LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

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-BF061918.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	5.201	483	487	496	rBV	84472	103542	10.58%	0.643%
2	5.607	551	556	559	rBV	899675	874118	89.36%	5.424%
3	6.607	721	726	737	rVB	840451	898793	91.88%	5.578%
4	6.737	744	748	751	rBV	998649	906108	92.63%	5.623%
5	6.960	783	786	789	rBV	343315	264503	27.04%	1.641%
6	7.119	809	813	816	rBV	824087	723078	73.92%	4.487%
7	7.525	877	882	885	rBV	613525	565635	57.82%	3.510%
8	8.242	1000	1004	1006	rBV	380516	313030	32.00%	1.943%
9	8.266	1006	1008	1011	rVB	93183	69444	7.10%	0.431%
10	8.954	1122	1125	1130	rBB	35691	30821	3.15%	0.191%
11	9.054	1139	1142	1146	rBB	26709	20958	2.14%	0.130%
12	9.319	1182	1187	1190	rBV	1013914	938695	95.96%	5.825%
13	9.654	1241	1244	1247	rBV	20205	18426	1.88%	0.114%
14	9.707	1250	1253	1260	rVV	171284	135597	13.86%	0.841%
15	9.866	1277	1280	1284	rVB	36627	31299	3.20%	0.194%
16	9.913	1284	1288	1292	rBV2	14633	16168	1.65%	0.100%
17	10.001	1300	1303	1306	rBV2	351101	304565	31.13%	1.890%
18	10.036	1306	1309	1313	rVB	74995	60314	6.17%	0.374%
19	10.207	1333	1338	1341	rBV	58683	52088	5.32%	0.323%
20	10.413	1370	1373	1376	rVB2	28998	25884	2.65%	0.161%
21	10.548	1393	1396	1402	rVB	92244	88616	9.06%	0.550%
22	10.707	1421	1423	1427	rVB	22058	19000	1.94%	0.118%
23	10.795	1434	1438	1442	rBV	619411	564463	57.70%	3.503%
24	10.883	1450	1453	1458	rBV	29533	32473	3.32%	0.202%
25	11.101	1483	1490	1493	rBV2	23770	34186	3.49%	0.212%
26	11.224	1507	1511	1513	rBV4	11541	15576	1.59%	0.097%
27	11.248	1513	1515	1520	rVV2	13557	15724	1.61%	0.098%
28	11.301	1520	1524	1527	rVV	18613	17879	1.83%	0.111%
29	11.336	1527	1530	1533	rVV2	27306	30239	3.09%	0.188%
30	11.389	1537	1539	1543	rVB	35460	31530	3.22%	0.196%
31	11.495	1554	1557	1559	rBV	342657	300500	30.72%	1.865%
32	11.519	1559	1561	1565	rVV	611608	554602	56.69%	3.442%
33	11.572	1565	1570	1573	rVV	183953	153630	15.70%	0.953%
34	11.607	1573	1576	1578	rVB	19781	18100	1.85%	0.112%

LSC Area Percent Report

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Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.730	1592	1597	1600	rBV	48140	49743	5.08%	0.309%
36	11.824	1611	1613	1618	rVB3	13886	15156	1.55%	0.094%
37	11.995	1637	1642	1645	rBV	87686	80062	8.18%	0.497%
38	12.024	1645	1647	1651	rVB	123760	99794	10.20%	0.619%
39	12.071	1651	1655	1658	rBV	52420	43656	4.46%	0.271%
40	12.113	1658	1662	1664	rBV2	139056	148984	15.23%	0.925%
41	12.130	1664	1665	1669	rVB	60341	46909	4.80%	0.291%
42	12.289	1689	1692	1695	rBV	66830	53558	5.47%	0.332%
43	12.324	1695	1698	1700	rBV	31794	26584	2.72%	0.165%
44	12.442	1711	1718	1720	rBV2	23701	30214	3.09%	0.187%
45	12.471	1720	1723	1725	rVV	23593	18549	1.90%	0.115%
46	12.548	1732	1736	1739	rBV	54430	62993	6.44%	0.391%
47	12.589	1740	1743	1745	rVV2	31722	39632	4.05%	0.246%
48	12.636	1748	1751	1755	rVV4	31189	40528	4.14%	0.252%
49	12.718	1760	1765	1768	rBV	838451	752189	76.89%	4.668%
50	12.748	1768	1770	1773	rVB2	15667	14966	1.53%	0.093%
51	12.777	1773	1775	1777	rVB	26690	20653	2.11%	0.128%
52	12.807	1777	1780	1782	rBV	25078	22549	2.31%	0.140%
53	12.866	1782	1790	1797	rVB3	32188	60132	6.15%	0.373%
54	12.924	1797	1800	1801	rBV	147051	127037	12.99%	0.788%
55	12.948	1801	1804	1809	rVB	744719	679340	69.45%	4.216%
56	12.989	1809	1811	1816	rVB3	47471	49216	5.03%	0.305%
57	13.077	1816	1826	1829	rBV	933975	978236	100.00%	6.071%
58	13.101	1829	1830	1834	rVB	38001	34087	3.48%	0.212%
59	13.160	1835	1840	1845	rBV2	51996	96236	9.84%	0.597%
60	13.218	1848	1850	1852	rVB	22963	15039	1.54%	0.093%
61	13.248	1852	1855	1856	rBV2	46539	51502	5.26%	0.320%
62	13.271	1856	1859	1863	rVB	140056	133789	13.68%	0.830%
63	13.342	1867	1871	1873	rBV	98678	93771	9.59%	0.582%
64	13.377	1873	1877	1880	rVV2	77656	86118	8.80%	0.534%
65	13.401	1880	1881	1884	rVB2	19337	16105	1.65%	0.100%
66	13.430	1884	1886	1890	rBV2	18591	24954	2.55%	0.155%
67	13.471	1890	1893	1896	rBV	45205	38653	3.95%	0.240%
68	13.501	1896	1898	1901	rVB	44250	39569	4.04%	0.246%
69	13.583	1908	1912	1915	rVB3	29373	42781	4.37%	0.265%
70	13.624	1917	1919	1922	rVV3	11367	16129	1.65%	0.100%
71	13.654	1922	1924	1926	rVV3	15069	14932	1.53%	0.093%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.677	1926	1928	1929	rVV	20159	18423	1.88%	0.114%
73	13.695	1929	1931	1934	rVV2	24892	23454	2.40%	0.146%
74	13.754	1938	1941	1944	rBV2	44061	48113	4.92%	0.299%
75	13.789	1944	1947	1951	rVB	62200	61845	6.32%	0.384%
76	13.848	1954	1957	1960	rVB2	21937	19474	1.99%	0.121%
77	13.901	1961	1966	1968	rBV3	77849	93068	9.51%	0.578%
78	13.924	1968	1970	1973	rVV	63808	59224	6.05%	0.368%
79	13.960	1973	1976	1980	rVV3	123468	154816	15.83%	0.961%
80	14.001	1980	1983	1986	rVB	43529	39129	4.00%	0.243%
81	14.060	1990	1993	1994	rBV3	17064	19375	1.98%	0.120%
82	14.107	1998	2001	2004	rBV	127505	112918	11.54%	0.701%
83	14.154	2004	2009	2012	rVV2	496499	777278	79.46%	4.824%
84	14.189	2012	2015	2022	rVB	369063	366312	37.45%	2.273%
85	14.242	2022	2024	2026	rBV3	15773	14054	1.44%	0.087%
86	14.271	2026	2029	2031	rBV	63054	61705	6.31%	0.383%
87	14.518	2069	2071	2073	rBV2	22083	19293	1.97%	0.120%
88	14.560	2073	2078	2081	rBV	85334	96755	9.89%	0.600%
89	14.595	2081	2084	2086	rBV	48173	46356	4.74%	0.288%
90	14.695	2098	2101	2102	rBV2	29087	29538	3.02%	0.183%
91	14.712	2102	2104	2109	rVB3	48184	48329	4.94%	0.300%
92	15.259	2192	2197	2200	rBV	227830	382869	39.14%	2.376%
93	15.371	2213	2216	2221	rVB	53876	61988	6.34%	0.385%
94	15.583	2248	2252	2259	rVB	139287	177413	18.14%	1.101%
95	15.648	2259	2263	2268	rBV	209495	259467	26.52%	1.610%
96	15.712	2270	2274	2278	rVV	171535	253677	25.93%	1.574%
97	15.748	2278	2280	2286	rVB2	56111	73698	7.53%	0.457%
98	17.295	2537	2543	2553	rVB	80748	170464	17.43%	1.058%
99	17.601	2593	2595	2605	rVB9	44238	90767	9.28%	0.563%
100	17.777	2619	2625	2635	rVB	62989	140559	14.37%	0.872%

