25	11.780	1646	1648	1652	rVB	506929	505408	3.18%	0.184%
26	11.821	1652	1655	1658	rBV	499030	540762	3.40%	0.197%
27	11.868	1660	1663	1666	rVV	3310868	3340391	21.02%	1.214%
28	11.898	1666	1668	1671	rVV	4567431	3940922	24.80%	1.433%
29	11.980	1678	1682	1685	rBV	4486492	4864706	30.62%	1.768%
30	12.004	1685	1686	1691	rVB	2925192	2116782	13.32%	0.769%
31	12.163	1707	1713	1716	rBV	2851681	3235054	20.36%	1.176%
32	12.192	1716	1718	1724	rVB2	3197897	3249837	20.45%	1.181%
33	12.298	1733	1736	1737	rBV	471425	496666	3.13%	0.181%
34	12.316	1737	1739	1741	rVV	903396	808473	5.09%	0.294%

LSC Area Percent Report

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Acq On : 11 May 2019 23:34
Operator : JU/SJ
Sample : K2764-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.345	1741	1744	1746	rVV	936192	868029	5.46%	0.316%
36	12.368	1746	1748	1751	rVB2	762239	603204	3.80%	0.219%
37	12.421	1751	1757	1759	rBV	2670804	3082690	19.40%	1.121%
38	12.457	1759	1763	1765	rVV3	1495538	2189635	13.78%	0.796%
39	12.480	1765	1767	1769	rVB	742878	597306	3.76%	0.217%
40	12.510	1769	1772	1777	rBV2	2269106	2645697	16.65%	0.962%
41	12.592	1780	1786	1789	rBV	8857725	10467573	65.88%	3.805%
42	12.627	1789	1792	1794	rBV	919971	872302	5.49%	0.317%
43	12.680	1798	1801	1804	rVB	2062067	1806336	11.37%	0.657%
44	12.721	1804	1808	1812	rBV4	1262478	1748248	11.00%	0.635%
45	12.751	1812	1813	1820	rVB4	474673	570487	3.59%	0.207%
46	12.827	1820	1826	1829	rVB	10573223	15889741	100.00%	5.776%
47	12.868	1829	1833	1836	rVB3	917149	1045611	6.58%	0.380%
48	12.951	1844	1847	1850	rBV	4864733	4753462	29.92%	1.728%
49	13.033	1857	1861	1867	rBV2	2146070	3400595	21.40%	1.236%
50	13.086	1867	1870	1872	rVV4	852905	888838	5.59%	0.323%
51	13.121	1872	1876	1877	rVV3	1993969	2521270	15.87%	0.916%
52	13.139	1877	1879	1882	rVV	2342733	2028303	12.76%	0.737%
53	13.180	1883	1886	1888	rVV4	499093	539468	3.40%	0.196%
54	13.204	1888	1890	1894	rVV	902227	1016735	6.40%	0.370%
55	13.245	1894	1897	1900	rVV	3264369	3097808	19.50%	1.126%
56	13.339	1909	1913	1915	rVV	2992235	2719756	17.12%	0.989%
57	13.368	1915	1918	1921	rVB	2830835	2375217	14.95%	0.863%
58	13.457	1929	1933	1936	rVB2	583343	621726	3.91%	0.226%
59	13.645	1962	1965	1970	rVB	2380736	2405396	15.14%	0.874%
60	13.757	1978	1984	1986	rBV	2447238	2911866	18.33%	1.058%
61	13.786	1986	1989	1991	rVV	2531130	2286386	14.39%	0.831%
62	13.810	1991	1993	1996	rVV	1976350	1802104	11.34%	0.655%
63	13.857	1996	2001	2005	rVB3	2137065	3015133	18.98%	1.096%
64	14.004	2021	2026	2029	rBV2	6797289	9855621	62.03%	3.583%
65	14.045	2029	2033	2039	rVB	7264943	8954612	56.35%	3.255%
66	14.098	2039	2042	2046	rVB3	492112	499738	3.15%	0.182%
67	14.157	2046	2052	2055	rBV	3528234	4446974	27.99%	1.616%
68	14.262	2068	2070	2073	rBV4	625557	599297	3.77%	0.218%
69	14.357	2084	2086	2088	rBV2	788821	742277	4.67%	0.270%
70	14.398	2088	2093	2096	rVV	2573742	2925085	18.41%	1.063%
71	14.433	2096	2099	2102	rVV2	1702912	2066885	13.01%	0.751%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2764-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.474	2102	2106	2111	rVV3	1954791	3145915	19.80%	1.144%
73	14.521	2111	2114	2116	rVV2	1739545	1977218	12.44%	0.719%
74	14.539	2116	2117	2120	rVV	1588385	1194913	7.52%	0.434%
75	14.586	2120	2125	2129	rVB2	1233990	1567601	9.87%	0.570%
76	14.821	2162	2165	2169	rVB2	1026425	1223290	7.70%	0.445%
77	14.880	2172	2175	2181	rBV2	441869	673731	4.24%	0.245%
78	15.062	2199	2206	2212	rBV	5695402	12806148	80.59%	4.655%
79	15.109	2212	2214	2217	rVV2	552919	604686	3.81%	0.220%
80	15.156	2219	2222	2226	rVB	1558516	1816686	11.43%	0.660%
81	15.362	2250	2257	2262	rVB	4941172	7449407	46.88%	2.708%
82	15.427	2262	2268	2271	rBV2	5251252	8012883	50.43%	2.913%
83	15.480	2271	2277	2280	rVV2	1610870	2534658	15.95%	0.921%
84	15.509	2280	2282	2288	rVB2	1057809	1705095	10.73%	0.620%
85	15.651	2302	2306	2309	rBV2	406081	692611	4.36%	0.252%
86	15.792	2327	2330	2334	rVV	550845	742133	4.67%	0.270%
87	15.833	2334	2337	2343	rVB	558546	774457	4.87%	0.282%
88	15.915	2346	2351	2355	rBV3	517956	904139	5.69%	0.329%
89	15.992	2361	2364	2368	rVV2	549332	805996	5.07%	0.293%
90	16.039	2368	2372	2376	rVB	638771	816862	5.14%	0.297%
91	16.498	2445	2450	2455	rBV4	398241	762854	4.80%	0.277%
92	16.598	2462	2467	2471	rBV2	499404	1020841	6.42%	0.371%
93	16.745	2488	2492	2495	rBV	311814	557195	3.51%	0.203%
94	16.792	2496	2500	2513	rVB3	713024	2108807	13.27%	0.767%
95	16.956	2519	2528	2533	rVB	2678771	5629412	35.43%	2.046%
96	17.109	2549	2554	2559	rBV	486525	861763	5.42%	0.313%
97	17.174	2559	2565	2571	rBV3	548030	1108635	6.98%	0.403%
98	17.403	2594	2604	2613	rVB	2322777	5571387	35.06%	2.025%
99	17.521	2618	2624	2634	rVB6	237992	636286	4.00%	0.231%
100	18.539	2791	2797	2810	rVB8	281353	1001749	6.30%	0.364%

Sum of corrected areas: 275100277

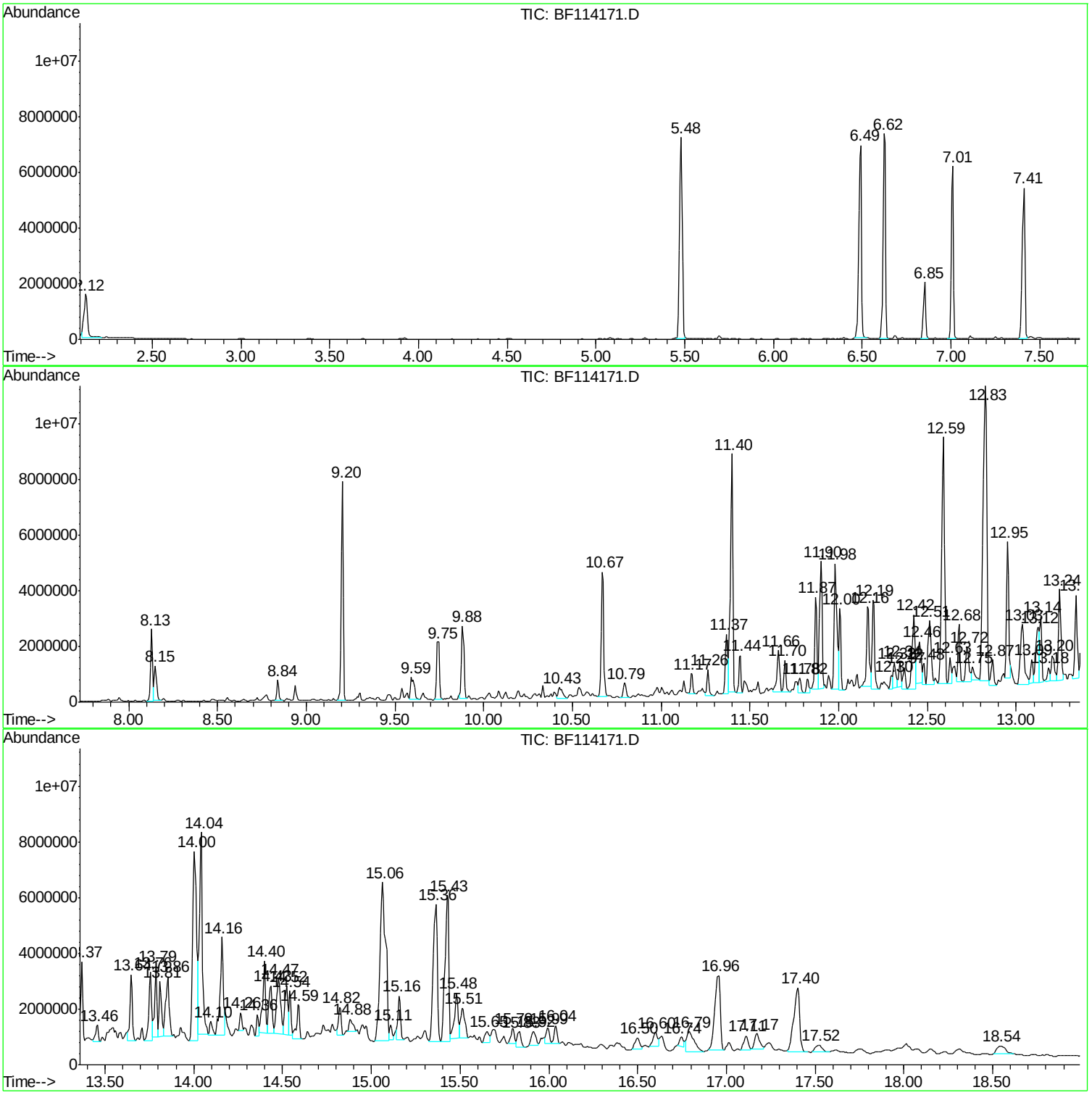
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114171.D
Acq On : 11 May 2019 23:34
Operator : JU/SJ
Sample : K2764-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF051119\
Data File : BF114171.D
Acq On : 11 May 2019 23:34
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Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

