LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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	2.116	3	5	13	rVB	999934	1047816	12.56%	0.718%
2	5.487	574	578	587	rBV	5204580	4868387	58.35%	3.335%
3	6.498	745	750	753	rBV	5498956	5219912	62.56%	3.576%
4	6.628	768	772	775	rBV	5732568	5187462	62.17%	3.554%
5	6.851	807	810	817	rBV	2069411	1725209	20.68%	1.182%
6	7.010	833	837	840	rBV	4780451	4031869	48.32%	2.762%
7	7.416	901	906	909	rBV	3454239	3402226	40.77%	2.331%
8	8.133	1024	1028	1030	rBV	2524666	2125588	25.47%	1.456%
9	8.157	1030	1032	1037	rVB	622012	514381	6.16%	0.352%
10	8.592	1102	1106	1115	rBV	2643864	2822052	33.82%	1.933%
11	8.780	1131	1138	1144	rVB	145268	246038	2.95%	0.169%
12	8.845	1146	1149	1156	rVB	467049	389950	4.67%	0.267%
13	8.945	1162	1166	1169	rBV	306624	248793	2.98%	0.170%
14	9.204	1206	1210	1214	rBV	5291960	4901782	58.75%	3.358%
15	9.545	1264	1268	1270	rBV	238740	224421	2.69%	0.154%
16	9.598	1274	1277	1285	rVB2	1095454	1083057	12.98%	0.742%
17	9.745	1299	1302	1306	rBV	1242124	1035924	12.42%	0.710%
18	9.886	1319	1326	1330	rBV2	2713165	2401386	28.78%	1.645%
19	10.445	1416	1421	1426	rVB4	166174	265048	3.18%	0.182%
20	10.674	1456	1460	1470	rVB	3457254	3266645	39.15%	2.238%
21	10.798	1477	1481	1484	rBV3	277800	332130	3.98%	0.228%
22	11.174	1542	1545	1549	rVB	344435	314734	3.77%	0.216%
23	11.269	1558	1561	1566	rVB	397831	375777	4.50%	0.257%
24	11.374	1575	1579	1581	rVV	2456168	2384962	28.58%	1.634%
25	11.398	1581	1583	1589	rVV	4333277	3518651	42.17%	2.411%
26	11.445	1589	1591	1594	rVB	650994	547917	6.57%	0.375%
27	11.474	1594	1596	1600	rBV2	223752	253276	3.04%	0.174%
28	11.663	1623	1628	1632	rVB2	628884	649151	7.78%	0.445%
29	11.704	1632	1635	1638	rVB2	498420	421176	5.05%	0.289%
30	11.786	1647	1649	1653	rVB	219244	214541	2.57%	0.147%
31	11.827	1653	1656	1660	rBV	266515	328790	3.94%	0.225%
32	11.874	1661	1664	1666	rVV	1529224	1333694	15.98%	0.914%
33	11.904	1666	1669	1672	rVV2	2279033	2151733	25.79%	1.474%
34	11.951	1674	1677	1679	rVV	257197	215806	2.59%	0.148%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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	11.986	1679	1683	1685	rVV	2042791	2038122	24.43%	1.396%
36	12.010	1685	1687	1691	rVB	1391297	1074269	12.87%	0.736%
37	12.068	1692	1697	1701	rBV5	160931	352645	4.23%	0.242%
38	12.110	1701	1704	1706	rVB2	269644	217799	2.61%	0.149%
39	12.168	1711	1714	1716	rVV	1382419	1172241	14.05%	0.803%
40	12.198	1716	1719	1725	rVB2	1399630	1318418	15.80%	0.903%
41	12.298	1734	1736	1738	rBV	217730	228533	2.74%	0.157%
42	12.321	1738	1740	1743	rVV2	343237	358424	4.30%	0.246%
43	12.351	1743	1745	1747	rVV	453046	354653	4.25%	0.243%
44	12.374	1747	1749	1752	rVB2	317483	248807	2.98%	0.170%
45	12.427	1752	1758	1760	rBV2	1293071	1561858	18.72%	1.070%
46	12.463	1760	1764	1766	rVV3	648706	932156	11.17%	0.639%
47	12.480	1766	1767	1770	rVB	399113	300867	3.61%	0.206%
48	12.515	1770	1773	1777	rBV	1191200	1267872	15.20%	0.869%
49	12.592	1780	1786	1789	rBV	5516571	5151426	61.74%	3.529%
50	12.633	1789	1793	1795	rBV	369601	342362	4.10%	0.235%
51	12.680	1799	1801	1805	rVB	1187688	1040760	12.47%	0.713%
52	12.721	1805	1808	1812	rBV3	492675	667653	8.00%	0.457%
53	12.757	1812	1814	1820	rVB2	377734	478013	5.73%	0.327%
54	12.827	1820	1826	1830	rBV	7347084	8344001	100.00%	5.716%
55	12.874	1830	1834	1837	rVB2	425757	492274	5.90%	0.337%
56	12.957	1844	1848	1850	rBV	3592237	3117773	37.37%	2.136%
57	13.033	1858	1861	1868	rBV2	1051244	1566866	18.78%	1.073%
58	13.092	1868	1871	1873	rVV3	335915	317470	3.80%	0.217%
59	13.121	1873	1876	1878	rVV3	1067875	1347707	16.15%	0.923%
60	13.145	1878	1880	1884	rVV	1122789	1006294	12.06%	0.689%
61	13.186	1885	1887	1889	rVV2	241376	241979	2.90%	0.166%
62	13.210	1889	1891	1895	rVV2	485719	496822	5.95%	0.340%
63	13.251	1895	1898	1901	rVV	1689169	1480850	17.75%	1.015%
64	13.310	1905	1908	1910	rBV2	181908	206946	2.48%	0.142%
65	13.345	1910	1914	1916	rVV	1342980	1303441	15.62%	0.893%
66	13.374	1916	1919	1922	rVB	1274612	1081628	12.96%	0.741%
67	13.462	1931	1934	1937	rBV3	234930	229190	2.75%	0.157%
68	13.651	1963	1966	1971	rVB	953387	1045615	12.53%	0.716%
69	13.762	1979	1985	1987	rBV	1074175	1296846	15.54%	0.888%
70	13.792	1987	1990	1992	rVB	1041176	901337	10.80%	0.617%
71	13.815	1992	1994	1997	rBV	880178	759221	9.10%	0.520%

LSC Area Percent Report

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Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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

72	13.845	1997	1999	2000	rBV2	694497	591518	7.09%	0.405%
73	14.009	2022	2027	2030	rBV2	3999444	5701701	68.33%	3.906%
74	14.045	2030	2033	2040	rVB	4125289	4254626	50.99%	2.915%
75	14.104	2040	2043	2047	rBV4	234562	305373	3.66%	0.209%
76	14.162	2050	2053	2056	rBV	1513502	1429624	17.13%	0.979%
77	14.268	2069	2071	2074	rBV3	291015	310689	3.72%	0.213%
78	14.368	2085	2088	2089	rBV2	341899	323317	3.87%	0.221%
79	14.404	2089	2094	2097	rVV	1337607	1603440	19.22%	1.098%
80	14.439	2097	2100	2103	rVV2	818822	1072163	12.85%	0.735%
81	14.480	2103	2107	2112	rVV3	1203899	1923138	23.05%	1.318%
82	14.527	2112	2115	2117	rVV2	844801	969556	11.62%	0.664%
83	14.551	2117	2119	2122	rVV	744995	690485	8.28%	0.473%
84	14.598	2124	2127	2130	rVB	592343	573585	6.87%	0.393%
85	14.786	2156	2159	2162	rBV3	194154	248601	2.98%	0.170%
86	14.827	2164	2166	2169	rVB	385742	353637	4.24%	0.242%
87	14.857	2169	2171	2174	rBV2	387865	338803	4.06%	0.232%
88	14.892	2174	2177	2181	rBV3	199864	350206	4.20%	0.240%
89	15.068	2201	2207	2213	rBV	2912914	5789737	69.39%	3.966%
90	15.115	2213	2215	2218	rVV2	507776	501282	6.01%	0.343%
91	15.168	2221	2224	2227	rVB	658951	717704	8.60%	0.492%
92	15.368	2252	2258	2263	rVB	2525477	3316837	39.75%	2.272%
93	15.433	2263	2269	2272	rBV	2740566	3555241	42.61%	2.436%
94	15.486	2272	2278	2282	rBV2	1426629	2093666	25.09%	1.434%
95	15.698	2311	2314	2320	rVB3	388380	590407	7.08%	0.404%
96	15.927	2349	2353	2357	rBV2	401449	587636	7.04%	0.403%
97	15.974	2358	2361	2364	rBV2	275390	454405	5.45%	0.311%
98	16.051	2371	2374	2378	rVB2	295167	392137	4.70%	0.269%
99	16.962	2524	2529	2536	rVB	1141839	2354025	28.21%	1.613%
100	17.409	2598	2605	2617	rVB	997774	2181446	26.14%	1.494%

Sum of corrected areas: 145968407

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
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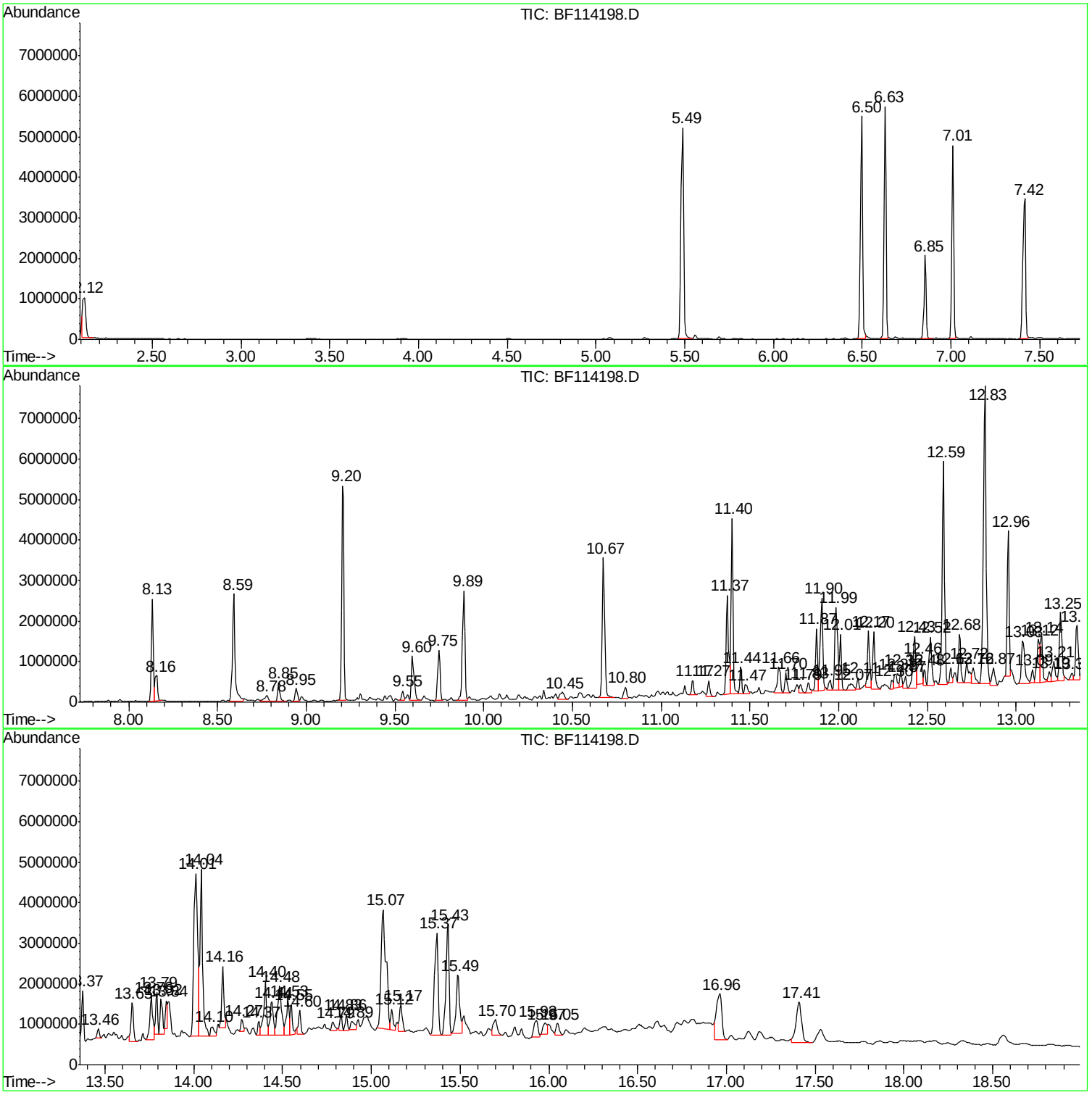
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS010-0002-01

