LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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	2.128	3	7	24	rVB	1651985	2228211	27.83%	1.328%
2	5.481	572	577	581	rBV	6970112	7405112	92.49%	4.412%
3	6.492	744	749	752	rBV	7316627	8006271	100.00%	4.771%
4	6.628	767	772	775	rBV	7950841	7698525	96.16%	4.587%
5	6.851	806	810	817	rVB	2380584	1914406	23.91%	1.141%
6	7.010	833	837	840	rBV	6614342	5752776	71.85%	3.428%
7	7.410	900	905	908	rBV	5027171	5177775	64.67%	3.085%
8	8.128	1023	1027	1030	rBV	2608594	2412203	30.13%	1.437%
9	8.151	1030	1031	1036	rVB	326863	195147	2.44%	0.116%
10	8.575	1100	1103	1112	rVB	1251706	1342167	16.76%	0.800%
11	8.775	1131	1137	1142	rVB2	156645	254119	3.17%	0.151%
12	9.204	1206	1210	1213	rBV	8173058	7540310	94.18%	4.493%
13	9.598	1274	1277	1285	rVB2	1304793	1324192	16.54%	0.789%
14	9.745	1298	1302	1305	rBV	1228599	1015712	12.69%	0.605%
15	9.880	1319	1325	1329	rBV	2677797	2636061	32.92%	1.571%
16	10.439	1415	1420	1425	rVB2	128277	233637	2.92%	0.139%
17	10.675	1455	1460	1463	rBV	4913752	4697225	58.67%	2.799%
18	10.798	1476	1481	1484	rBV3	283402	362061	4.52%	0.216%
19	11.263	1558	1560	1565	rVB	260470	253815	3.17%	0.151%
20	11.369	1574	1578	1580	rBV	2803160	2470127	30.85%	1.472%
21	11.392	1580	1582	1588	rVV	3039138	2422015	30.25%	1.443%
22	11.439	1588	1590	1593	rVB	526769	453837	5.67%	0.270%
23	11.474	1593	1596	1600	rBV2	204226	266428	3.33%	0.159%
24	11.663	1622	1628	1631	rVB2	500877	561502	7.01%	0.335%
25	11.698	1631	1634	1639	rVB2	329600	271432	3.39%	0.162%
26	11.822	1652	1655	1658	rBV3	197342	237935	2.97%	0.142%
27	11.869	1660	1663	1665	rVV	1201440	1021287	12.76%	0.609%
28	11.898	1665	1668	1673	rVV	3088933	2744901	34.28%	1.636%
29	11.945	1673	1676	1678	rVV	268779	260237	3.25%	0.155%
30	11.980	1678	1682	1684	rVV	1757340	1713220	21.40%	1.021%
31	12.004	1684	1686	1690	rVB	1126224	910904	11.38%	0.543%
32	12.069	1695	1697	1700	rVV2	209206	229030	2.86%	0.136%
33	12.104	1700	1703	1705	rVB2	263947	226706	2.83%	0.135%
34	12.163	1710	1713	1715	rVV	1125939	1024585	12.80%	0.611%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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	12.192	1715	1718	1724	rVB2	1021528	1064596	13.30%	0.634%
36	12.298	1733	1736	1737	rBV	230097	230626	2.88%	0.137%
37	12.316	1737	1739	1742	rVV2	345169	368601	4.60%	0.220%
38	12.345	1742	1744	1746	rVV	454969	389387	4.86%	0.232%
39	12.369	1746	1748	1751	rVB	337588	262171	3.27%	0.156%
40	12.421	1753	1757	1760	rVV	1385084	1562330	19.51%	0.931%
41	12.457	1760	1763	1765	rVV2	806825	932606	11.65%	0.556%
42	12.474	1765	1766	1769	rVV	441337	341690	4.27%	0.204%
43	12.510	1769	1772	1776	rVV3	887453	1102943	13.78%	0.657%
44	12.586	1779	1785	1788	rVV	4957587	4631597	57.85%	2.760%
45	12.627	1788	1792	1794	rVV	354082	380441	4.75%	0.227%
46	12.645	1794	1795	1798	rVV	271827	240461	3.00%	0.143%
47	12.674	1798	1800	1804	rVV	1315074	1227355	15.33%	0.731%
48	12.716	1804	1807	1809	rVV2	443046	461301	5.76%	0.275%
49	12.751	1811	1813	1819	rVB2	470390	571420	7.14%	0.340%
50	12.816	1819	1824	1829	rBV	6582921	7459937	93.18%	4.445%
51	12.869	1829	1833	1836	rVB2	498515	555411	6.94%	0.331%
52	12.951	1844	1847	1855	rVB	5509951	5676526	70.90%	3.382%
53	13.027	1857	1860	1867	rBV2	1012561	1598995	19.97%	0.953%
54	13.086	1867	1870	1872	rBV4	293149	239054	2.99%	0.142%
55	13.116	1872	1875	1876	rBV2	920452	871069	10.88%	0.519%
56	13.139	1877	1879	1882	rVB	1099951	921346	11.51%	0.549%
57	13.180	1884	1886	1888	rBV2	251663	216471	2.70%	0.129%
58	13.204	1888	1890	1894	rVB2	436850	360951	4.51%	0.215%
59	13.245	1894	1897	1900	rBV	1386016	1152886	14.40%	0.687%
60	13.304	1905	1907	1910	rBV3	166555	212827	2.66%	0.127%
61	13.339	1910	1913	1915	rBV	1188754	1056892	13.20%	0.630%
62	13.368	1915	1918	1921	rVB	1128143	948728	11.85%	0.565%
63	13.457	1930	1933	1935	rBV3	284480	260480	3.25%	0.155%
64	13.645	1962	1965	1970	rVB	884314	958095	11.97%	0.571%
65	13.710	1973	1976	1978	rBV	220488	202980	2.54%	0.121%
66	13.757	1978	1984	1986	rBV2	969079	1280382	15.99%	0.763%
67	13.786	1986	1989	1991	rVV	1079340	956672	11.95%	0.570%
68	13.810	1991	1993	1995	rVV	930262	794197	9.92%	0.473%
69	13.845	1995	1999	2009	rVB4	1444941	2442052	30.50%	1.455%
70	14.004	2022	2026	2030	rBV2	4136510	6398650	79.92%	3.813%
71	14.039	2030	2032	2037	rVV	4104591	3410920	42.60%	2.032%

LSC Area Percent Report

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Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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

72	14.098	2040	2042	2046	rBV3	254512	268379	3.35%	0.160%
73	14.133	2046	2048	2049	rBV2	294016	228219	2.85%	0.136%
74	14.157	2049	2052	2061	rVB3	1423987	2105338	26.30%	1.254%
75	14.268	2068	2071	2074	rVB4	324139	293946	3.67%	0.175%
76	14.363	2084	2087	2089	rBV	401403	378912	4.73%	0.226%
77	14.398	2089	2093	2097	rVV	1255051	1795086	22.42%	1.070%
78	14.433	2097	2099	2103	rVV2	975398	1055876	13.19%	0.629%
79	14.480	2103	2107	2112	rVV3	1175802	1652141	20.64%	0.984%
80	14.527	2112	2115	2117	rVV2	744188	758323	9.47%	0.452%
81	14.545	2117	2118	2121	rVB	697395	524067	6.55%	0.312%
82	14.598	2124	2127	2130	rVB	595988	535700	6.69%	0.319%
83	14.651	2134	2136	2138	rBV2	195810	233309	2.91%	0.139%
84	14.733	2148	2150	2154	rBV3	187180	231255	2.89%	0.138%
85	14.786	2156	2159	2162	rBV	548512	461452	5.76%	0.275%
86	14.827	2163	2166	2169	rVB2	594448	610447	7.62%	0.364%
87	14.863	2169	2172	2174	rBV2	661468	663917	8.29%	0.396%
88	15.062	2200	2206	2213	rBV	3651945	7909829	98.80%	4.713%
89	15.162	2220	2223	2227	rVB	915593	1150335	14.37%	0.685%
90	15.362	2252	2257	2263	rBV	2905953	4056850	50.67%	2.417%
91	15.427	2263	2268	2272	rBV	3346651	4550740	56.84%	2.712%
92	15.486	2272	2278	2281	rBV	1762908	2565478	32.04%	1.529%
93	15.804	2329	2332	2335	rVV	248123	294631	3.68%	0.176%
94	15.839	2335	2338	2345	rVB	284951	411487	5.14%	0.245%
95	16.045	2370	2373	2377	rVB2	407898	524029	6.55%	0.312%
96	16.609	2465	2469	2480	rVB4	319688	981764	12.26%	0.585%
97	16.956	2521	2528	2534	rVB	1524435	2879727	35.97%	1.716%
98	17.121	2552	2556	2561	rVB	246242	404343	5.05%	0.241%
99	17.180	2562	2566	2572	rVV3	220118	439239	5.49%	0.262%
100	17.398	2596	2603	2612	rVB	1304084	2851612	35.62%	1.699%