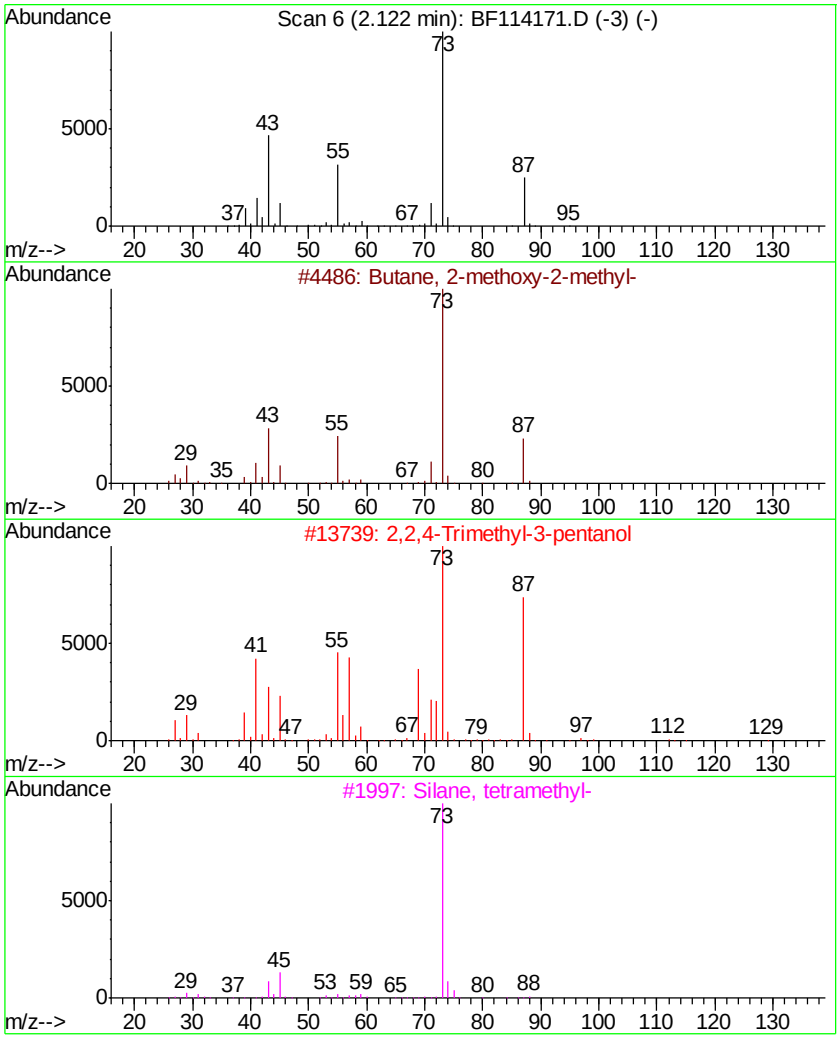
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

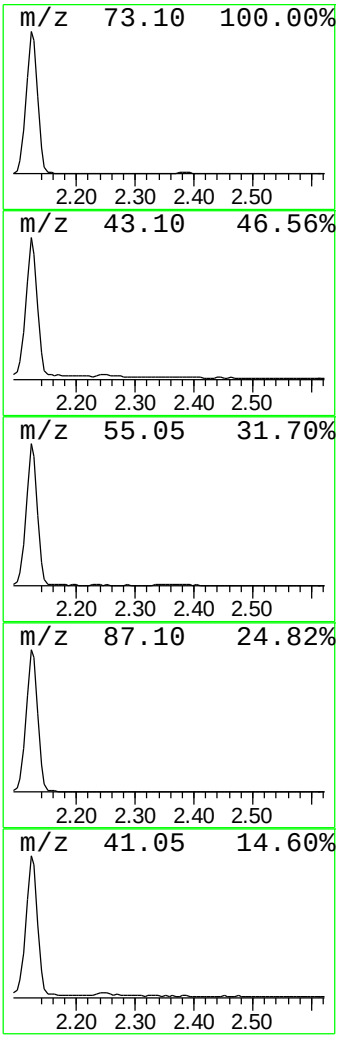
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	24.38 ng	2069580	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	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





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Operator : JU/SJ
Sample : K2764-17
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Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

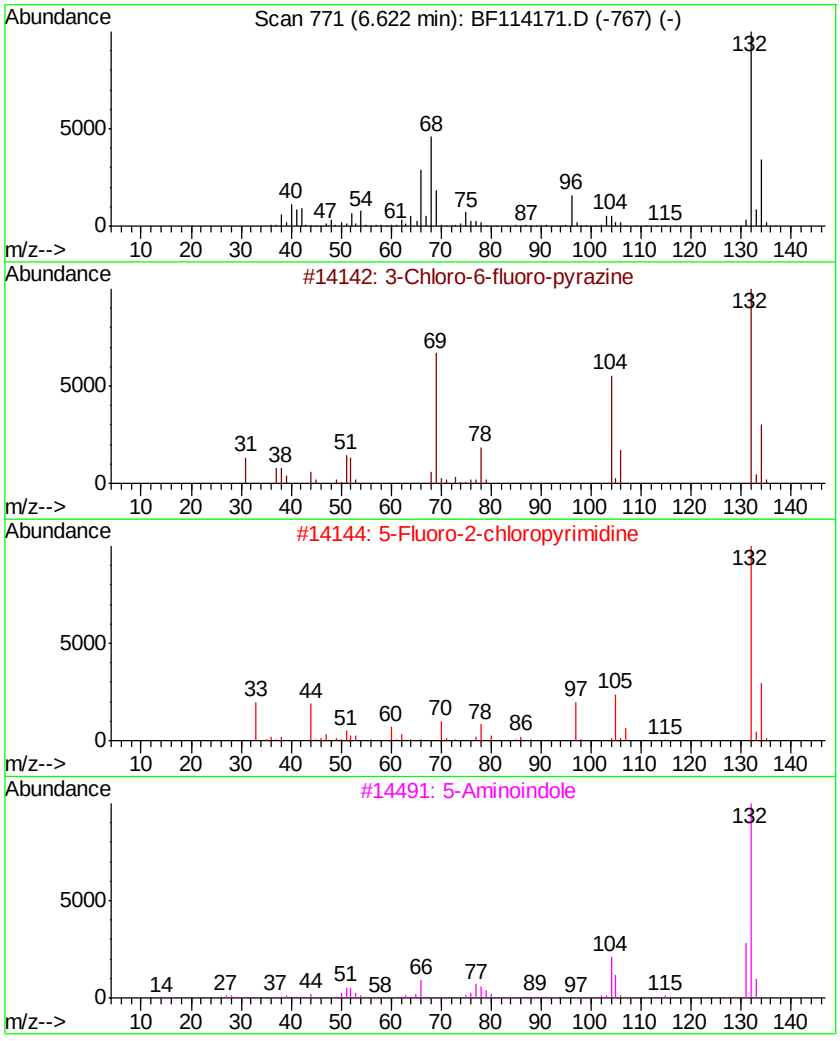
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

