LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114139.D
Acq On : 10 May 2019 23:40
Operator : JU/SJ
Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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	2.134	3	8	21	rVB	1494540	2058103	9.21%	0.658%
2	5.487	573	578	581	rBV	7130950	6768670	30.29%	2.165%
3	6.492	744	749	752	rBV	7116777	7108539	31.82%	2.273%
4	6.628	768	772	775	rBV	7602056	6929169	31.01%	2.216%
5	6.851	807	810	818	rVB	1804189	1673578	7.49%	0.535%
6	7.010	833	837	841	rBV	5952196	5347970	23.94%	1.710%
7	7.410	898	905	909	rBV	4273512	4349781	19.47%	1.391%
8	8.133	1023	1028	1030	rBV	2221275	1967059	8.80%	0.629%
9	8.157	1030	1032	1035	rVB	1448991	1143631	5.12%	0.366%
10	8.780	1131	1138	1143	rVB	321872	548381	2.45%	0.175%
11	8.845	1146	1149	1153	rVB	783824	607265	2.72%	0.194%
12	9.210	1206	1211	1214	rVB	6541490	5813034	26.02%	1.859%
13	9.610	1274	1279	1285	rVB2	1128976	1670025	7.47%	0.534%
14	9.751	1299	1303	1306	rBV	3057819	2753855	12.33%	0.881%
15	9.886	1323	1326	1330	rVB	2012286	1632492	7.31%	0.522%
16	10.674	1455	1460	1464	rBV	4096022	3715068	16.63%	1.188%
17	10.798	1477	1481	1487	rBV3	670798	821275	3.68%	0.263%
18	11.174	1542	1545	1549	rVB	798349	723583	3.24%	0.231%
19	11.269	1558	1561	1566	rVB	926753	875158	3.92%	0.280%
20	11.374	1575	1579	1580	rBV	1817622	1684558	7.54%	0.539%
21	11.404	1580	1584	1587	rVB	8731113	8400330	37.60%	2.687%
22	11.451	1589	1592	1594	rBV	2277538	1931350	8.64%	0.618%
23	11.668	1623	1629	1632	rVB2	1578602	1615666	7.23%	0.517%
24	11.704	1632	1635	1639	rVB	1462280	1187310	5.31%	0.380%
25	11.786	1647	1649	1653	rVB	667256	666759	2.98%	0.213%
26	11.827	1653	1656	1659	rBV	592009	605016	2.71%	0.194%
27	11.874	1661	1664	1667	rBV	3667240	3812781	17.06%	1.219%
28	11.904	1667	1669	1672	rVB	4862183	4111938	18.40%	1.315%
29	11.951	1674	1677	1679	rBV	808840	576083	2.58%	0.184%
30	11.986	1679	1683	1686	rBV2	5686348	6179416	27.66%	1.976%
31	12.010	1686	1687	1692	rVB	3553191	2589507	11.59%	0.828%
32	12.057	1692	1695	1697	rBV2	539554	540657	2.42%	0.173%
33	12.110	1701	1704	1706	rVB	798750	664203	2.97%	0.212%
34	12.168	1707	1714	1717	rBV	3557399	4212604	18.85%	1.347%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
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Acq On : 10 May 2019 23:40
Operator : JU/SJ
Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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	12.204	1717	1720	1725	rVB2	4221376	4210875	18.85%	1.347%
36	12.304	1734	1737	1738	rBV	733762	695620	3.11%	0.222%
37	12.351	1743	1745	1747	rVB	1051522	731523	3.27%	0.234%
38	12.374	1747	1749	1752	rVB2	1042688	900471	4.03%	0.288%
39	12.427	1752	1758	1761	rBV2	3804778	4763359	21.32%	1.523%
40	12.457	1761	1763	1766	rVB3	1397089	1706092	7.64%	0.546%
41	12.486	1766	1768	1770	rVB	1228006	949913	4.25%	0.304%
42	12.521	1770	1774	1778	rBV	3352669	3955197	17.70%	1.265%
43	12.598	1782	1787	1790	rBV	10707956	14140503	63.29%	4.523%
44	12.633	1790	1793	1795	rBV	1067089	1017922	4.56%	0.326%
45	12.686	1799	1802	1805	rVB	3142861	2716537	12.16%	0.869%
46	12.733	1806	1810	1813	rBV3	2114629	2563326	11.47%	0.820%
47	12.763	1813	1815	1821	rVB3	705581	662146	2.96%	0.212%
48	12.839	1821	1828	1831	rVB	13394782	22342823	100.00%	7.146%
49	12.874	1831	1834	1838	rVB4	1225479	1552752	6.95%	0.497%
50	12.957	1845	1848	1856	rVB	5192226	6312511	28.25%	2.019%
51	13.039	1858	1862	1869	rBV2	3179683	5409616	24.21%	1.730%
52	13.092	1869	1871	1874	rBV2	848096	840563	3.76%	0.269%
53	13.127	1874	1877	1878	rBV2	2850952	3025094	13.54%	0.968%
54	13.192	1883	1888	1889	rBV5	730077	856185	3.83%	0.274%
55	13.215	1889	1892	1895	rVV	1090033	1311234	5.87%	0.419%
56	13.257	1895	1899	1902	rVV	4836465	4829382	21.61%	1.545%
57	13.315	1906	1909	1911	rBV2	442774	542960	2.43%	0.174%
58	13.345	1911	1914	1917	rVV	4065782	4326804	19.37%	1.384%
59	13.380	1917	1920	1922	rVB	3883674	3473040	15.54%	1.111%
60	13.462	1930	1934	1937	rVB3	673919	680971	3.05%	0.218%
61	13.657	1963	1967	1971	rVB	3346191	3457287	15.47%	1.106%
62	13.762	1980	1985	1988	rBV	3363289	4260497	19.07%	1.363%
63	13.792	1988	1990	1993	rVV	3286334	3348520	14.99%	1.071%
64	13.821	1993	1995	1997	rVV	2979155	2432862	10.89%	0.778%
65	13.862	1997	2002	2006	rVB2	2588580	3386216	15.16%	1.083%
66	14.015	2022	2028	2030	rBV2	8696799	12079218	54.06%	3.863%
67	14.051	2030	2034	2041	rVV	9083575	13441535	60.16%	4.299%
68	14.104	2041	2043	2047	rVV2	799368	805202	3.60%	0.258%
69	14.139	2047	2049	2051	rVV2	814765	951936	4.26%	0.304%
70	14.168	2051	2054	2062	rVB2	3850686	5232545	23.42%	1.674%
71	14.274	2069	2072	2075	rVV2	890901	815056	3.65%	0.261%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2764-11
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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	14.333	2079	2082	2085	rVB3	605170	651127	2.91%	0.208%
73	14.368	2085	2088	2090	rBV2	1002349	1100921	4.93%	0.352%
74	14.404	2090	2094	2097	rVV	3004603	3585117	16.05%	1.147%
75	14.439	2097	2100	2104	rVV2	2258094	2715093	12.15%	0.868%
76	14.486	2104	2108	2112	rVV3	1989830	3188858	14.27%	1.020%
77	14.533	2112	2116	2117	rVV2	1937158	2158231	9.66%	0.690%
78	14.551	2117	2119	2122	rVV	1915669	1600752	7.16%	0.512%
79	14.598	2125	2127	2130	rVB	1651759	1447814	6.48%	0.463%
80	14.739	2148	2151	2156	rBV4	428417	590599	2.64%	0.189%
81	14.827	2163	2166	2170	rVB2	1165800	1380156	6.18%	0.441%
82	14.892	2174	2177	2185	rVB3	607042	1181042	5.29%	0.378%
83	14.957	2185	2188	2190	rBV3	479870	560251	2.51%	0.179%
84	15.068	2200	2207	2214	rBV	5929690	13439974	60.15%	4.298%
85	15.168	2220	2224	2228	rVB	1549863	1690705	7.57%	0.541%
86	15.368	2252	2258	2263	rVB	4870674	7170803	32.09%	2.293%
87	15.439	2263	2270	2273	rBV	5183740	7487138	33.51%	2.395%
88	15.486	2273	2278	2281	rVV2	1084917	1857258	8.31%	0.594%
89	15.521	2281	2284	2290	rVB2	981694	1692771	7.58%	0.541%
90	15.804	2328	2332	2336	rBV	464498	655922	2.94%	0.210%
91	15.839	2336	2338	2345	rVB	492248	651090	2.91%	0.208%
92	15.927	2348	2353	2357	rBV4	410375	716952	3.21%	0.229%
93	16.003	2363	2366	2370	rVB2	479567	668449	2.99%	0.214%
94	16.051	2370	2374	2377	rBV2	490081	653368	2.92%	0.209%
95	16.615	2464	2470	2483	rVB4	598908	2126644	9.52%	0.680%
96	16.803	2498	2502	2515	rVB4	742651	1944176	8.70%	0.622%
97	16.962	2521	2529	2536	rVB2	2367659	5064996	22.67%	1.620%
98	17.127	2552	2557	2561	rBV	438973	767417	3.43%	0.245%
99	17.186	2562	2567	2572	rBV	483062	896624	4.01%	0.287%
100	17.415	2597	2606	2614	rVB	2152672	5012072	22.43%	1.603%