Sum of corrected areas: 167823348

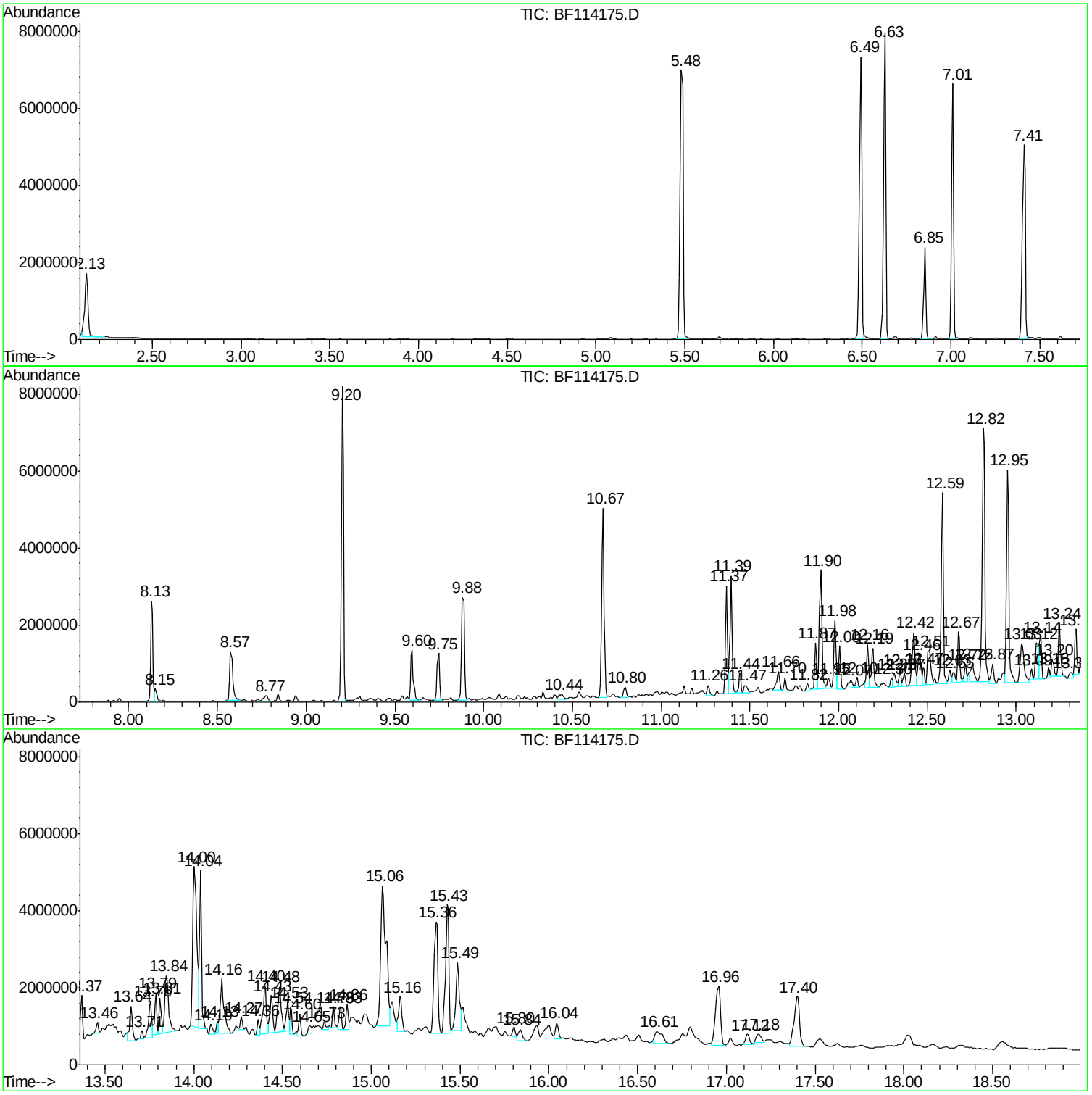
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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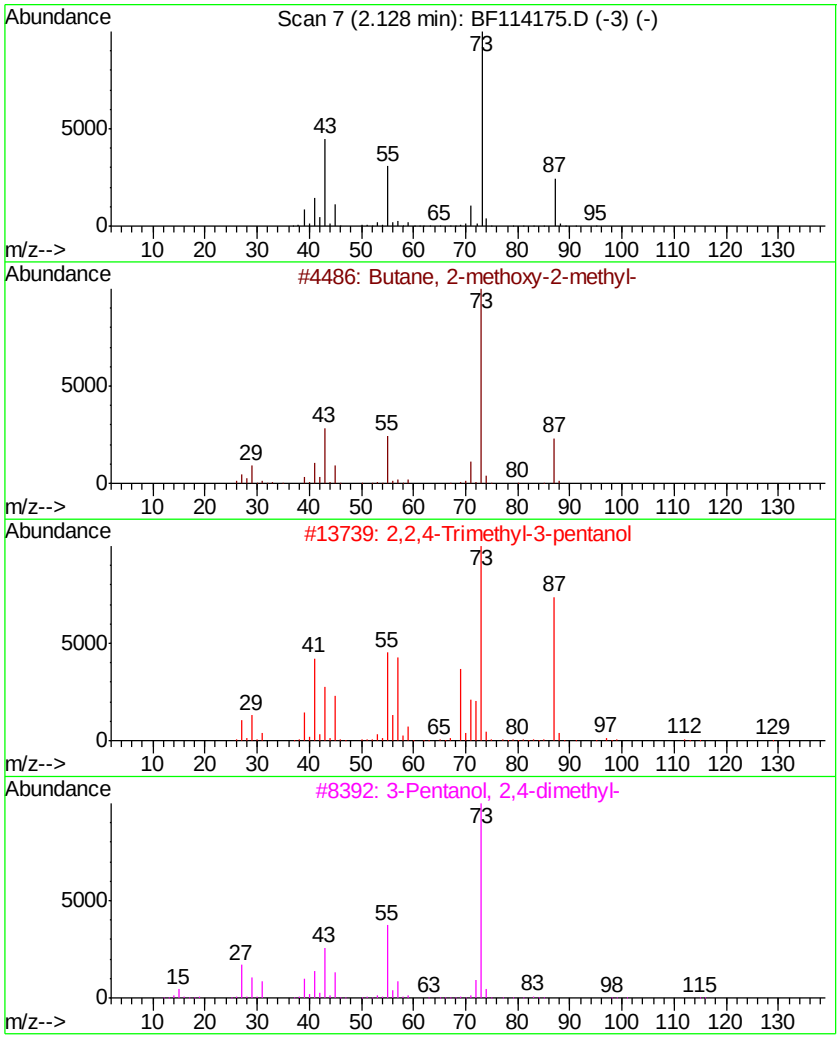
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

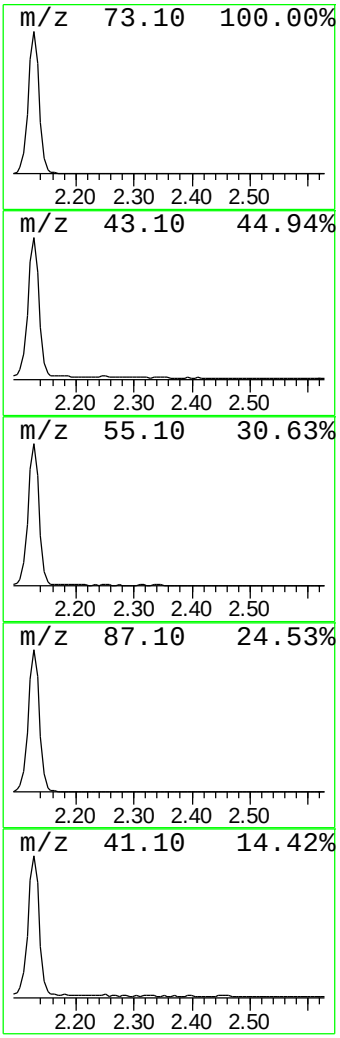
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	23.28 ng	2228210	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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Sample : K2765-16
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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

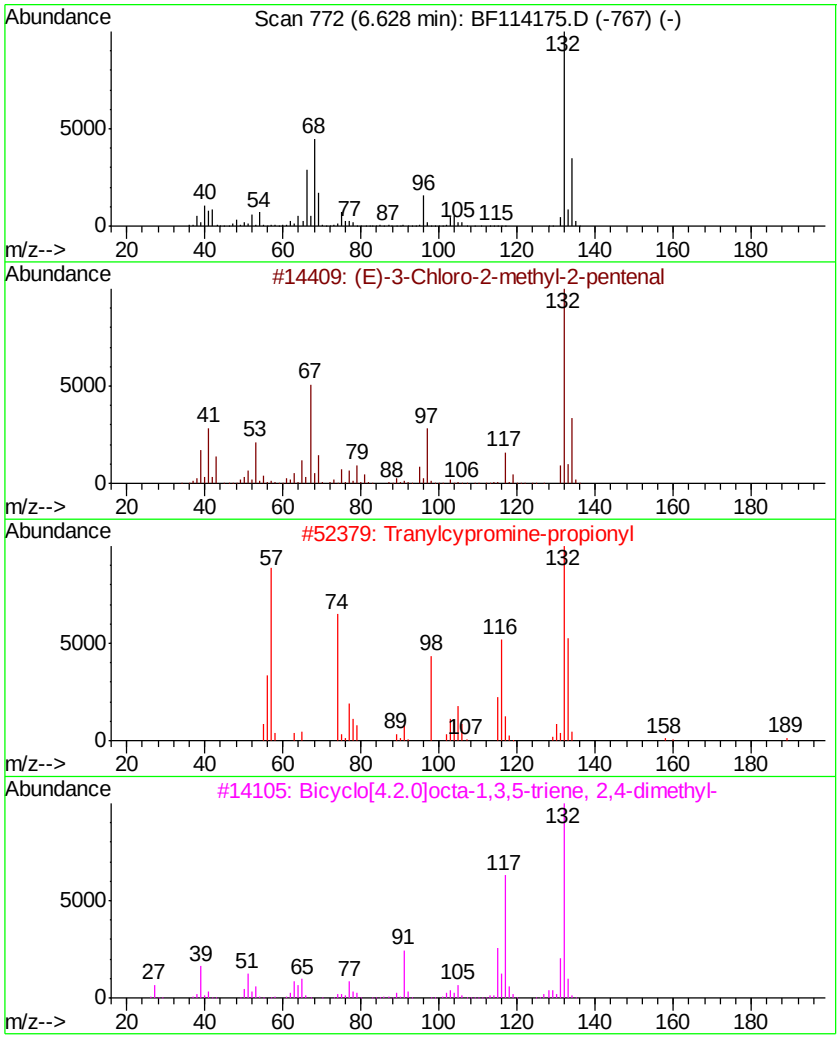
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

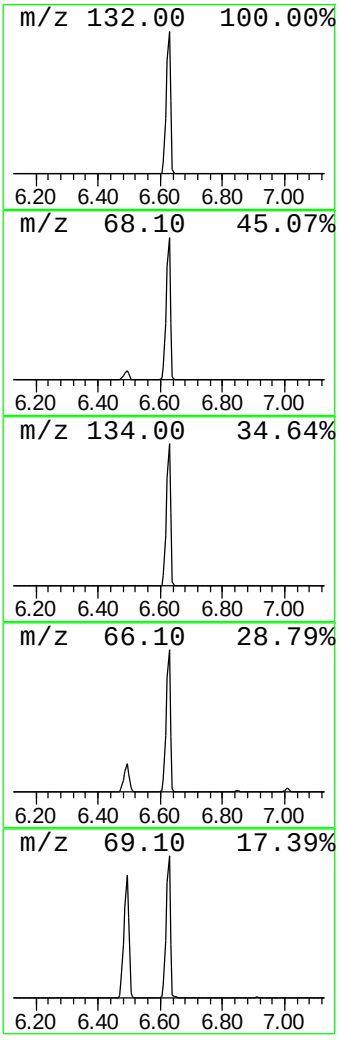
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	80.43 ng	7698530	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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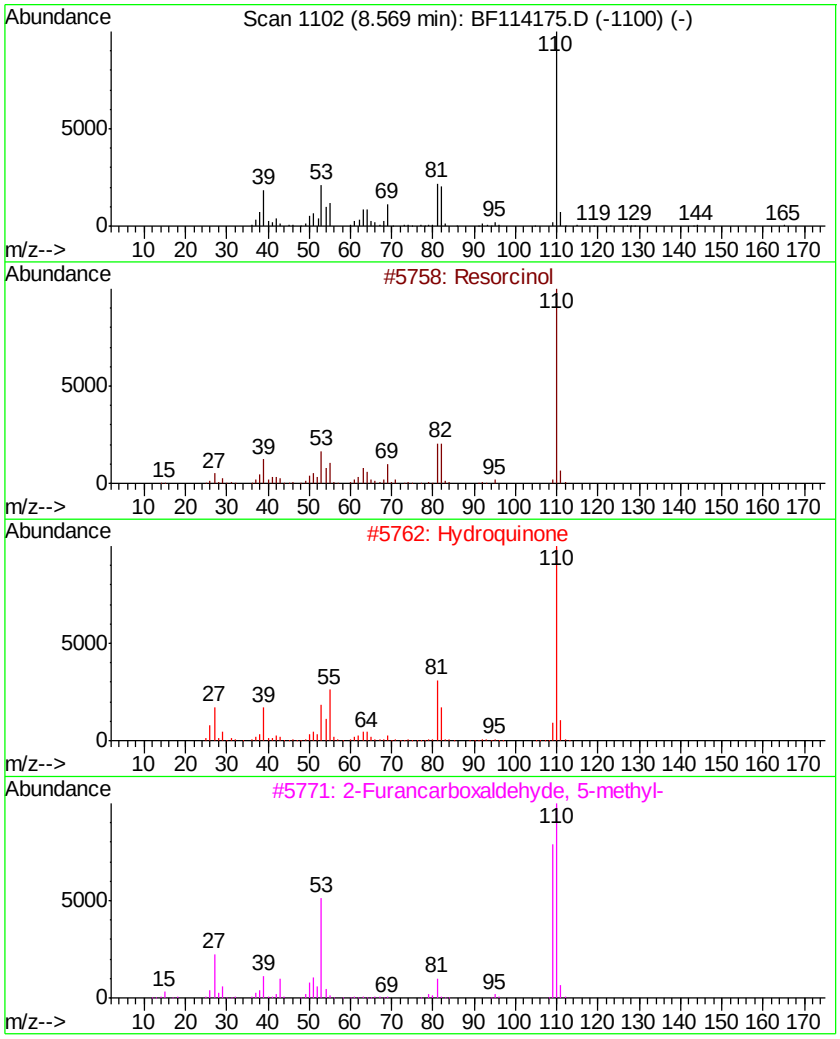
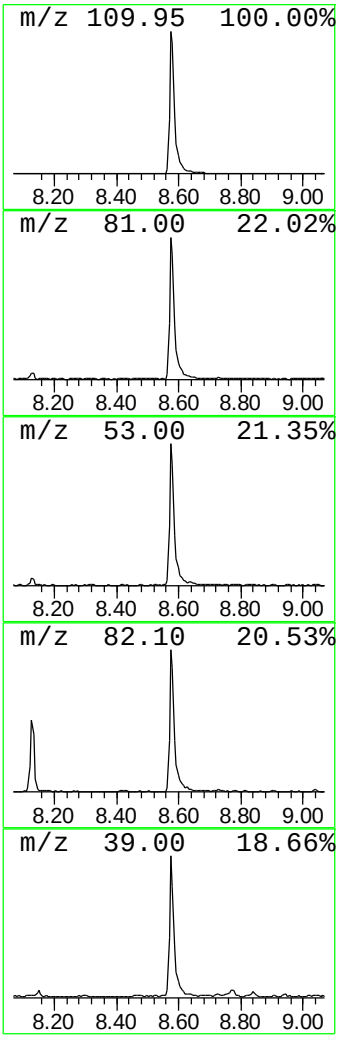
****