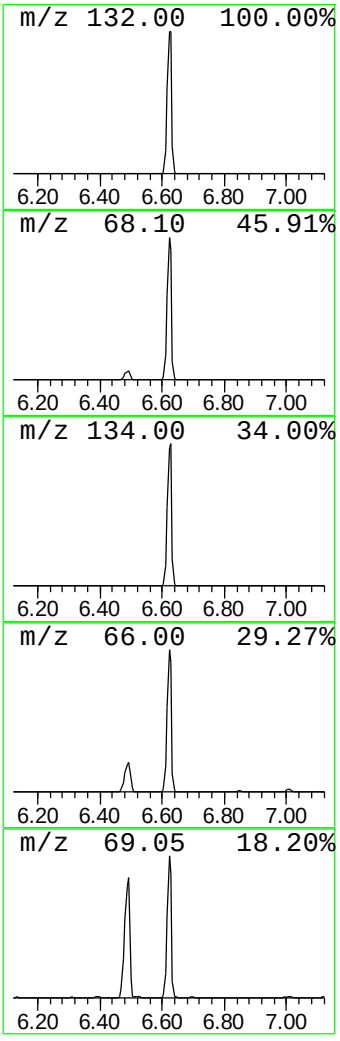
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	88.77 ng	7536350	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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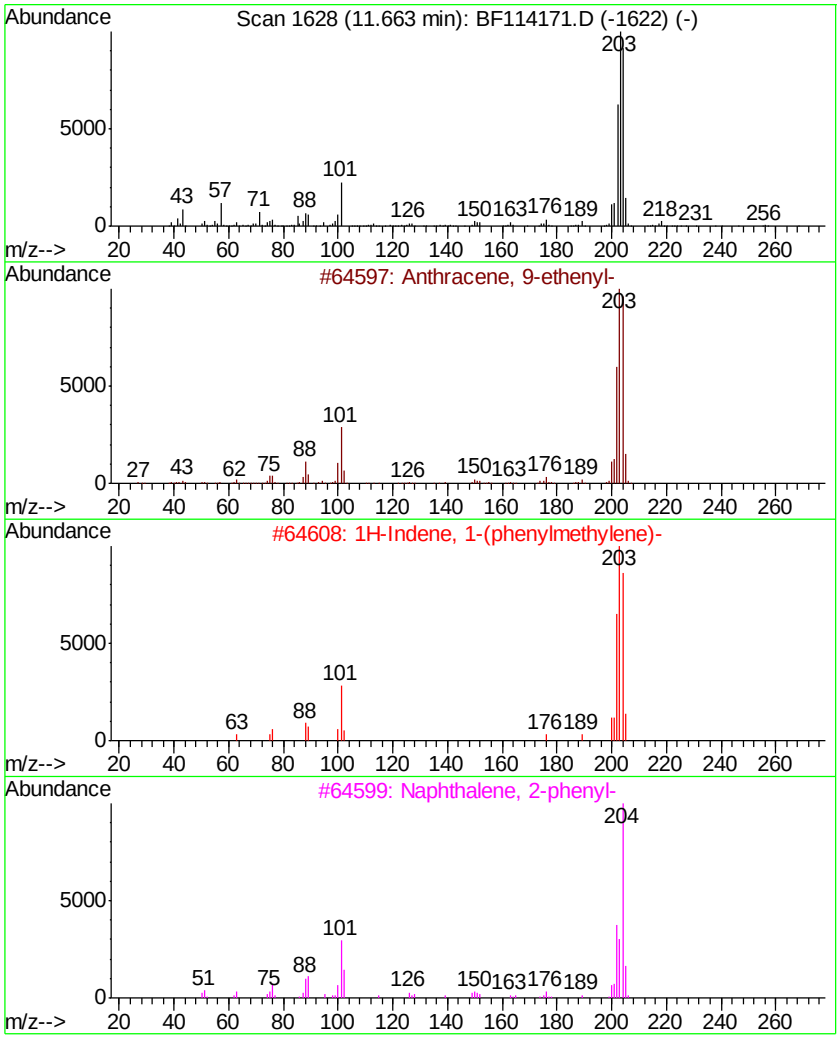
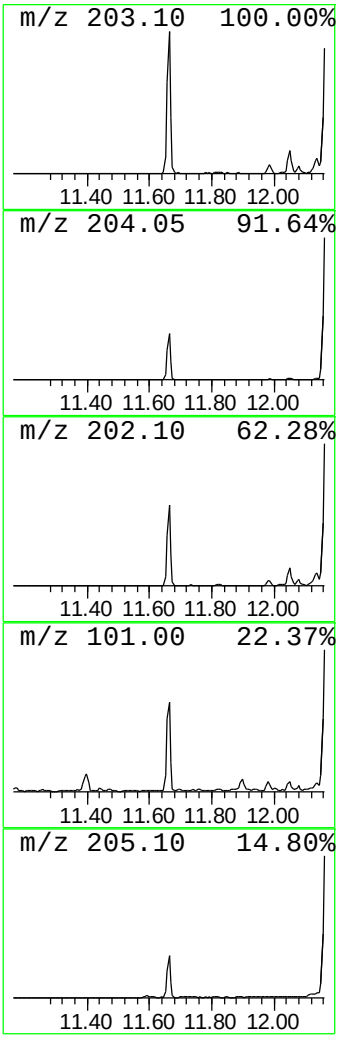
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	12.41 ng	1498290	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
5	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	81





Library Search Compound Report

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Data File : BF114171.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

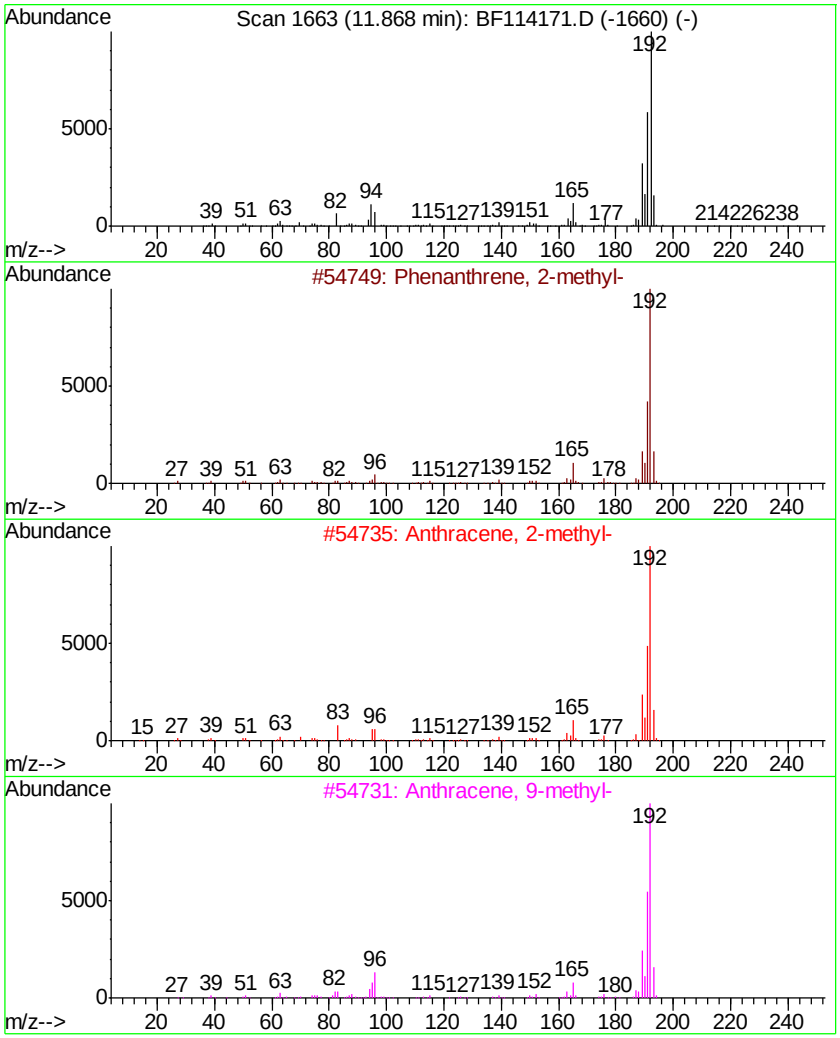
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

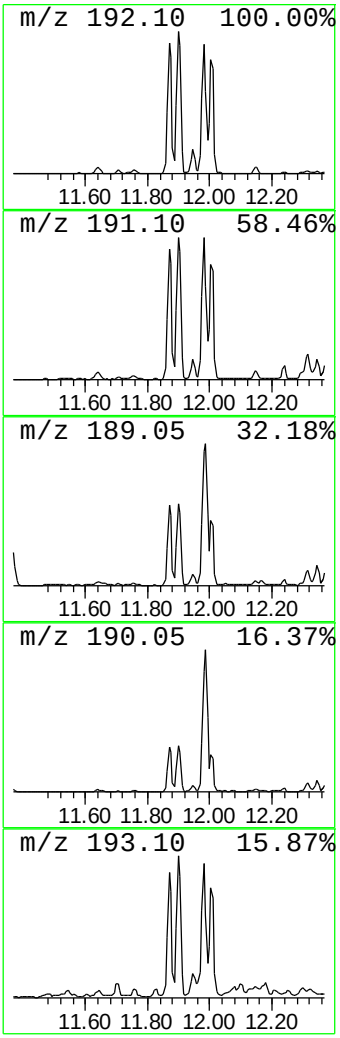
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	27.67 ng	3340390	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114171.D
Acq On : 11 May 2019 23:34
Operator : JU/SJ
Sample : K2764-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

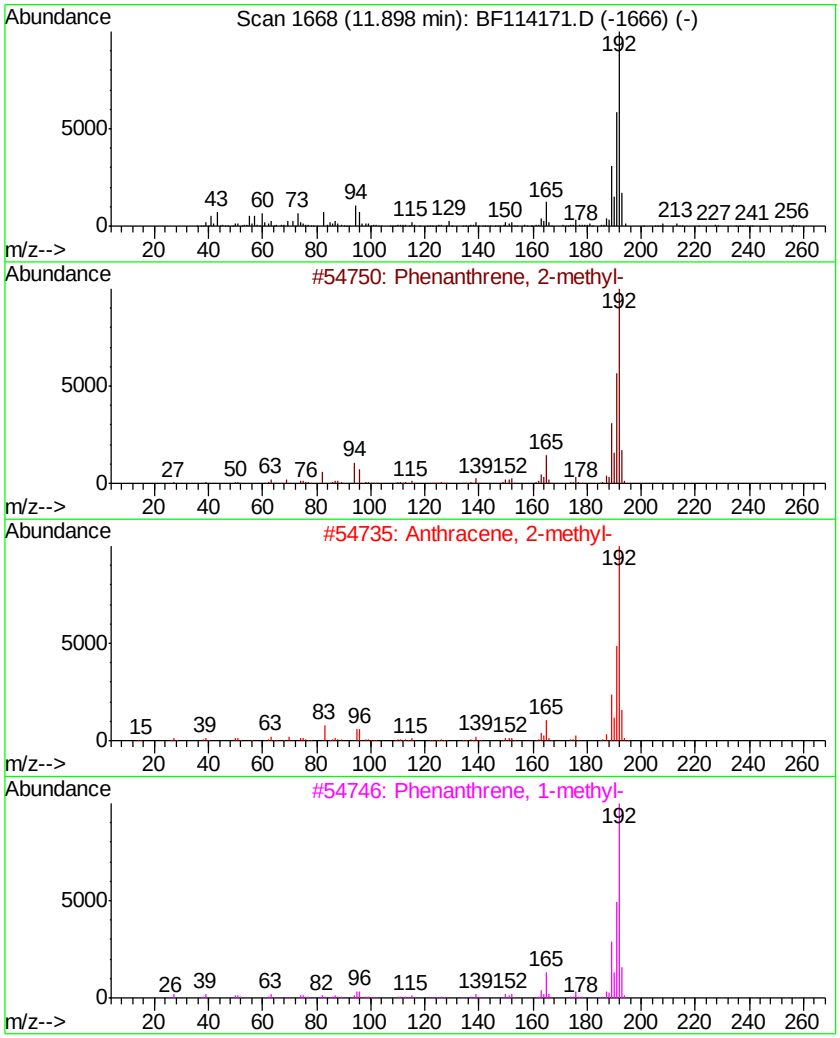
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