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\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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

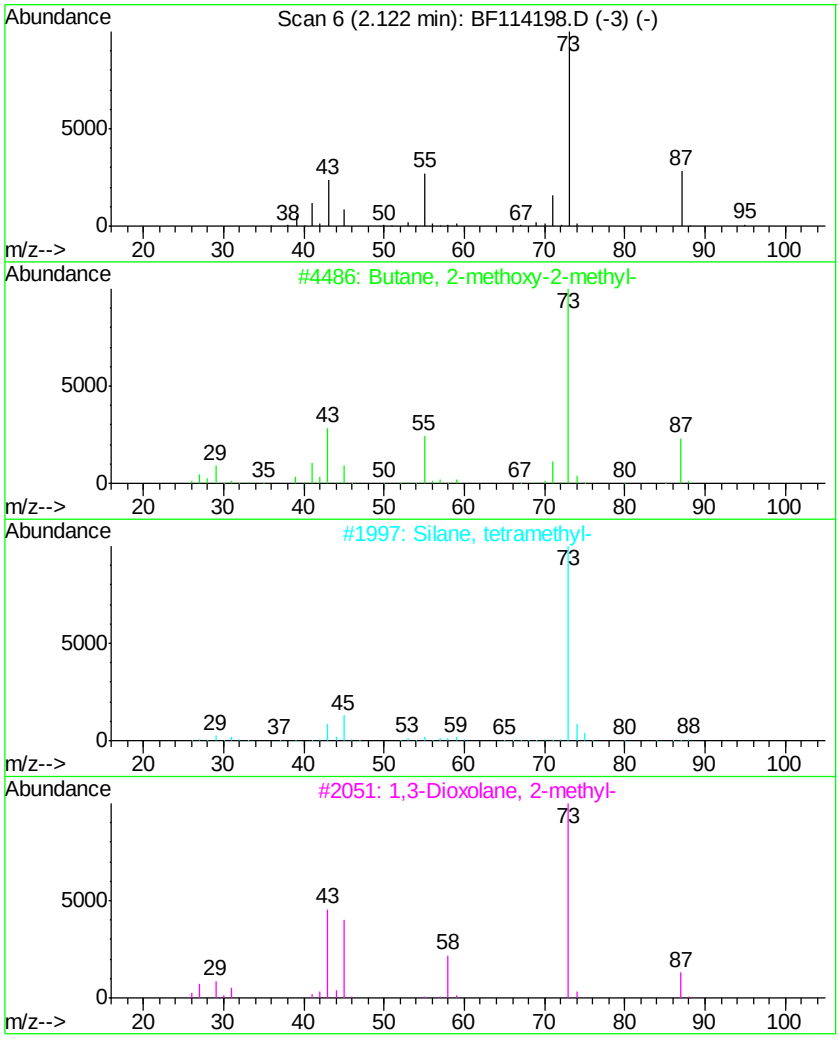
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

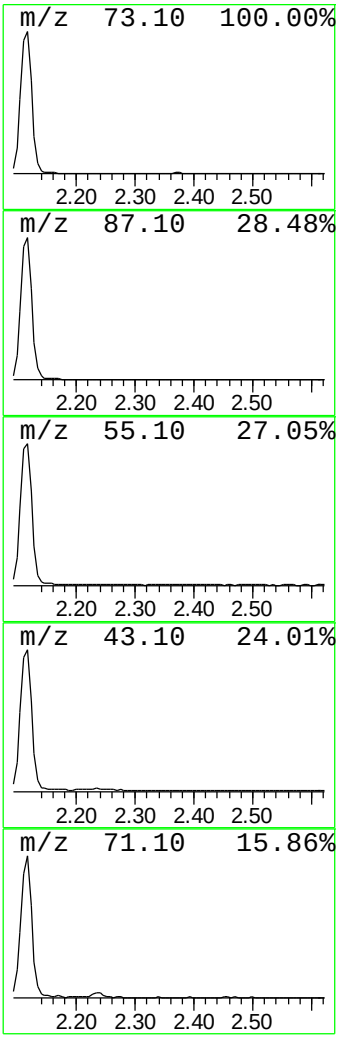
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	12.15 ng	1047820	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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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

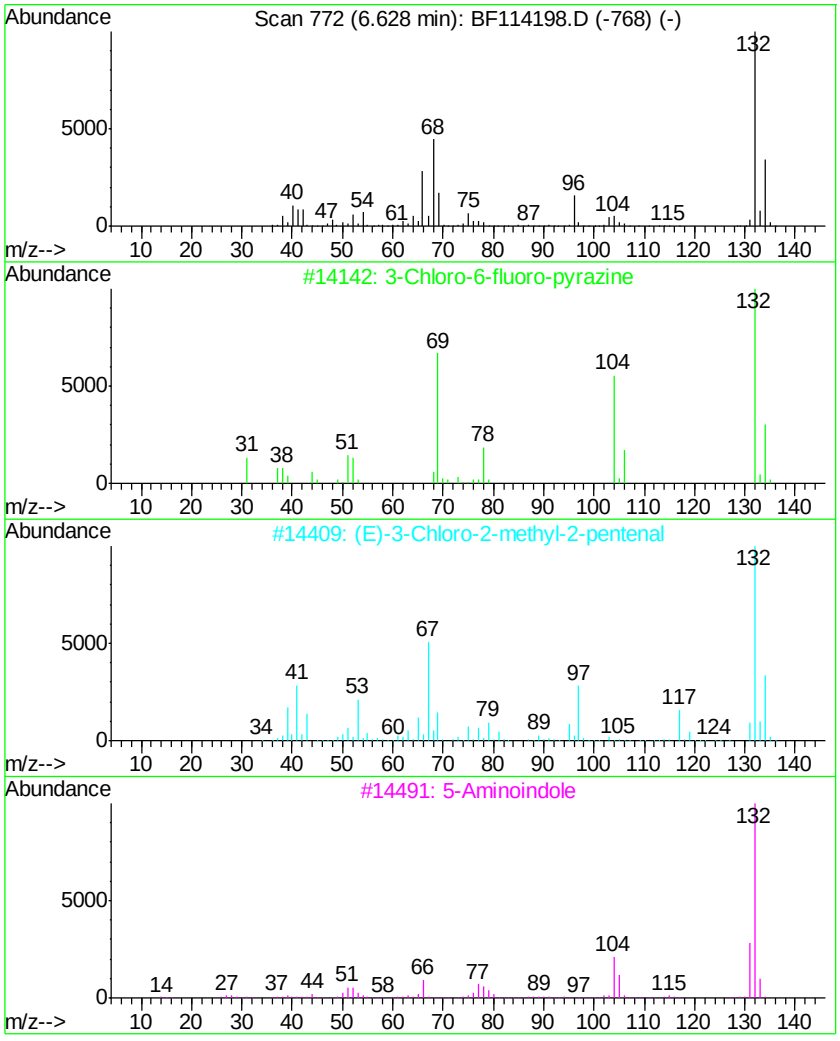
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

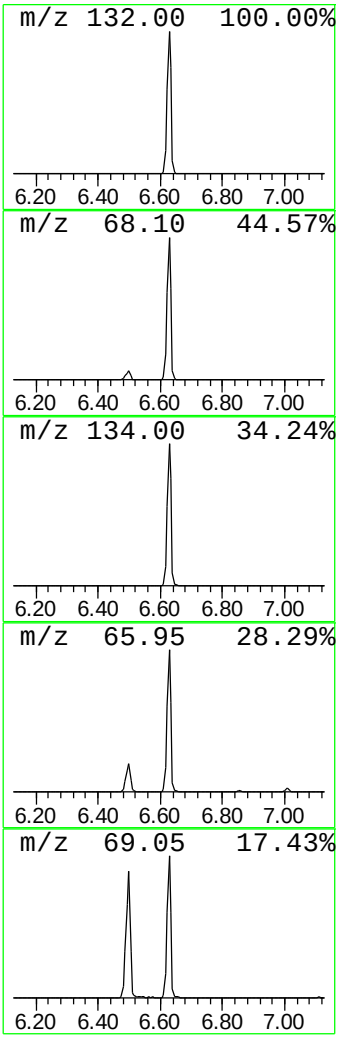
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	60.14 ng	5187460	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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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Acq On : 12 May 2019 17:48
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Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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

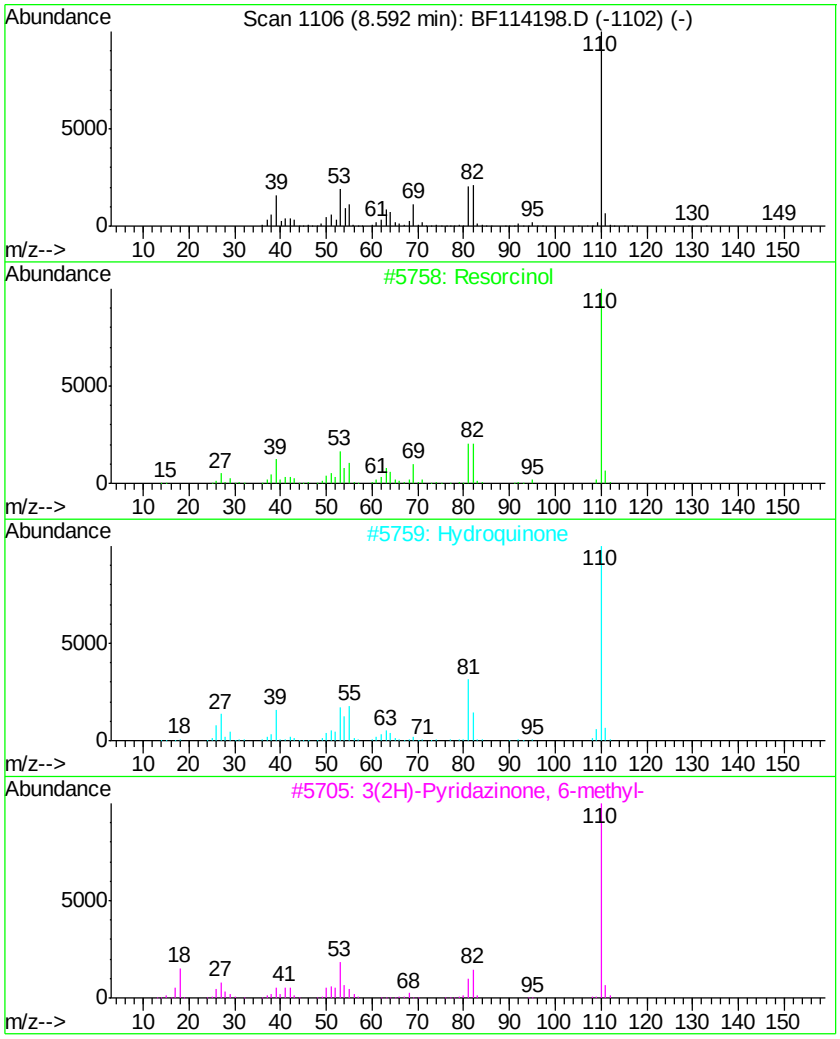
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