Peak Number 4 Resorcinol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	11.13 ng	1342170	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Resorcinol	110	C6H6O2	000108-46-3	97
2	Hydroquinone	110	C6H6O2	000123-31-9	72
3	2-Furancarboxaldehyde, 5-methyl-	110	C6H6O2	000620-02-0	53
4	4(1H)-Pyrimidinone, 6-methyl-	110	C5H6N2O	003524-87-6	53
5	2(1H)-Pyridinone, 3-amino-	110	C5H6N2O	033630-99-8	52





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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

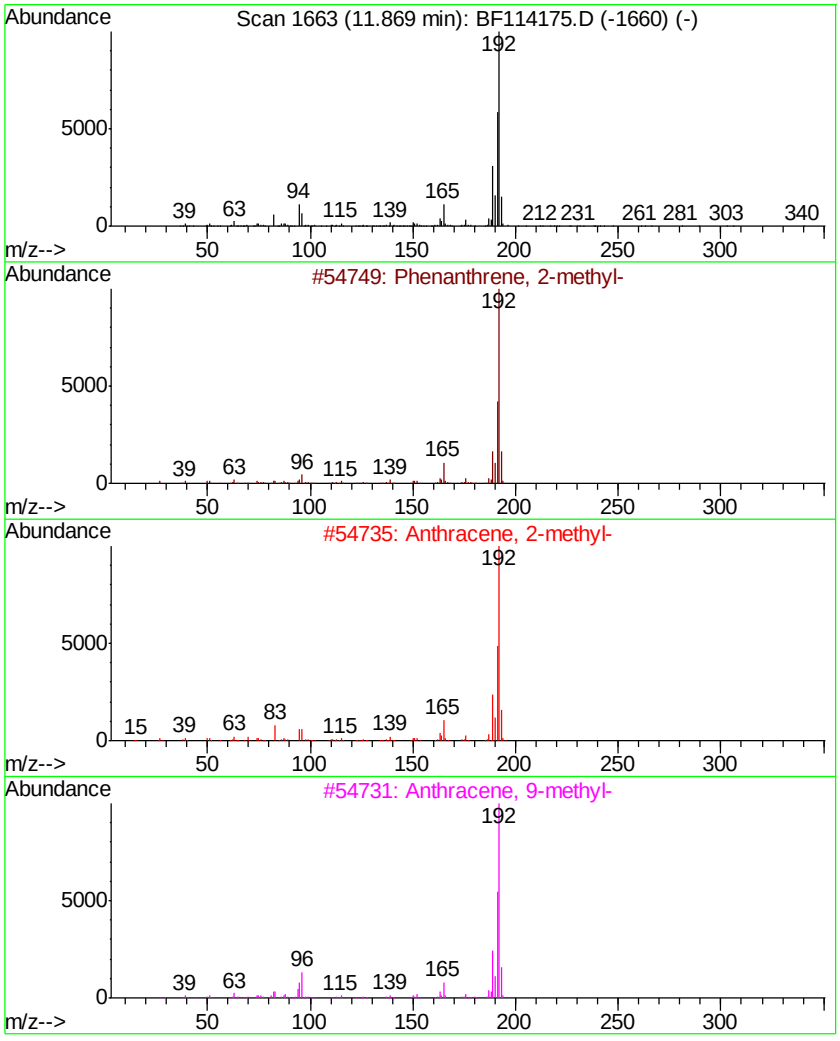
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

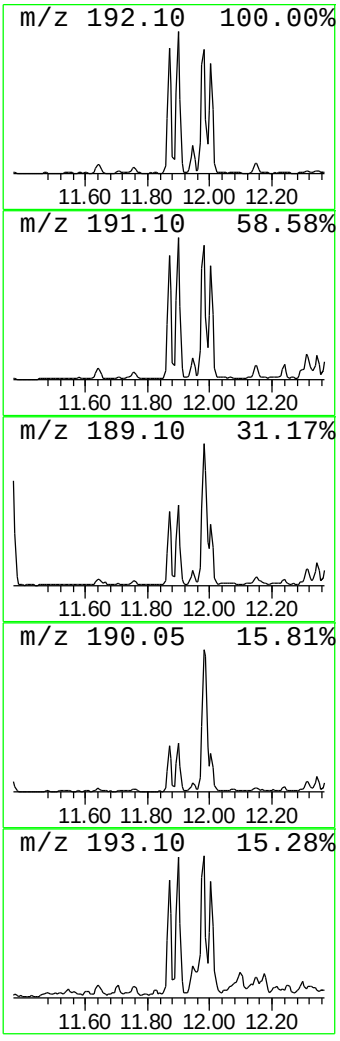
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.27 ng	1021290	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Library Search Compound Report

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Data File : BF114175.D
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Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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

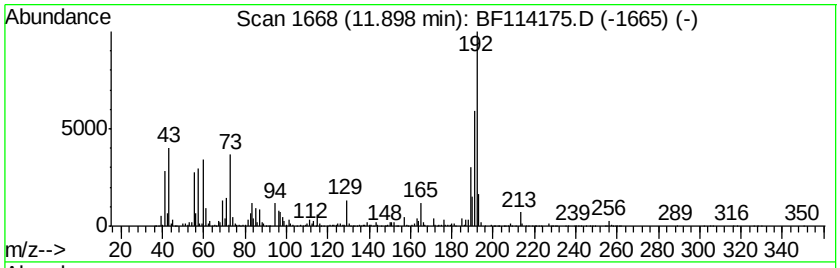
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

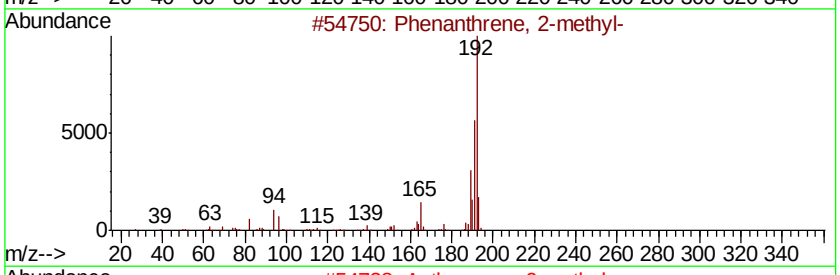
****

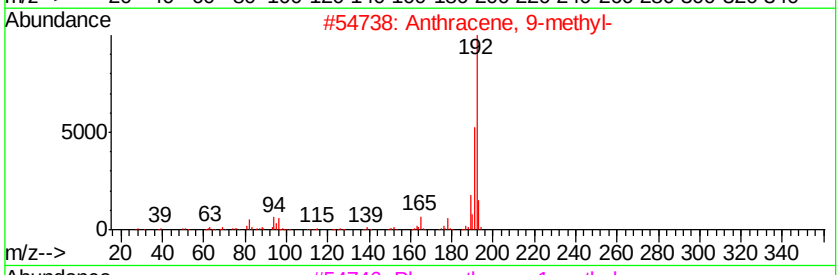
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 5

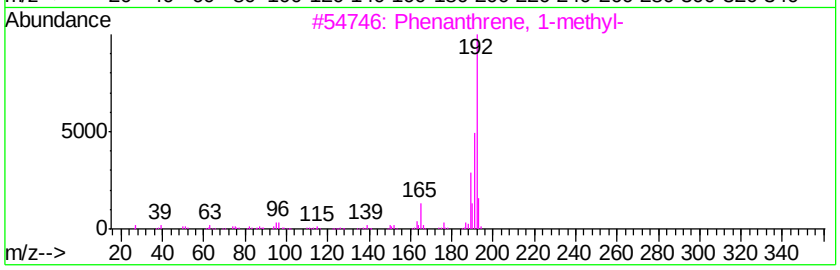
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	22.22 ng	2744900	Phenanthrene-d10	11.37

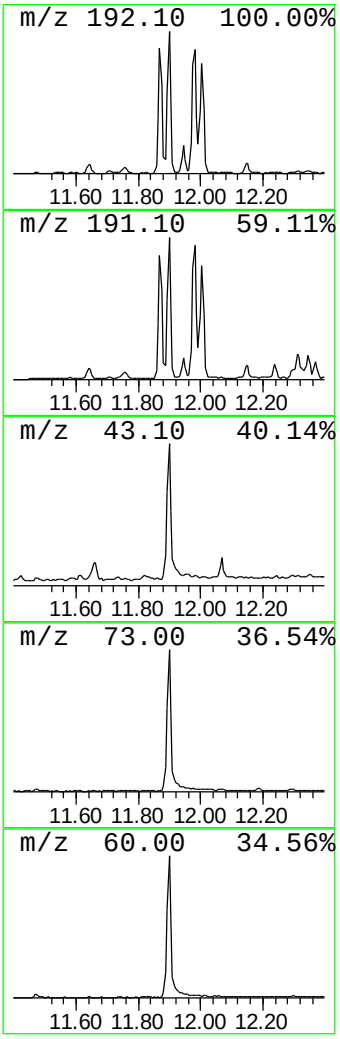
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92