Sum of corrected areas: 16114290

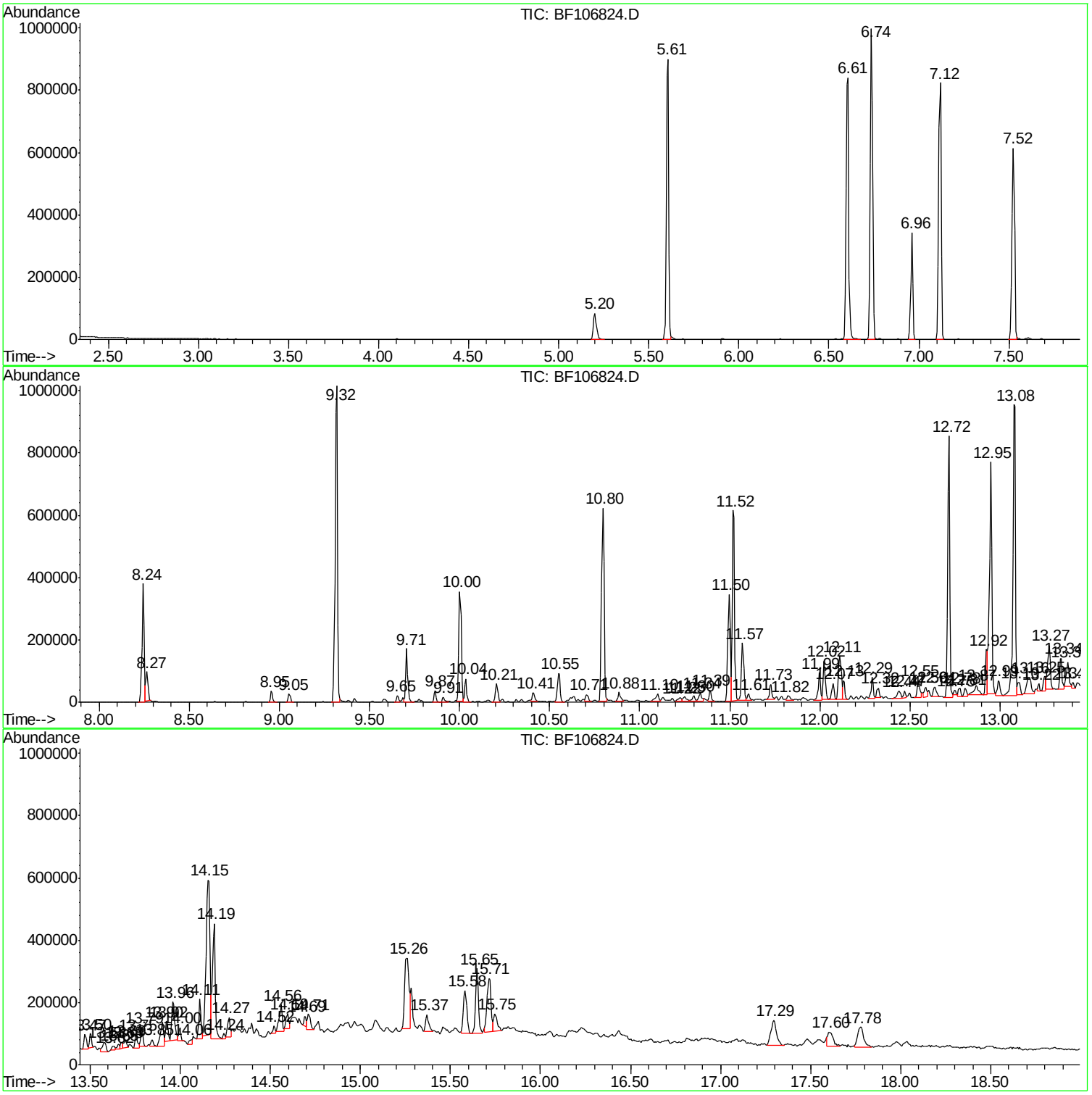
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062618\
Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
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Misc :
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Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

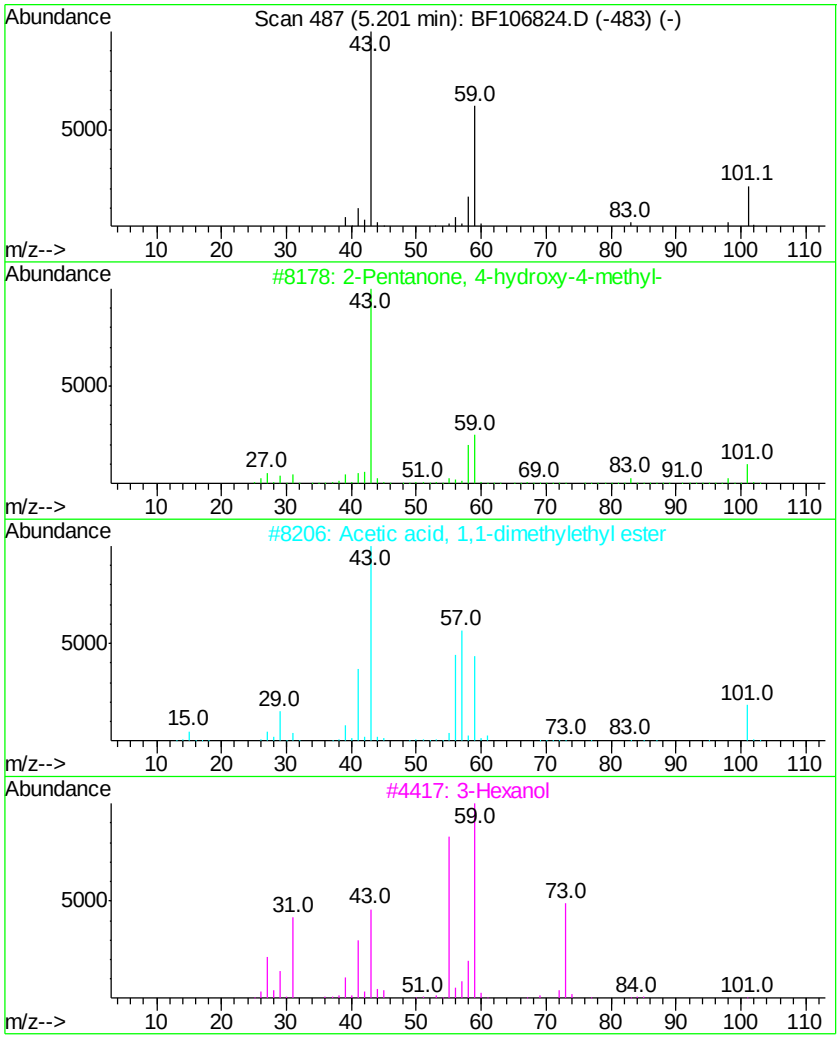
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

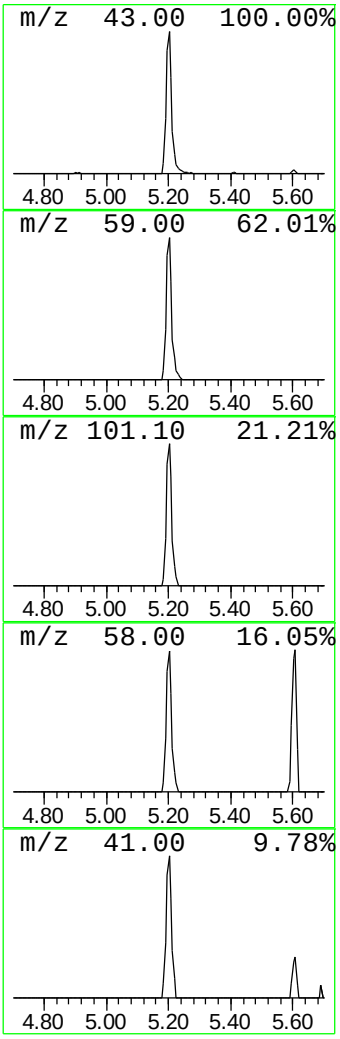
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	7.83 ng	103542	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106824.D
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Operator : JU/SJ
Sample : J3676-09
Misc :
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Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