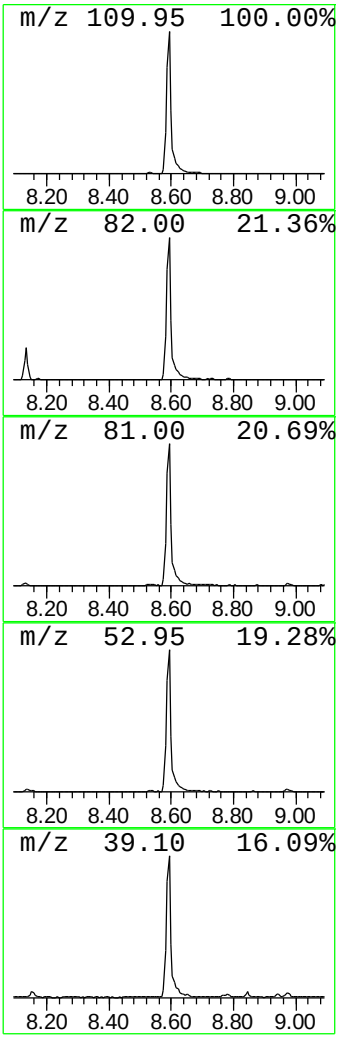
****

Peak Number 4 Resorcinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	26.55 ng	2822050	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	80
3	3(2H)-Pyridazinone, 6-methyl-	110	C5H6N2O	013327-27-0	64
4	2(1H)-Pyridinone, 3-amino-	110	C5H6N2O	033630-99-8	58
5	4(1H)-Pyrimidinone, 6-methyl-	110	C5H6N2O	003524-87-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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

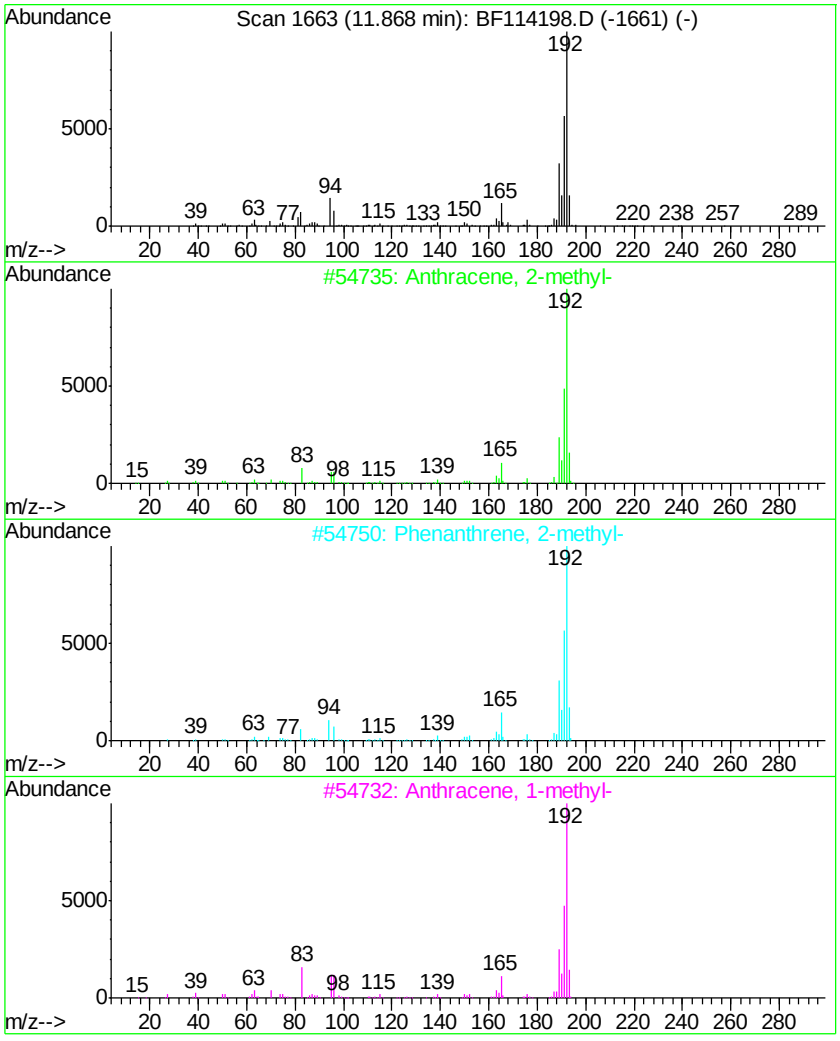
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

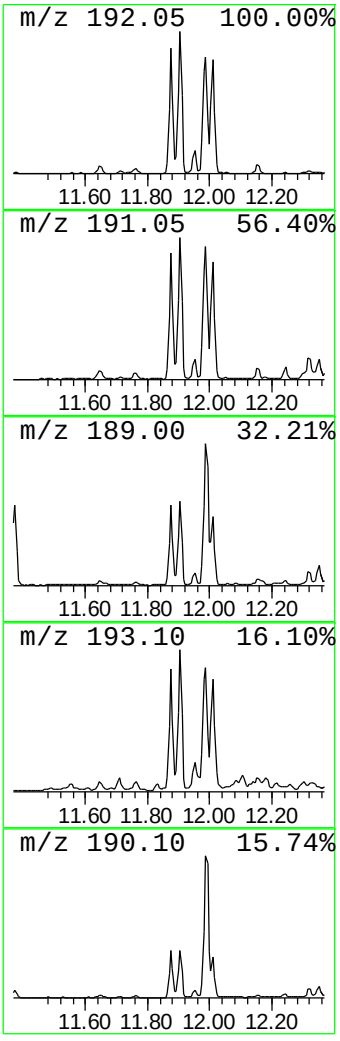
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	11.18 ng	1333690	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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

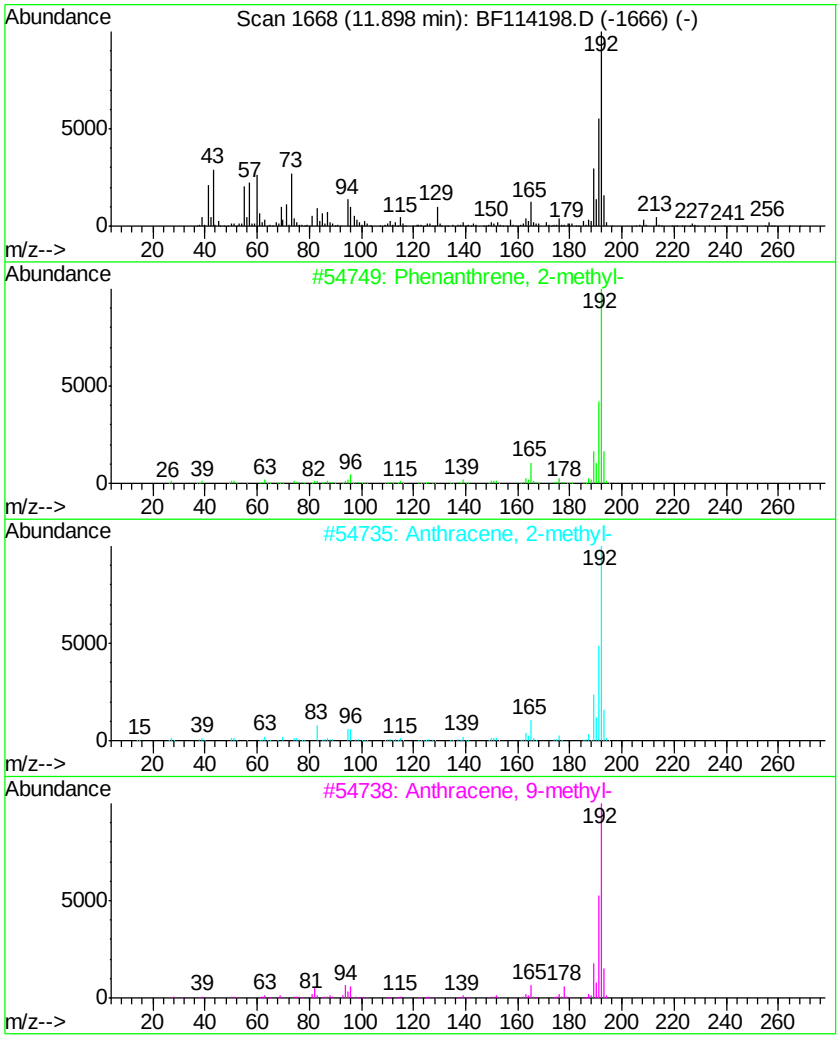
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

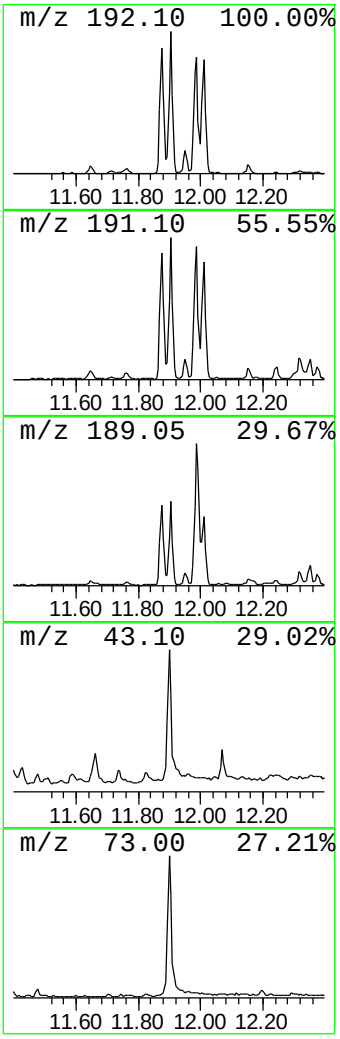
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	18.04 ng	2151730	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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
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ClientSampleId : P026-SS010-0002-01