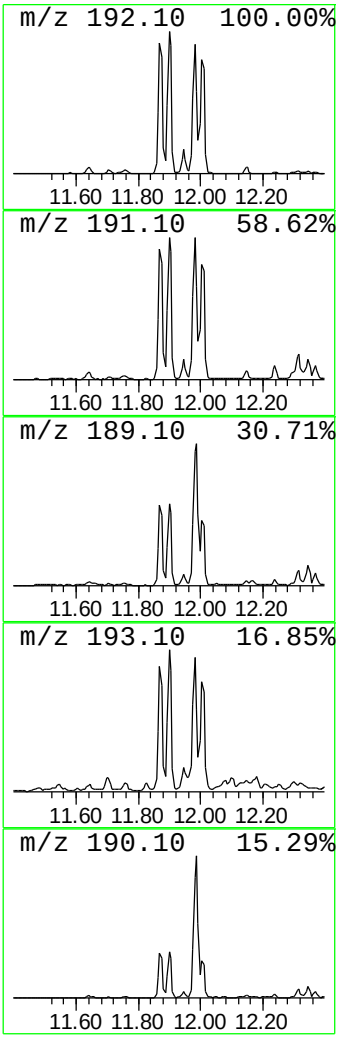
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	32.64 ng	3940920	Phenanthrene-d10	11.37

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	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : JU/SJ
Sample : K2764-17
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

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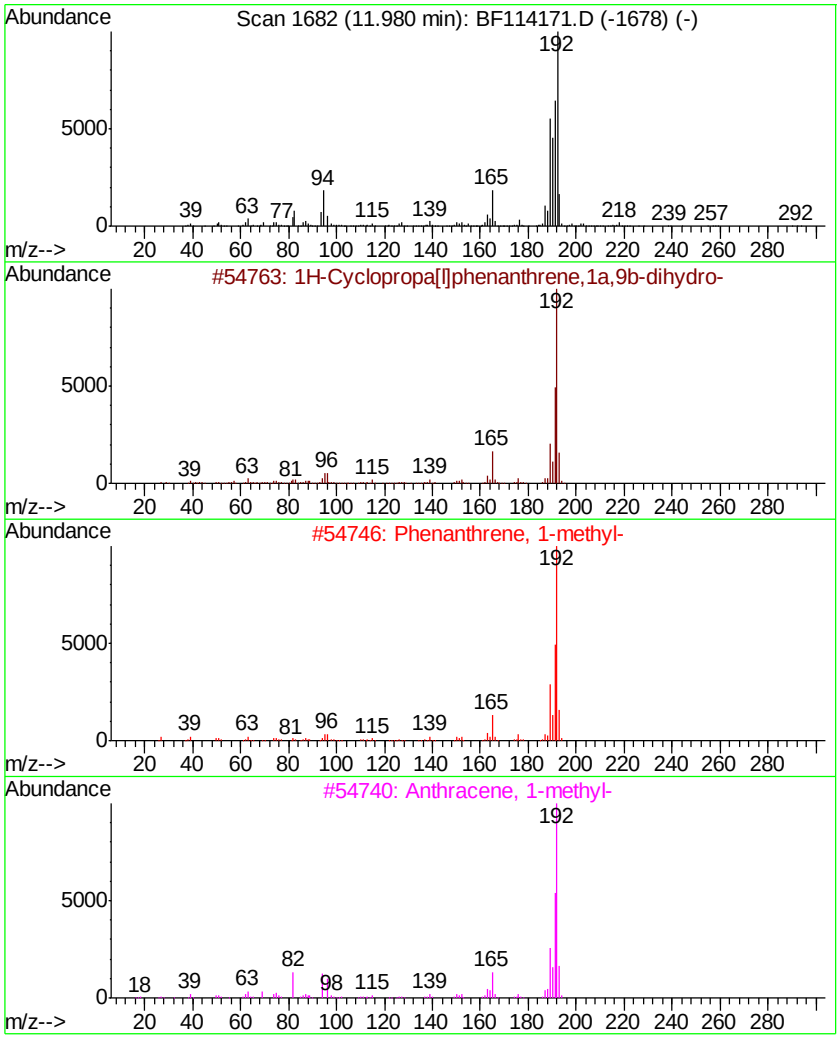
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

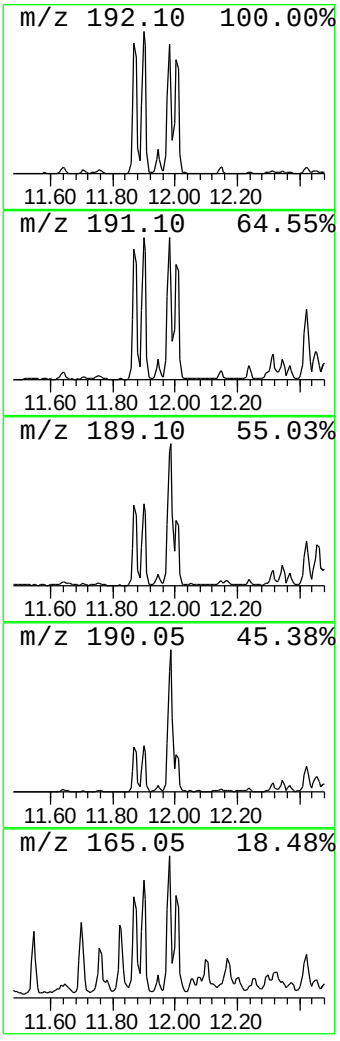
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	40.29 ng	4864710	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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ClientSampleId : P026-SS002-0206-01

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

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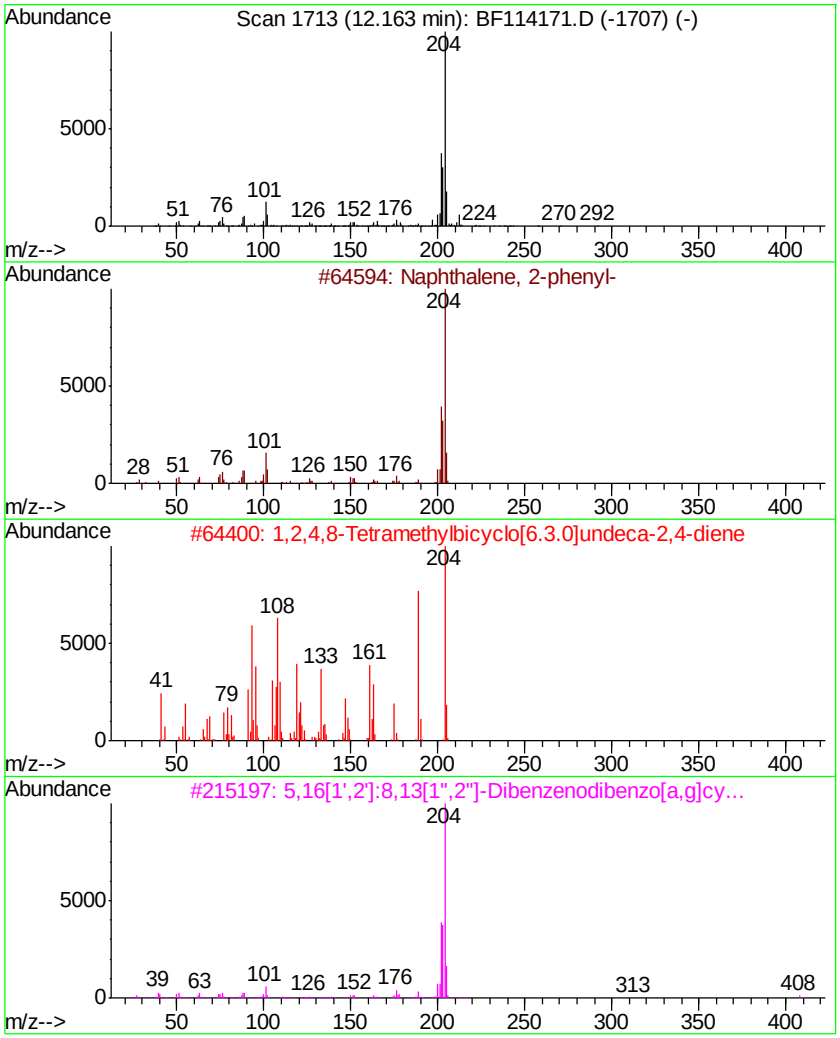
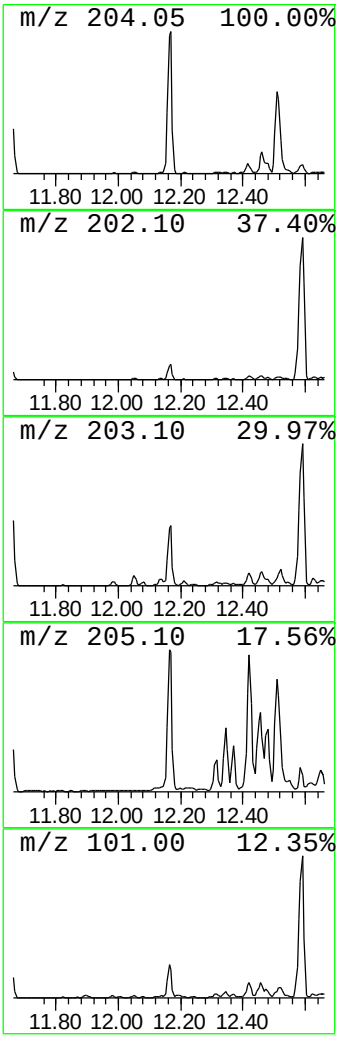
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	26.80 ng	3235050	Phenanthrene-d10	11.37