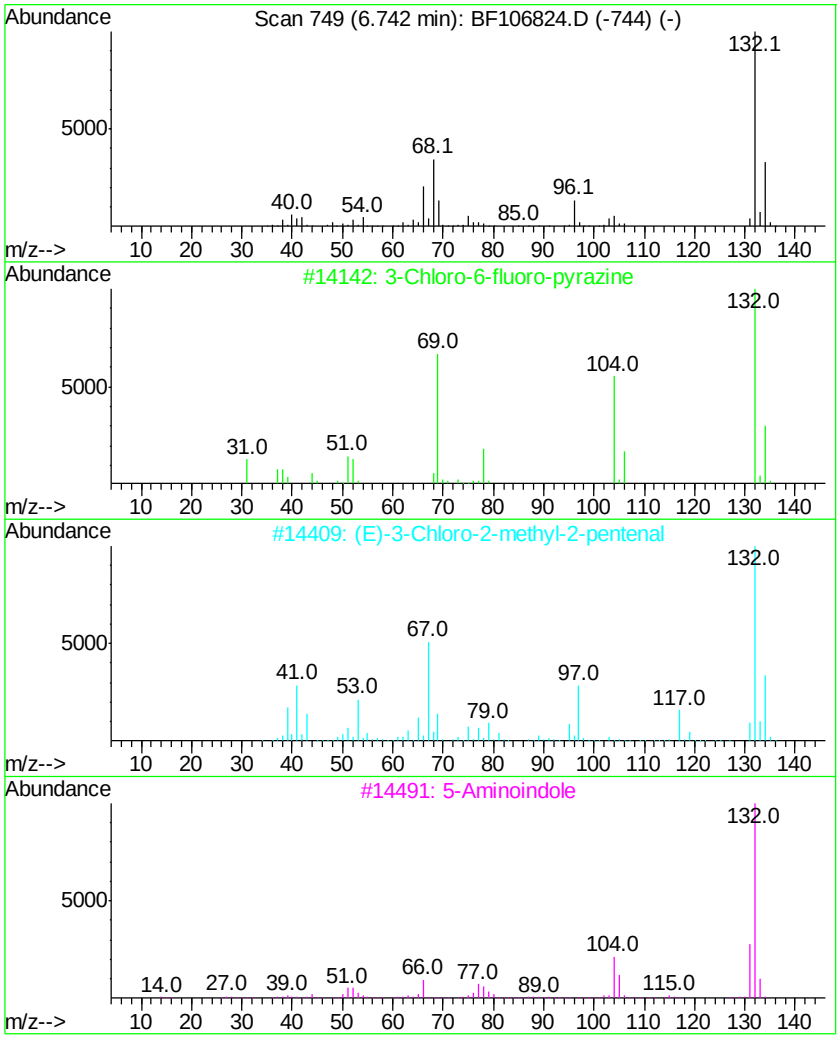
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

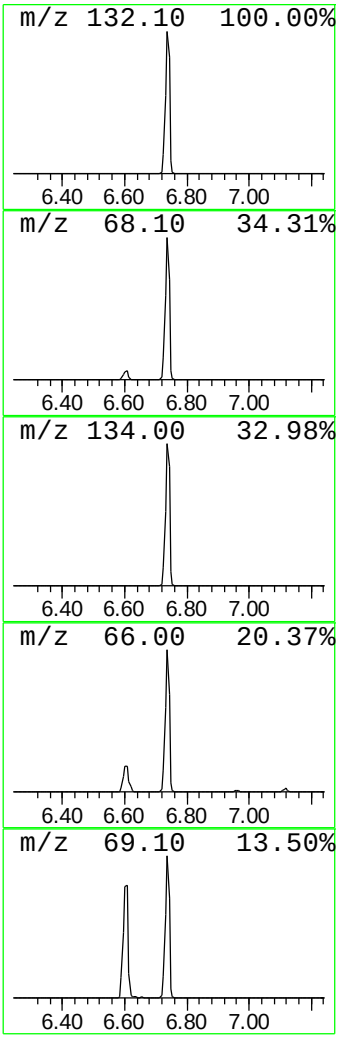
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	68.51 ng	906108	1,4-Dichlorobenzene-d4	6.96

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	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

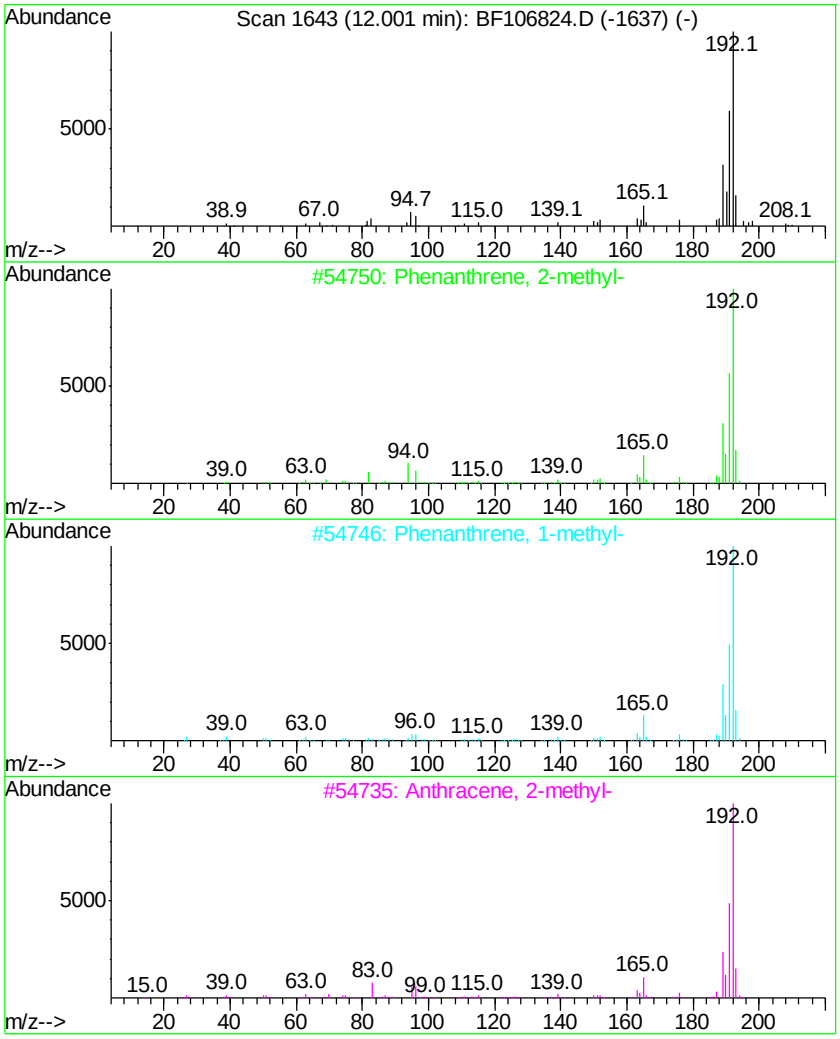
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

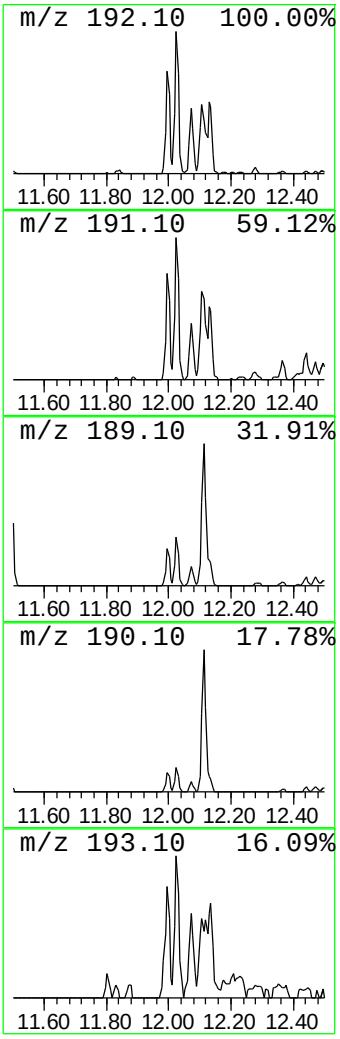
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.33 ng	80062	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

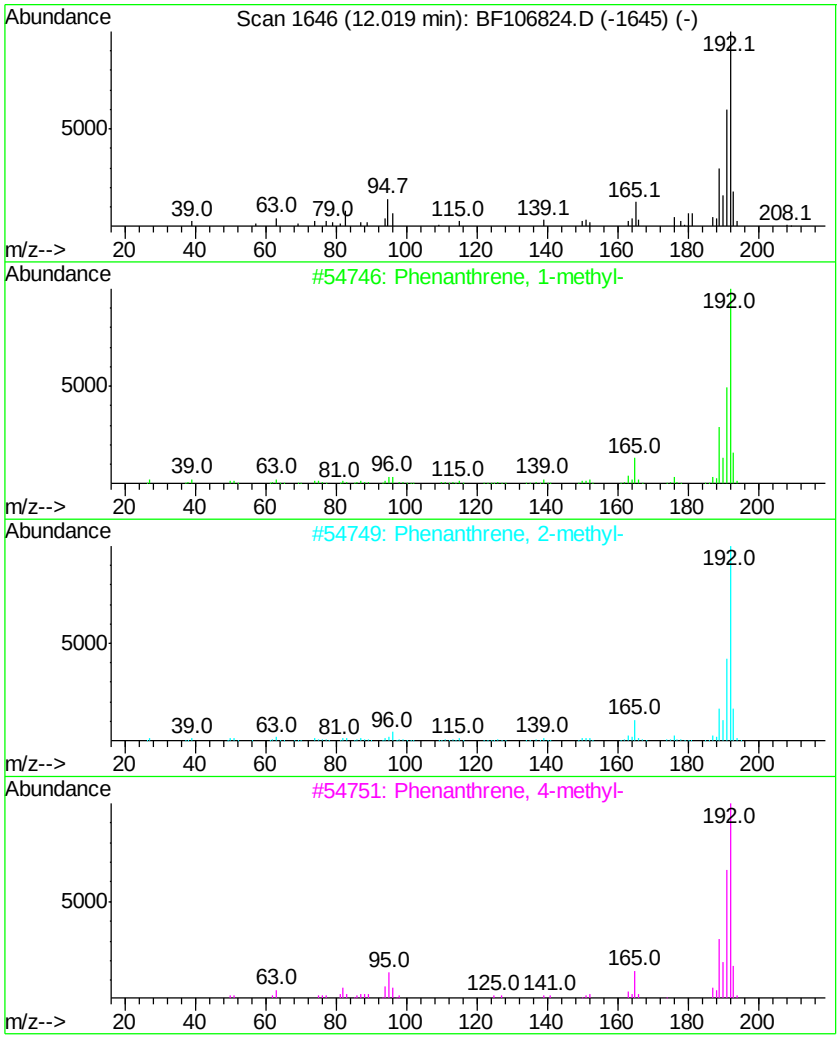
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