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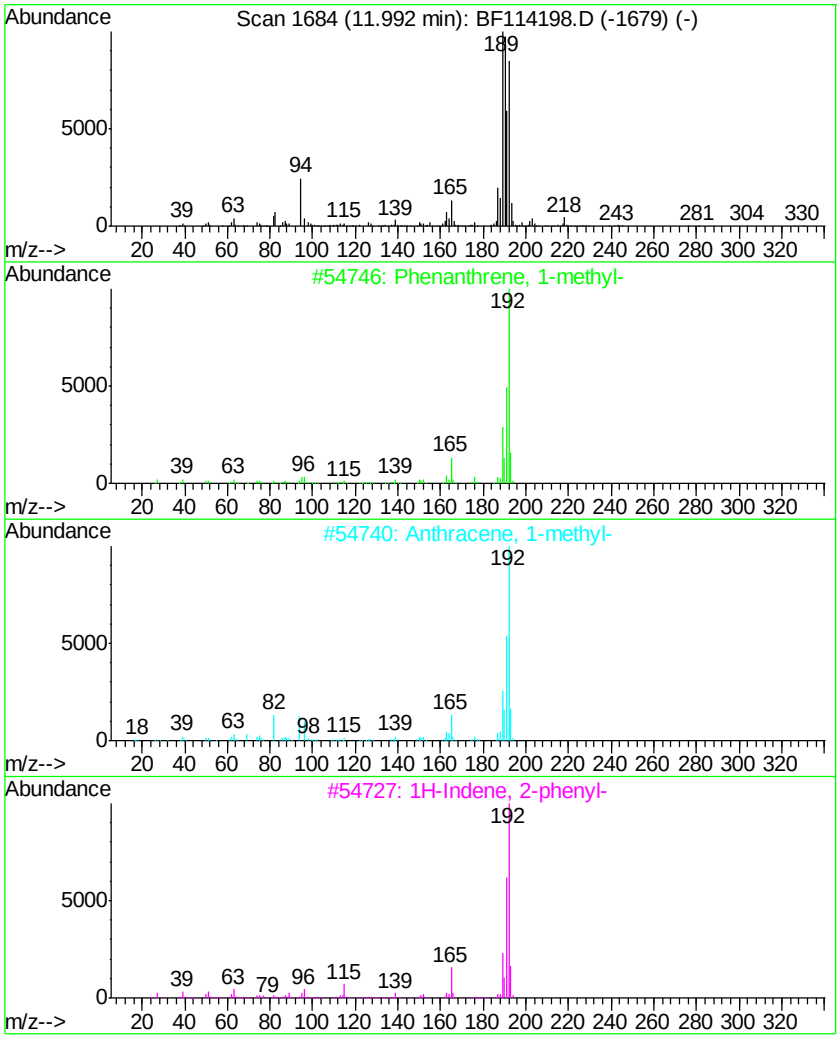
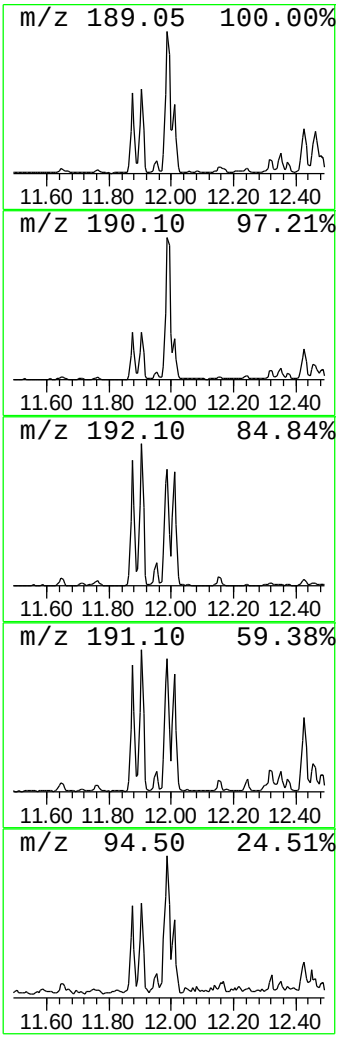
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	17.09 ng	2038120	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





Library Search Compound Report

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ClientSampleId : P026-SS010-0002-01

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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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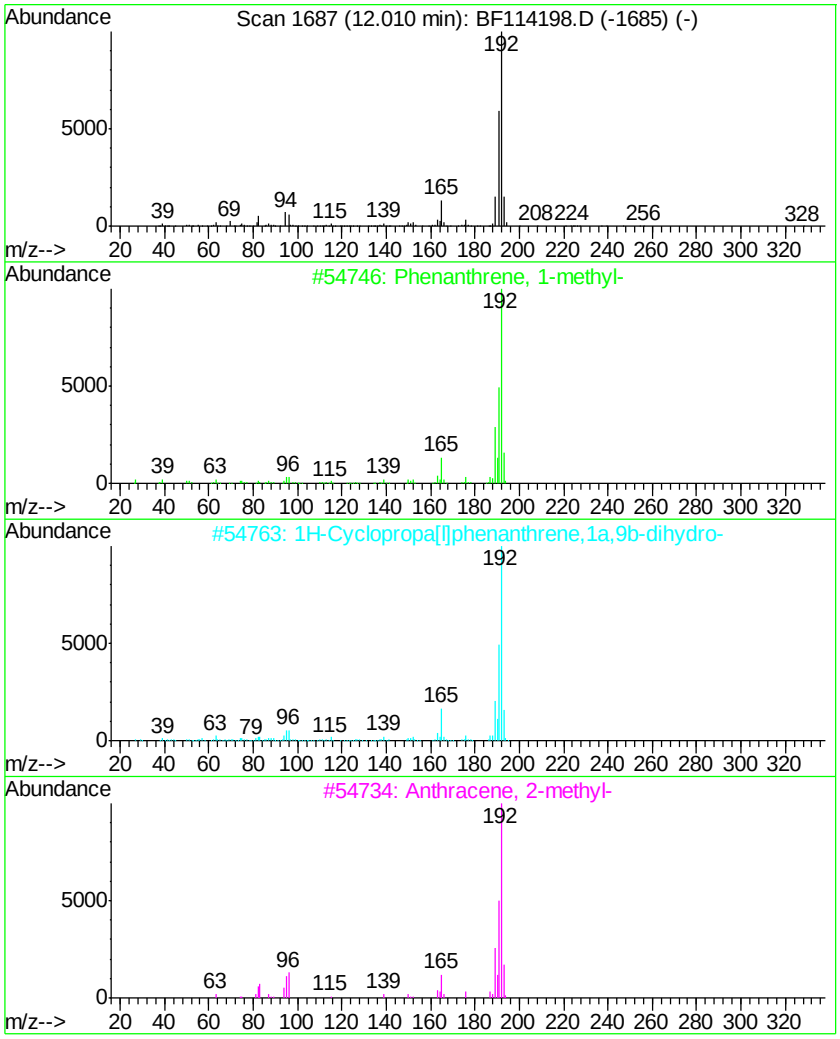
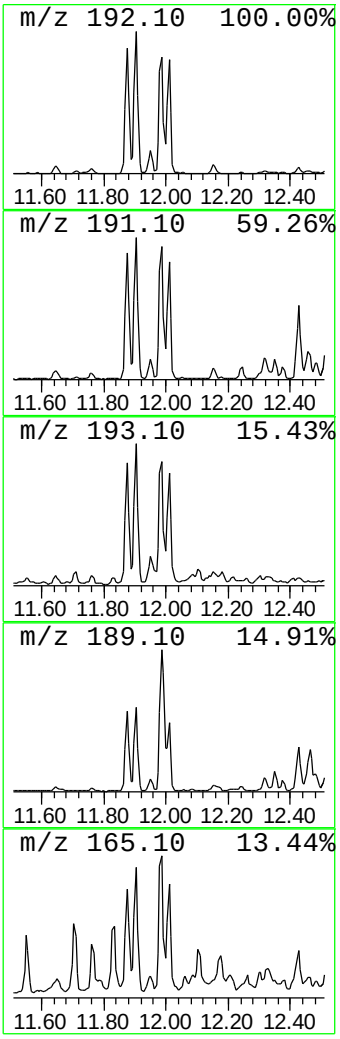
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	9.01 ng	1074270	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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

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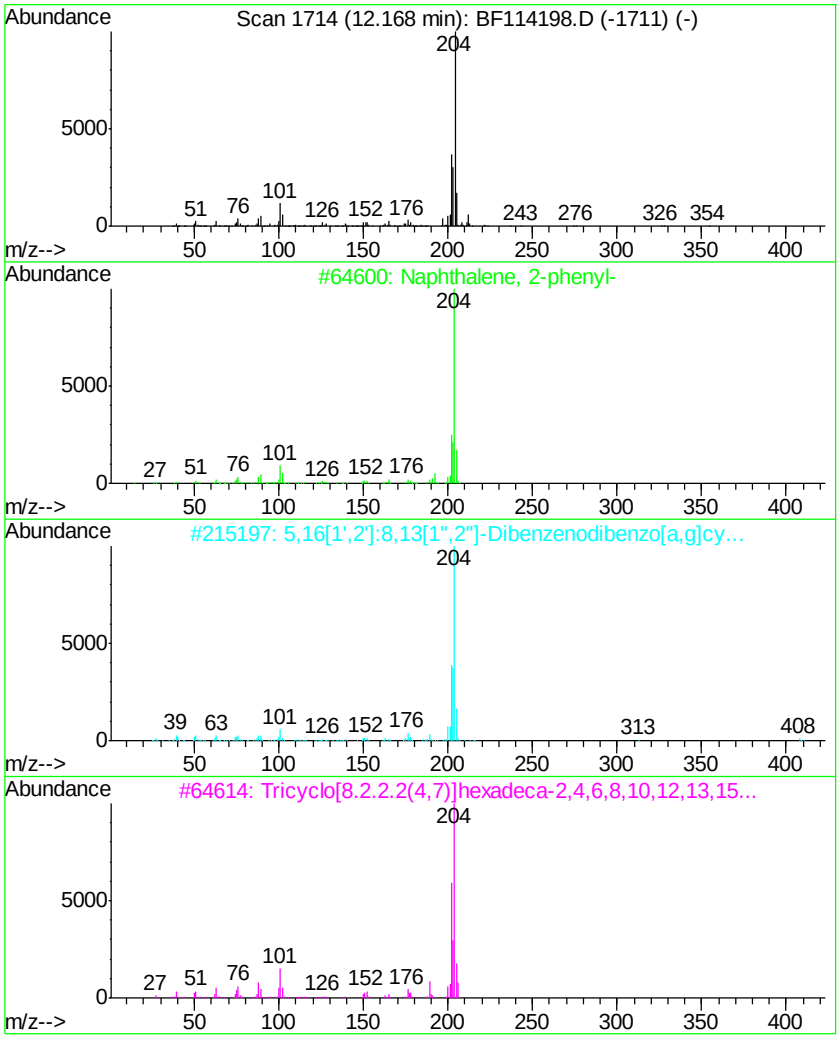
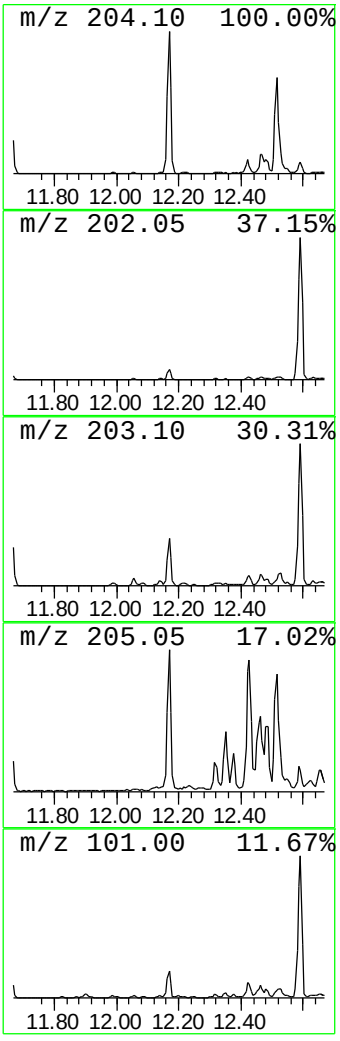
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	9.83 ng	1172240	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
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	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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ClientSampleId : P026-SS010-0002-01