Sum of corrected areas: 312669427

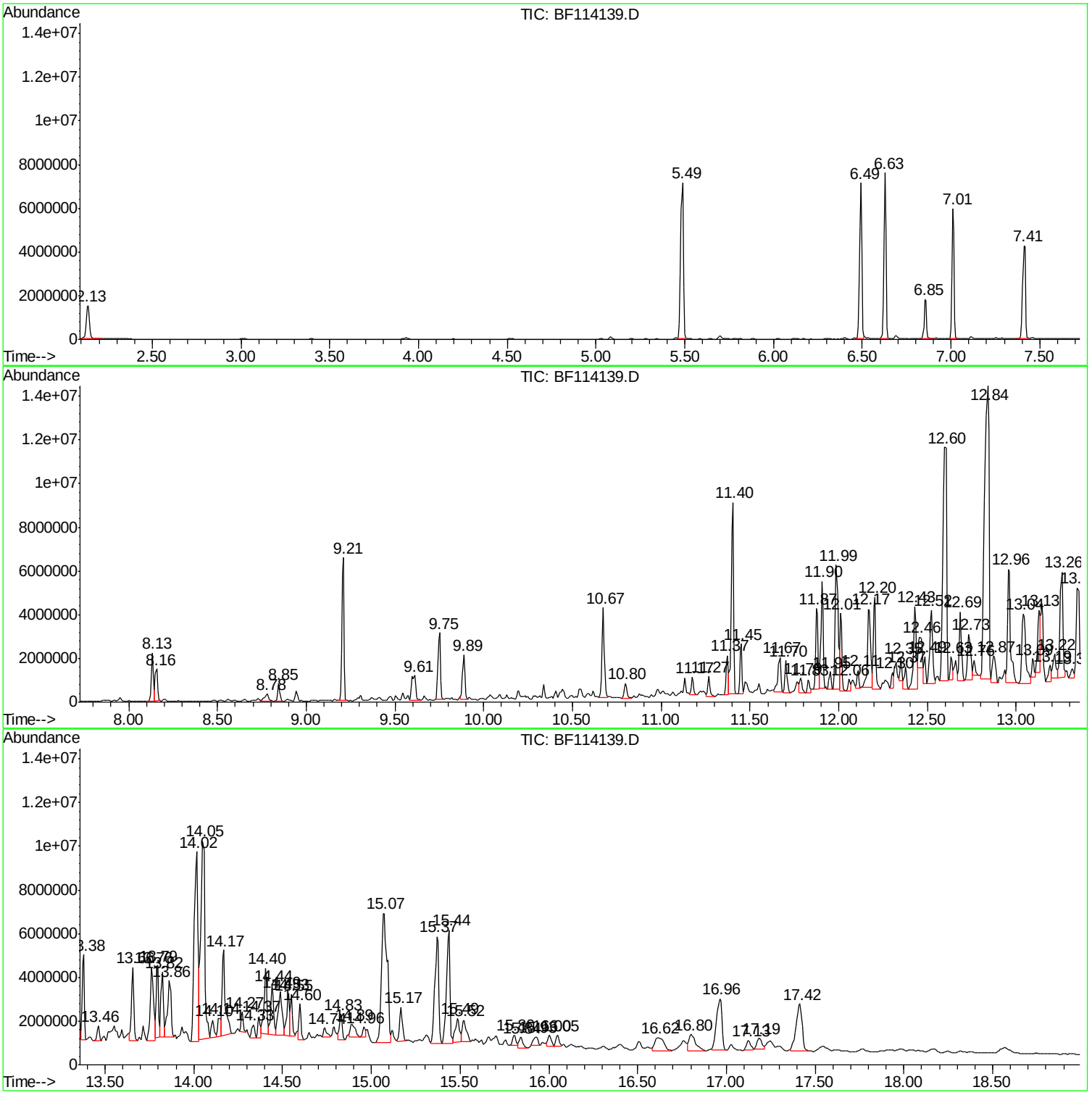
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114139.D
Acq On : 10 May 2019 23:40
Operator : JU/SJ
Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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\BF051019\
Data File : BF114139.D
Acq On : 10 May 2019 23:40
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Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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

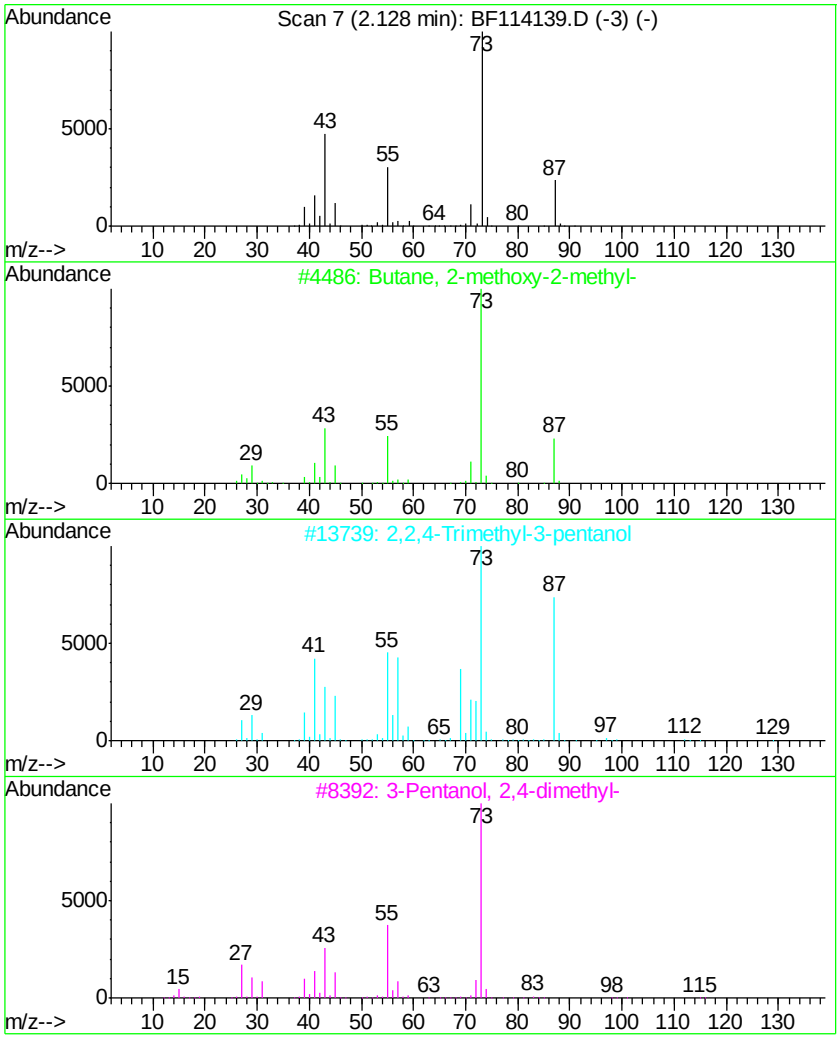
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

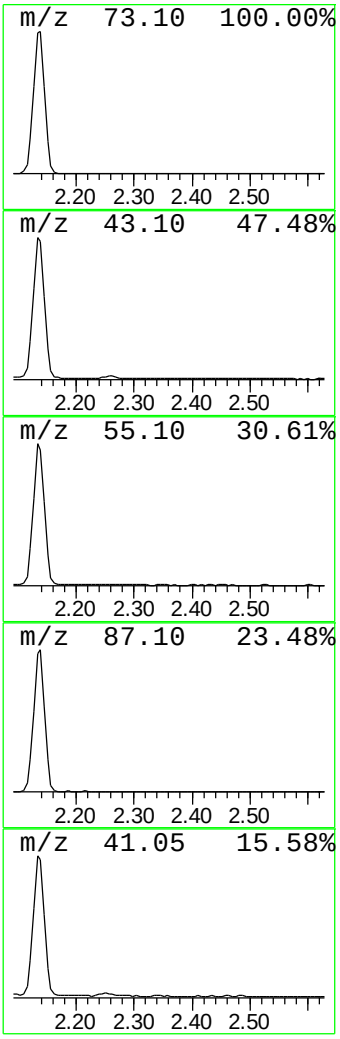
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	24.60 ng	2058100	1,4-Dichlorobenzene-d4	6.86

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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

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

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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

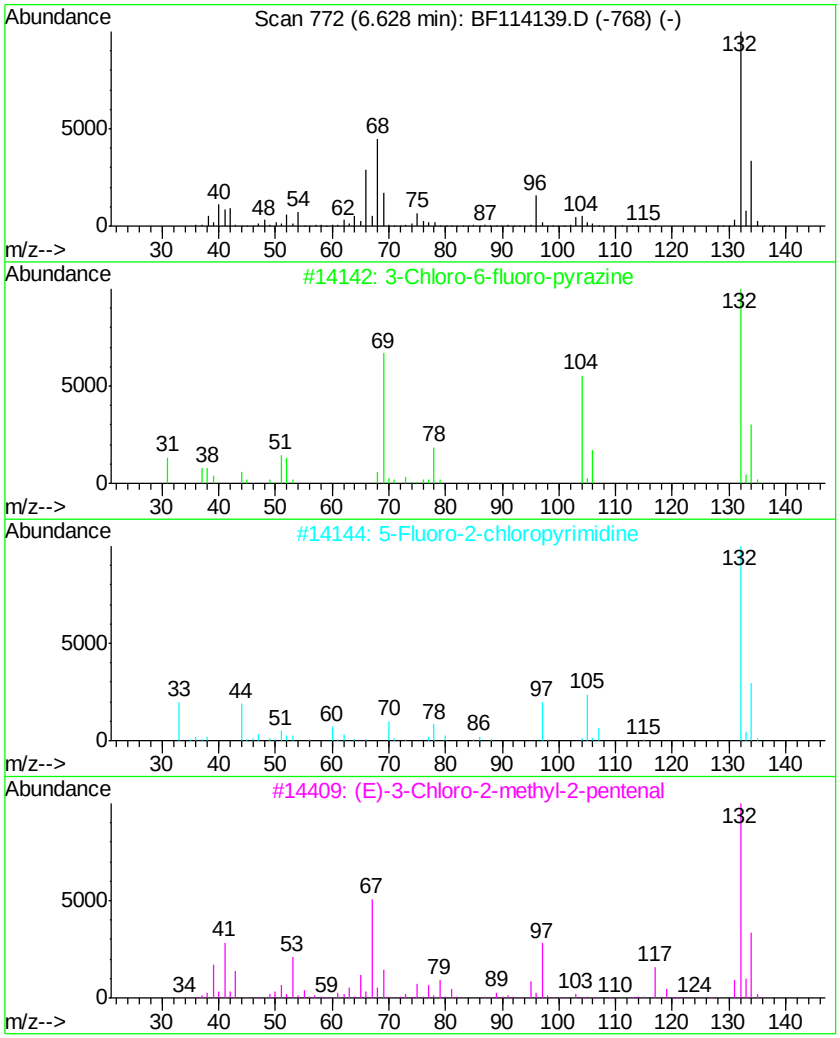
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

