LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

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-BF080818.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	5.249	490	495	504	rVB	609292	624063	12.54%	0.830%
2	5.637	556	561	564	rBV	3340777	3088942	62.05%	4.110%
3	6.625	724	729	734	rBV	3823951	3377450	67.85%	4.493%
4	6.784	751	756	759	rBV	3716633	3267297	65.63%	4.347%
5	7.019	792	796	799	rVB	1952038	1796101	36.08%	2.390%
6	7.172	818	822	825	rBV	2957359	2371841	47.65%	3.156%
7	7.572	886	890	893	rBV	2396130	2083261	41.85%	2.772%
8	8.301	1010	1014	1016	rBV	2576658	2294003	46.08%	3.052%
9	8.319	1016	1017	1020	rVB	96252	54785	1.10%	0.073%
10	9.013	1131	1135	1137	rVB	69843	54599	1.10%	0.073%
11	9.113	1148	1152	1155	rVB	70347	58572	1.18%	0.078%
12	9.372	1192	1196	1200	rBV	3836045	3178019	63.84%	4.228%
13	9.636	1238	1241	1246	rBV2	64850	92269	1.85%	0.123%
14	9.713	1250	1254	1257	rBV	103692	105033	2.11%	0.140%
15	9.766	1260	1263	1266	rVB	357681	275901	5.54%	0.367%
16	9.836	1271	1275	1276	rBV	51177	51474	1.03%	0.068%
17	9.925	1286	1290	1293	rBV2	85550	87589	1.76%	0.117%
18	10.066	1310	1314	1317	rBV	2764835	2431136	48.84%	3.234%
19	10.095	1317	1319	1322	rVB	443163	336558	6.76%	0.448%
20	10.219	1335	1340	1344	rBV3	45516	69717	1.40%	0.093%
21	10.266	1344	1348	1351	rVB2	254313	234111	4.70%	0.311%
22	10.301	1351	1354	1358	rVB	85376	73338	1.47%	0.098%
23	10.378	1363	1367	1369	rBV	83250	84611	1.70%	0.113%
24	10.472	1378	1383	1388	rVB4	93778	142670	2.87%	0.190%
25	10.613	1403	1407	1412	rVB	506493	435975	8.76%	0.580%
26	10.701	1420	1422	1424	rVB	104398	79939	1.61%	0.106%