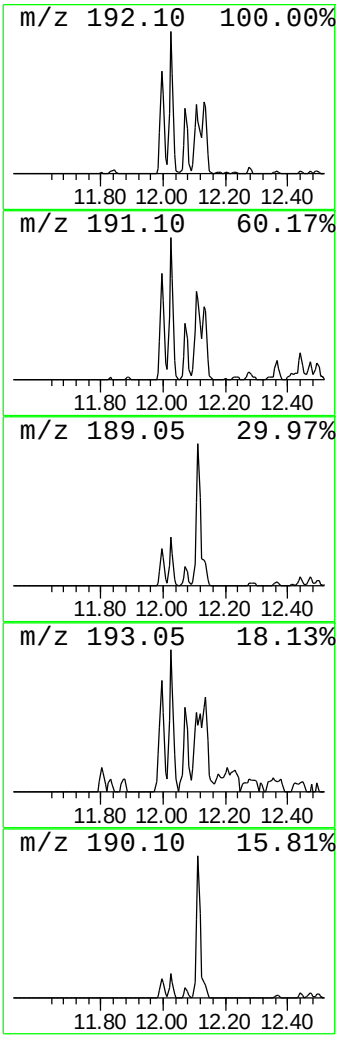
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.64 ng	99794	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

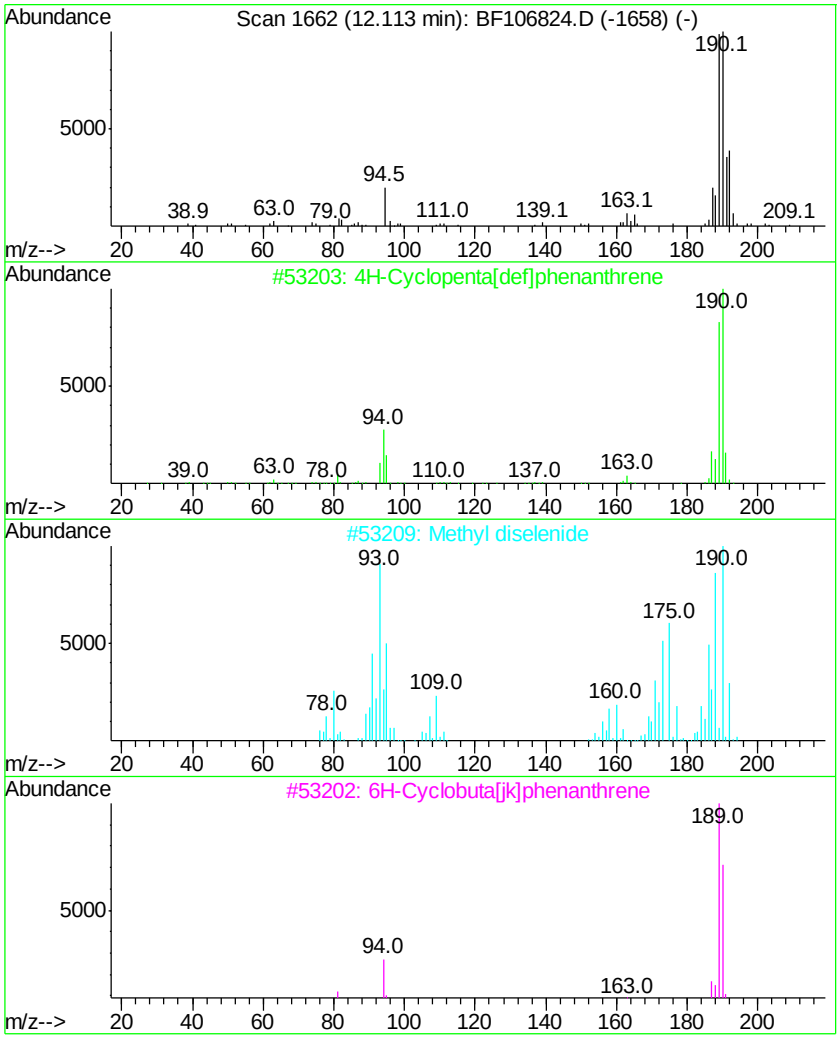
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

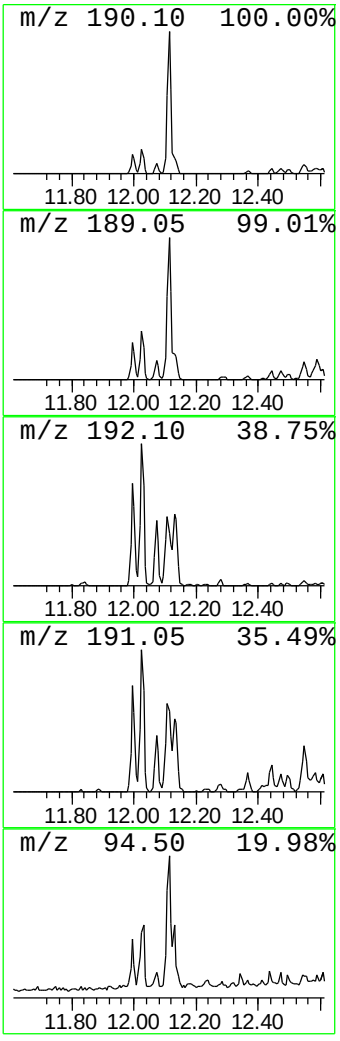
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	9.92 ng	148984	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25





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Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

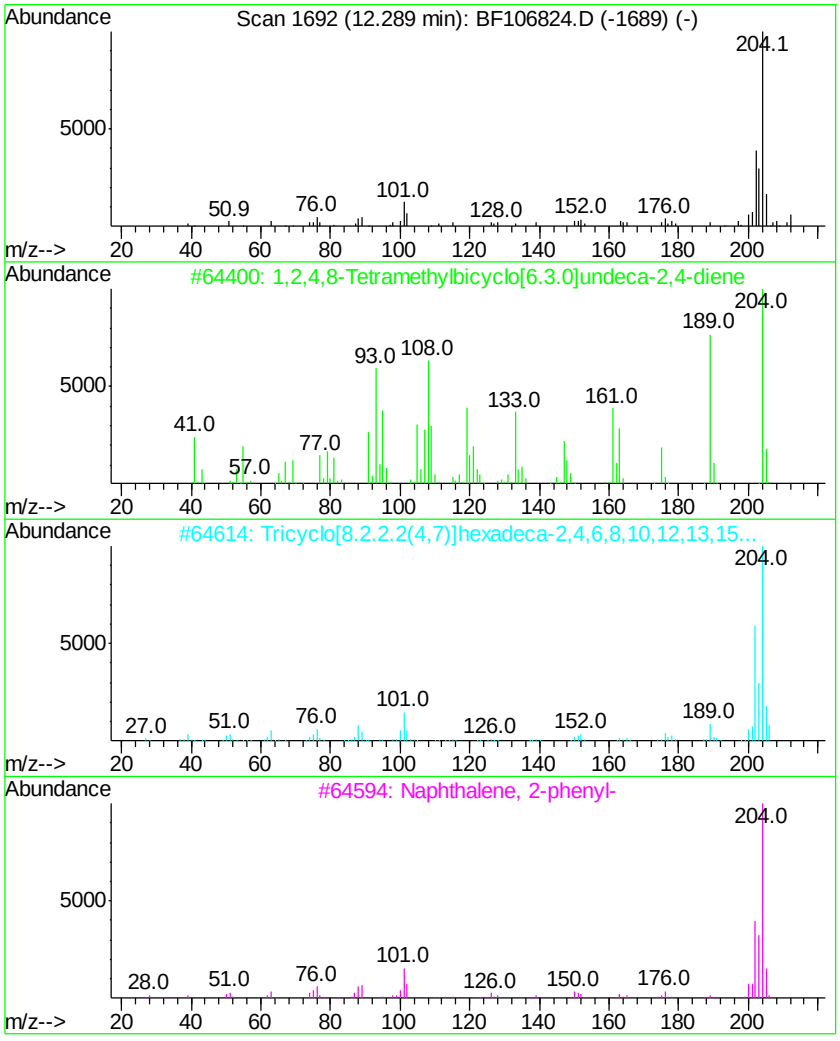
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