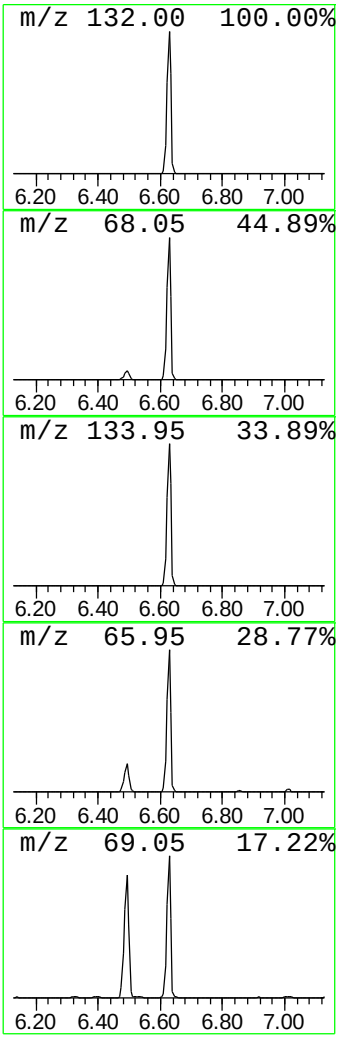
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	82.81 ng	6929170	1,4-Dichlorobenzene-d4	6.86

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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

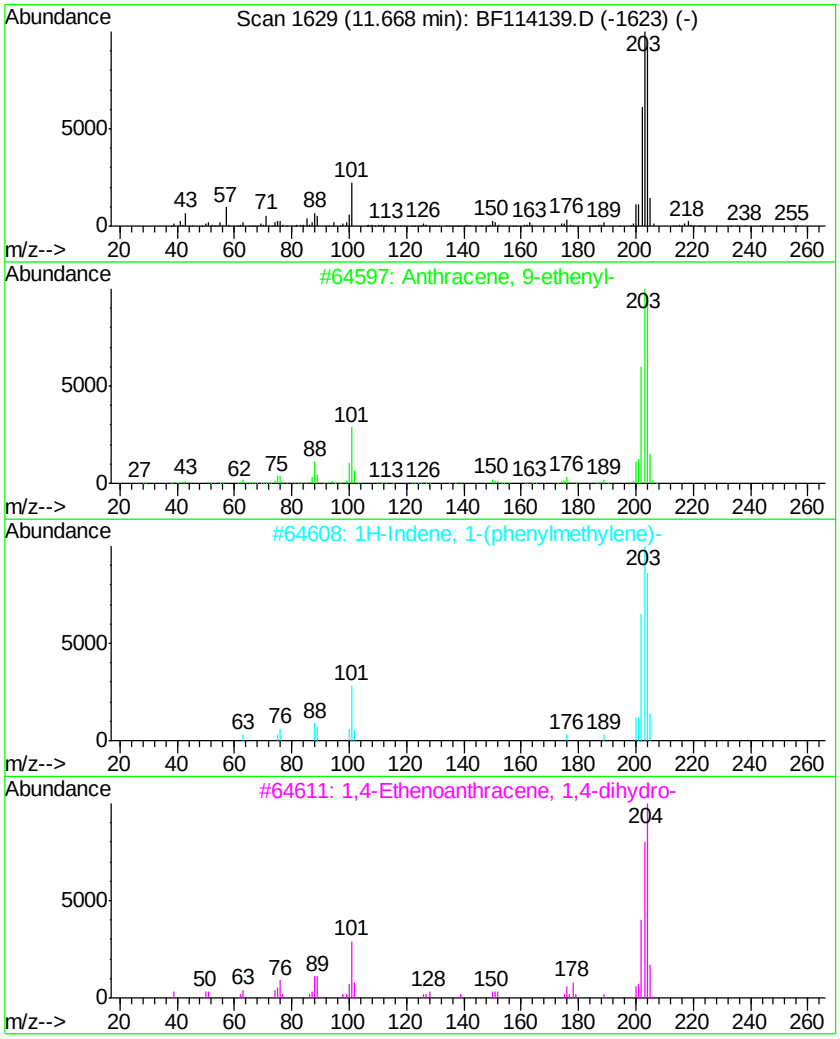
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

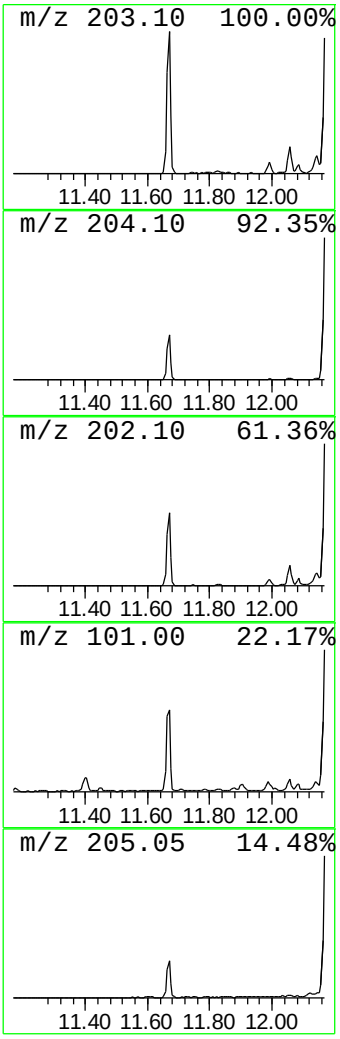
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	19.18 ng	1615670	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	74
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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

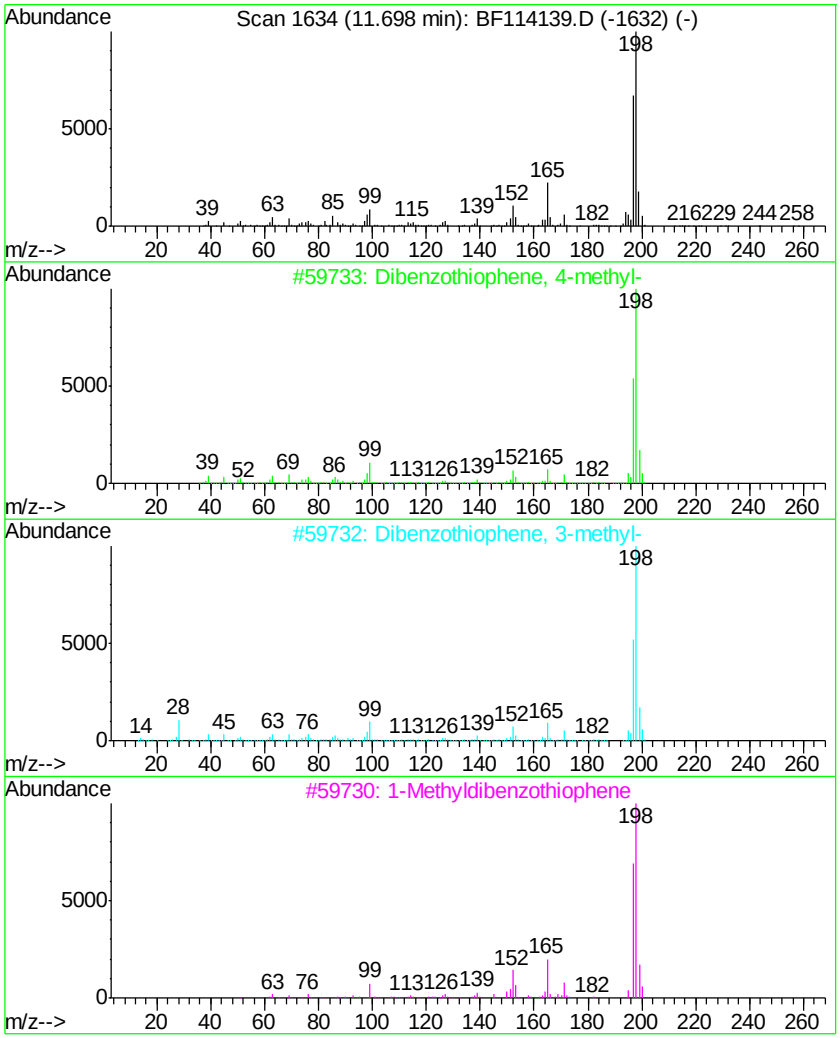
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

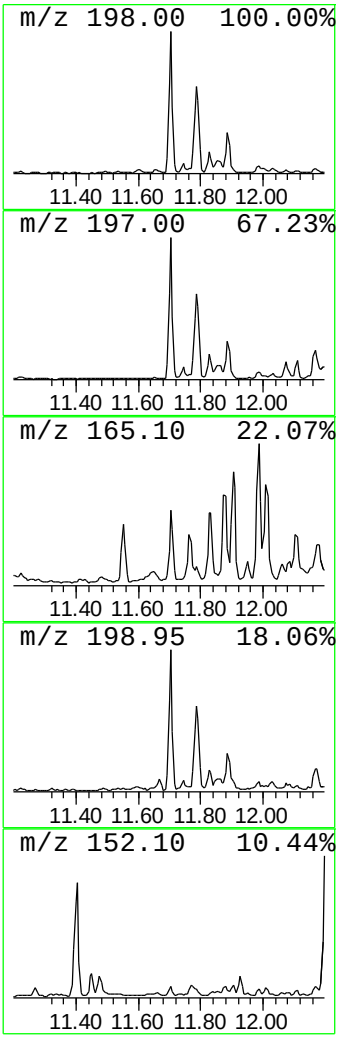
****

Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	14.10 ng	1187310	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	76
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	64
5	Thioxanthene	198	C13H10S	000261-31-4	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114139.D
Acq On : 10 May 2019 23:40
Operator : JU/SJ
Sample : K2764-11
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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