27	10.772	1431	1434	1437	rVB	125103	131628	2.64%	0.175%
28	10.854	1444	1448	1452	rBV	2205789	1916595	38.50%	2.550%
29	10.966	1462	1467	1474	rVB4	103870	206979	4.16%	0.275%
30	11.160	1494	1500	1503	rBV3	142031	196275	3.94%	0.261%
31	11.189	1503	1505	1508	rVV2	92192	94465	1.90%	0.126%
32	11.248	1512	1515	1517	rVB	84305	82742	1.66%	0.110%
33	11.289	1517	1522	1524	rBV3	98305	136832	2.75%	0.182%
34	11.313	1524	1526	1531	rVV3	102952	119871	2.41%	0.159%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.360	1531	1534	1537	rVV4	64865	67464	1.36%	0.090%
36	11.401	1538	1541	1545	rVV3	136567	165774	3.33%	0.221%
37	11.454	1548	1550	1554	rVB	194137	182066	3.66%	0.242%
38	11.560	1564	1568	1570	rBV	2374443	2147463	43.14%	2.857%
39	11.583	1570	1572	1576	rVV	2779834	2491955	50.06%	3.315%
40	11.636	1576	1581	1584	rVV	1019874	841709	16.91%	1.120%
41	11.666	1584	1586	1589	rVV	100797	117198	2.35%	0.156%
42	11.713	1592	1594	1600	rVV6	41984	68177	1.37%	0.091%
43	11.789	1604	1607	1612	rVV2	155752	217971	4.38%	0.290%
44	11.854	1616	1618	1620	rVV	119346	95949	1.93%	0.128%
45	11.895	1622	1625	1629	rVV2	95069	139431	2.80%	0.186%
46	11.930	1629	1631	1636	rVV4	54882	68037	1.37%	0.091%
47	11.972	1636	1638	1643	rVB2	43709	59505	1.20%	0.079%
48	12.066	1650	1654	1656	rBV	450383	436951	8.78%	0.581%
49	12.089	1656	1658	1663	rVB	563961	494002	9.92%	0.657%
50	12.136	1663	1666	1669	rBV	249039	241614	4.85%	0.321%
51	12.177	1669	1673	1676	rVV2	812284	933230	18.75%	1.242%
52	12.201	1676	1677	1680	rVB	288086	141174	2.84%	0.188%
53	12.242	1681	1684	1686	rBV2	72638	57891	1.16%	0.077%