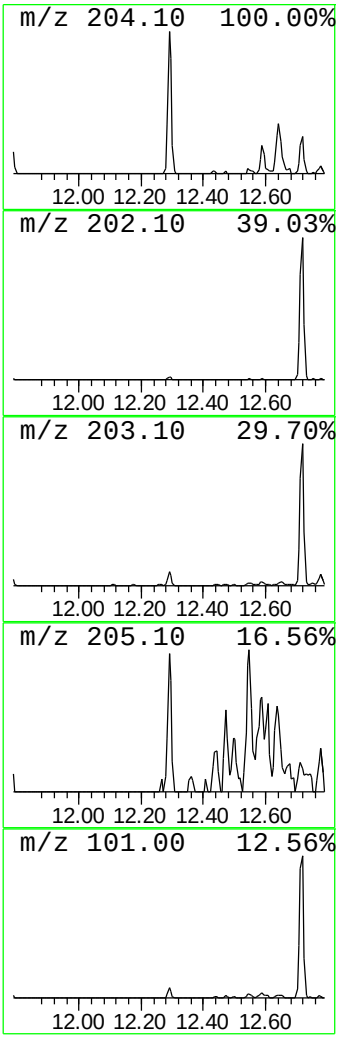
****

Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.56 ng	53558	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Library Search Compound Report

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Data File : BF106824.D
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Sample : J3676-09
Misc :
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Instrument : BNA_F
ClientSampleId : RO-9-13

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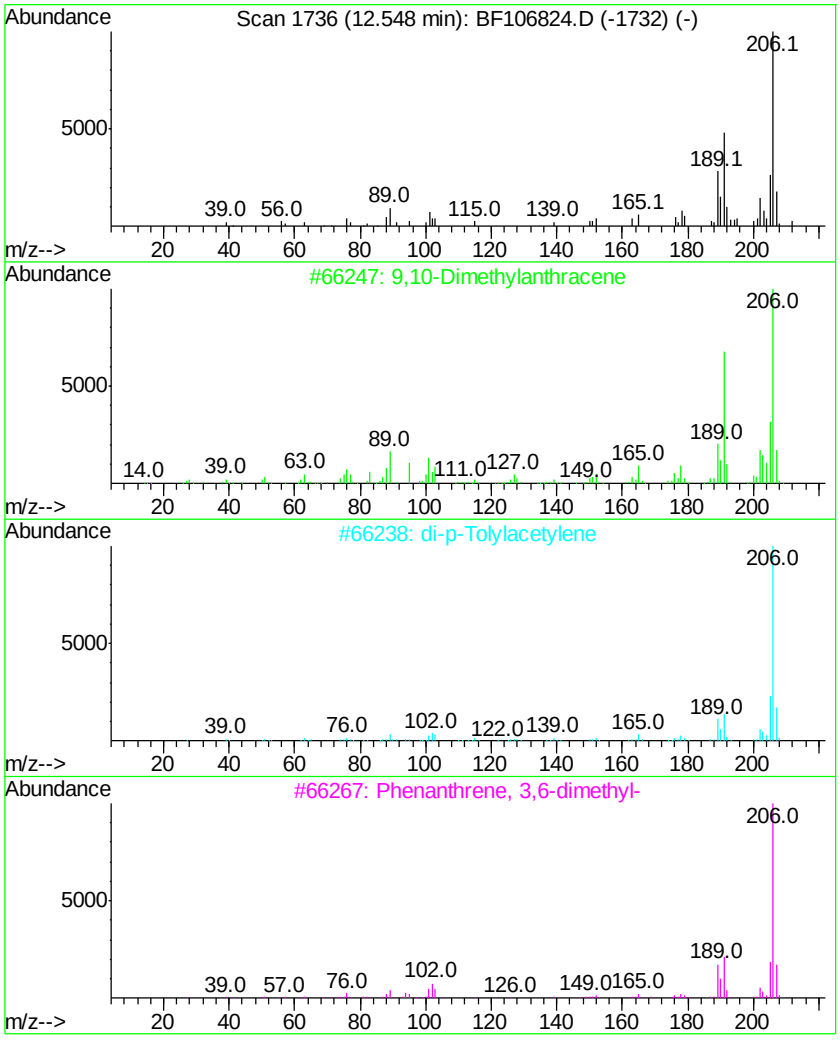
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

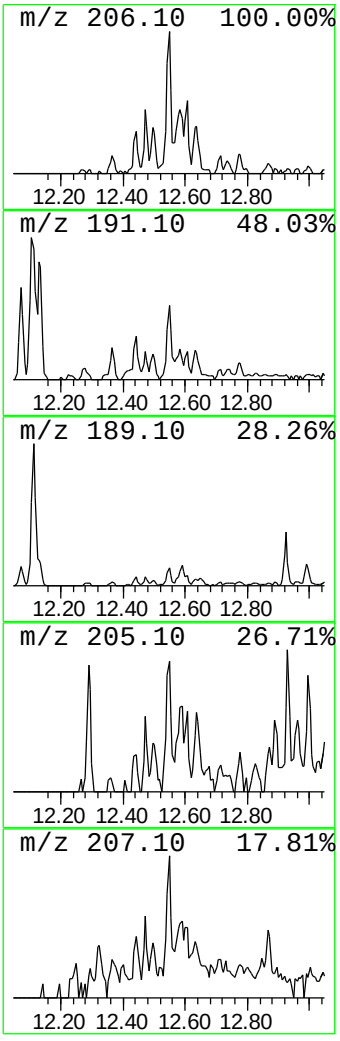
****

Peak Number 10 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.19 ng	62993	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : RO-9-13