Library Search Compound Report

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Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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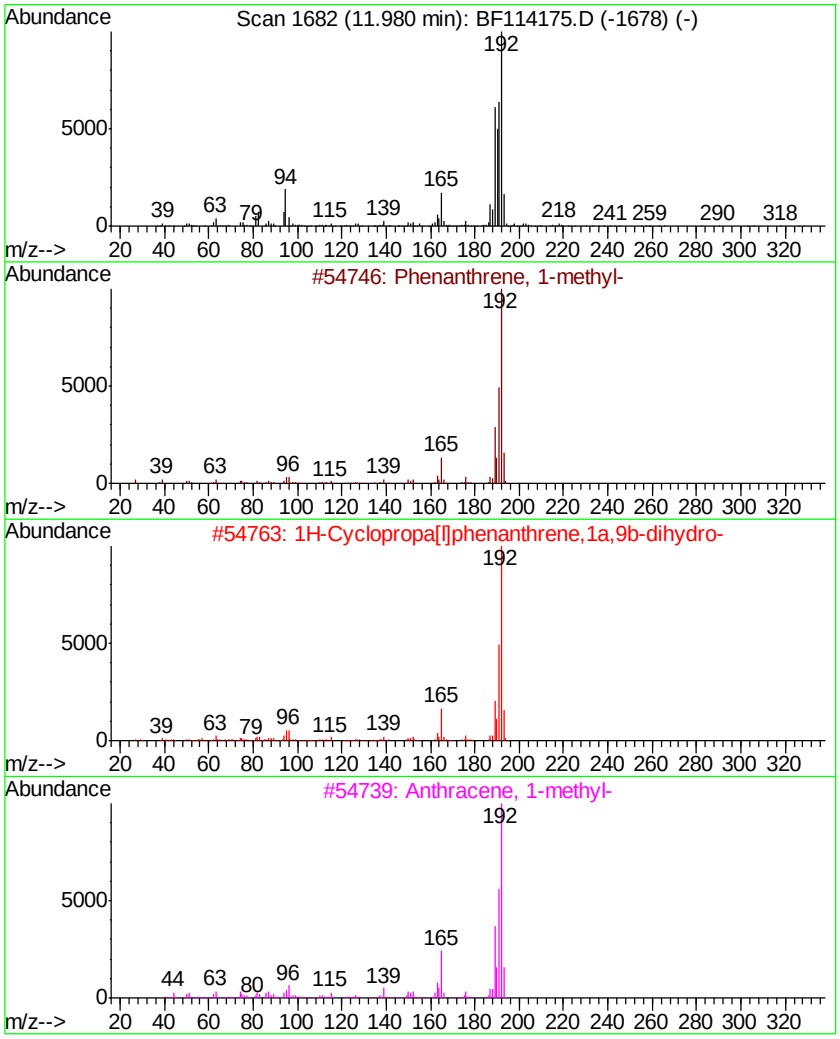
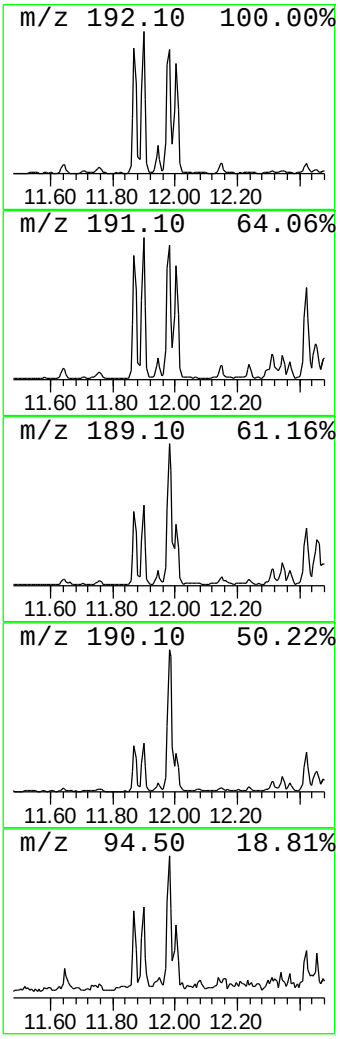
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	13.87 ng	1713220	Phenanthrene-d10	11.37

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





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Sample : K2765-16
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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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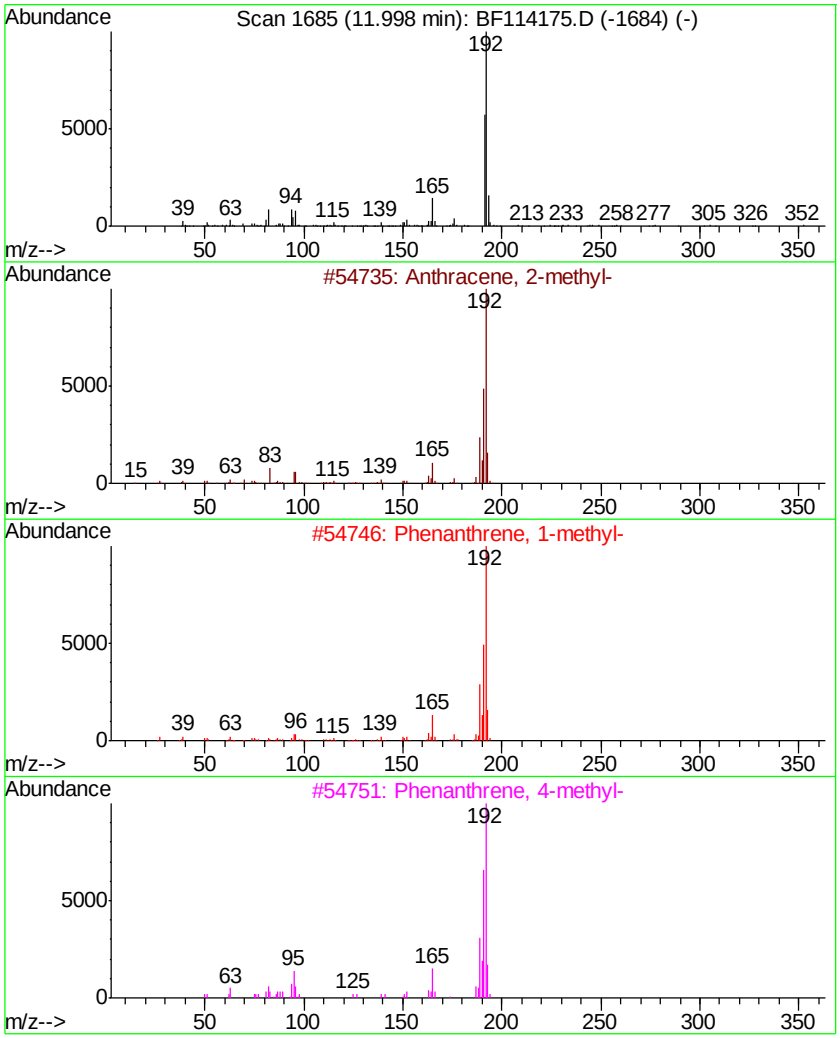
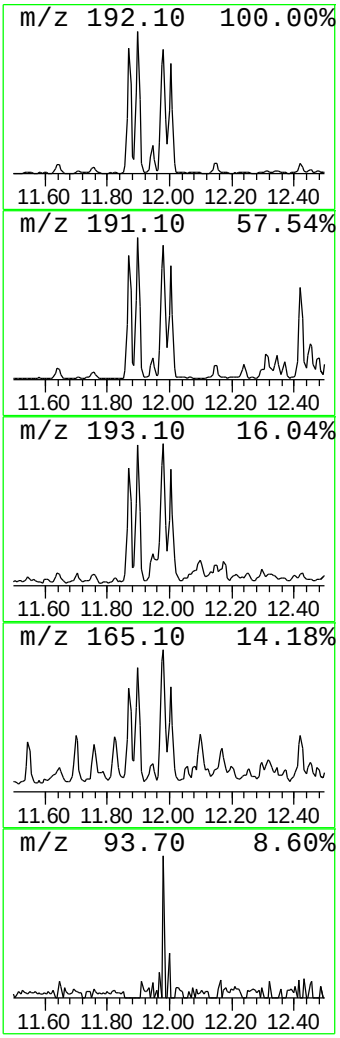
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.38 ng	910904	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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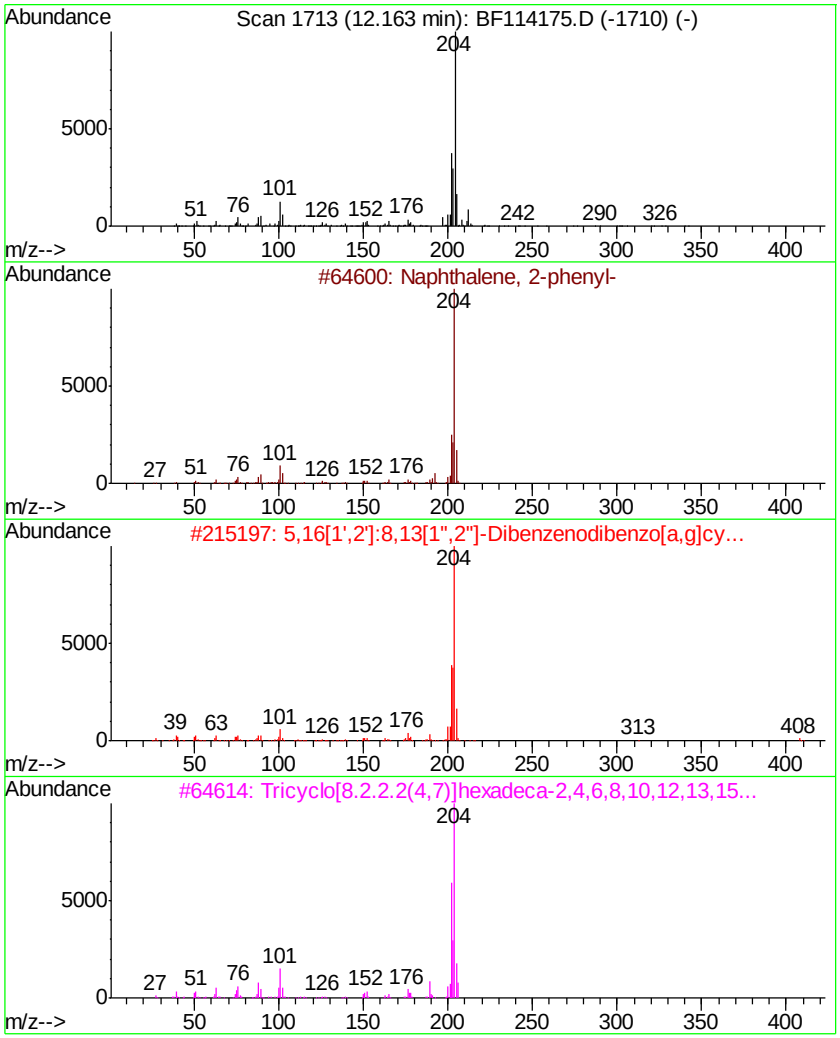
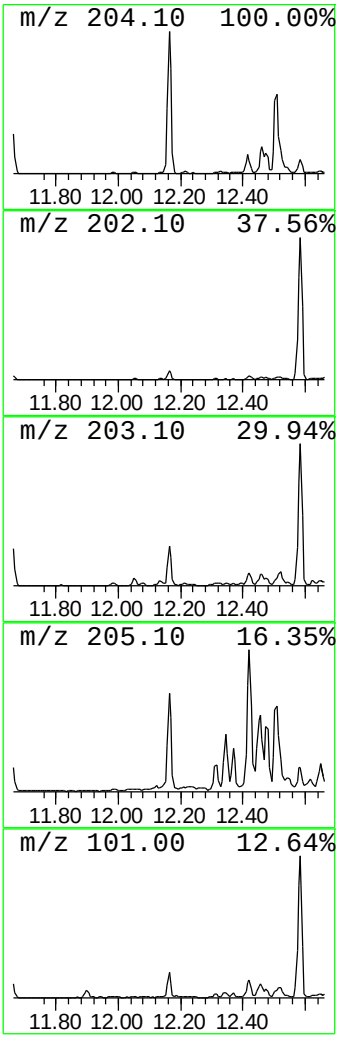
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	8.30 ng	1024590	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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TIC Library : C:\DATABASE\NIST11.L
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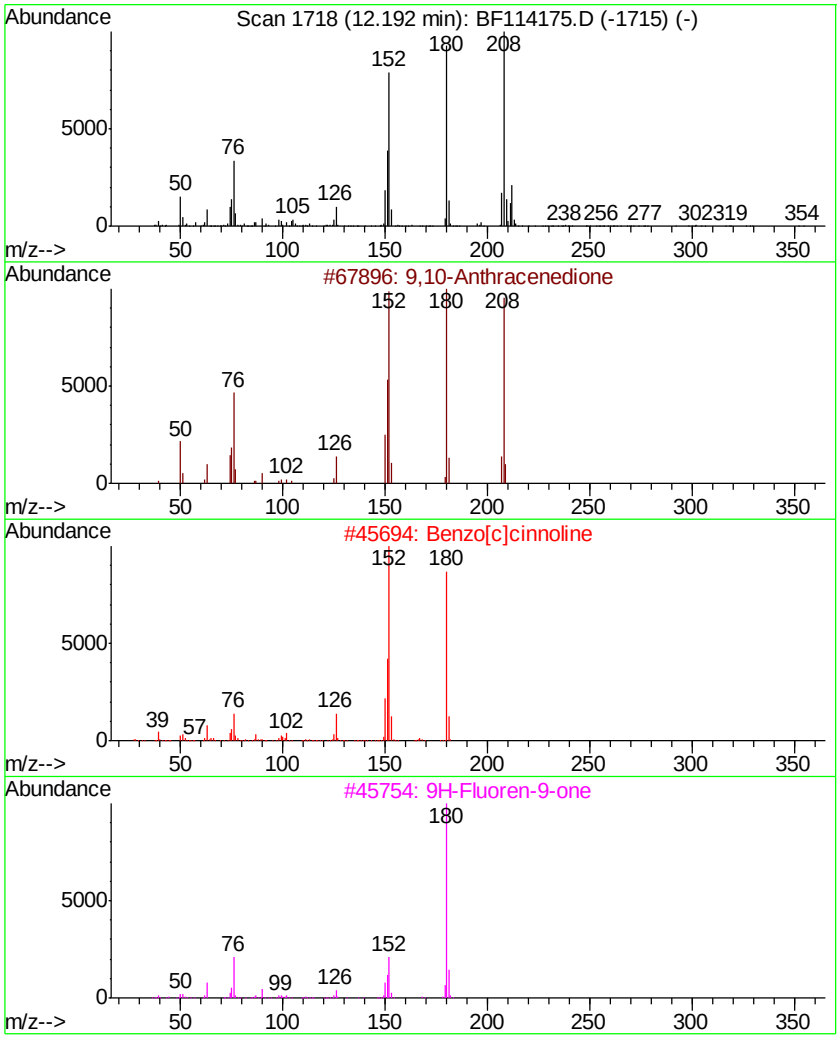
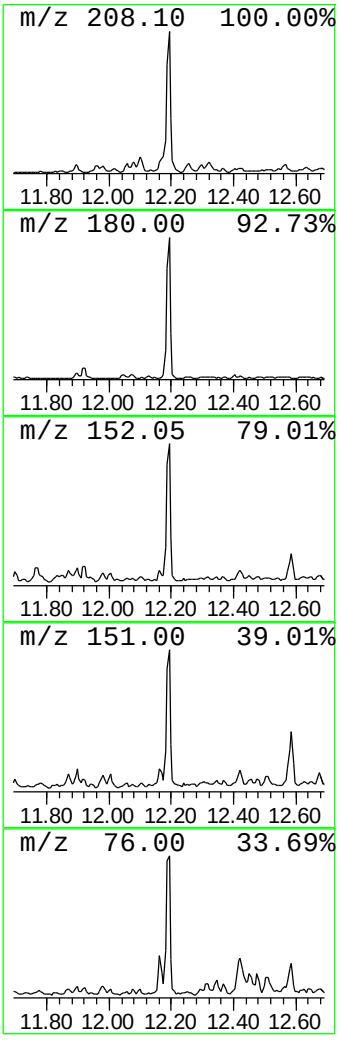
Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	8.62 ng	1064600	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	53
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	43