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





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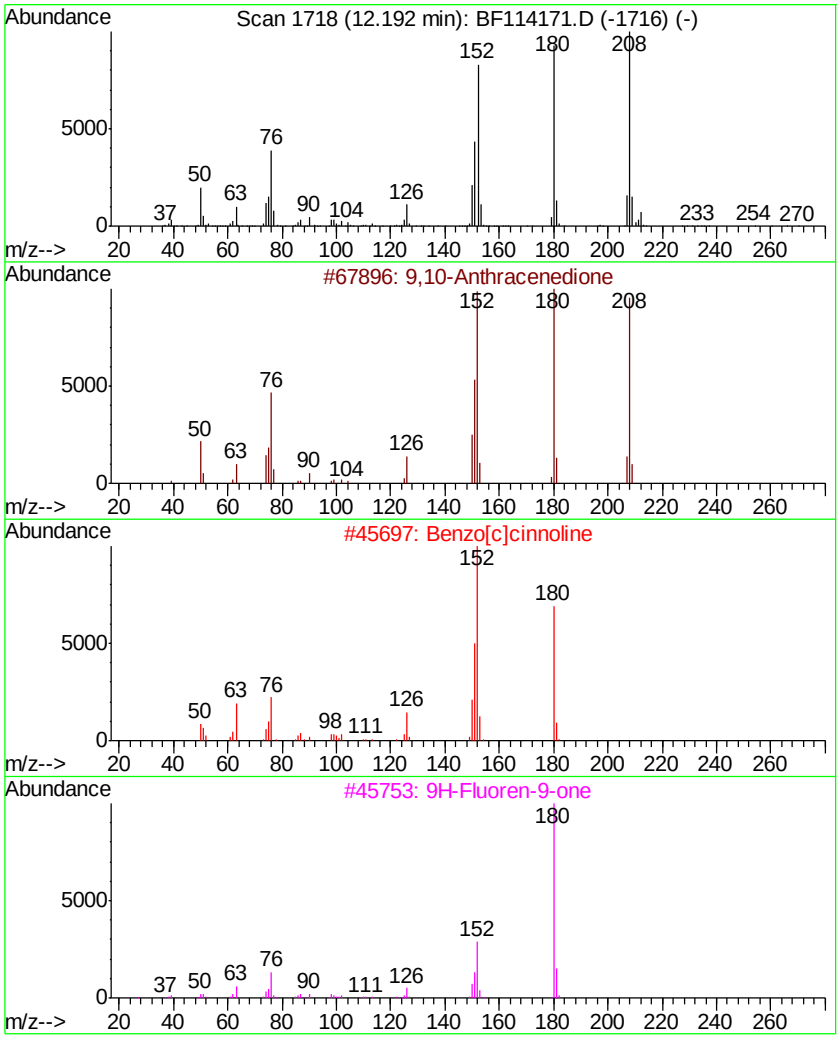
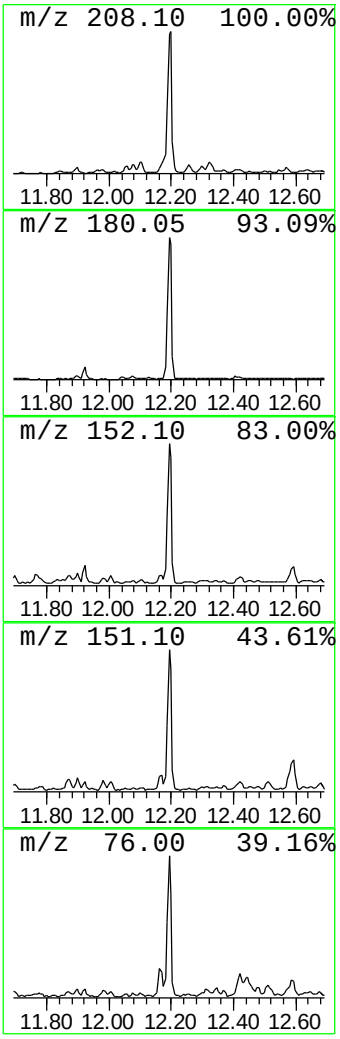
Peak Number 10 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	26.92 ng	3249840	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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TIC Integration Parameters: LSCINT.P