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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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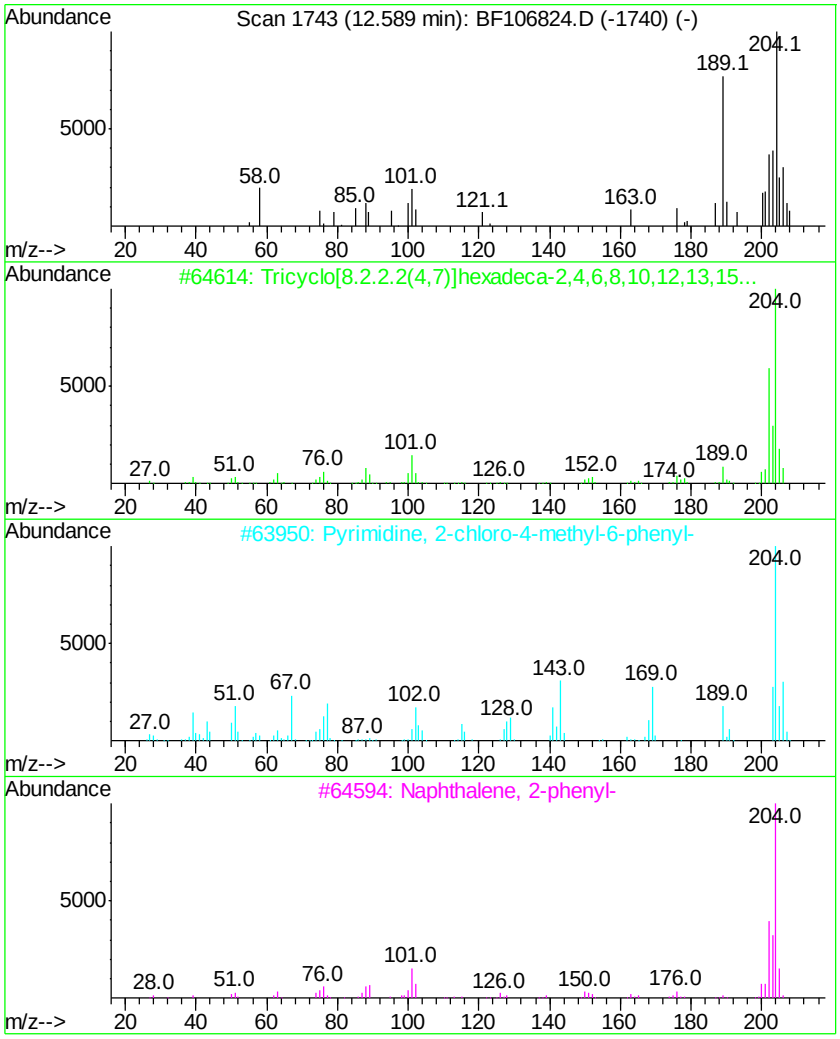
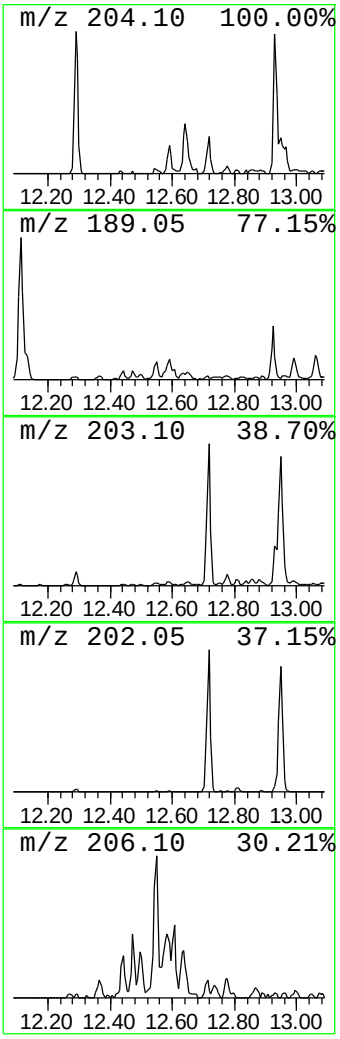
Peak Number 11 unknown12.59 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.64 ng	39632	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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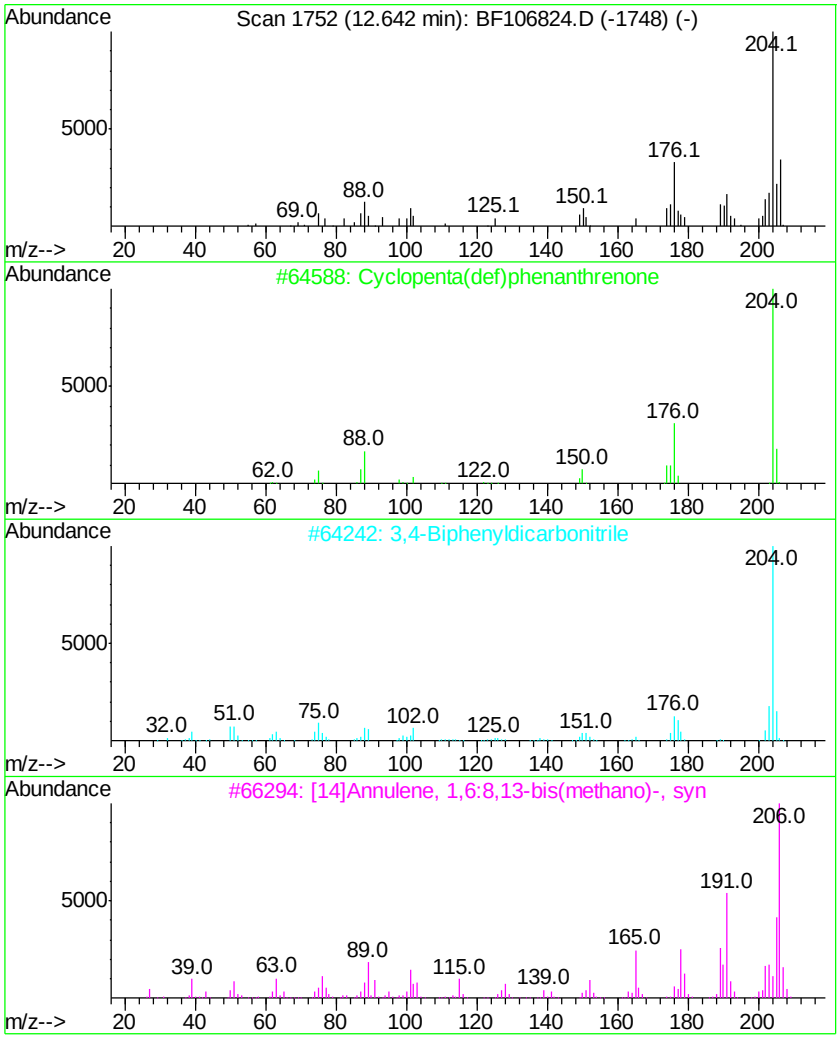
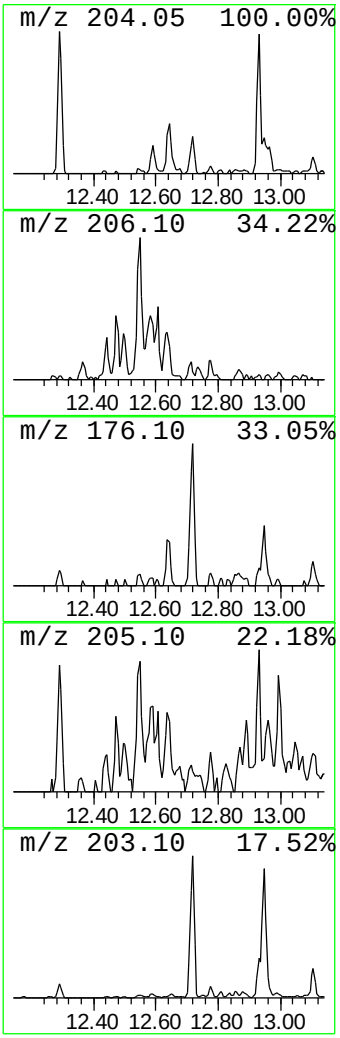
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.70 ng	40528	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	42
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
5	Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	38





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Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

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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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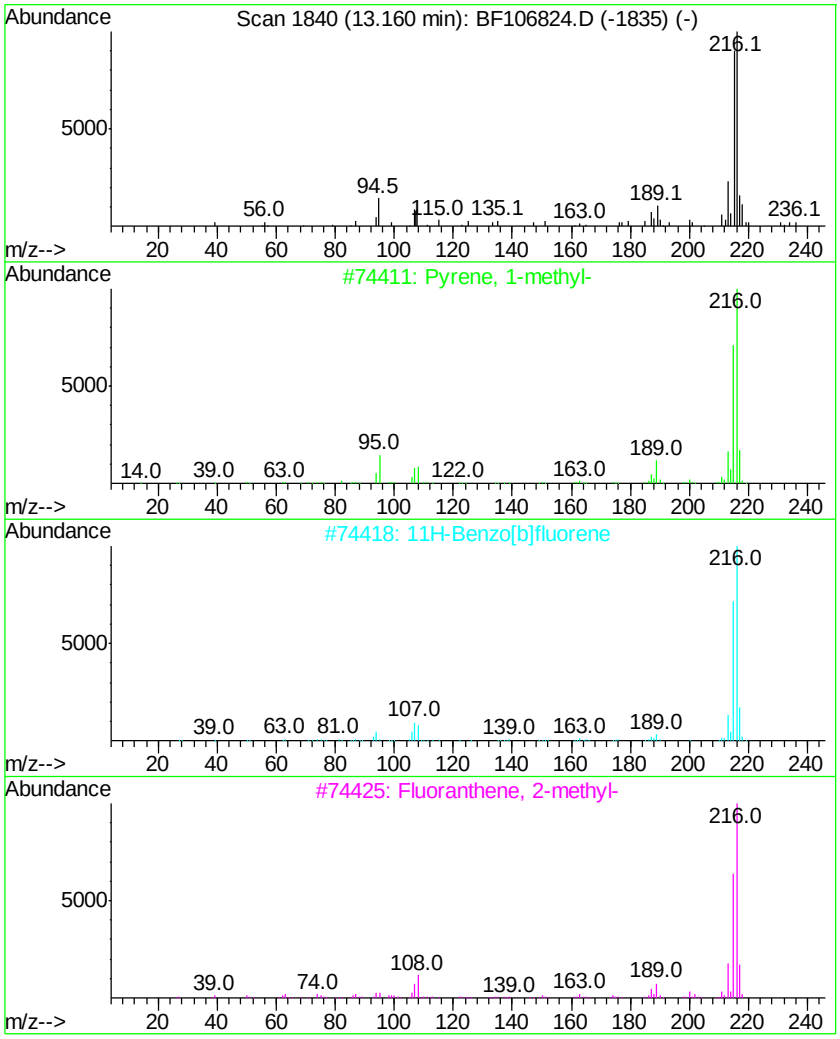
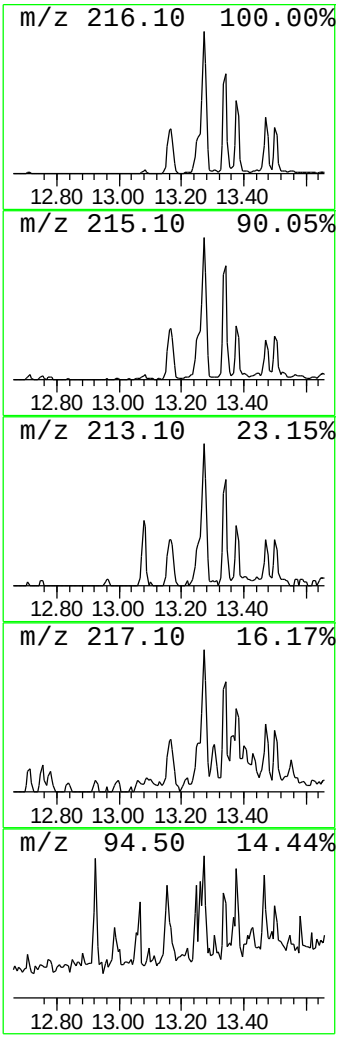
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.48 ng	96236	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





Library Search Compound Report

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Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : RO-9-13