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Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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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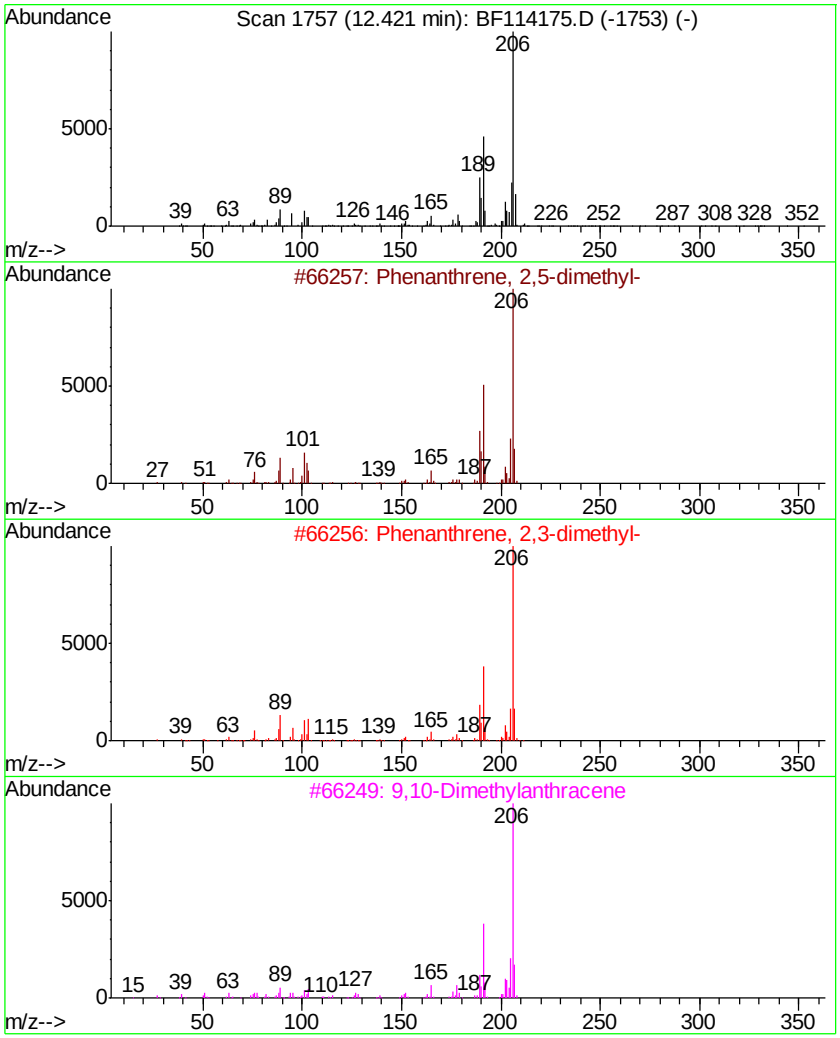
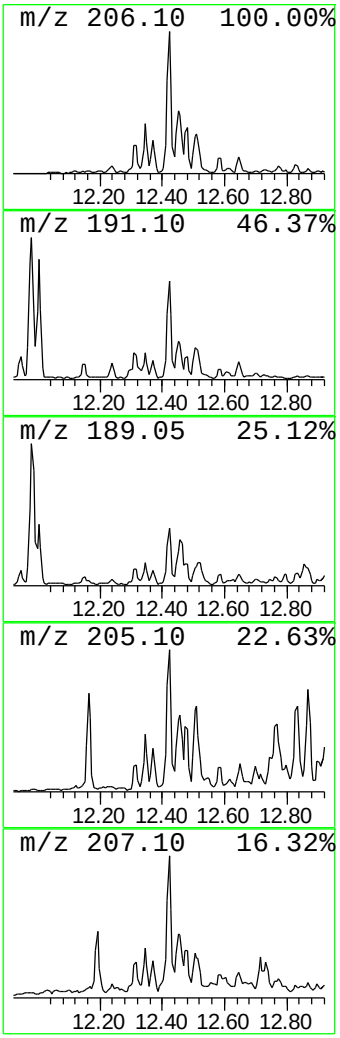
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	12.65 ng	1562330	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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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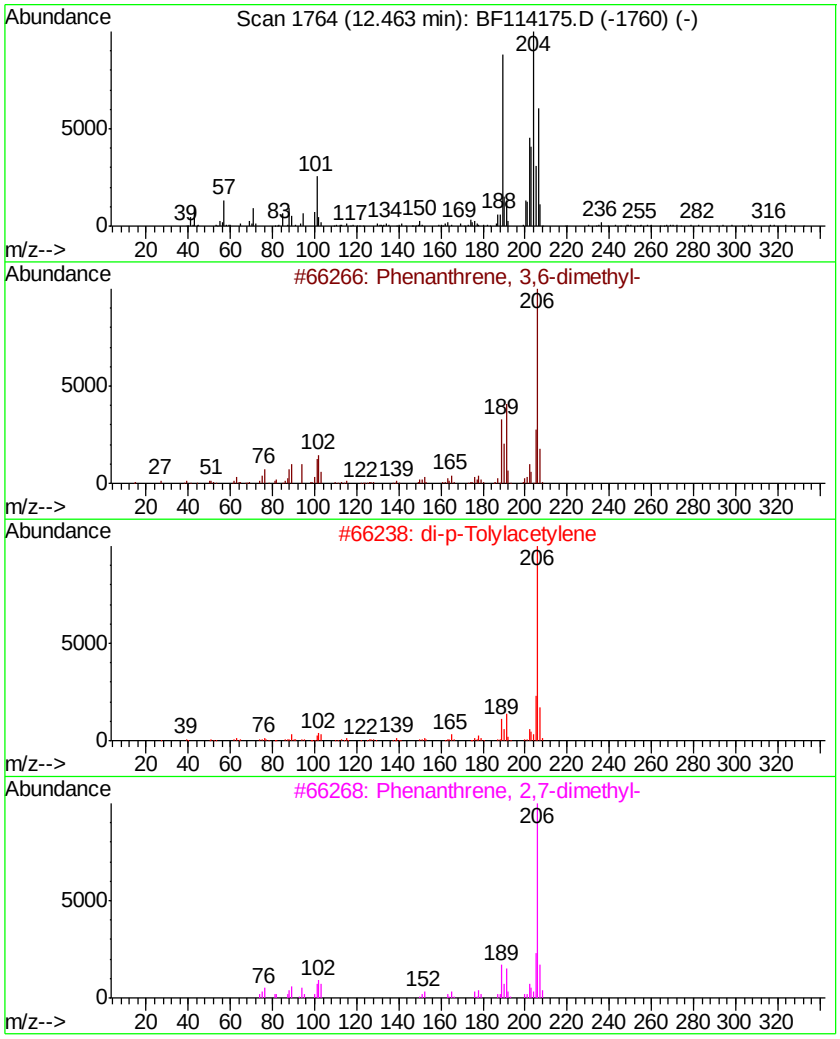
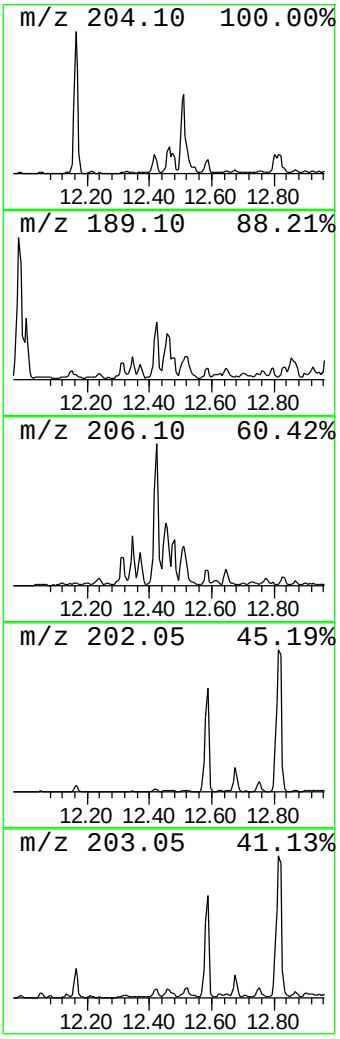
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	7.55 ng	932606	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49