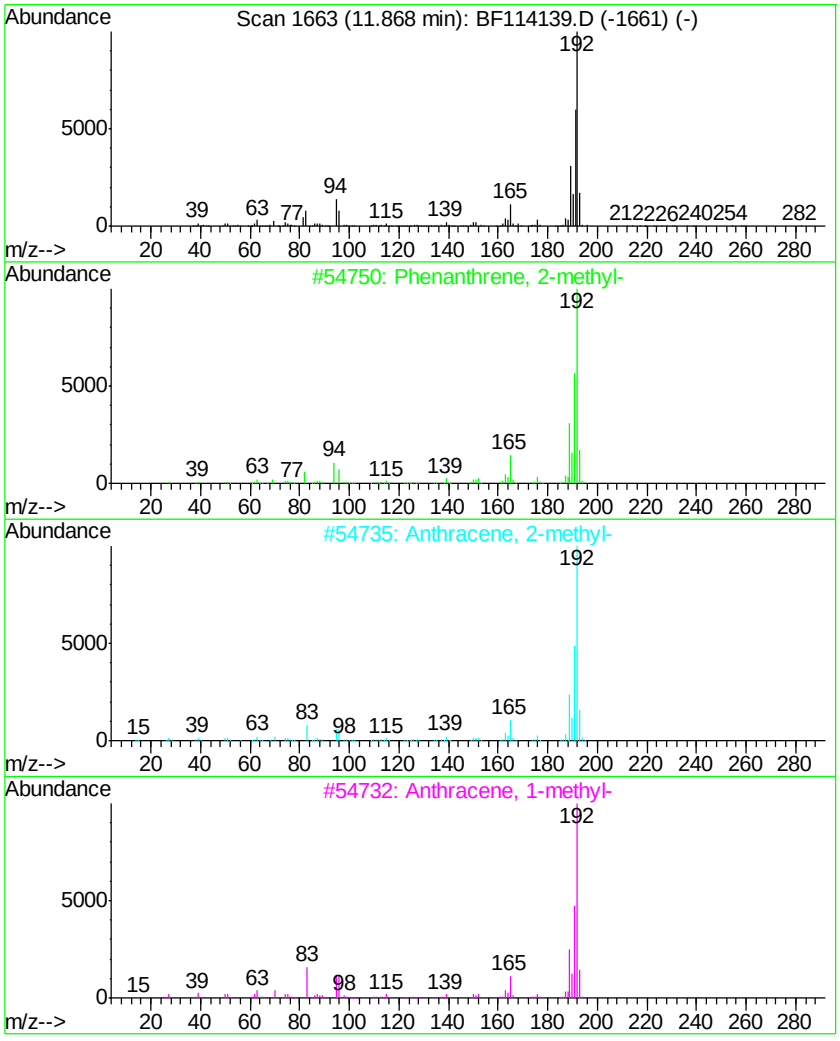
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

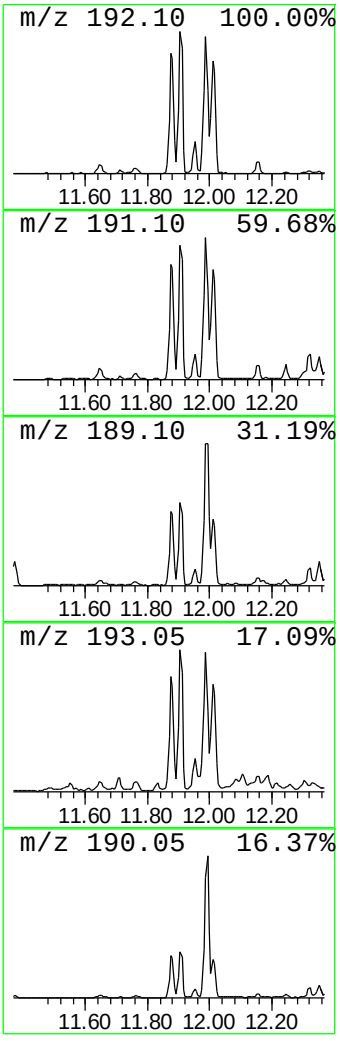
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	45.27 ng	3812780	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

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Data File : BF114139.D
Acq On : 10 May 2019 23:40
Operator : JU/SJ
Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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

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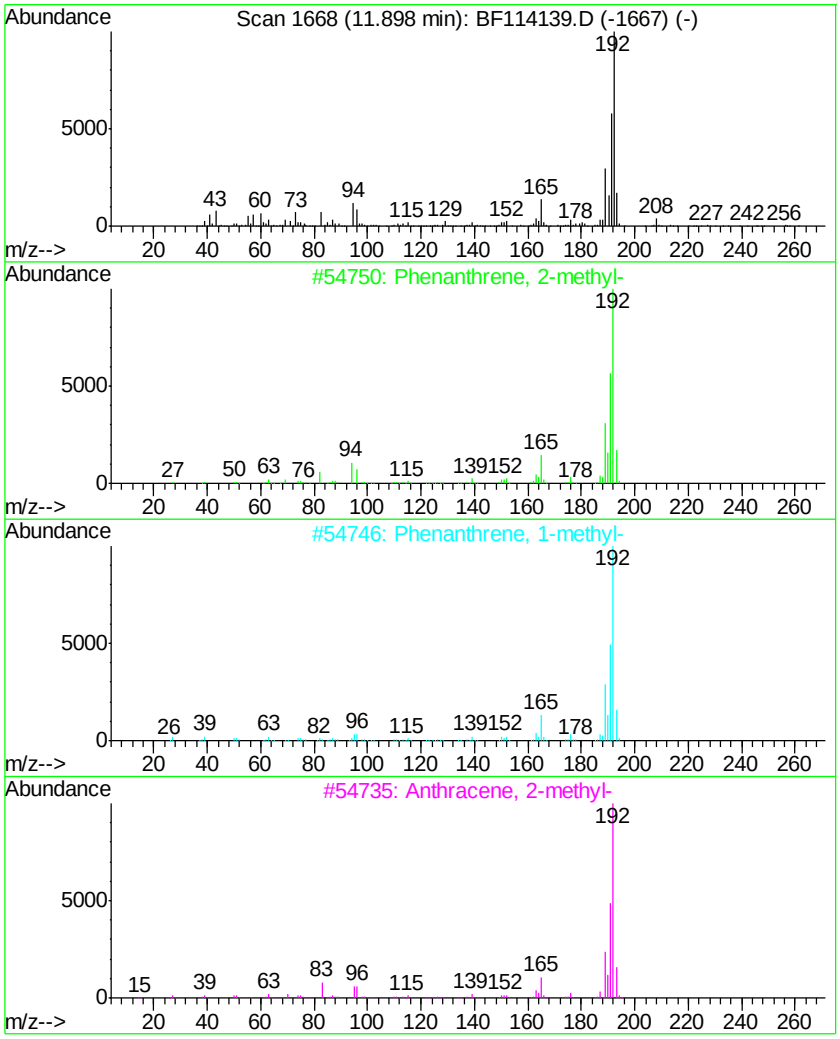
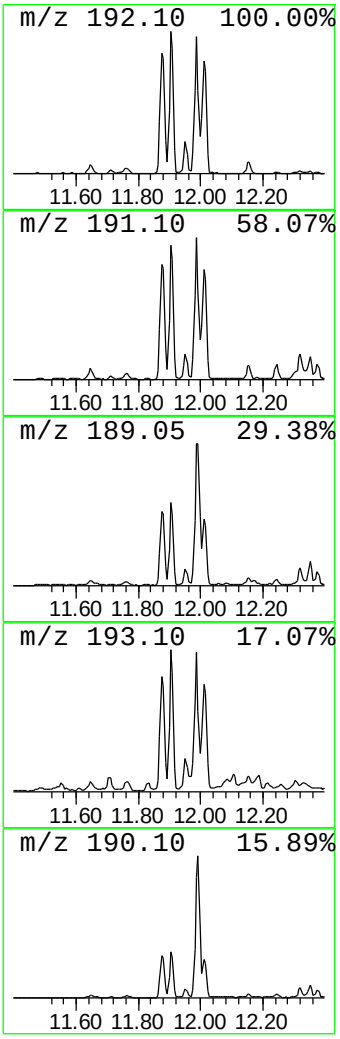
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	48.82 ng	4111940	Phenanthrene-d10	11.37