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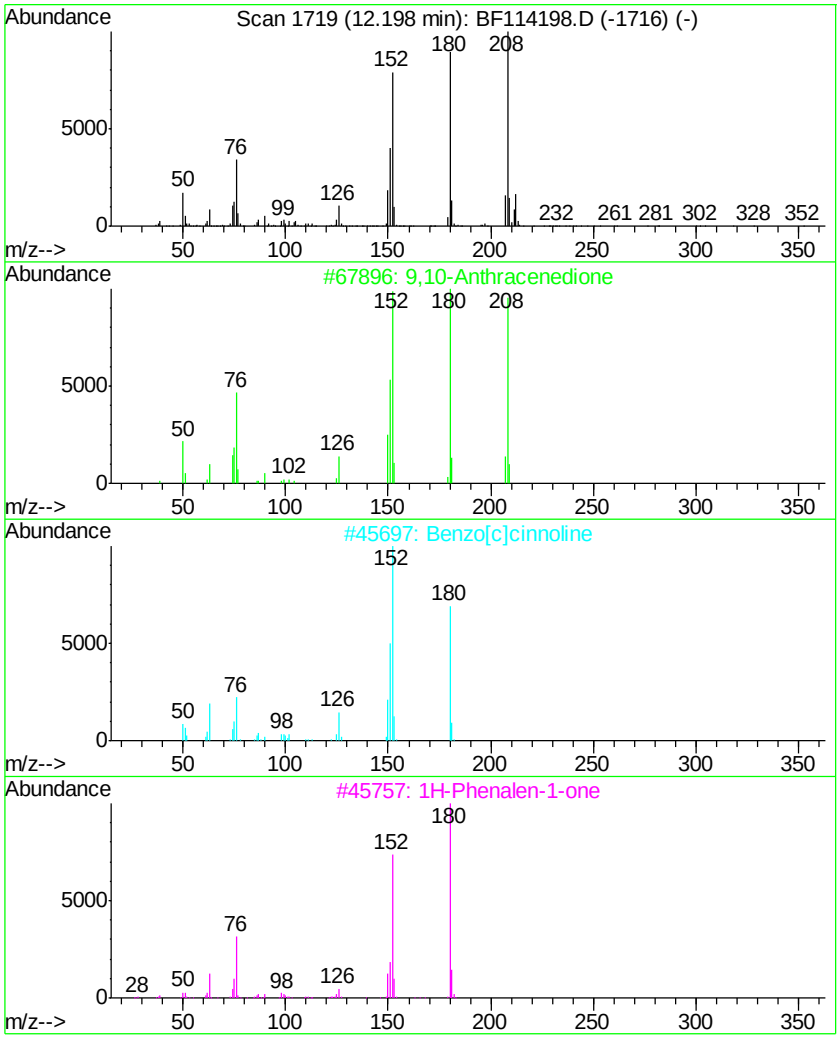
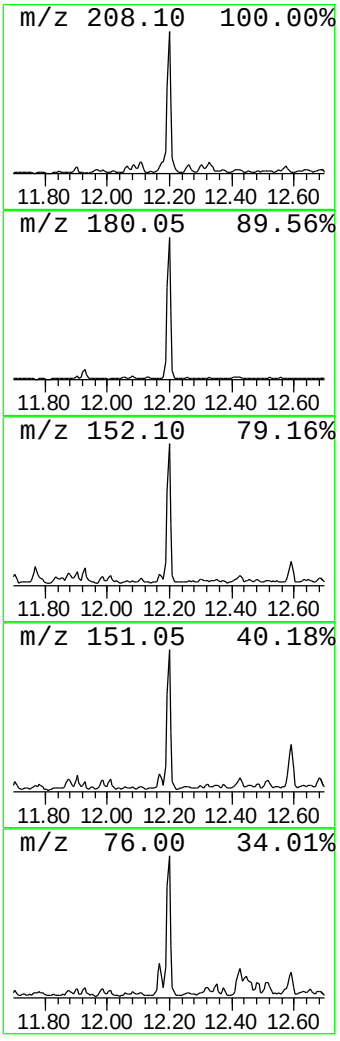
Peak Number 10 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	11.06 ng	1318420	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	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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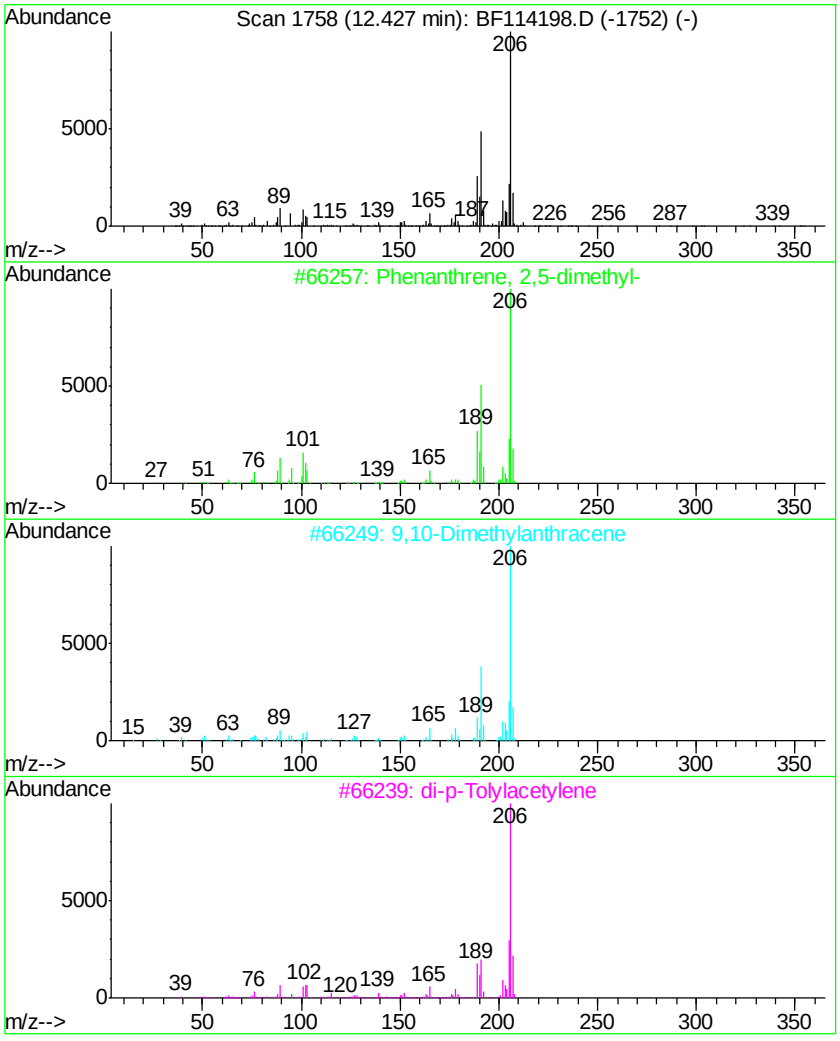
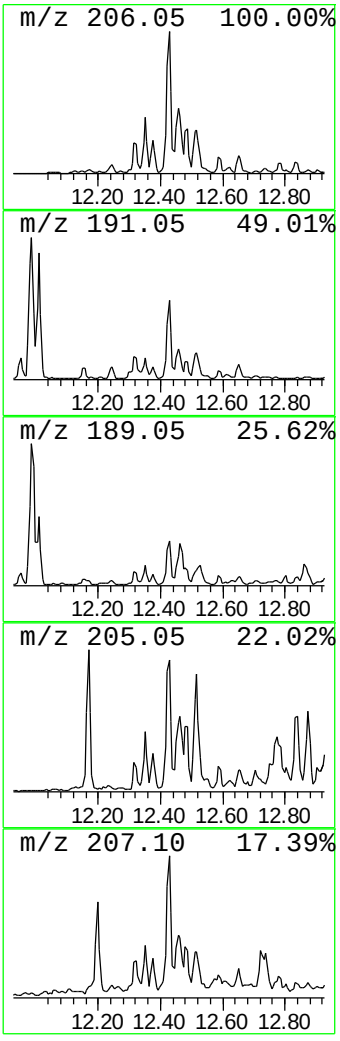
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	13.10 ng	1561860	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	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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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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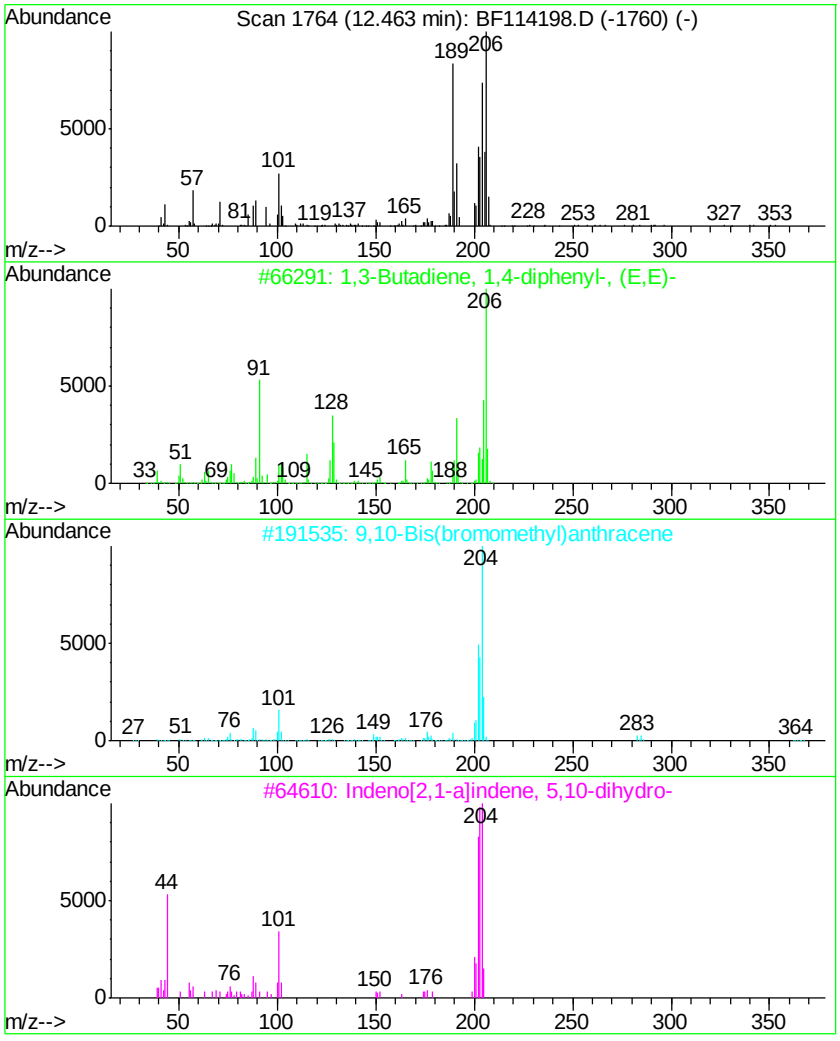
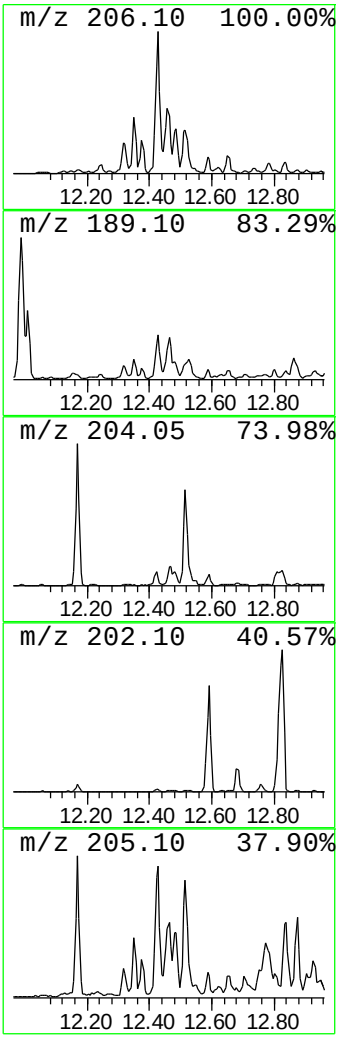
Peak Number 12 unknown12.46 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	7.82 ng	932156	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





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ClientSampleId : P026-SS010-0002-01