54	12.360	1700	1704	1706	rBV	329703	276951	5.56%	0.368%
55	12.383	1706	1708	1711	rVB2	102888	88949	1.79%	0.118%
56	12.507	1724	1729	1732	rBV2	123473	127242	2.56%	0.169%
57	12.542	1732	1735	1736	rVV	92087	81576	1.64%	0.109%
58	12.566	1736	1739	1741	rVB	100062	88259	1.77%	0.117%
59	12.613	1744	1747	1751	rVV	273071	413725	8.31%	0.550%
60	12.654	1751	1754	1756	rVV3	206010	279060	5.61%	0.371%
61	12.701	1759	1762	1772	rVB3	182212	277341	5.57%	0.369%
62	12.783	1772	1776	1780	rBV	4671643	4364303	87.67%	5.806%
63	12.819	1780	1782	1784	rVV2	74305	65958	1.32%	0.088%
64	12.842	1784	1786	1789	rVB	117624	92047	1.85%	0.122%
65	12.901	1794	1796	1798	rBV3	47490	53707	1.08%	0.071%
66	12.936	1799	1802	1804	rVV	194763	175563	3.53%	0.234%
67	13.019	1808	1816	1820	rBV	4511155	4978114	100.00%	6.623%
68	13.060	1820	1823	1827	rVB2	225154	243330	4.89%	0.324%
69	13.148	1831	1838	1841	rBV	2824484	2626860	52.77%	3.495%
70	13.172	1841	1842	1845	rVB	181733	103710	2.08%	0.138%
71	13.224	1847	1851	1856	rBV2	291989	509387	10.23%	0.678%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.313	1863	1866	1868	rBV3	187697	249982	5.02%	0.333%
73	13.342	1868	1871	1874	rVB	641986	604762	12.15%	0.805%
74	13.407	1879	1882	1885	rBV	602248	517431	10.39%	0.688%
75	13.448	1885	1889	1891	rVV2	418077	456471	9.17%	0.607%
76	13.472	1891	1893	1896	rVB	138287	106003	2.13%	0.141%
77	13.501	1896	1898	1902	rVB2	81103	69557	1.40%	0.093%
78	13.542	1902	1905	1907	rBV	228251	203891	4.10%	0.271%
79	13.572	1907	1910	1913	rBV2	248633	232320	4.67%	0.309%