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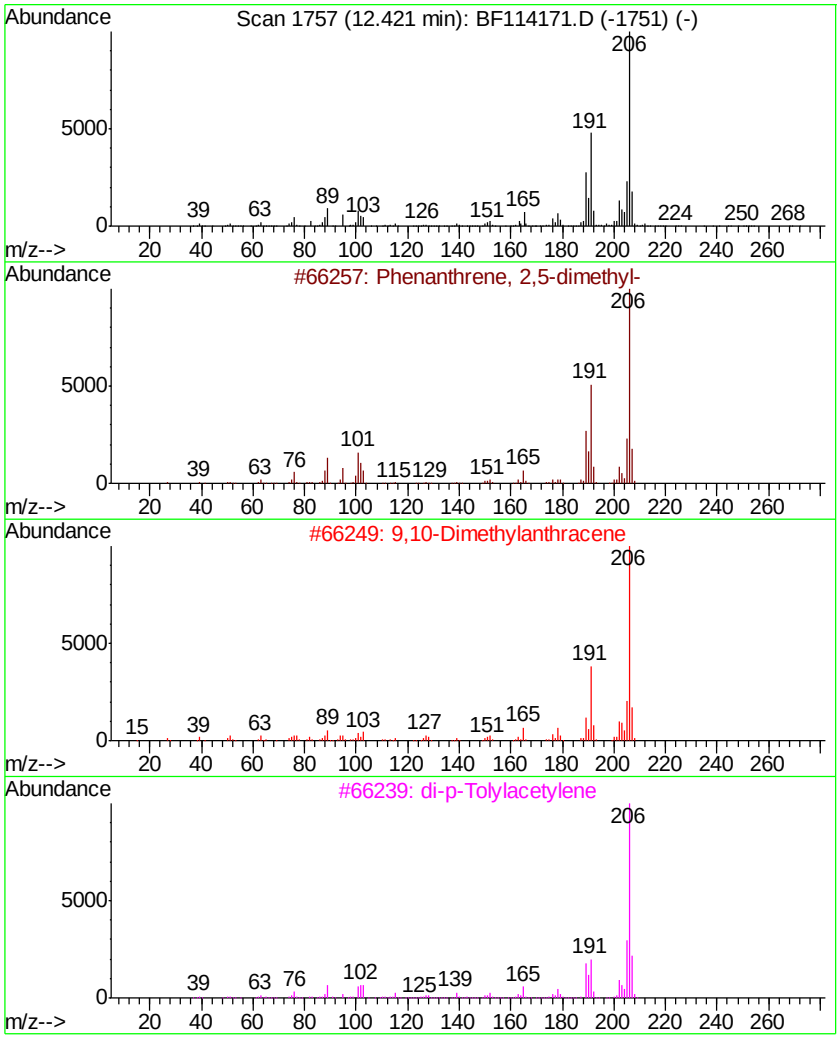
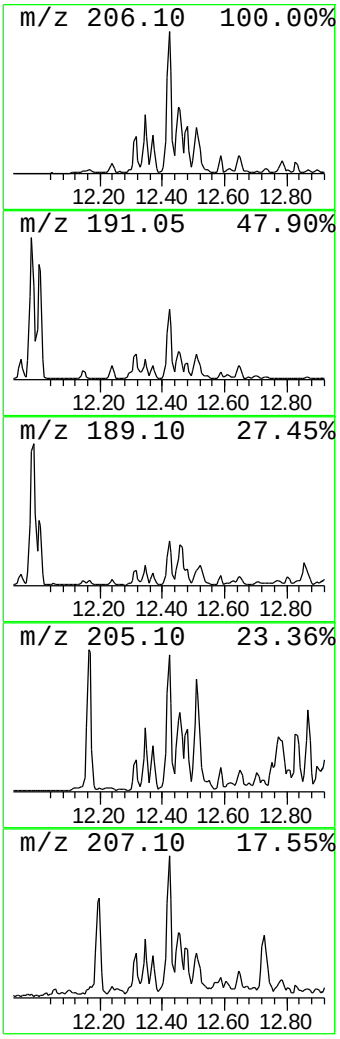
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	25.53 ng	3082690	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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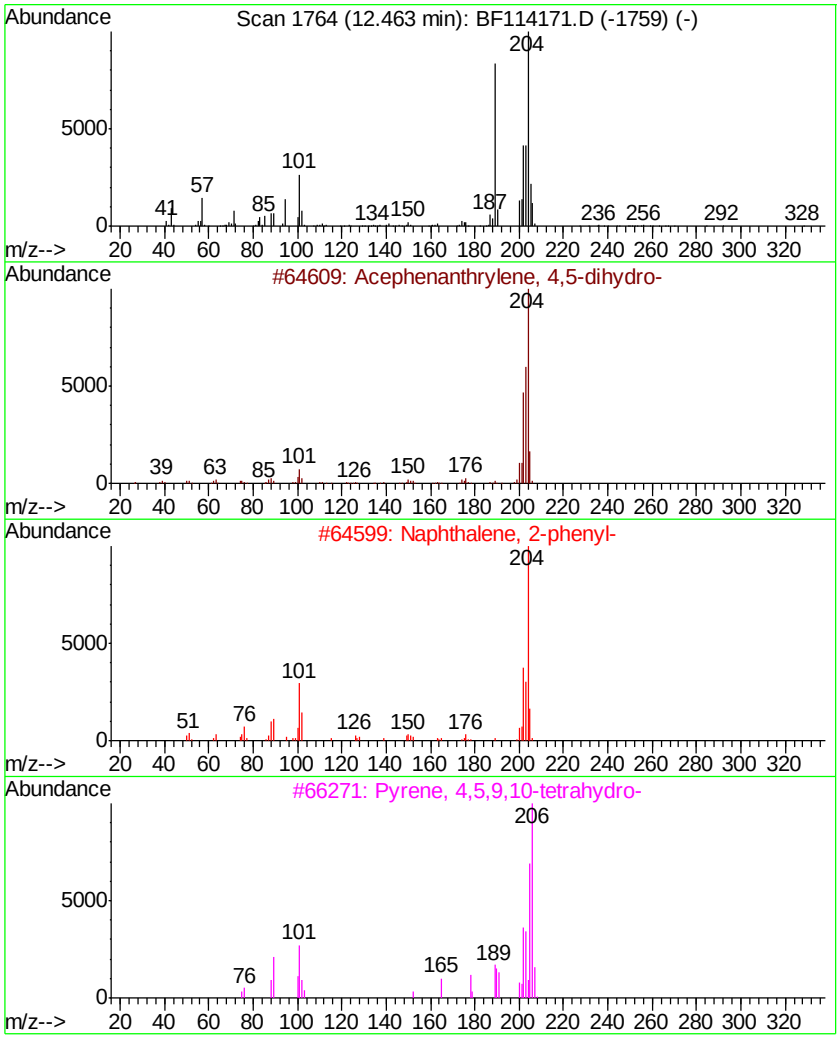
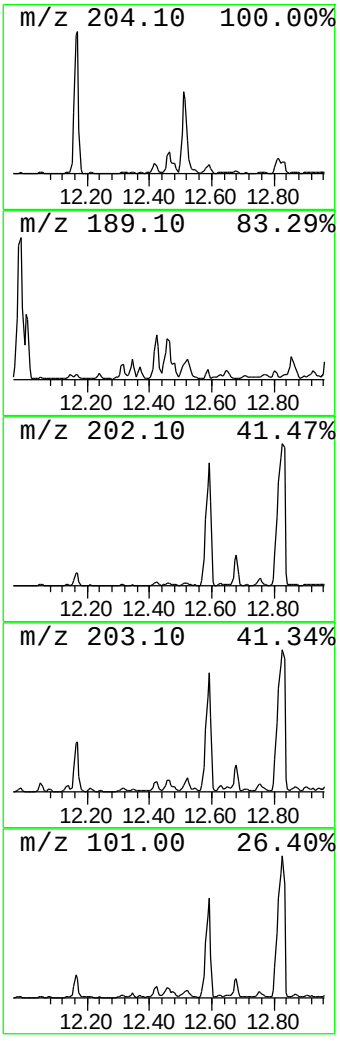
Peak Number 12 unknown12.46 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	18.14 ng	2189640	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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TIC Library : C:\DATABASE\NIST11.L
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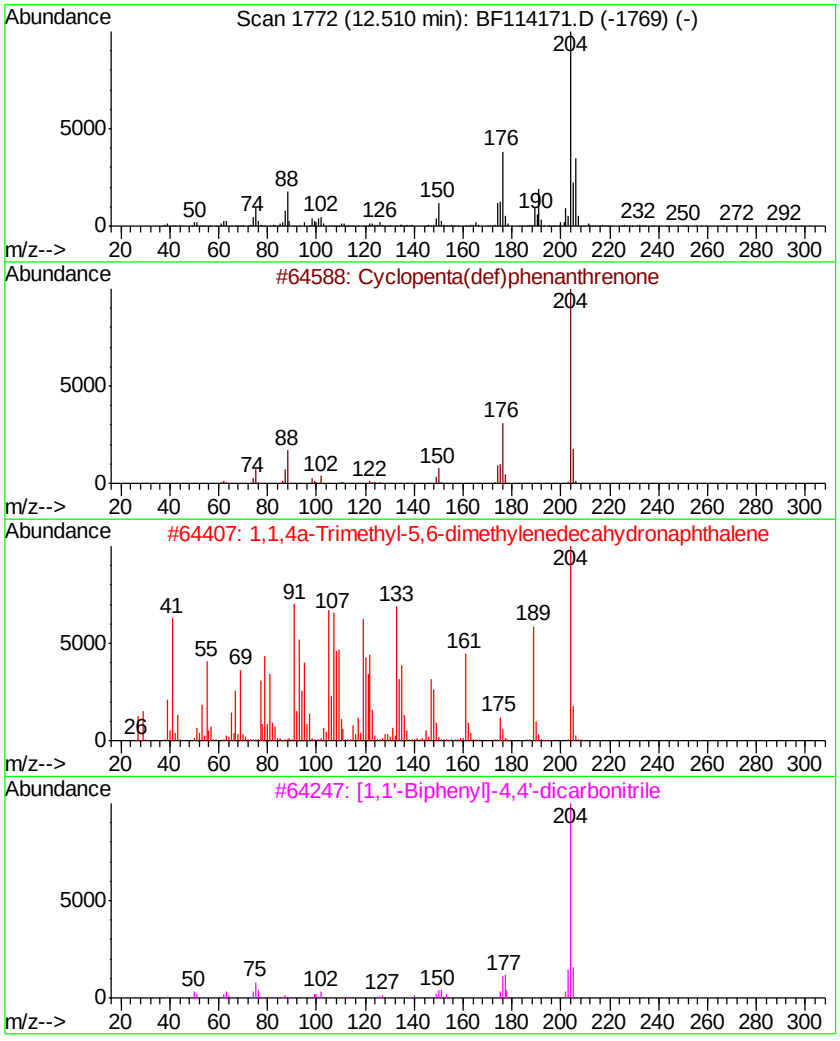
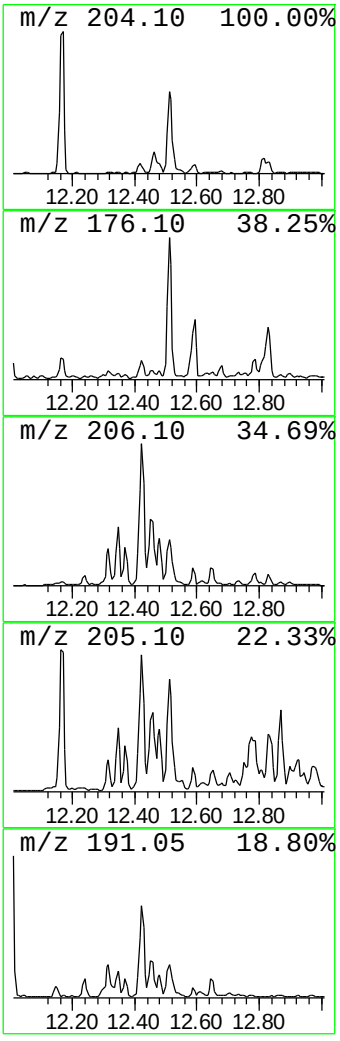
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	21.91 ng	2645700	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	74
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46





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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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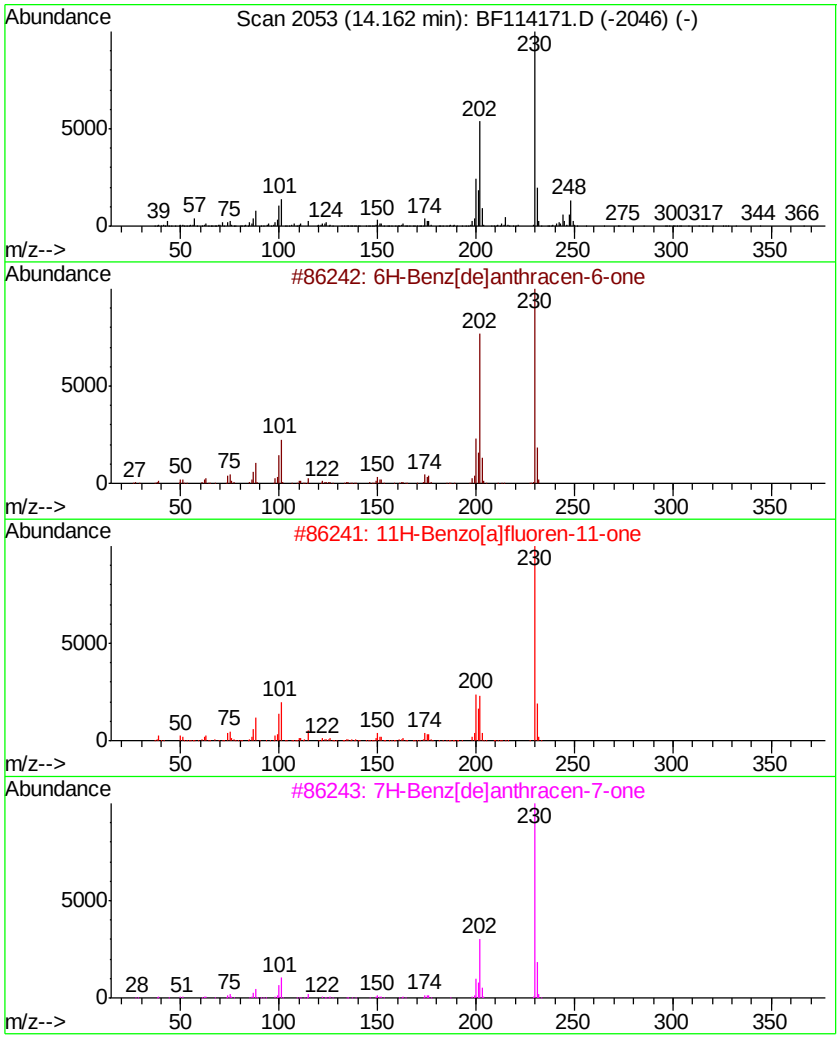
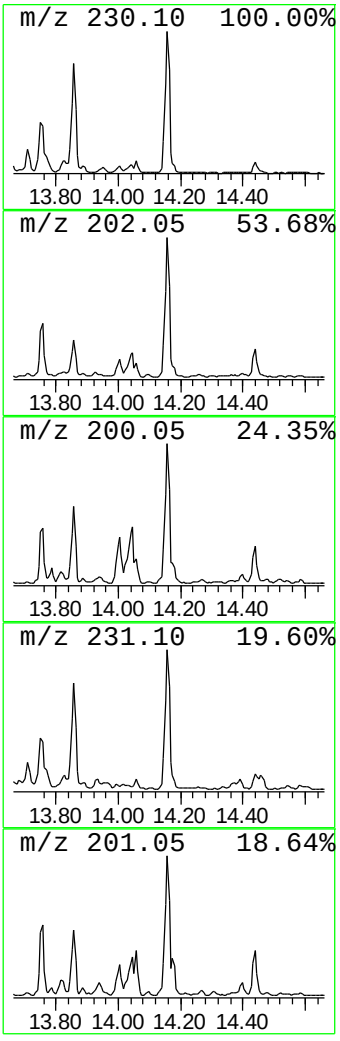
Peak Number 15 6H-Benz[de]anthracen-6-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	9.02 ng	4446970	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	99
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	97
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	89
5	Fluoranthene	202	C16H10	000206-44-0	78