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Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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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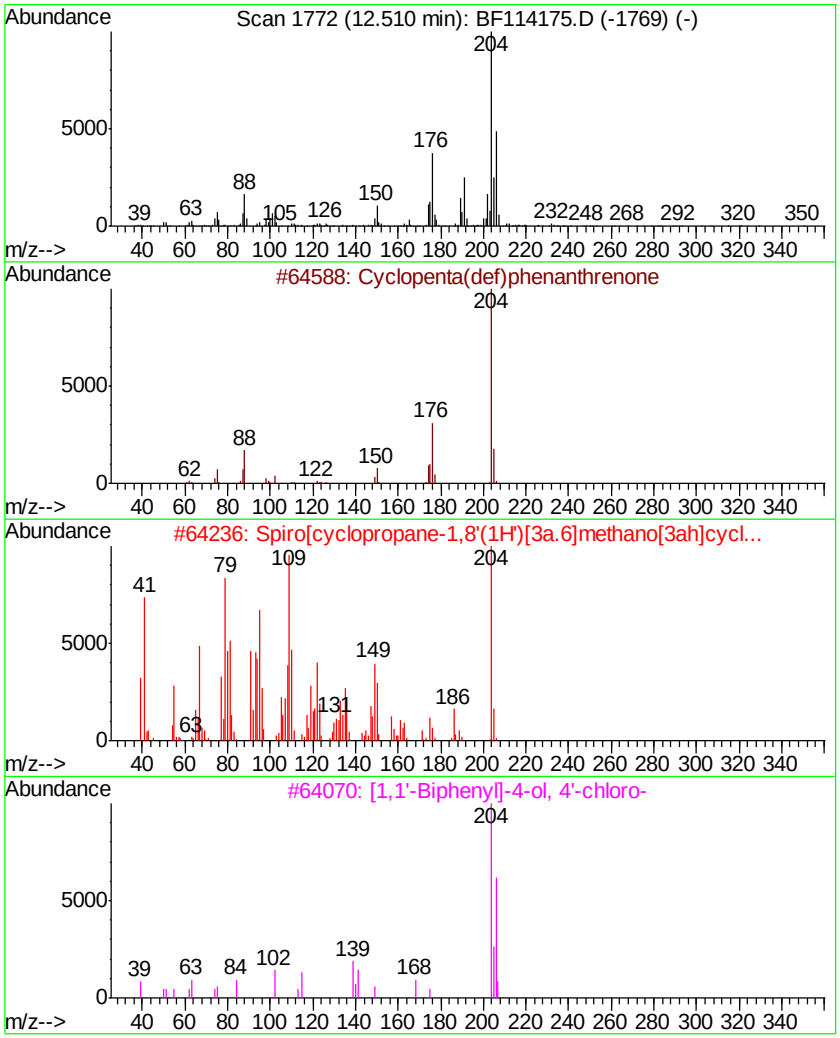
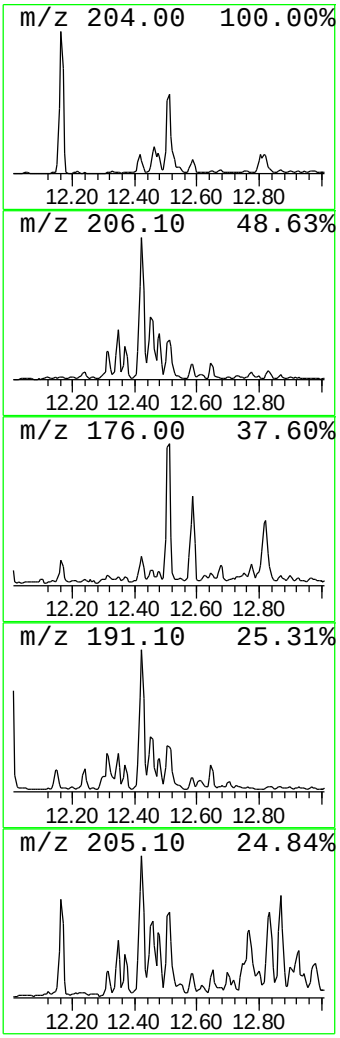
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	8.93 ng	1102940	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Spiro[cyclopropane-1,8'(1H')[3a....	204	C14H20O	452049-62-6	92
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	52
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
5	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47





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Sample : K2765-16
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Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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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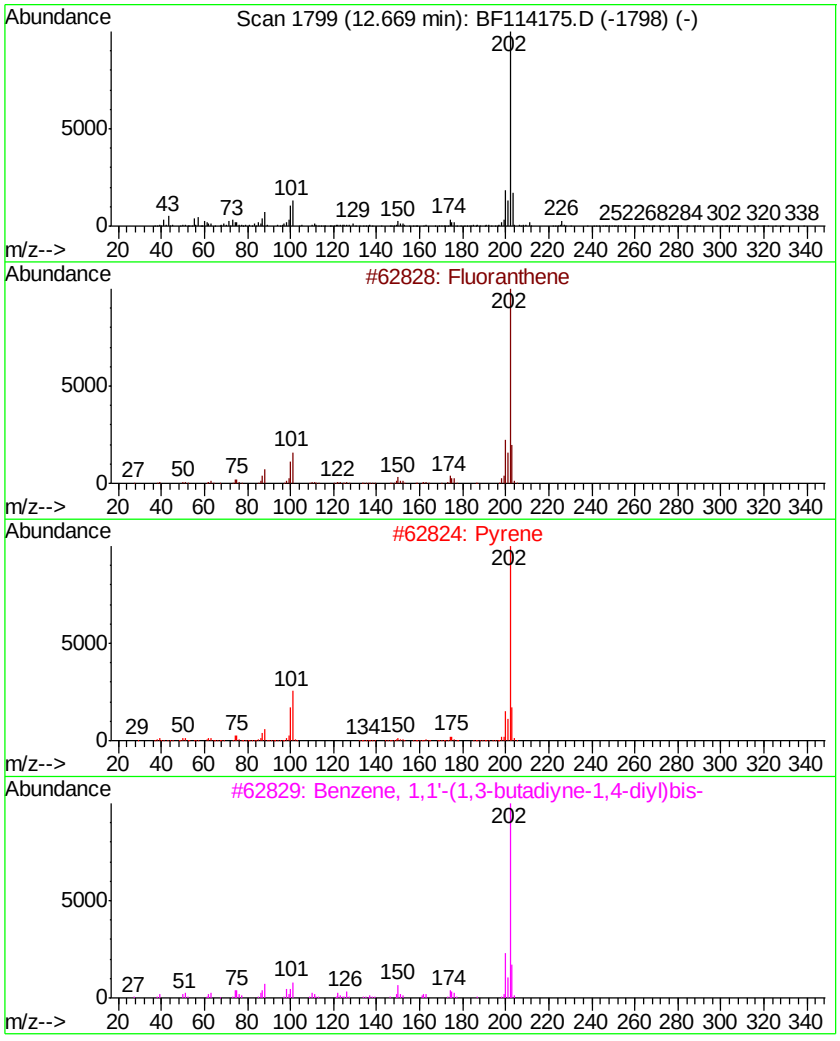
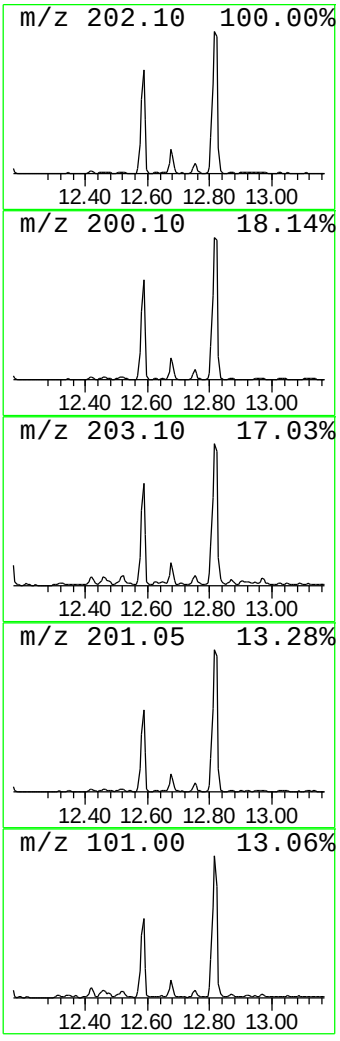
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	9.94 ng	1227360	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	86
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5	7H-Furo[3,2-g][1]benzopyran-7-on...	202	C11H6O4	002009-24-7	50





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

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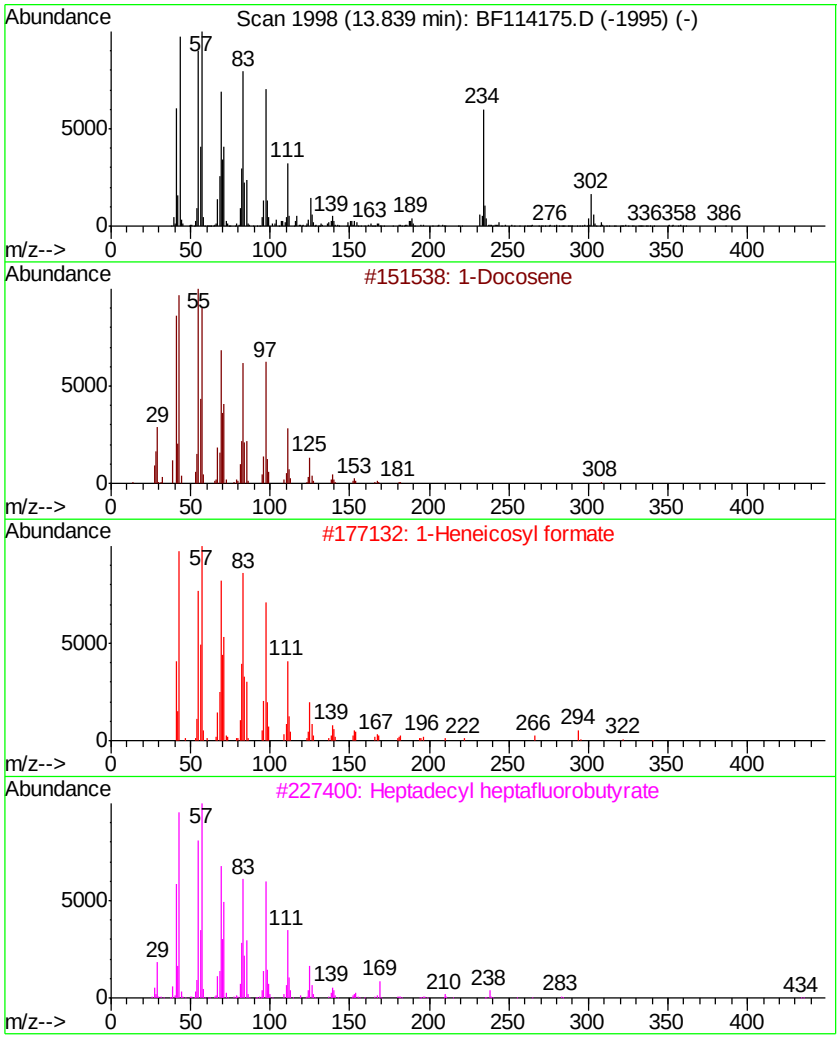
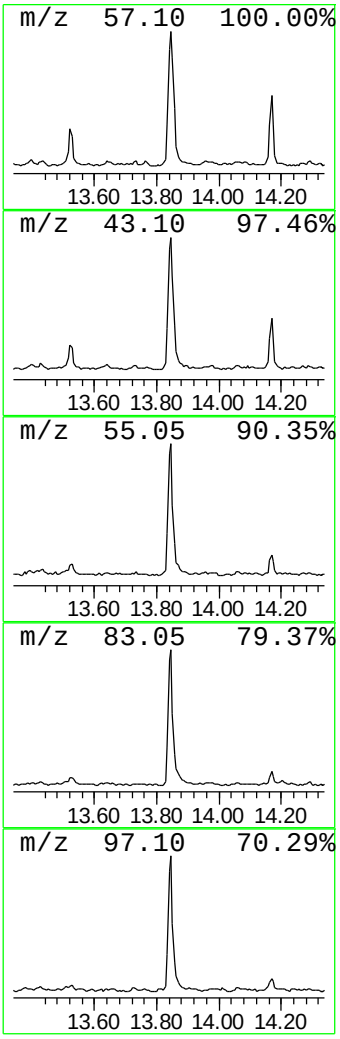
Peak Number 15 1-Docosene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	7.63 ng	2442050	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	83