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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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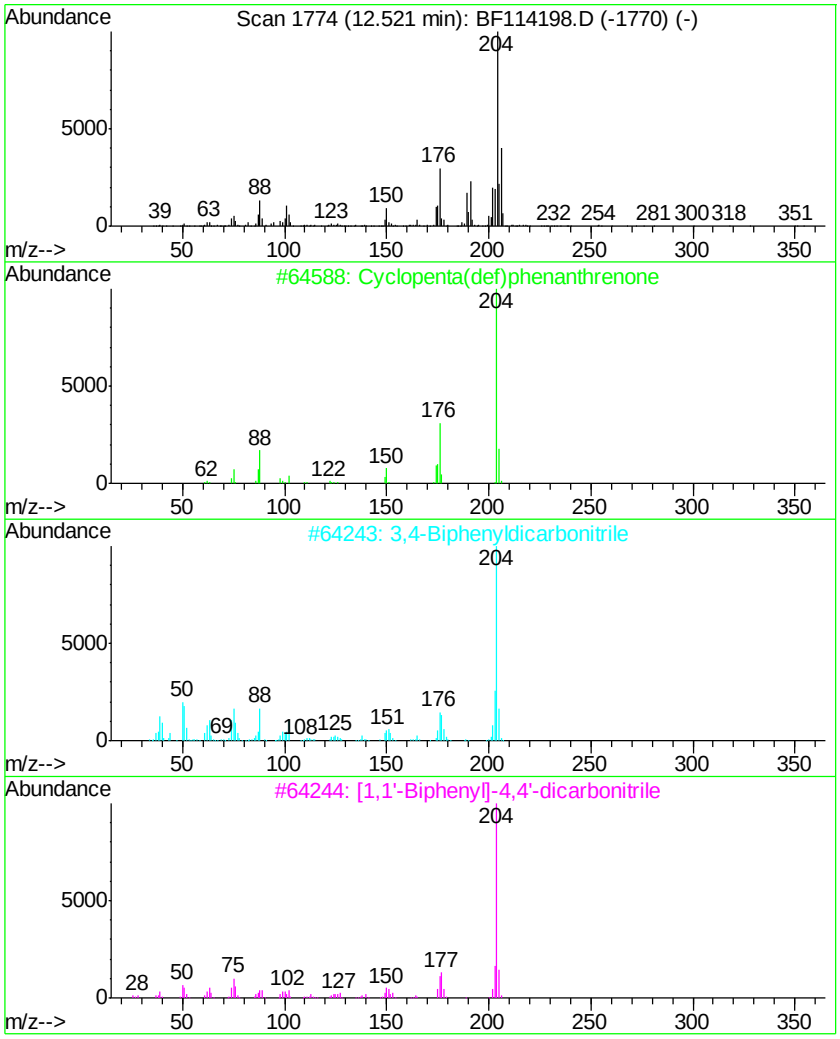
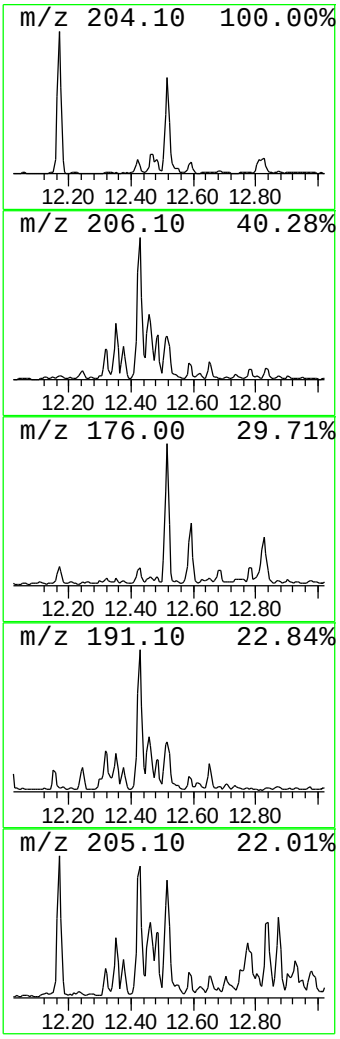
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	10.63 ng	1267870	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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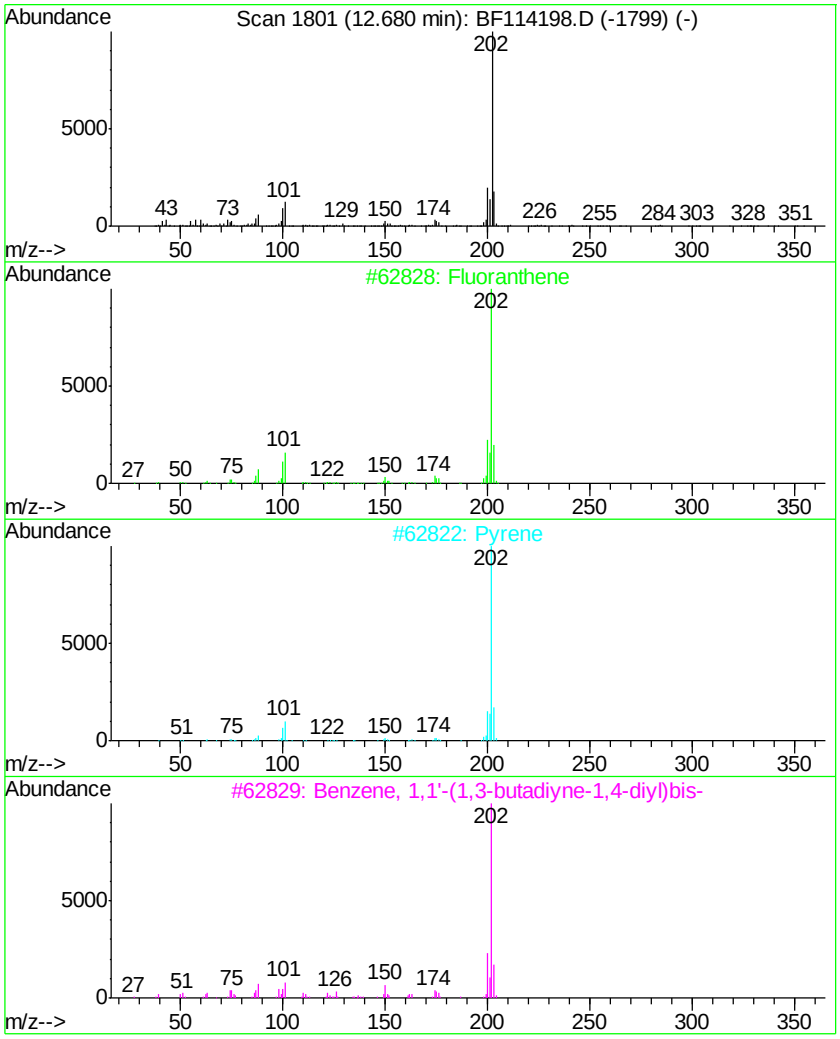
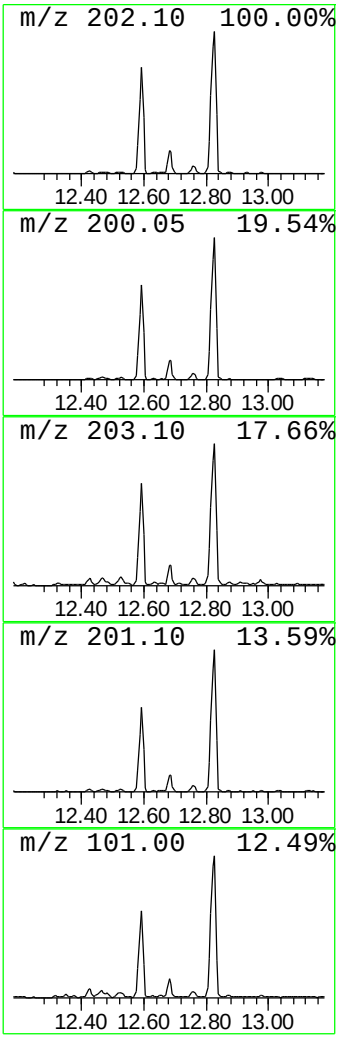
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	8.73 ng	1040760	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	98
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
4	l-Leucine, N-methyl-N-(2-methoxy...	485	C28H55NO5	1000328-55-1	47
5	1H-Indole-3-propanoic acid, 1-(t...	275	C15H21NO2Si	056196-72-6	38





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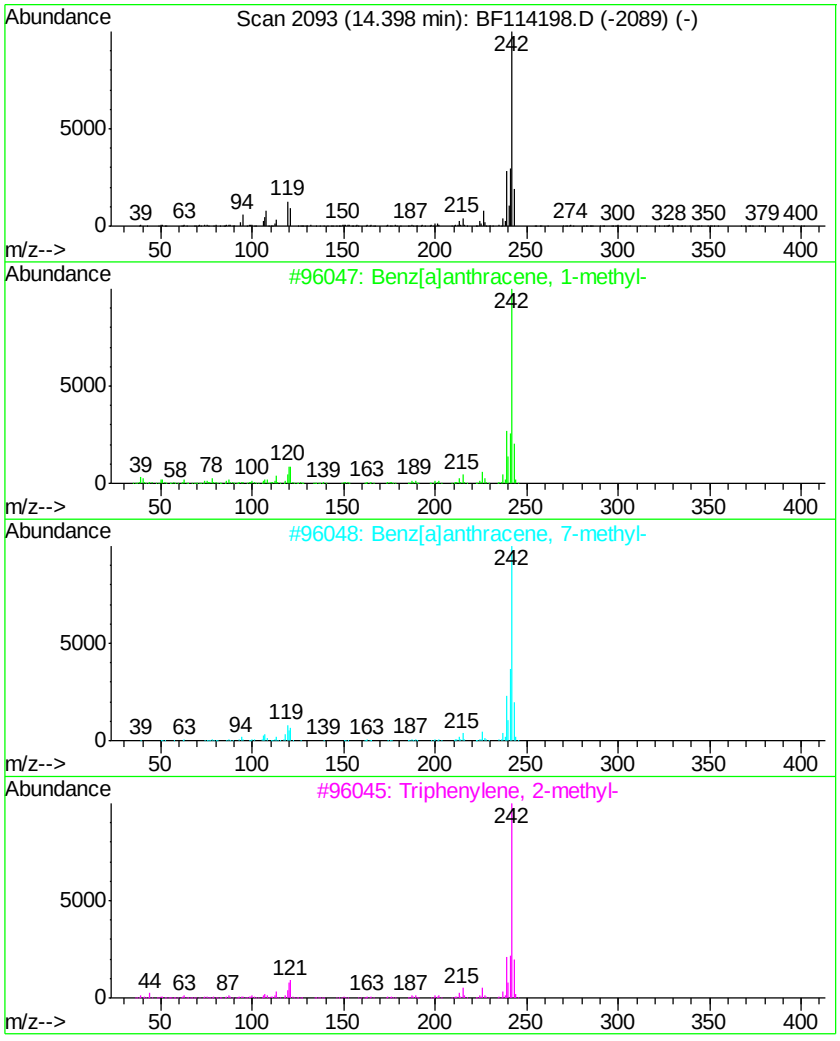
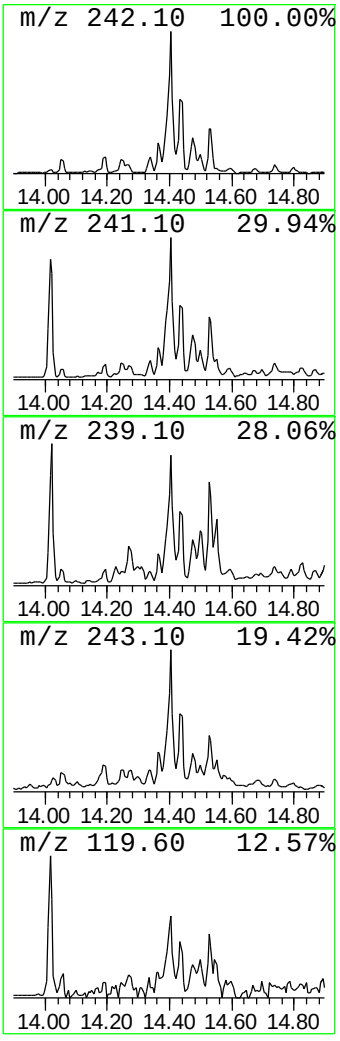
Peak Number 15 Benz[a]anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	5.62 ng	1603440	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	2-Methylchrysene	242	C19H14	003351-32-4	90