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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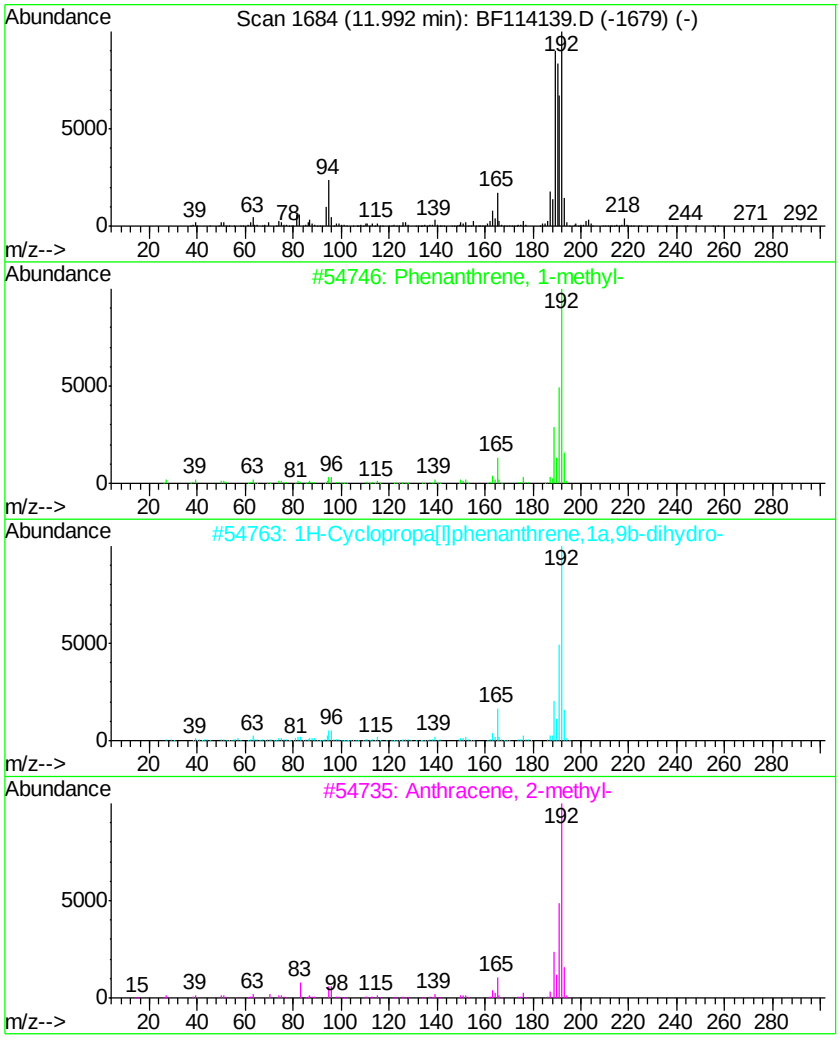
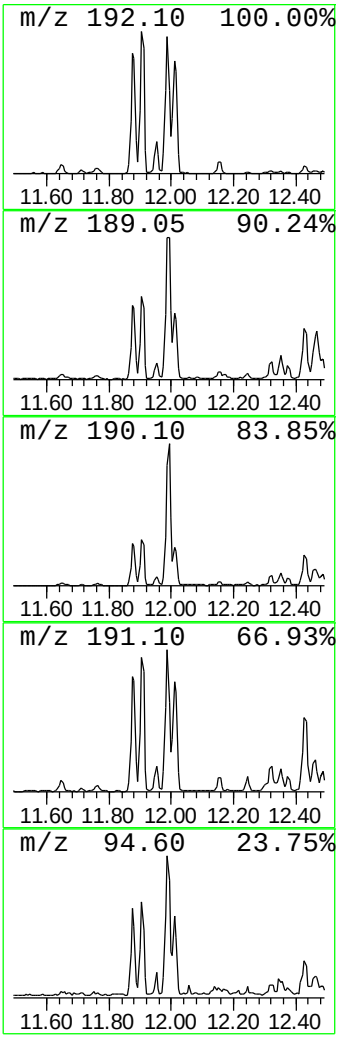
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	73.37 ng	6179420	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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Sample : K2764-11
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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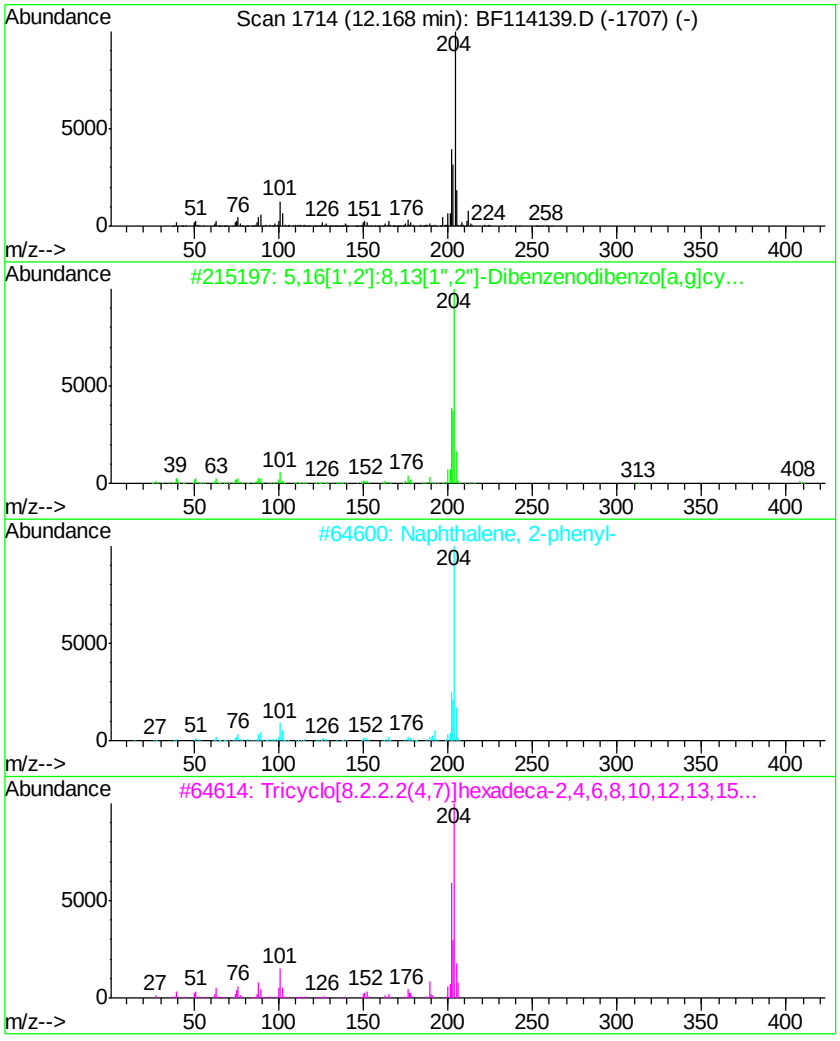
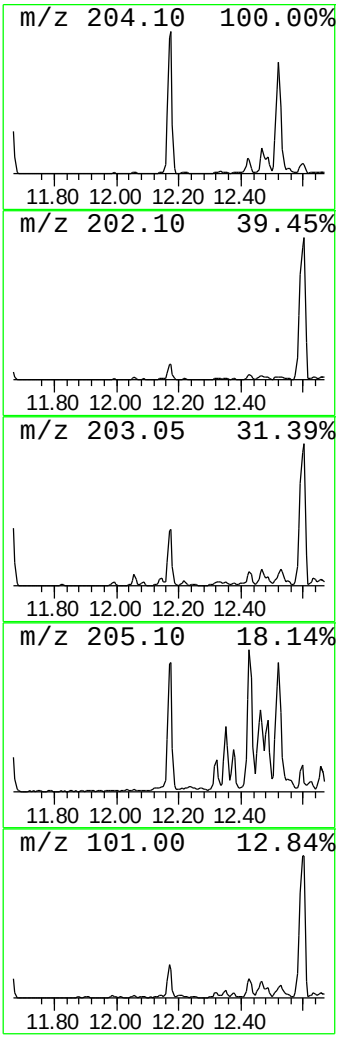
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	50.01 ng	4212600	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	46