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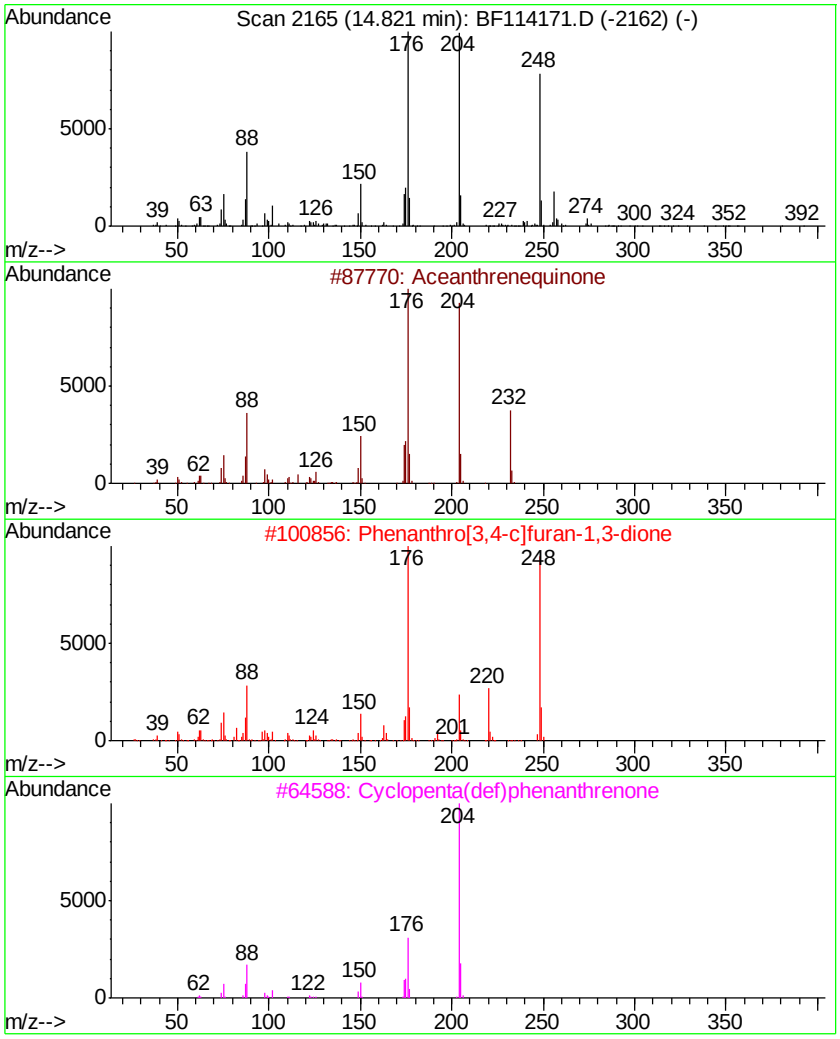
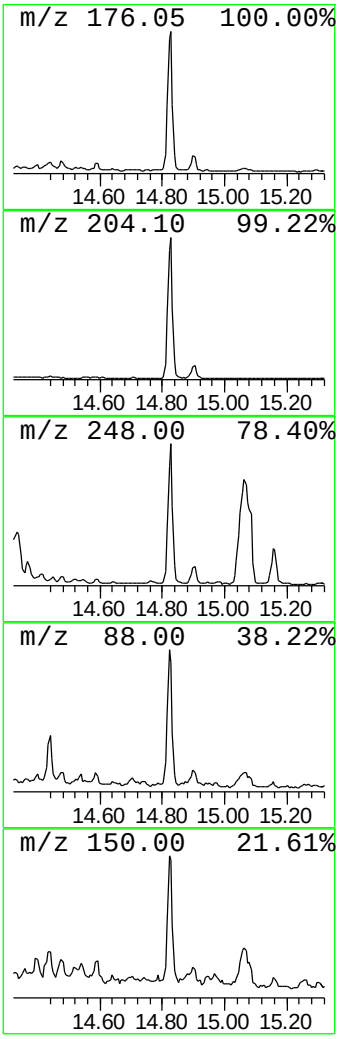
Peak Number 16 Aceanthrenequinone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	9.65 ng	1223290	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aceanthrenequinone	232	C16H8O2	006373-11-1	58
2	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	52
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	47
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	38
5	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	38





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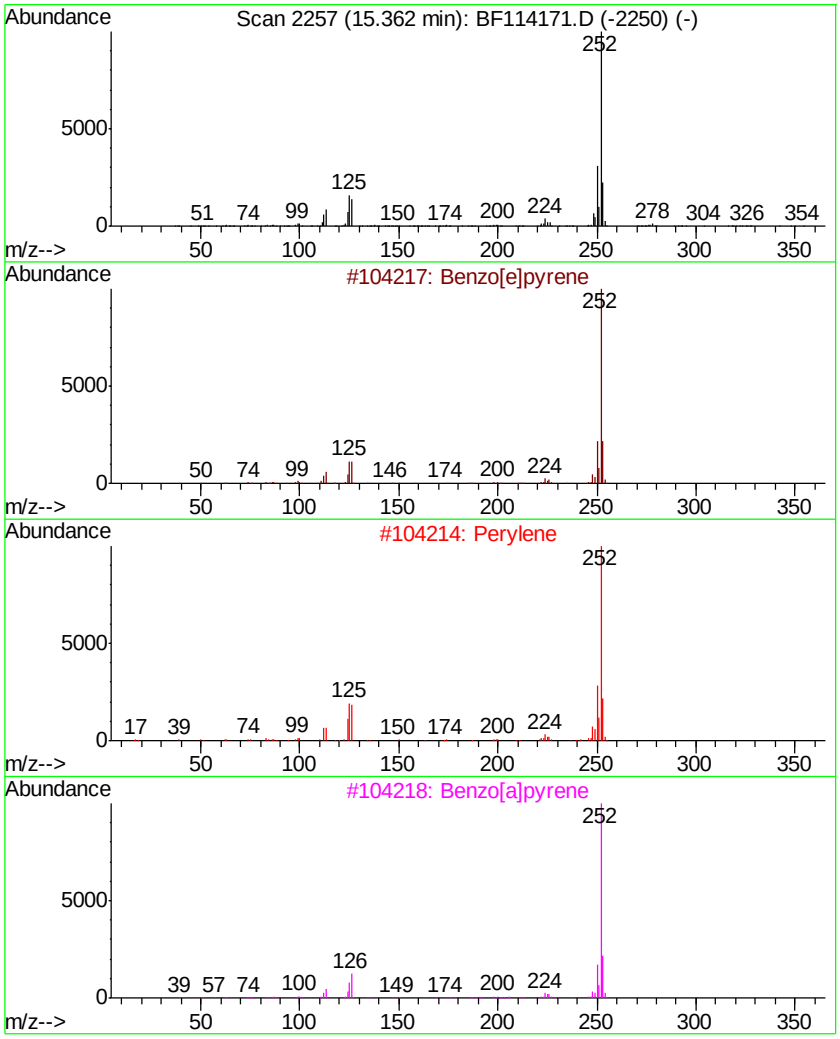
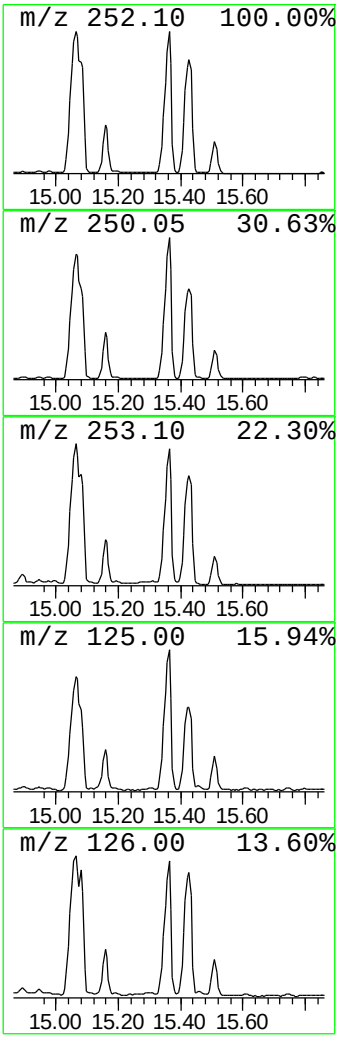
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	58.78 ng	7449410	Perylene-d12	15.48