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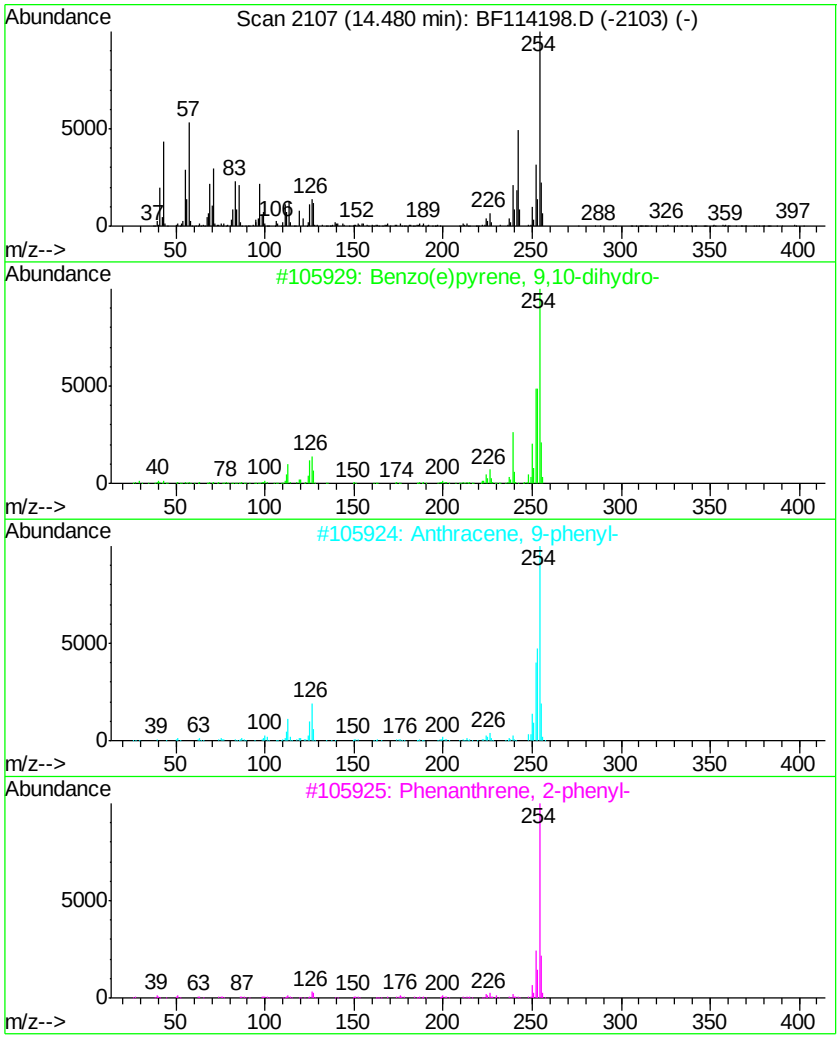
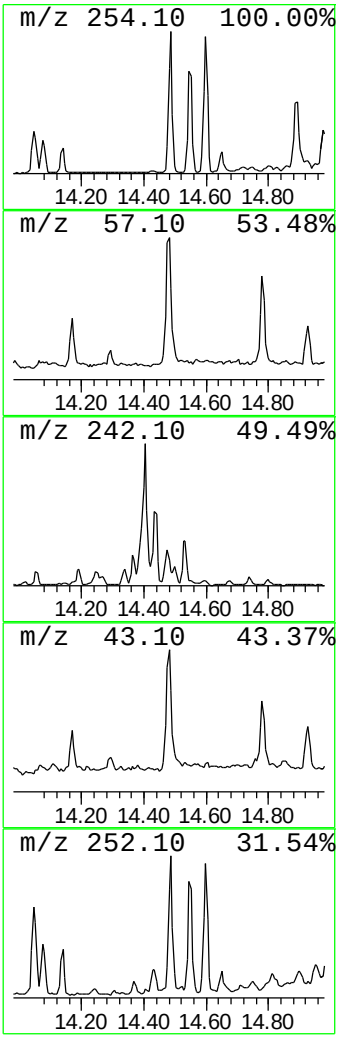
Peak Number 16 Benzo(e)pyrene, 9,10-dihydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	6.75 ng	1923140	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	66
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	55
3	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	46
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	41
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	41