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Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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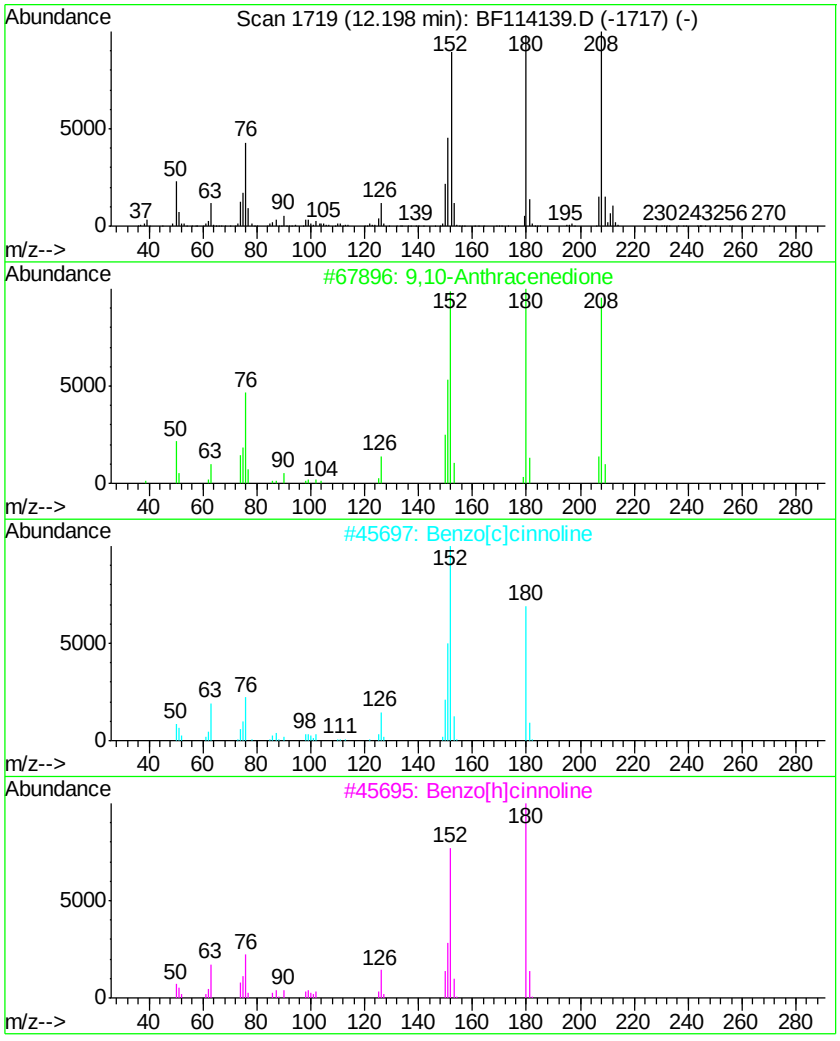
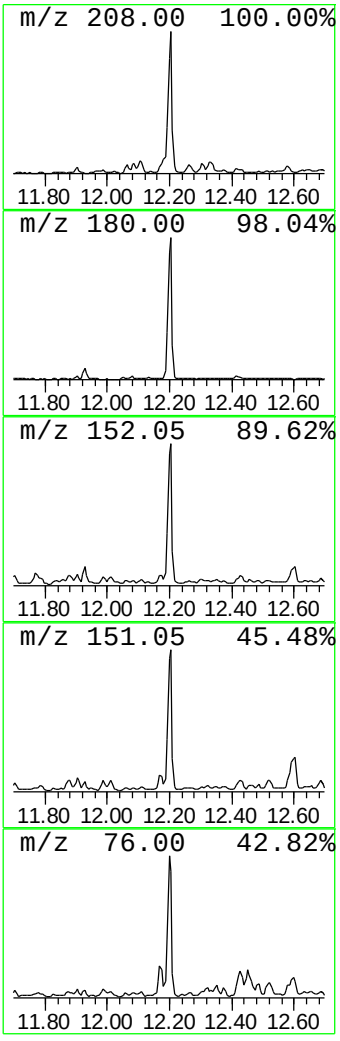
Peak Number 11 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	49.99 ng	4210880	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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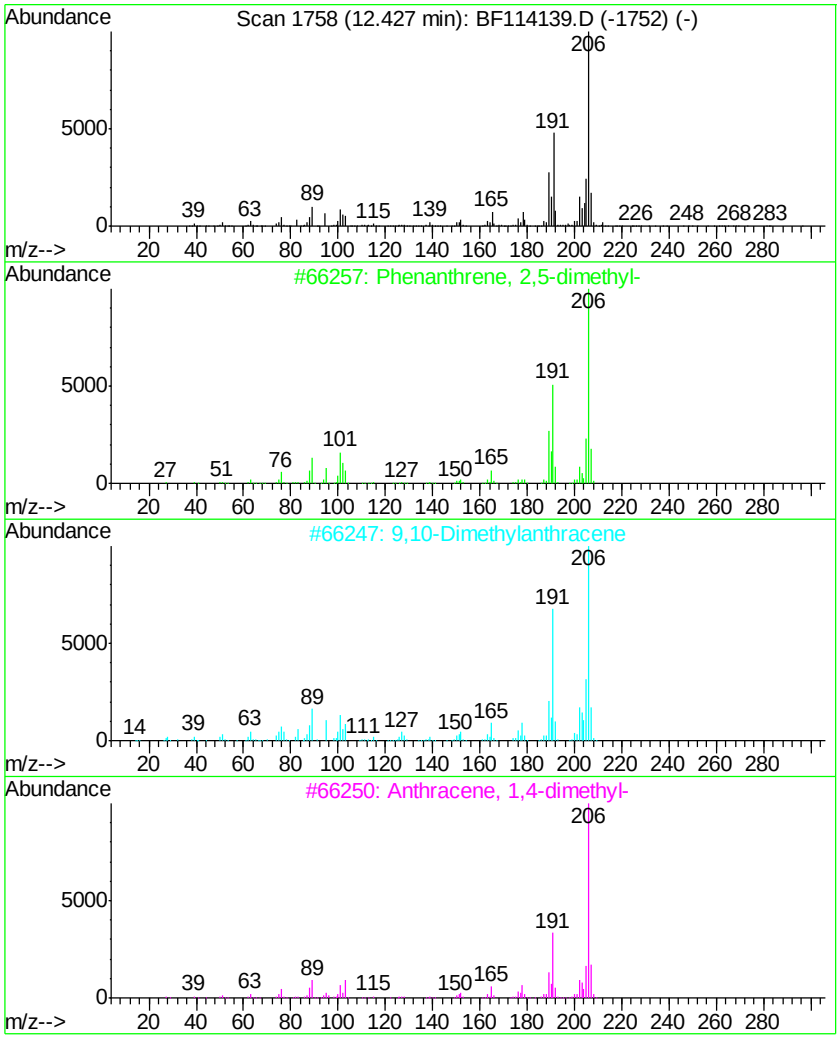
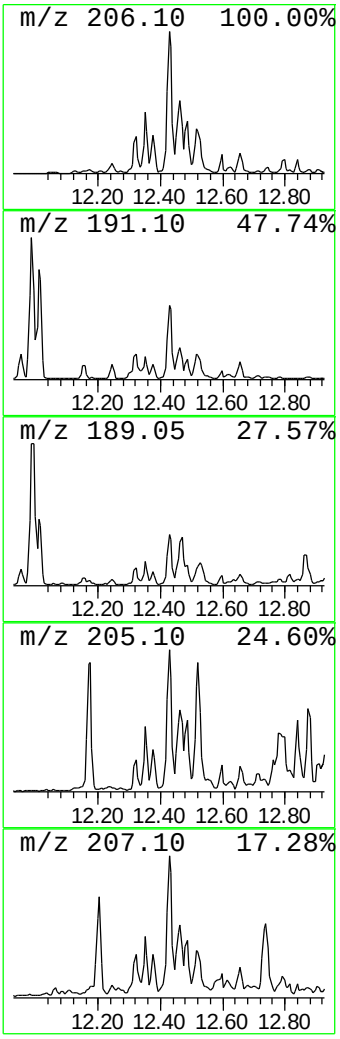
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	56.55 ng	4763360	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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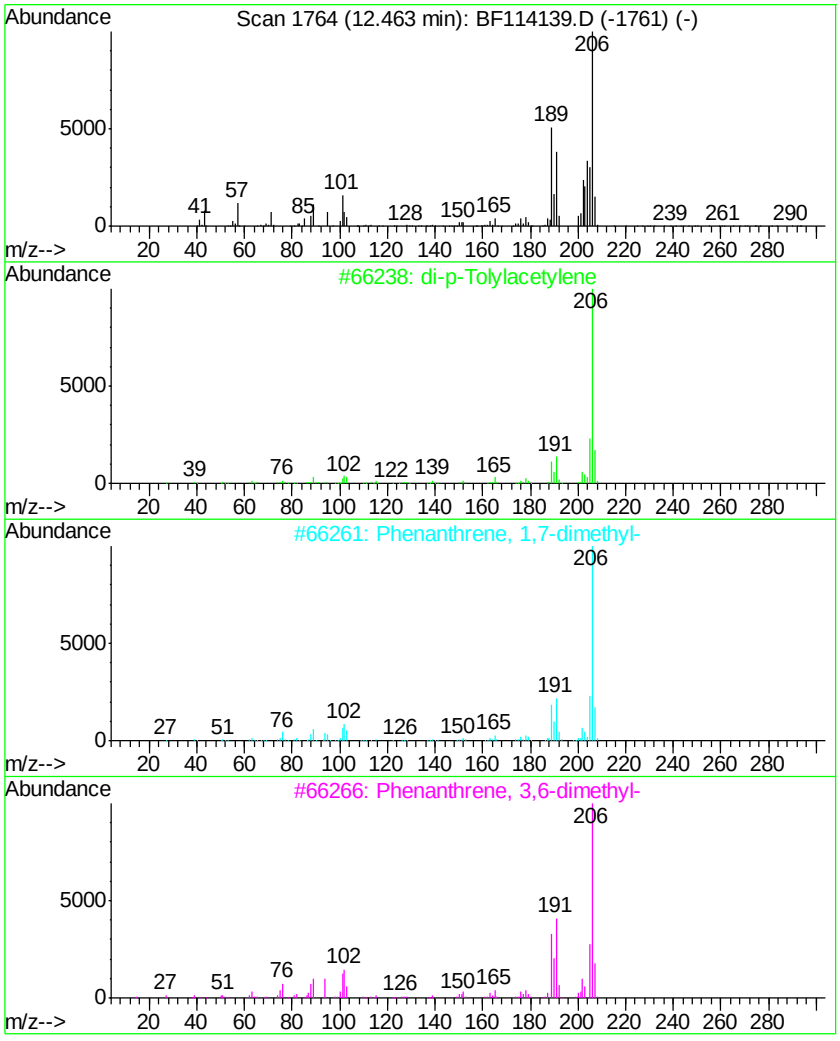
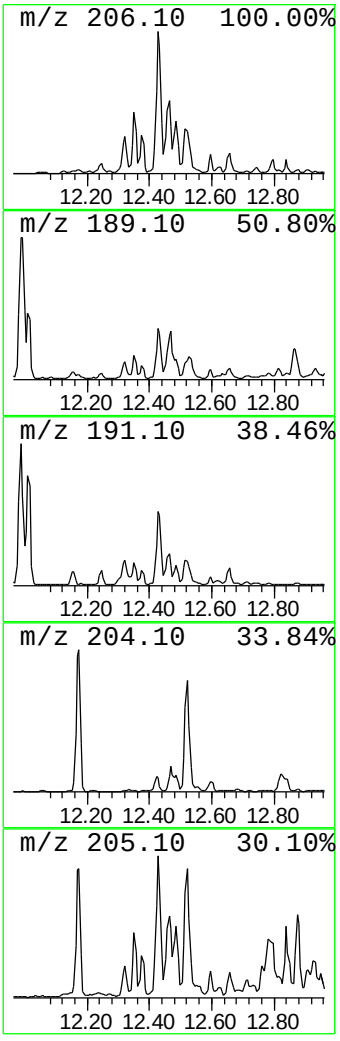
Peak Number 13 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	20.26 ng	1706090	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : K2764-11
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ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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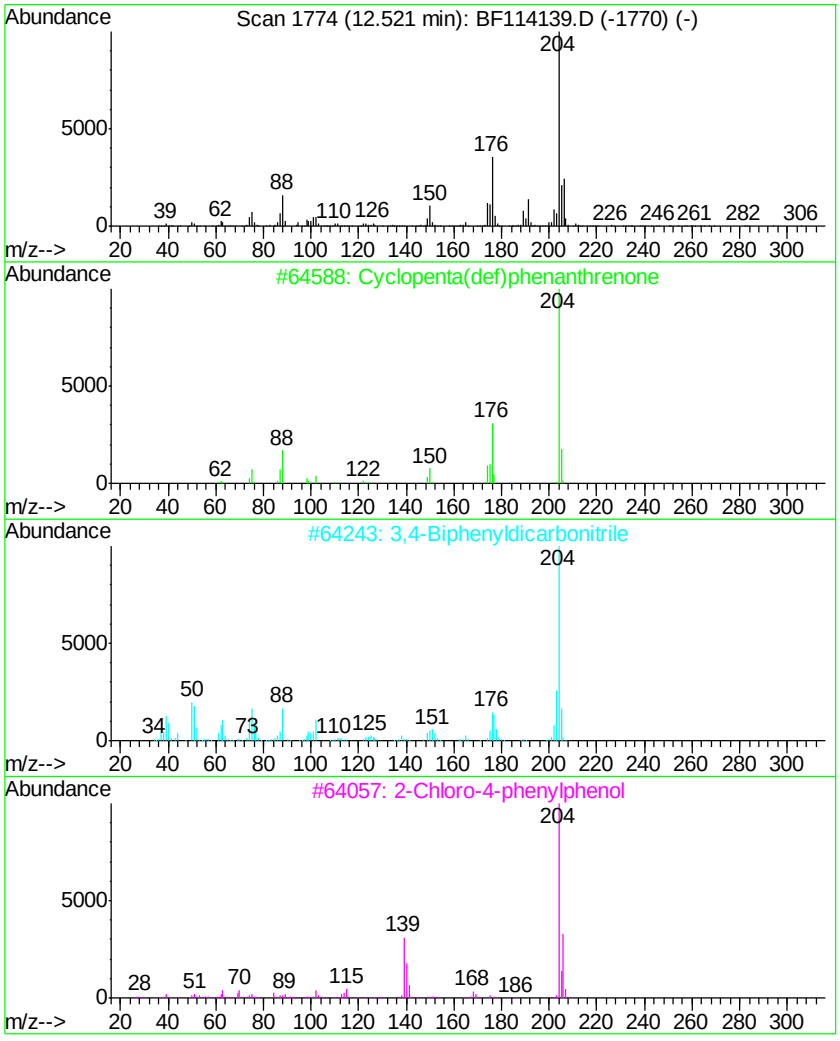
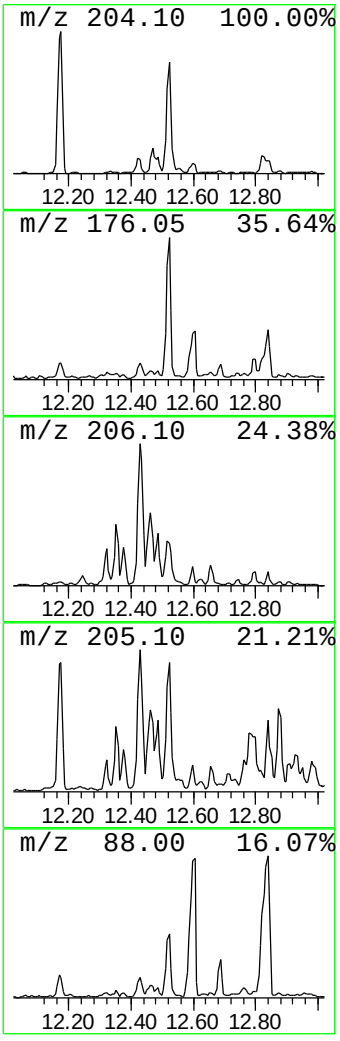
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	46.96 ng	3955200	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