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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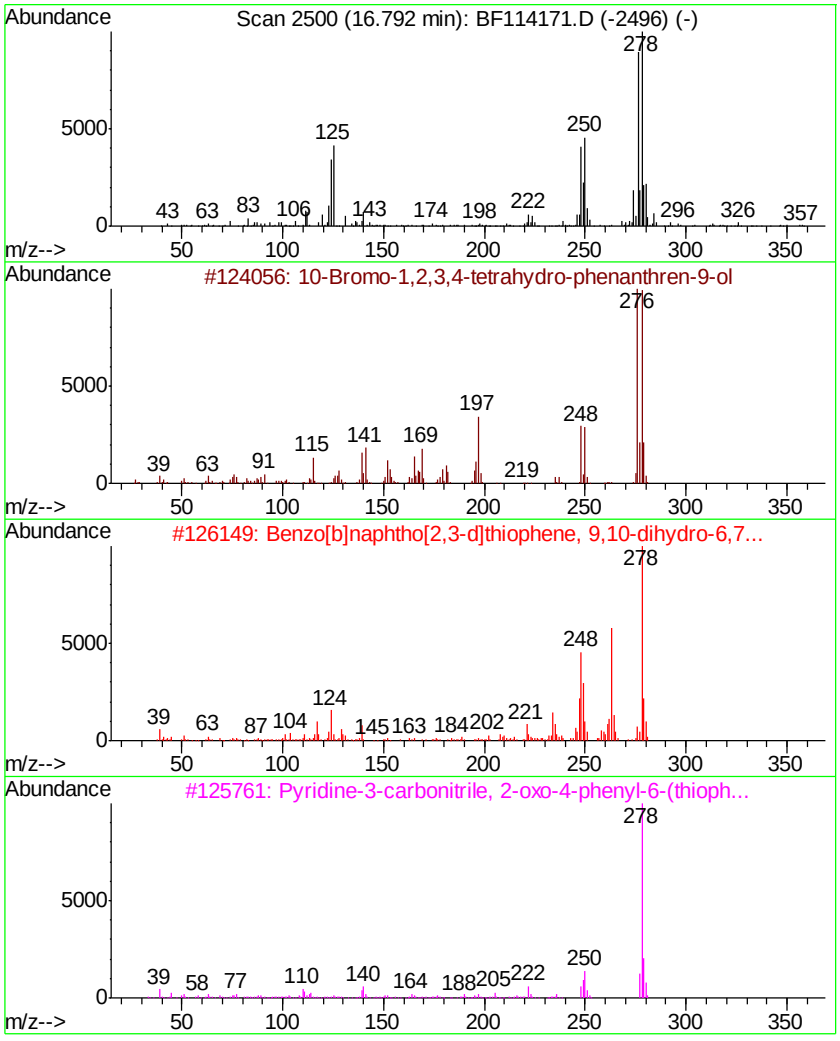
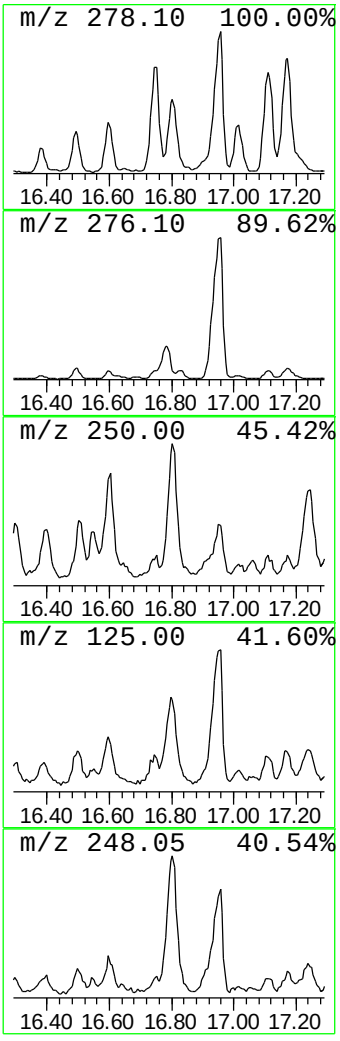
Peak Number 19 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	16.64 ng	2108810	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	52
2	Benzo[b]naphtho[2,3-d]thiophene,...	278	C19H18S	024964-01-0	38
3	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	25
4	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	25
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	25





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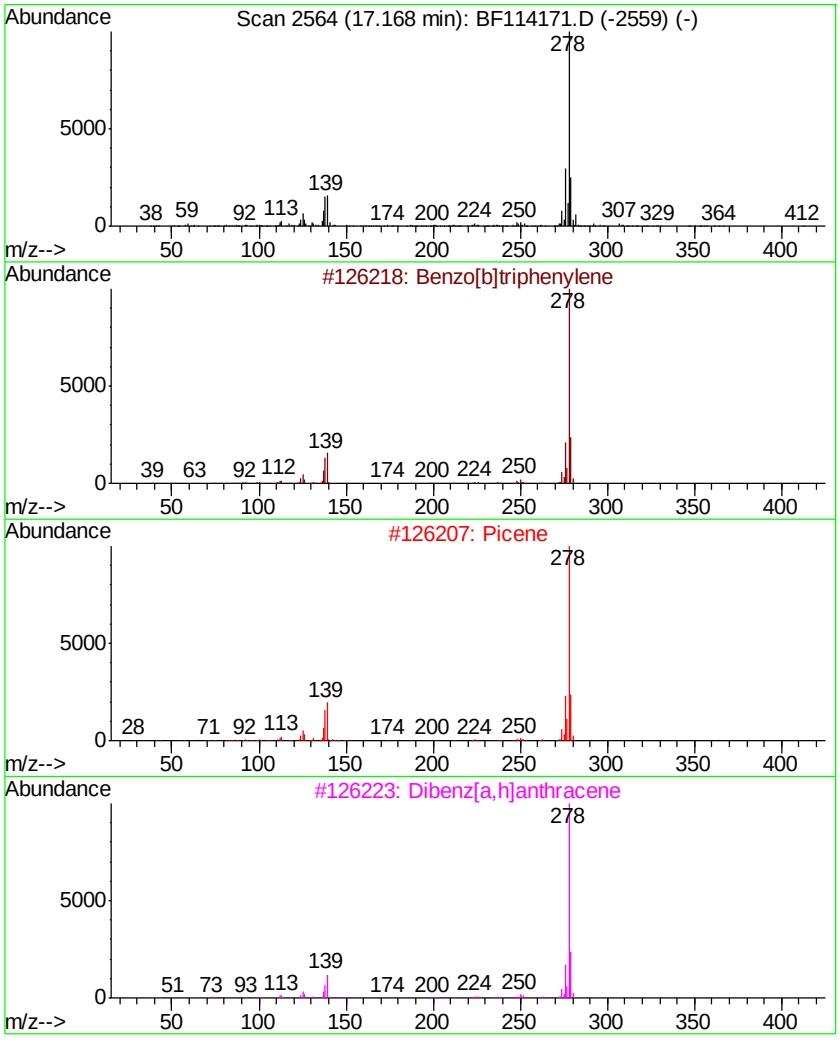
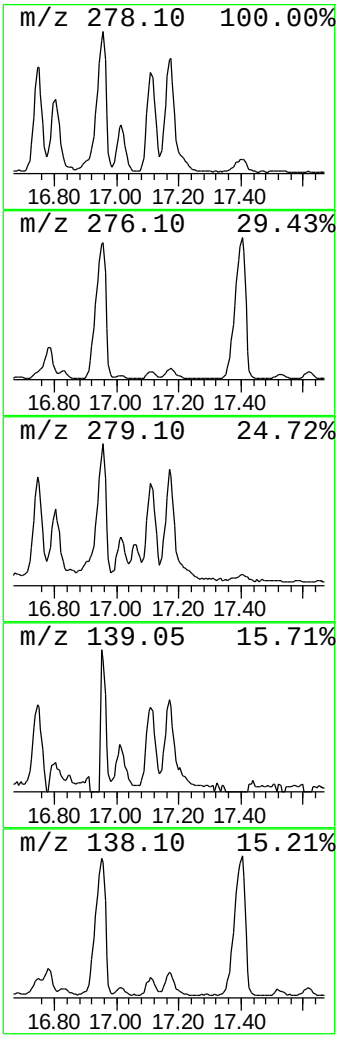
Peak Number 20 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	8.75 ng	1108640	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114171.D
Acq On : 11 May 2019 23:34
Operator : JU/SJ
Sample : K2764-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-0206-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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	24.4	ng	2069580	1	6.85	1697990	20.0
unknown6.62	6.62	88.8	ng	7536350	1	6.85	1697990	20.0
Anthracene, 9-eth...	11.66	12.4	ng	1498290	4	11.37	2414580	20.0
Phenanthrene, 2-m...	11.87	27.7	ng	3340390	4	11.37	2414580	20.0
Anthracene, 9-met...	11.90	32.6	ng	3940920	4	11.37	2414580	20.0
1H-Cyclopropa[l]p...	11.98	40.3	ng	4864710	4	11.37	2414580	20.0
Naphthalene, 2-ph...	12.16	26.8	ng	3235050	4	11.37	2414580	20.0
9,10-Anthracenedione	12.19	26.9	ng	3249840	4	11.37	2414580	20.0
Phenanthrene, 2,5...	12.42	25.5	ng	3082690	4	11.37	2414580	20.0
unknown12.46	12.46	18.1	ng	2189640	4	11.37	2414580	20.0
Cyclopenta(def)ph...	12.51	21.9	ng	2645700	4	11.37	2414580	20.0
6H-Benz[de]anthra...	14.16	9.0	ng	4446970	5	14.02	9855620	20.0
Aceanthrenequinone	14.82	9.7	ng	1223290	6	15.48	2534660	20.0
Benzo[e]pyrene	15.36	58.8	ng	7449410	6	15.48	2534660	20.0
10-Bromo-1,2,3,4-...	16.79	16.6	ng	2108810	6	15.48	2534660	20.0
Benzo[b]triphenylene	17.17	8.8	ng	1108640	6	15.48	2534660	20.0