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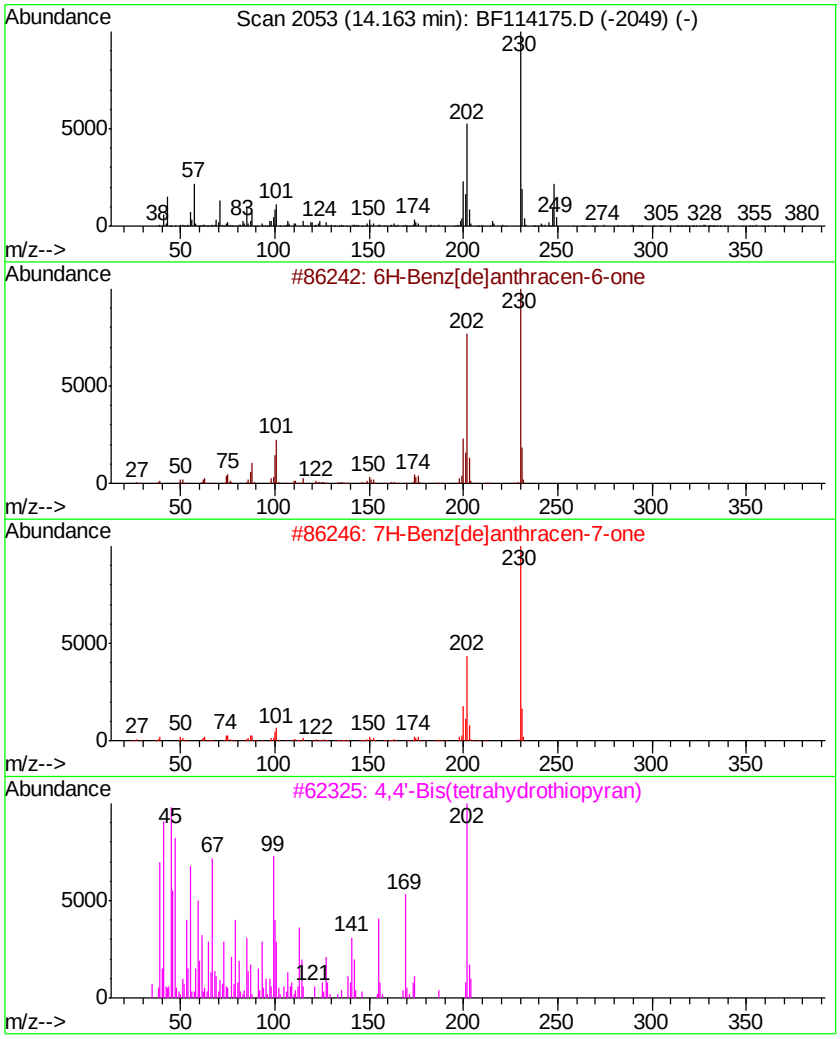
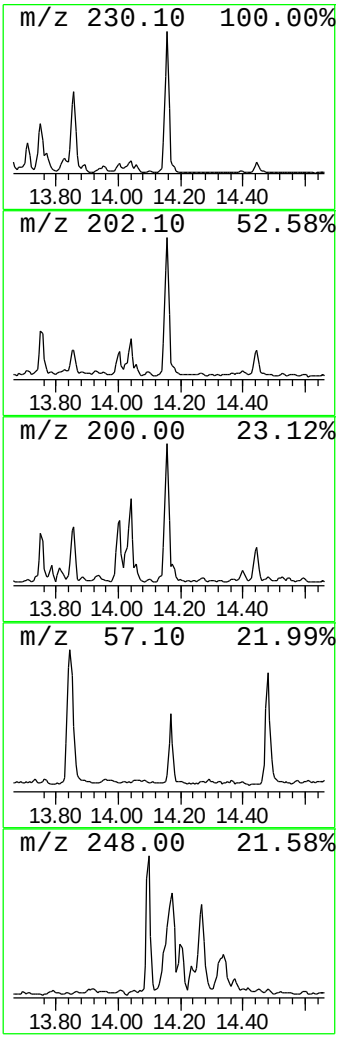
Peak Number 16 6H-Benz[de]anthracen-6-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	6.58 ng	2105340	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	92
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	90
5	Pyrene	202	C16H10	000129-00-0	83





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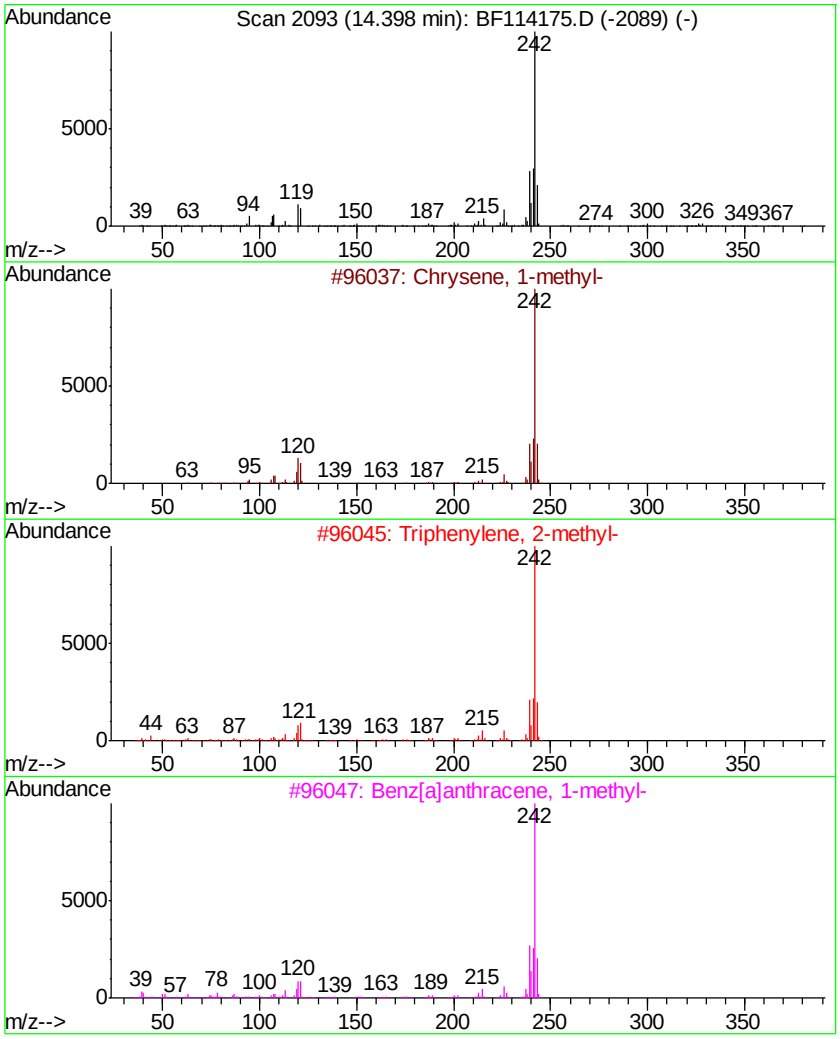
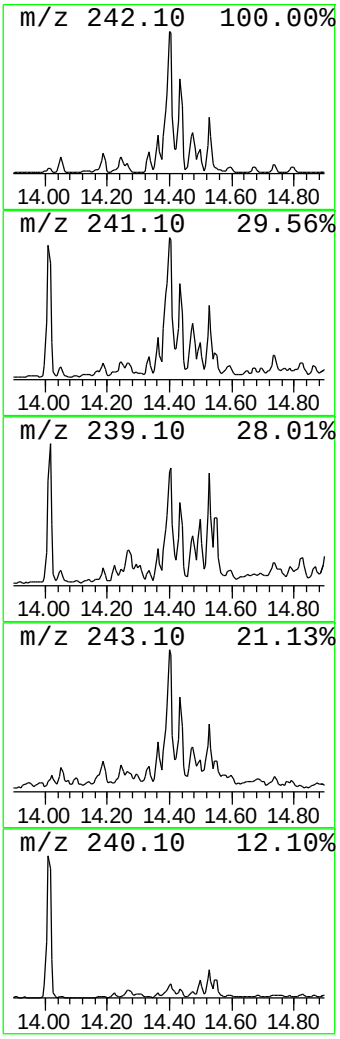
Peak Number 17 Chrysene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	5.61 ng	1795090	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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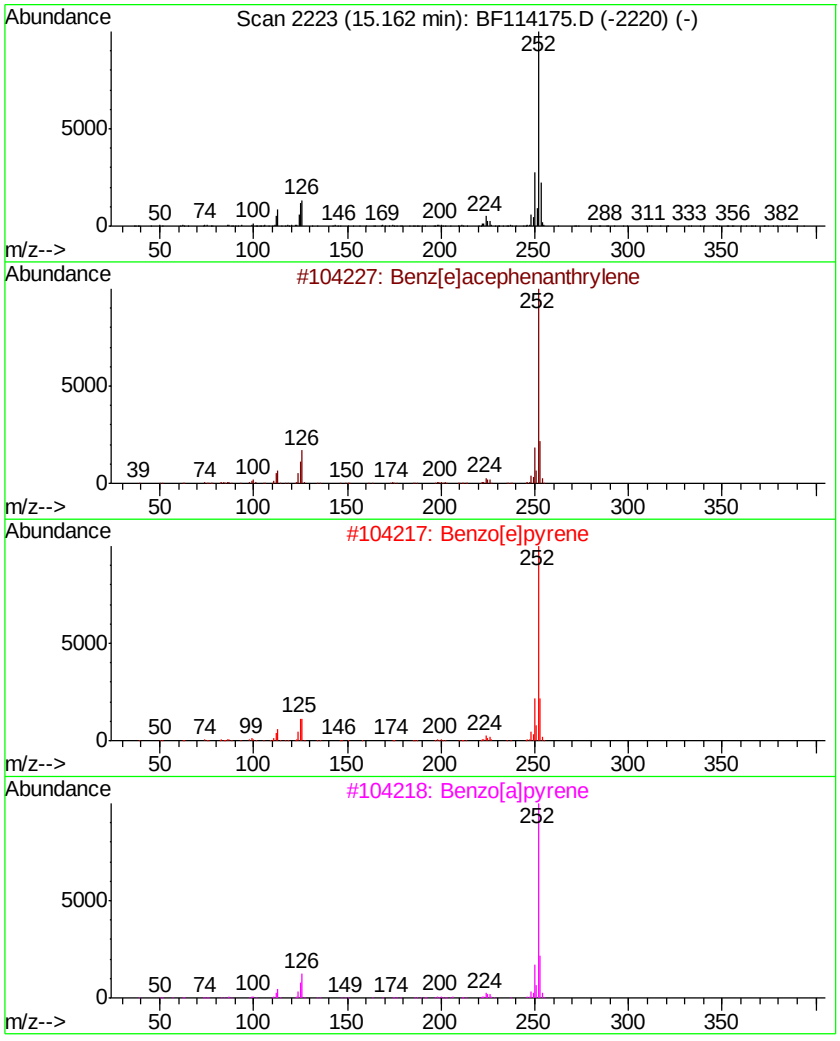
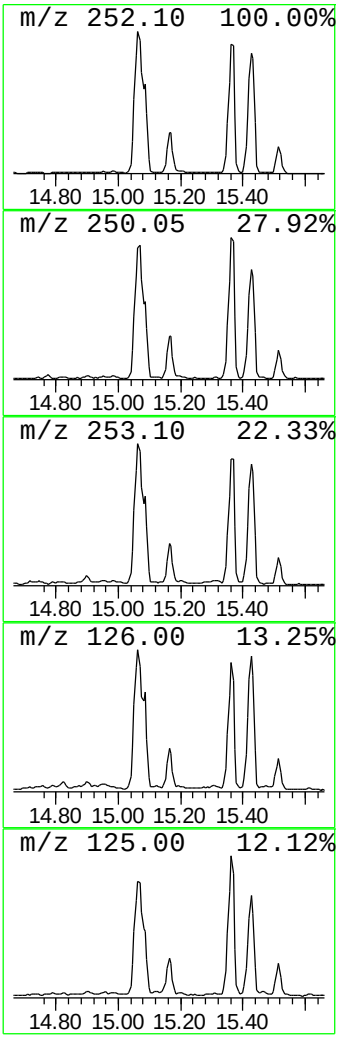
Peak Number 18 unknown15.16 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	8.97 ng	1150340	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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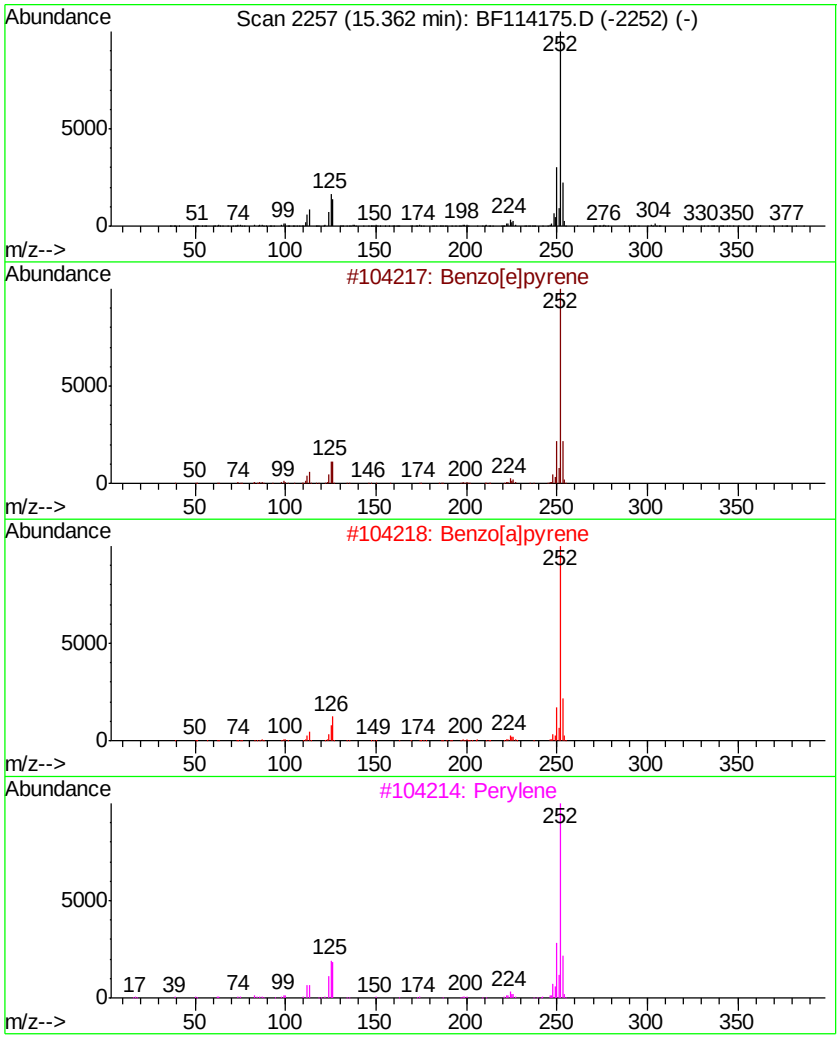
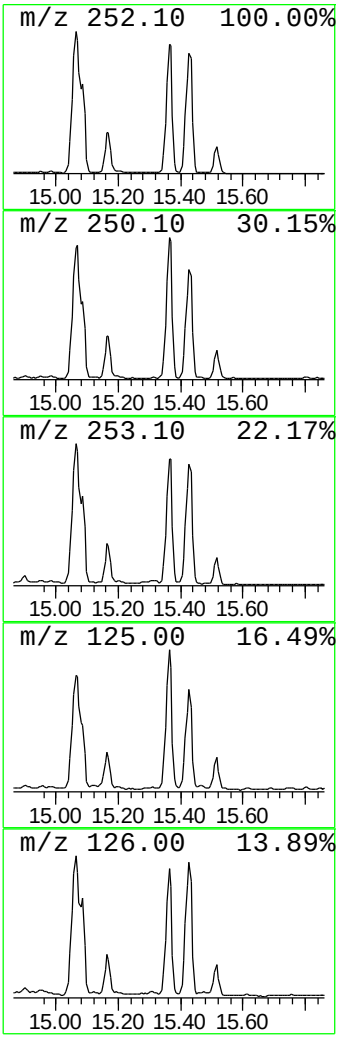
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	31.63 ng	4056850	Perylene-d12	15.49