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Sample : K2764-11
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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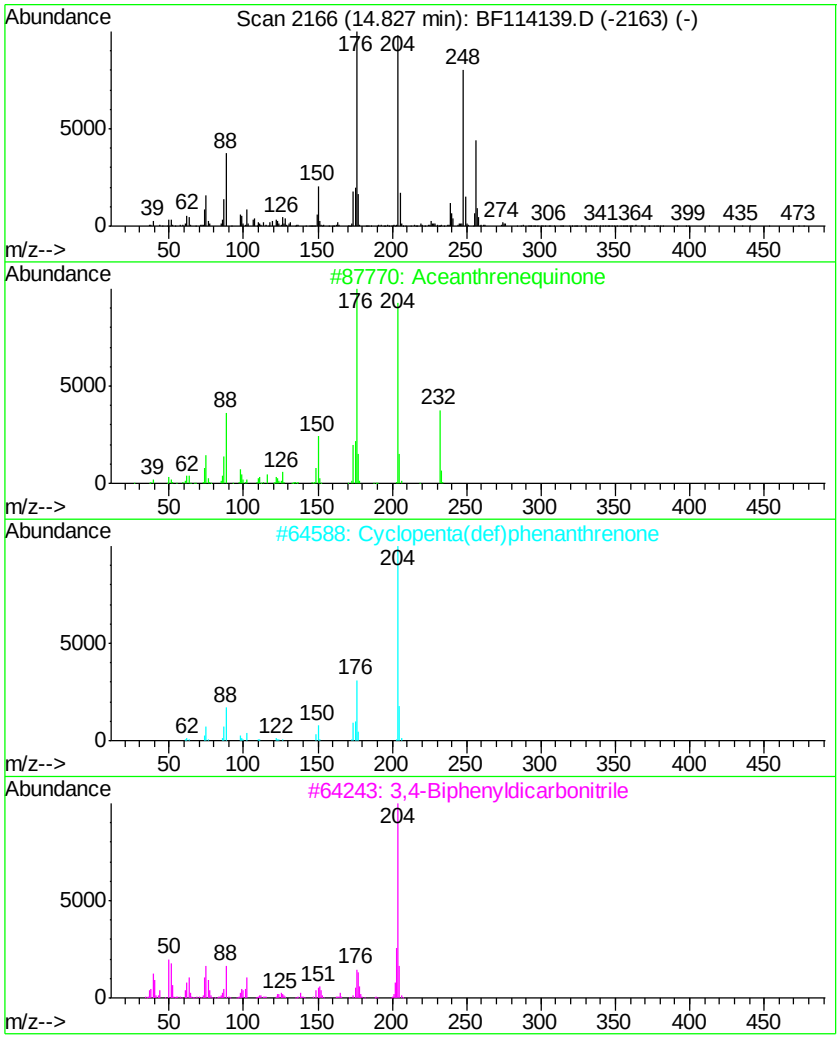
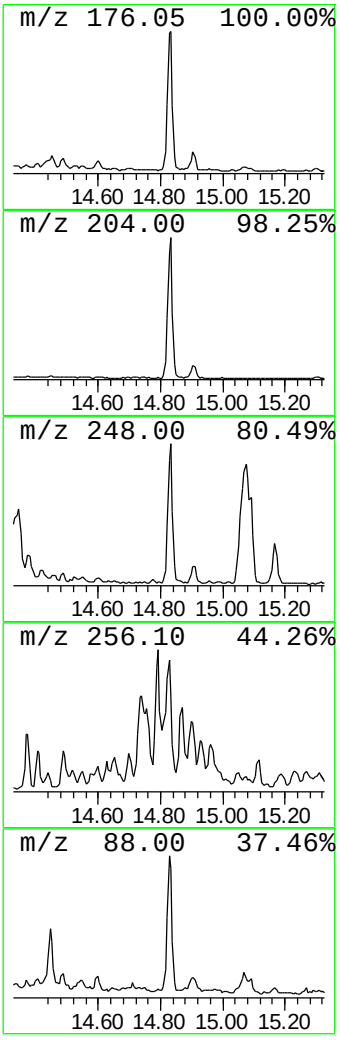
Peak Number 16 Aceanthrenequinone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	14.86 ng	1380160	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aceanthrenequinone	232	C16H8O2	006373-11-1	60
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	22
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	14
4	9H-Fluoren-9-one, 3,6-dichloro-	248	C13H6Cl2O	034223-82-0	14
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	11





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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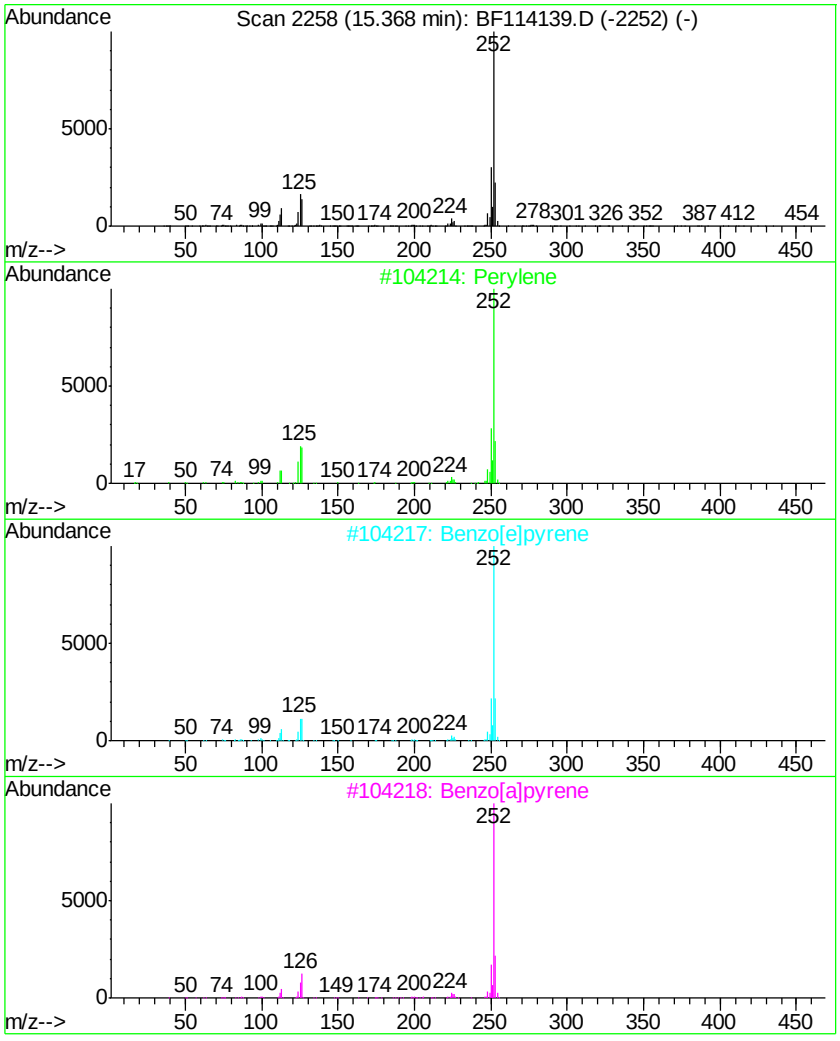
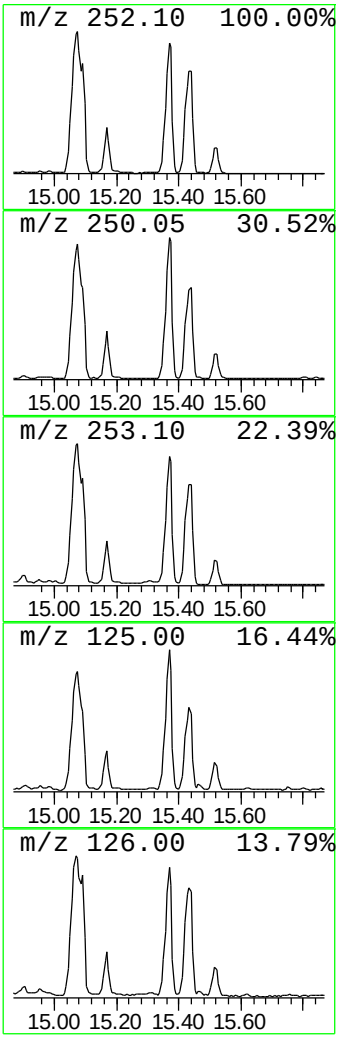
Peak Number 18 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	77.22 ng	7170800	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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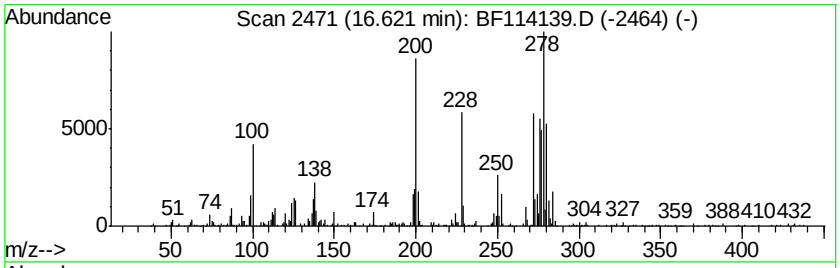
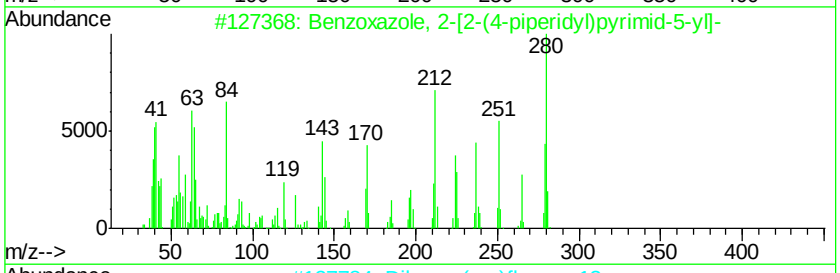
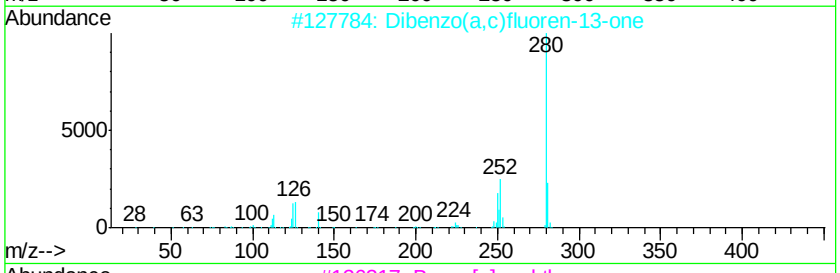
Peak Number 19 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 14