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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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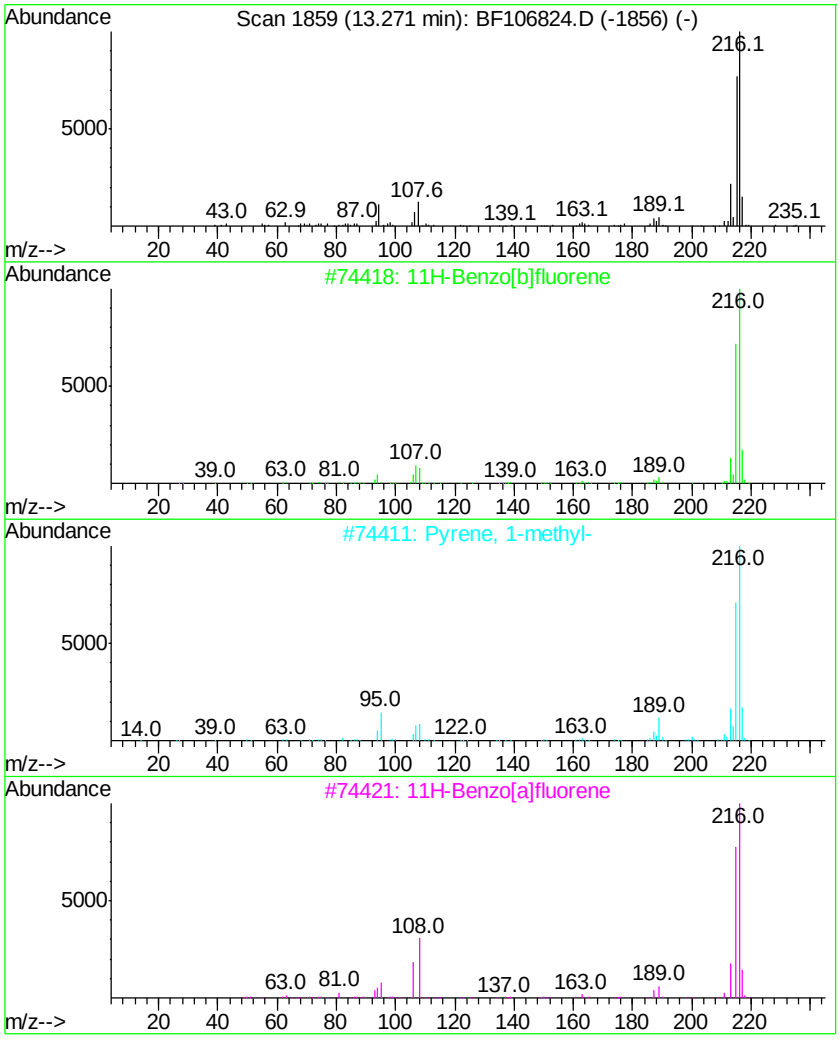
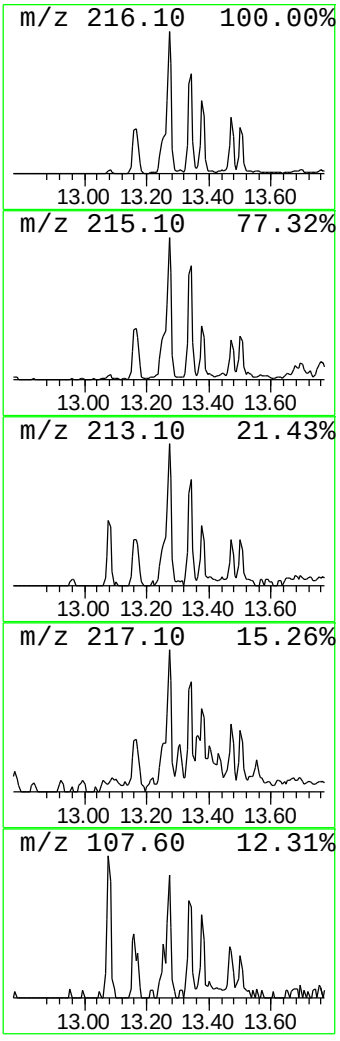
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.44 ng	133789	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
Sample : J3676-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-9-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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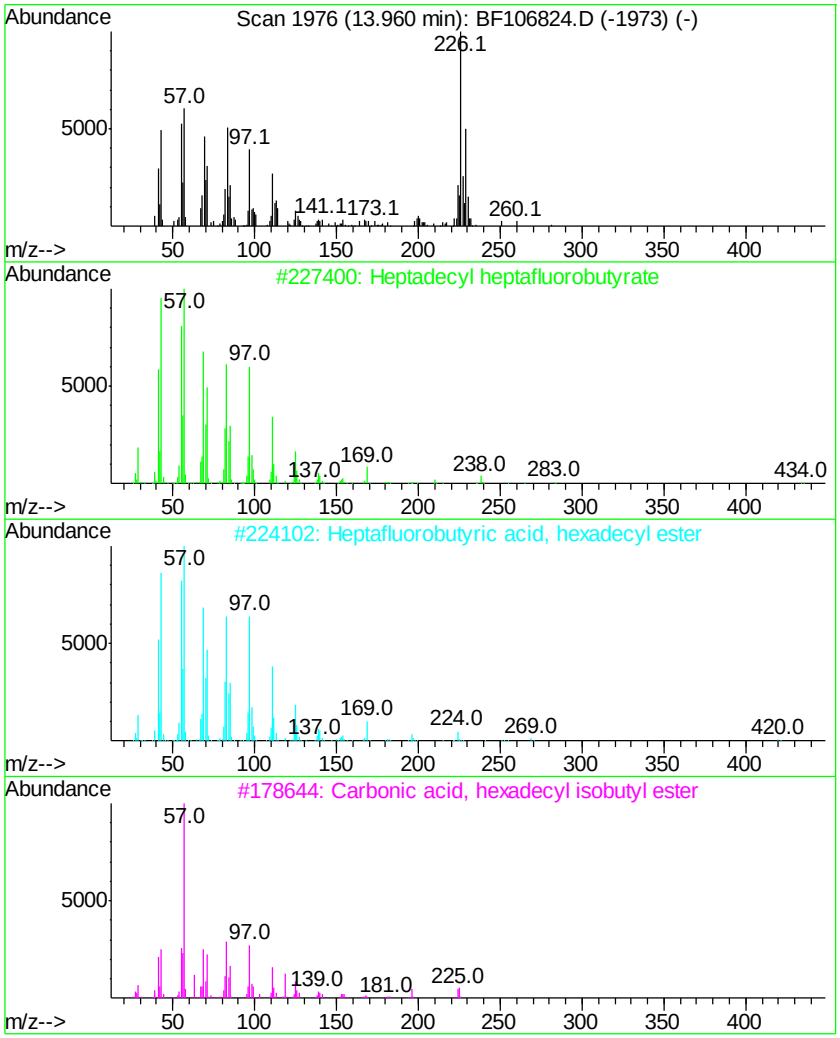
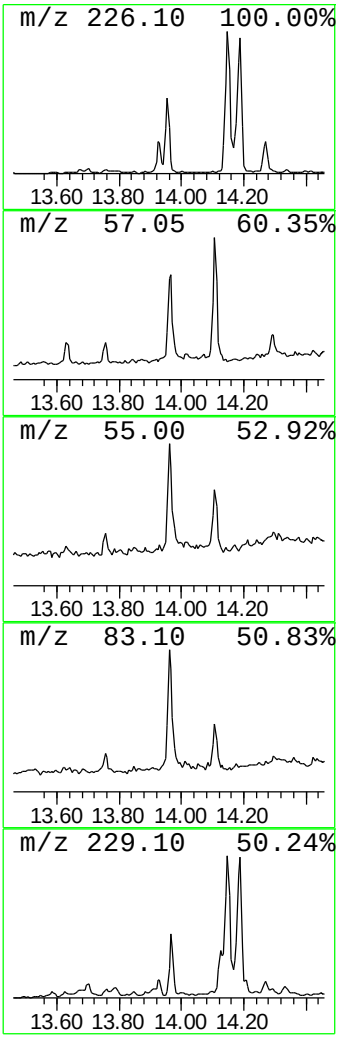
Peak Number 16 unknown13.96 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	3.98 ng	154816	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	42
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	30
3	Carbonic acid, hexadecyl isobutyl...	342	C21H42O3	1000314-61-3	30
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	25
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	20





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Misc :
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Instrument : BNA_F
ClientSampleId : RO-9-13