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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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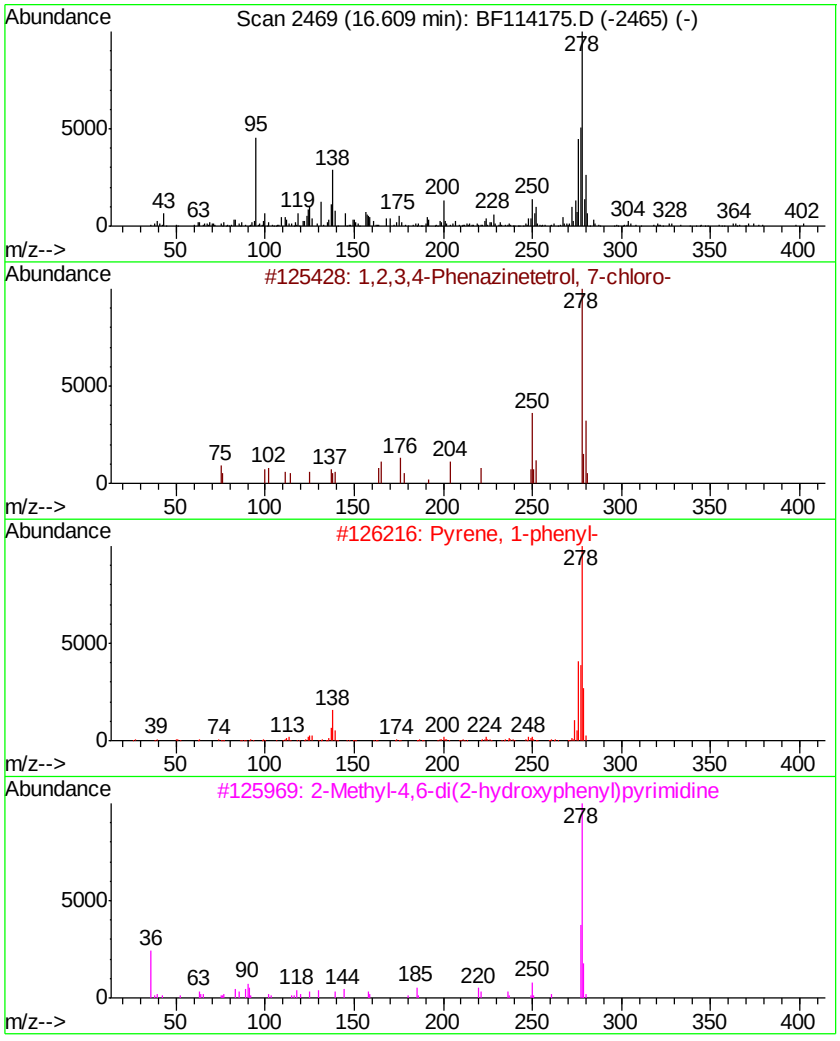
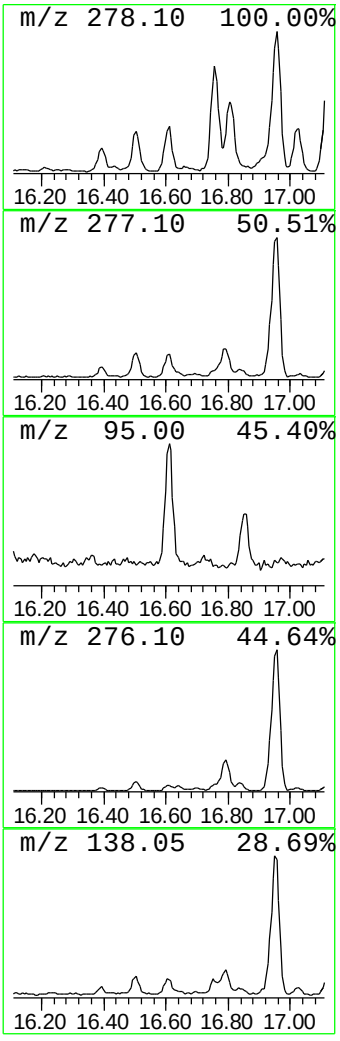
Peak Number 20 unknown16.61 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	7.65 ng	981764	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	41
2	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	41
3	2-Methyl-4,6-di(2-hydroxyphenyl)...	278	C17H14N2O2	1000070-55-8	38
4	1H-1,4-Benzodiazepine-2,5-dione,...	278	C17H14N2O2	031965-37-4	38
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114175.D
Acq On : 12 May 2019 1:19
Operator : JU/SJ
Sample : K2765-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-1218-01

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	23.3	ng	2228210	1	6.85	1914410	20.0
unknown6.63	6.63	80.4	ng	7698530	1	6.85	1914410	20.0
Resorcinol	8.57	11.1	ng	1342170	2	8.13	2412200	20.0
Phenanthrene, 2-m...	11.87	8.3	ng	1021290	4	11.37	2470130	20.0
Anthracene, 9-met...	11.90	22.2	ng	2744900	4	11.37	2470130	20.0
Phenanthrene, 1-m...	11.98	13.9	ng	1713220	4	11.37	2470130	20.0
Anthracene, 2-met...	12.00	7.4	ng	910904	4	11.37	2470130	20.0
Naphthalene, 2-ph...	12.16	8.3	ng	1024590	4	11.37	2470130	20.0
9,10-Anthracenedione	12.19	8.6	ng	1064600	4	11.37	2470130	20.0
Phenanthrene, 2,5...	12.42	12.7	ng	1562330	4	11.37	2470130	20.0
Phenanthrene, 3,6...	12.46	7.5	ng	932606	4	11.37	2470130	20.0
Cyclopenta(def)ph...	12.51	8.9	ng	1102940	4	11.37	2470130	20.0
4,4'-Bis(tetrahyd...	12.67	9.9	ng	1227360	4	11.37	2470130	20.0
1-Docosene	13.84	7.6	ng	2442050	5	14.01	6398650	20.0
6H-Benz[de]anthra...	14.16	6.6	ng	2105340	5	14.01	6398650	20.0
Chrysene, 1-methyl-	14.40	5.6	ng	1795090	5	14.01	6398650	20.0
unknown15.16	15.16	9.0	ng	1150340	6	15.49	2565480	20.0
Benzo[e]pyrene	15.36	31.6	ng	4056850	6	15.49	2565480	20.0
unknown16.61	16.61	7.7	ng	981764	6	15.49	2565480	20.0