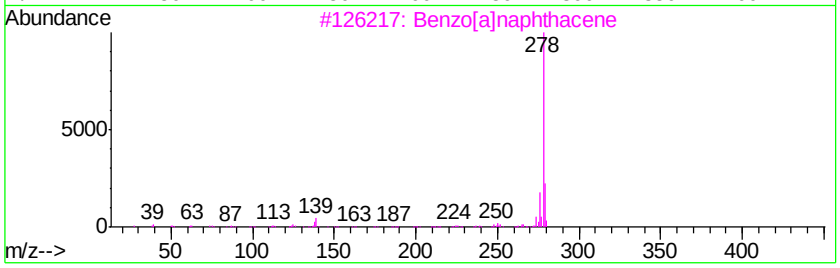
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	22.90 ng	2126640	Perylene-d12	15.49

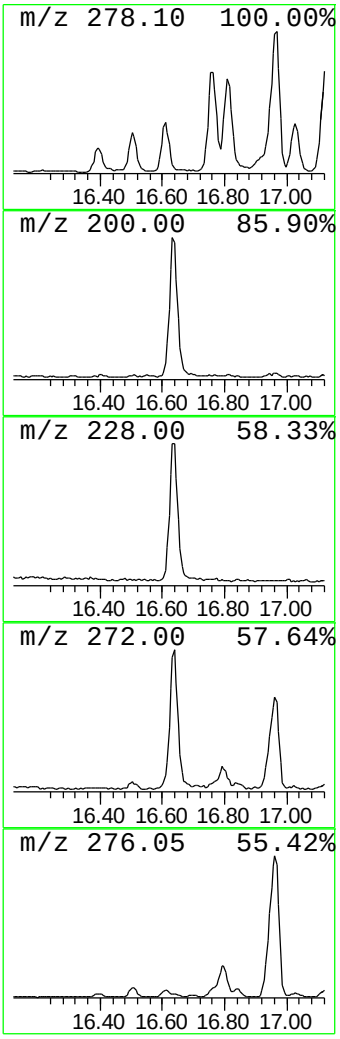
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	59
2	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	44
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	27
4	N-(p-Bromophenyl)selenoacetamide	277	C8H8BrNSe	062448-80-0	25
5	Pentacene	278	C22H14	000135-48-8	22











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Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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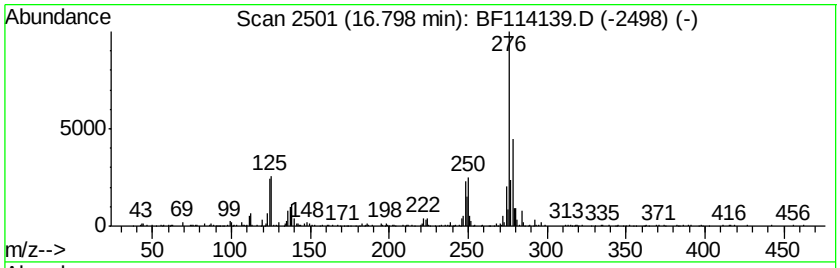
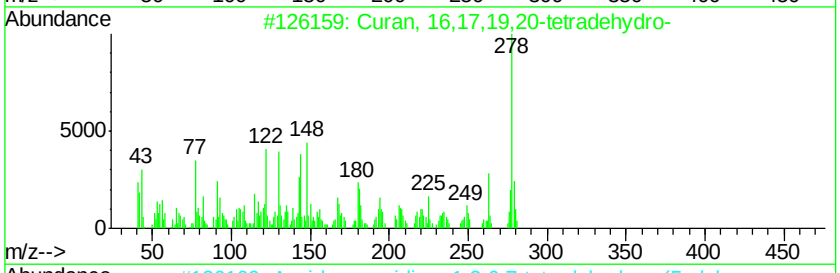
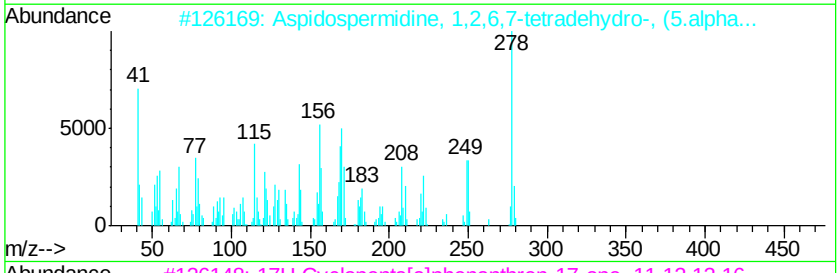
Peak Number 20 Curan, 16,17,19,20-tetradeh... Concentration Rank 15

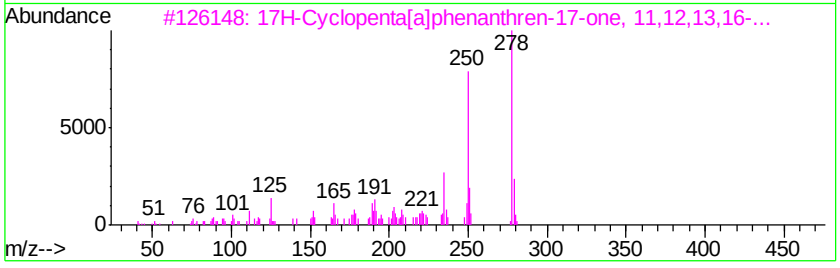
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	20.94 ng	1944180	Perylene-d12	15.49

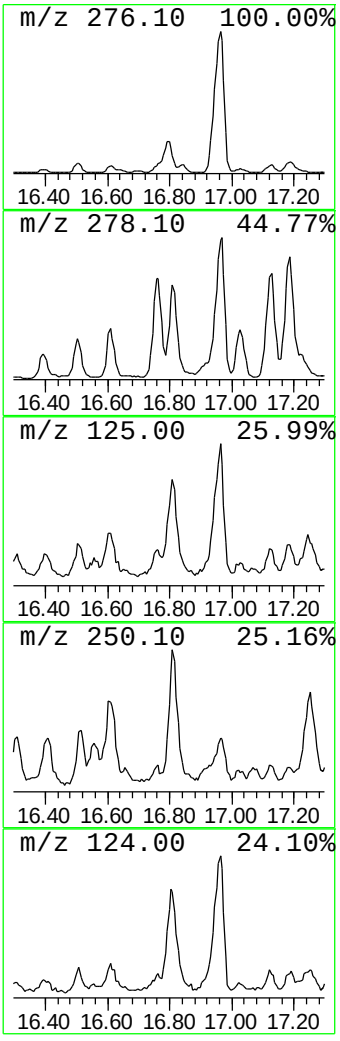
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Curan, 16,17,19,20-tetradehydro-	278	C19H22N2	056053-17-9	96
2	Aspidospermidine, 1,2,6,7-tetrad...	278	C19H22N2	032975-46-5	50
3	17H-Cyclopenta[a]phenanthren-17-...	278	C19H18O2	056614-59-6	38
4	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	38
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	38











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114139.D
Acq On : 10 May 2019 23:40
Operator : JU/SJ
Sample : K2764-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS001-0002-01

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...	2.13	24.6	ng	2058100	1	6.86	1673580	20.0
unknown6.63	6.63	82.8	ng	6929170	1	6.86	1673580	20.0
Anthracene, 9-eth...	11.67	19.2	ng	1615670	4	11.37	1684560	20.0
Dibenzothiophene,...	11.70	14.1	ng	1187310	4	11.37	1684560	20.0
Phenanthrene, 2-m...	11.87	45.3	ng	3812780	4	11.37	1684560	20.0
Phenanthrene, 1-m...	11.90	48.8	ng	4111940	4	11.37	1684560	20.0
1H-Cyclopropa[l]p...	11.99	73.4	ng	6179420	4	11.37	1684560	20.0
5,16[1',2']:8,13[...	12.17	50.0	ng	4212600	4	11.37	1684560	20.0
9,10-Anthracenedione	12.20	50.0	ng	4210880	4	11.37	1684560	20.0
Phenanthrene, 2,5...	12.43	56.5	ng	4763360	4	11.37	1684560	20.0
di-p-Tolylacetylene	12.46	20.3	ng	1706090	4	11.37	1684560	20.0
Cyclopenta(def)ph...	12.52	47.0	ng	3955200	4	11.37	1684560	20.0
Aceanthrenequinone	14.83	14.9	ng	1380160	6	15.49	1857260	20.0
Perylene	15.37	77.2	ng	7170800	6	15.49	1857260	20.0
Benzoxazole, 2-[2...	16.62	22.9	ng	2126640	6	15.49	1857260	20.0
Curan, 16,17,19,2...	16.80	20.9	ng	1944180	6	15.49	1857260	20.0