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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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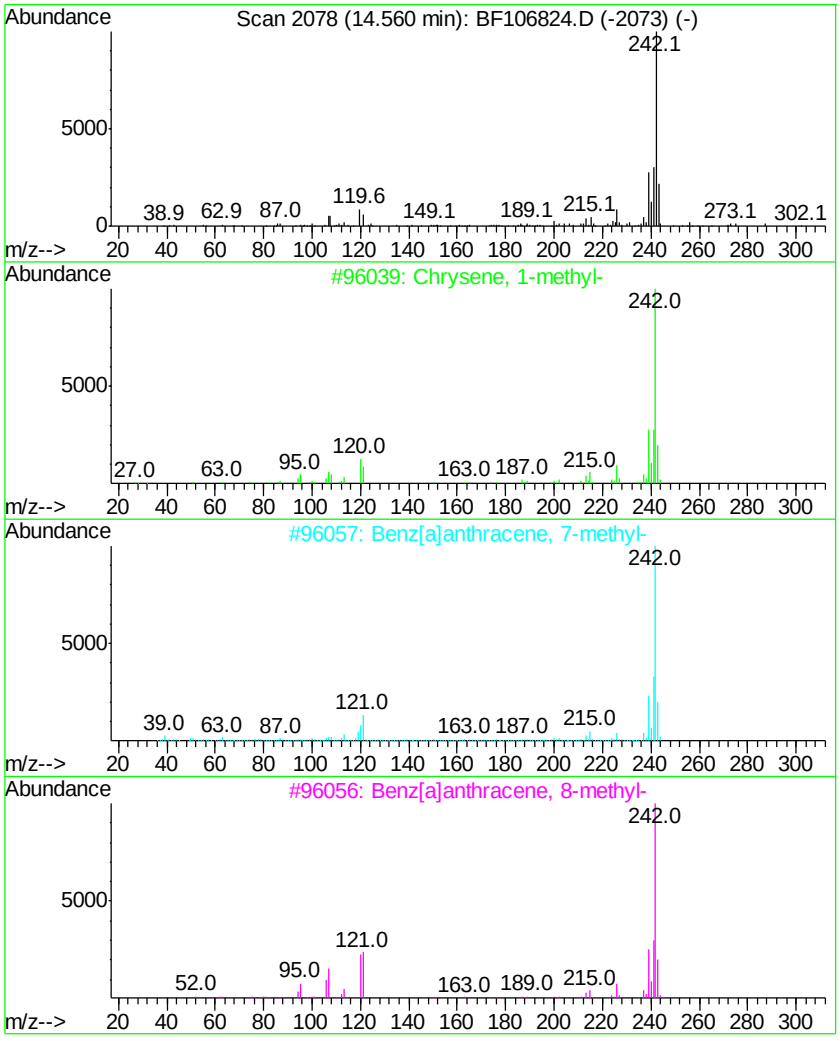
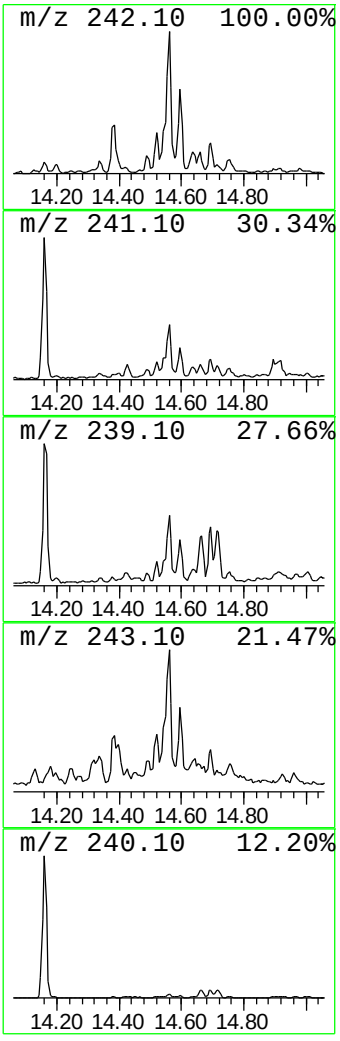
Peak Number 17 Chrysene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.49 ng	96755	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
4	2-Methylchrysene	242	C19H14	003351-32-4	89
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	86





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Misc :
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Instrument : BNA_F
ClientSampleId : RO-9-13

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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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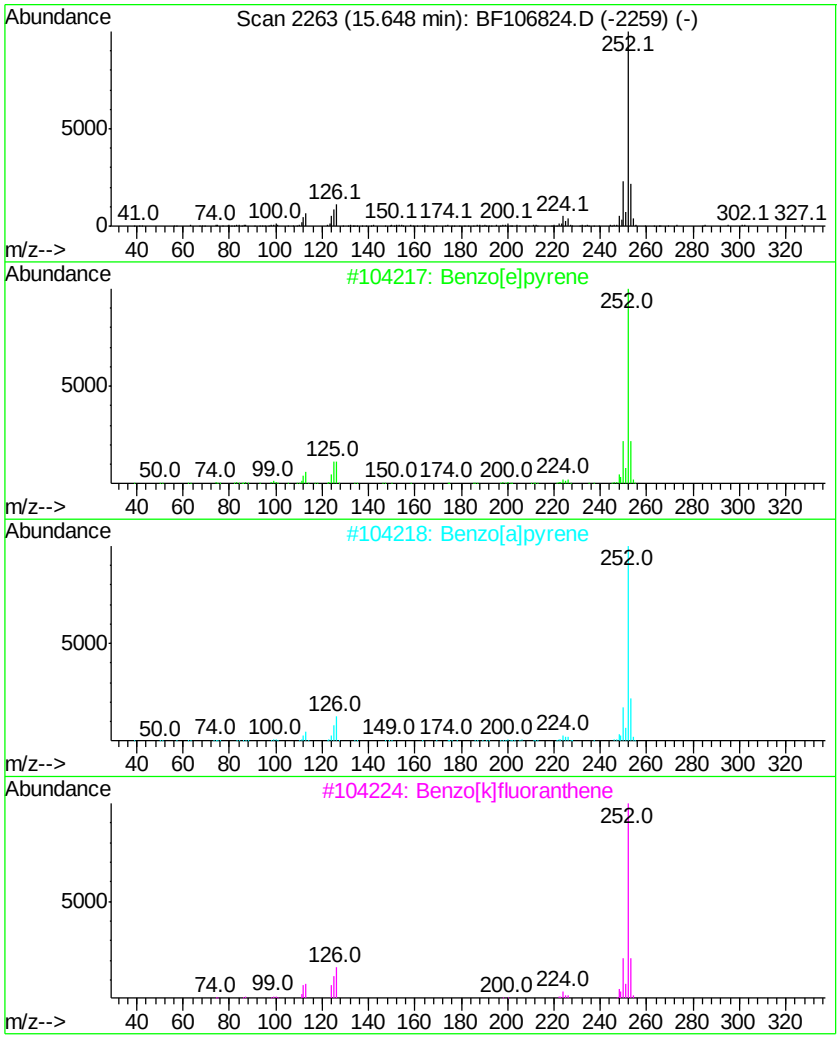
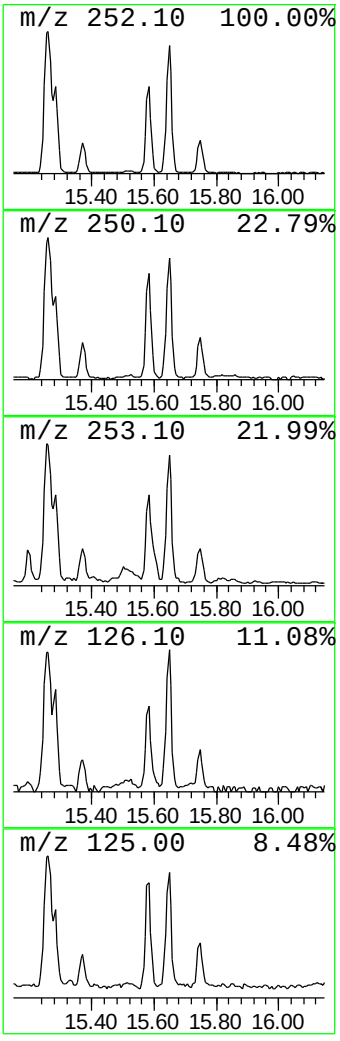
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	20.46 ng	259467	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

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Data File : BF106824.D
Acq On : 26 Jun 2018 15:55
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
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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
2-Pentanone, 4-hy...	5.20	7.8	ng	103542	1	6.96	264503	20.0
unknown6.74	6.74	68.5	ng	906108	1	6.96	264503	20.0
Phenanthrene, 2-m...	12.00	5.3	ng	80062	4	11.49	300500	20.0
Phenanthrene, 1-m...	12.02	6.6	ng	99794	4	11.49	300500	20.0
4H-Cyclopenta[def...	12.11	9.9	ng	148984	4	11.49	300500	20.0
1,2,4,8-Tetrameth...	12.29	3.6	ng	53558	4	11.49	300500	20.0
9,10-Dimethylanth...	12.55	4.2	ng	62993	4	11.49	300500	20.0
unknown12.59	12.59	2.6	ng	39632	4	11.49	300500	20.0
Cyclopenta(def)ph...	12.64	2.7	ng	40528	4	11.49	300500	20.0
Pyrene, 1-methyl-	13.16	2.5	ng	96236	5	14.16	777278	20.0
11H-Benzo[b]fluorene	13.27	3.4	ng	133789	5	14.16	777278	20.0
unknown13.96	13.96	4.0	ng	154816	5	14.16	777278	20.0
Chrysene, 1-methyl-	14.56	2.5	ng	96755	5	14.16	777278	20.0
Benzo[e]pyrene	15.65	20.5	ng	259467	6	15.72	253677	20.0