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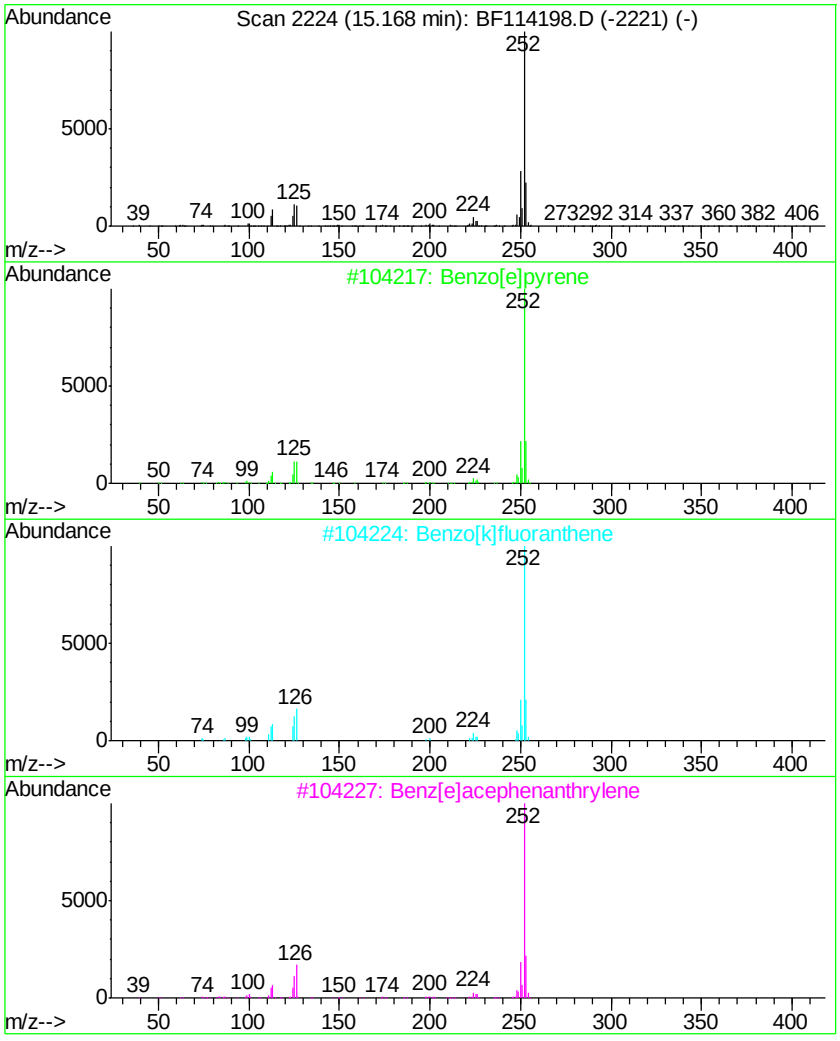
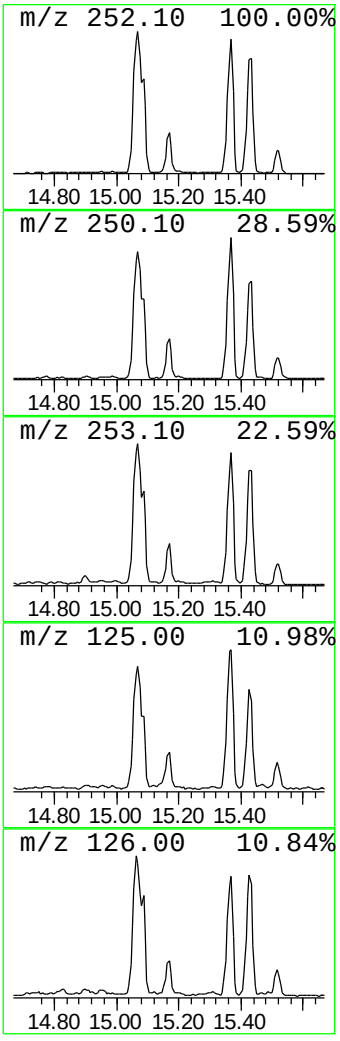
Peak Number 17 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.86 ng	717704	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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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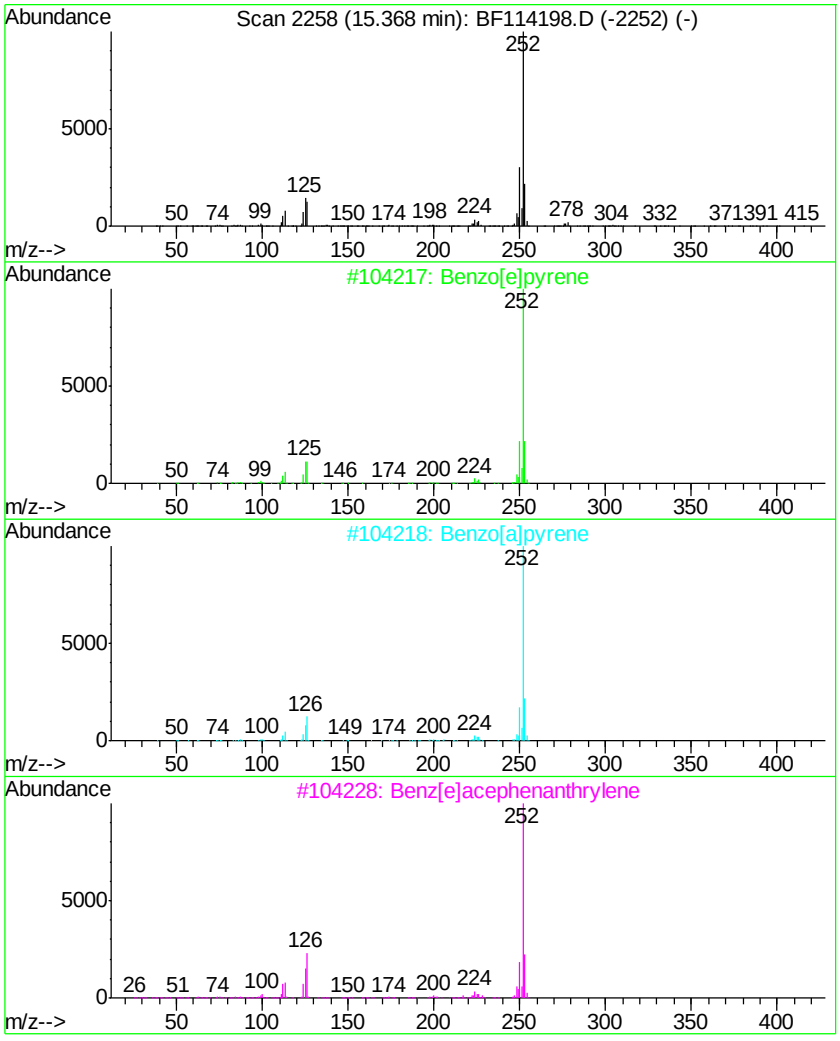
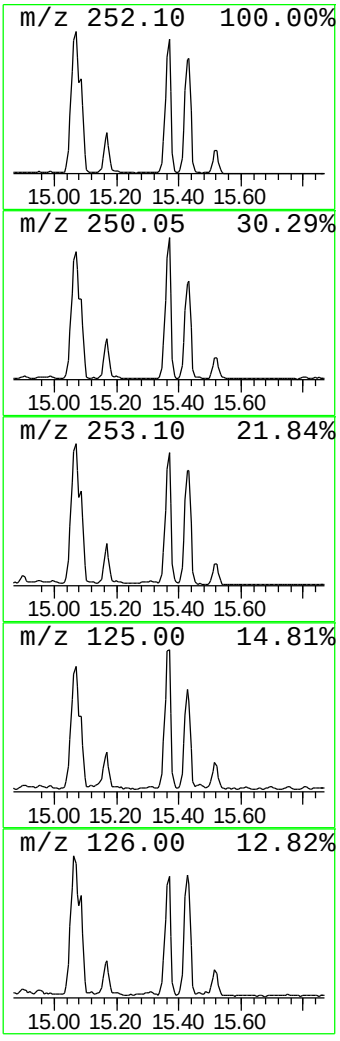
Peak Number 18 unknown15.37 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	31.68 ng	3316840	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	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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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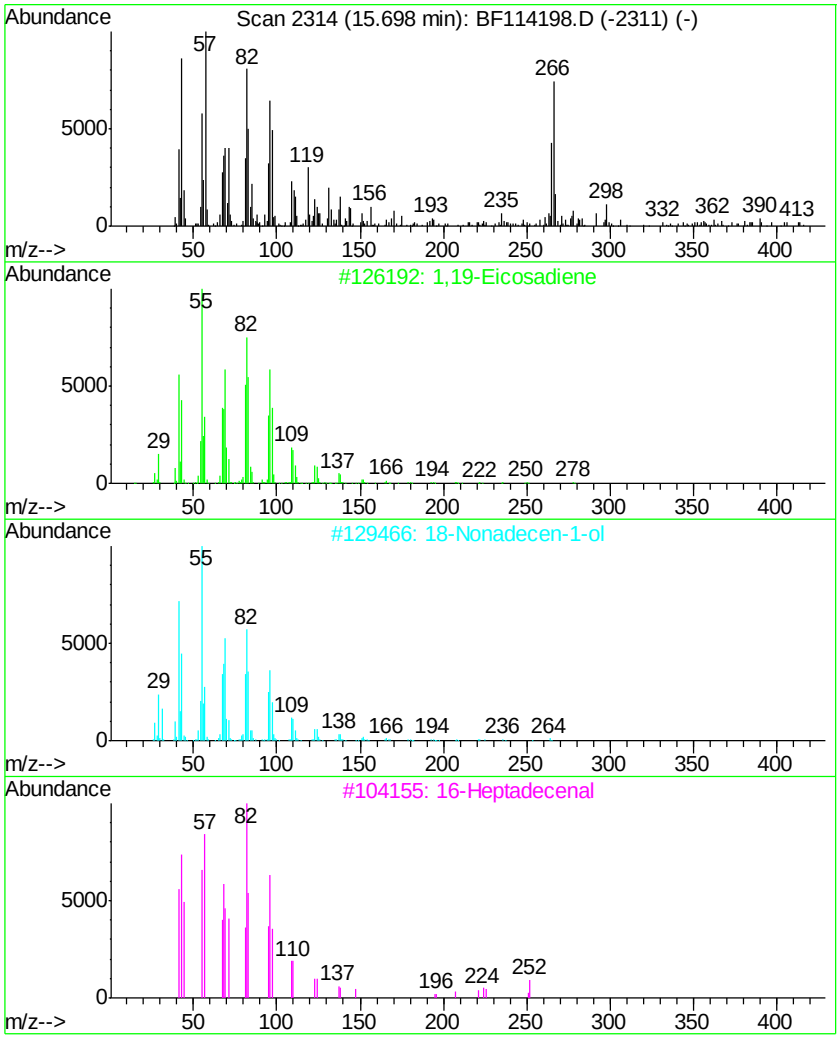
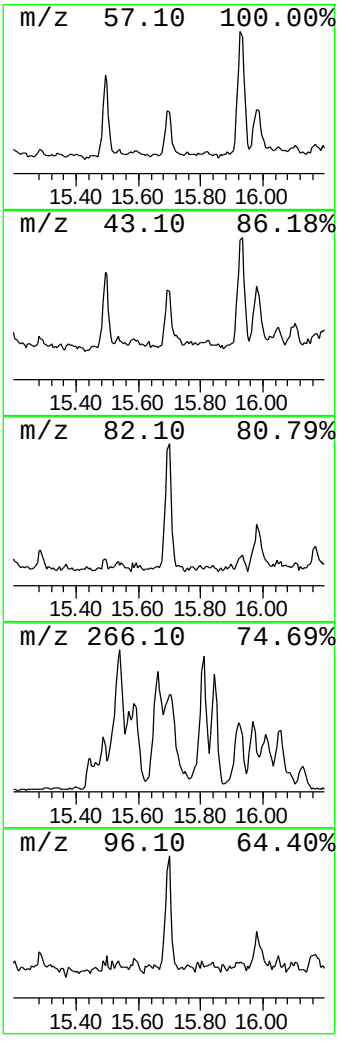
Peak Number 19 1,19-Eicosadiene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	5.64 ng	590407	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	50
2	18-Nonadecen-1-ol	282	C19H38O	1000142-89-2	46
3	16-Heptadecenal	252	C17H32O	1000144-57-9	42
4	Tetradecanal	212	C14H28O	000124-25-4	42
5	Octadecanal	268	C18H36O	000638-66-4	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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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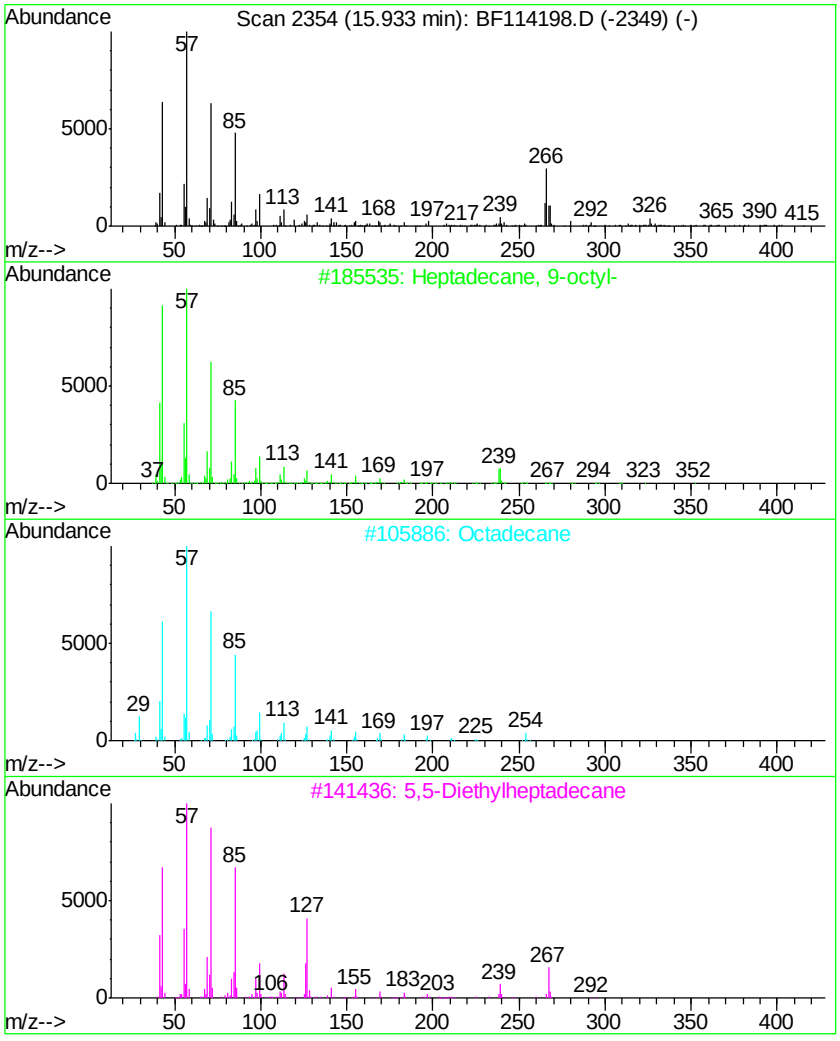
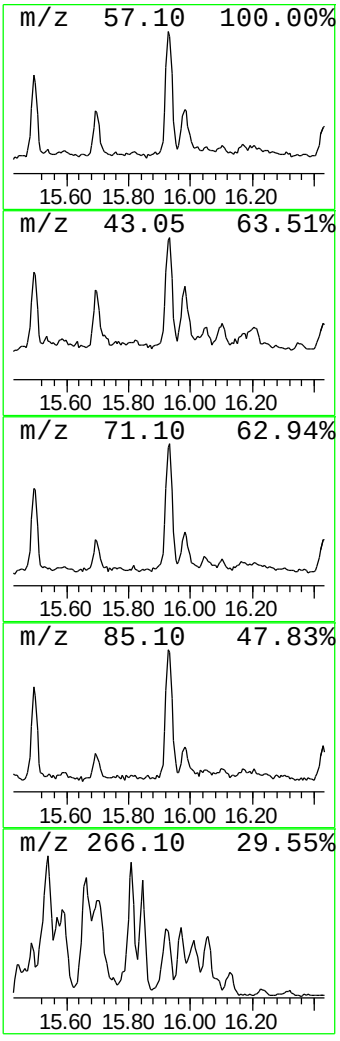
Peak Number 20 Heptadecane, 9-octyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.61 ng	587636	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	89
2	Octadecane	254	C18H38	000593-45-3	74
3	5,5-Diethylheptadecane	296	C21H44	1000360-41-7	46
4	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	46
5	Heptadecane	240	C17H36	000629-78-7	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
Data File : BF114198.D
Acq On : 12 May 2019 17:48
Operator : JU/SJ
Sample : K2767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS010-0002-01

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...	2.12	12.2	ng	1047820	1	6.85	1725210	20.0
unknown6.63	6.63	60.1	ng	5187460	1	6.85	1725210	20.0
Resorcinol	8.59	26.6	ng	2822050	2	8.13	2125590	20.0
Anthracene, 2-met...	11.87	11.2	ng	1333690	4	11.37	2384960	20.0
Phenanthrene, 2-m...	11.90	18.0	ng	2151730	4	11.37	2384960	20.0
Phenanthrene, 1-m...	11.99	17.1	ng	2038120	4	11.37	2384960	20.0
1H-Cyclopropa[l]p...	12.01	9.0	ng	1074270	4	11.37	2384960	20.0
Naphthalene, 2-ph...	12.17	9.8	ng	1172240	4	11.37	2384960	20.0
9,10-Anthracenedione	12.20	11.1	ng	1318420	4	11.37	2384960	20.0
Phenanthrene, 2,5...	12.43	13.1	ng	1561860	4	11.37	2384960	20.0
unknown12.46	12.46	7.8	ng	932156	4	11.37	2384960	20.0
Cyclopenta(def)ph...	12.52	10.6	ng	1267870	4	11.37	2384960	20.0
Benzene, 1,1'-(1,...	12.68	8.7	ng	1040760	4	11.37	2384960	20.0
Benz[a]anthracene...	14.40	5.6	ng	1603440	5	14.02	5701700	20.0
Benzo(e)pyrene, 9...	14.48	6.8	ng	1923140	5	14.02	5701700	20.0
Benzo[e]pyrene	15.17	6.9	ng	717704	6	15.49	2093670	20.0
unknown15.37	15.37	31.7	ng	3316840	6	15.49	2093670	20.0
1,19-Eicosadiene	15.70	5.6	ng	590407	6	15.49	2093670	20.0
Heptadecane, 9-oc...	15.93	5.6	ng	587636	6	15.49	2093670	20.0