80	13.824	1950	1953	1954	rBV2	111122	111178	2.23%	0.148%
81	13.848	1955	1957	1962	rVB	215128	249540	5.01%	0.332%
82	13.966	1974	1977	1979	rBV	252778	225221	4.52%	0.300%
83	13.995	1979	1982	1984	rVB	301864	205892	4.14%	0.274%
84	14.019	1984	1986	1991	rBV2	292549	475591	9.55%	0.633%
85	14.213	2012	2019	2023	rBV3	2999030	4767132	95.76%	6.342%
86	14.248	2023	2025	2030	rVB	1819768	1606512	32.27%	2.137%
87	14.324	2036	2038	2041	rBV	522060	437084	8.78%	0.582%
88	14.436	2054	2057	2061	rBV2	224493	344879	6.93%	0.459%
89	14.607	2083	2086	2089	rVB	342820	342510	6.88%	0.456%
90	14.642	2089	2092	2094	rBV	178676	166937	3.35%	0.222%
91	14.736	2106	2108	2110	rBV	183944	160824	3.23%	0.214%
92	14.760	2110	2112	2117	rVB2	271221	257058	5.16%	0.342%
93	15.318	2202	2207	2210	rBV	1474627	2581483	51.86%	3.434%
94	15.430	2224	2226	2230	rVB	288066	293515	5.90%	0.391%
95	15.654	2259	2264	2270	rVB	865085	1269207	25.50%	1.689%
96	15.718	2270	2275	2281	rBV	1343340	1857722	37.32%	2.472%
97	15.789	2282	2287	2290	rVV	1280063	1775418	35.66%	2.362%
98	15.824	2290	2293	2299	rVB	394220	527346	10.59%	0.702%
99	17.412	2558	2563	2571	rVB2	463885	943530	18.95%	1.255%
100	17.907	2642	2647	2657	rVB	312265	676248	13.58%	0.900%

Sum of corrected areas: 75163528

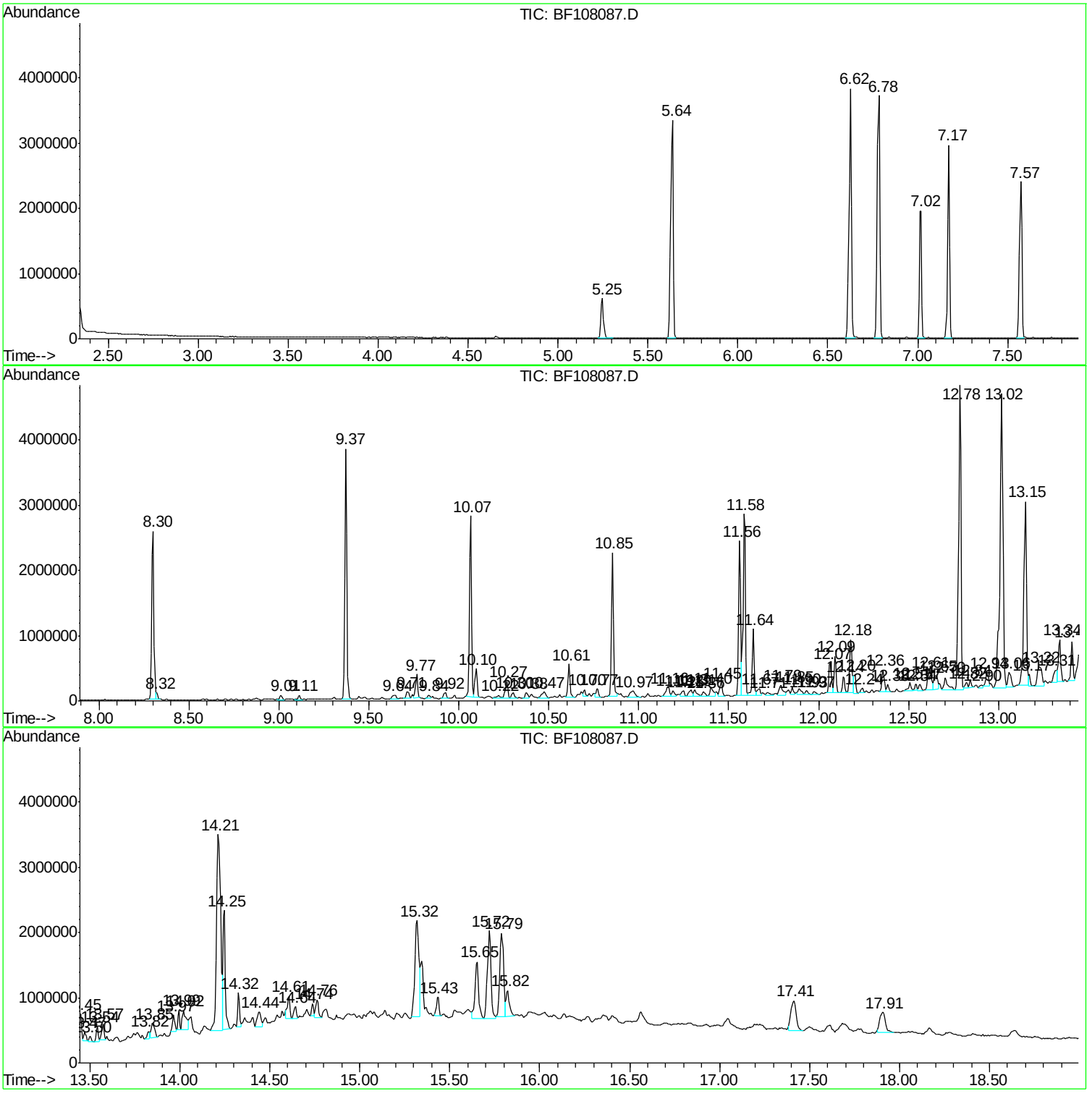
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

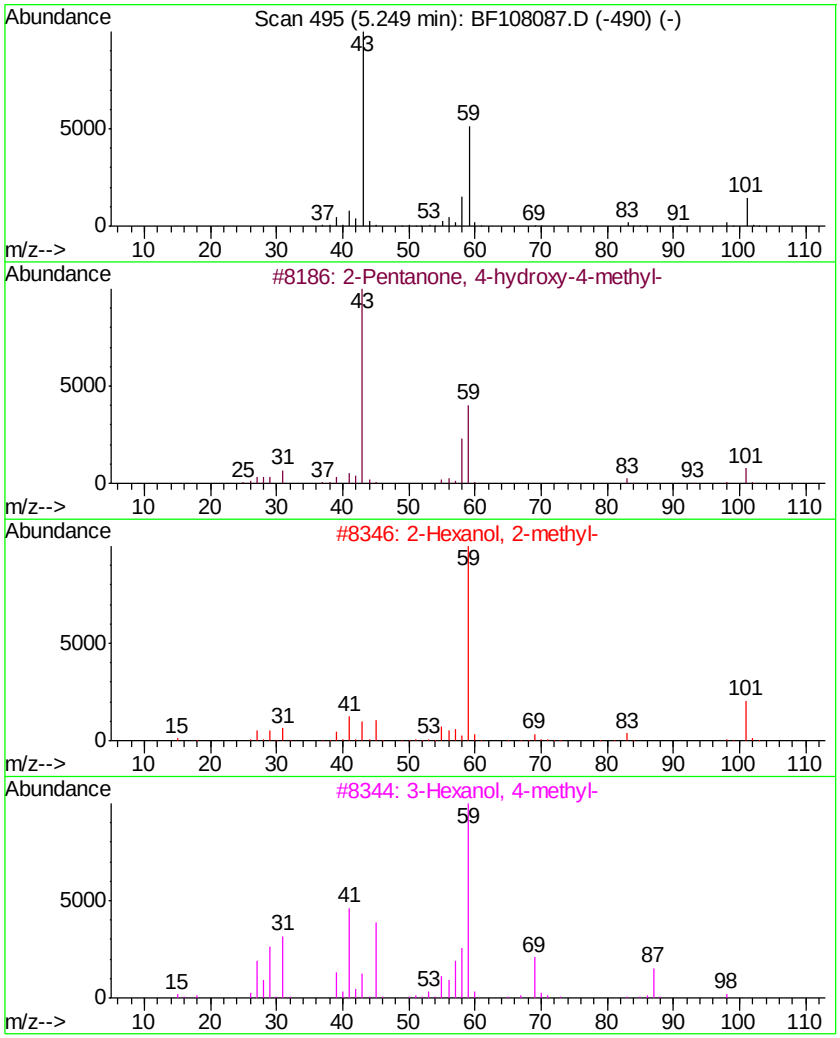
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

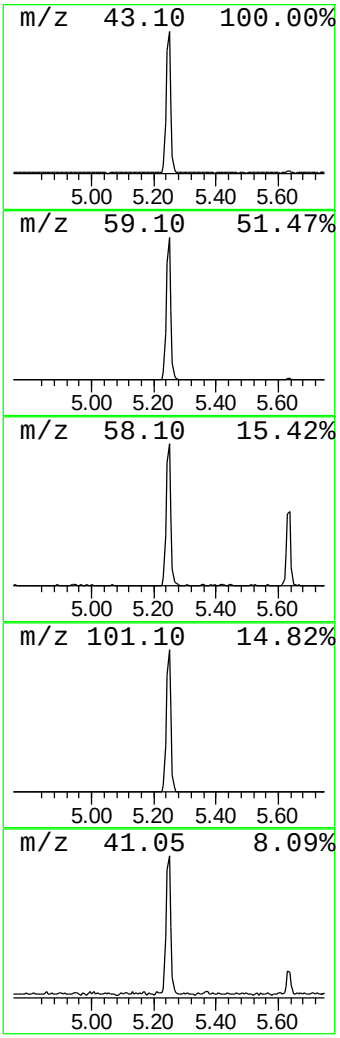
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	6.95 ng	624063	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

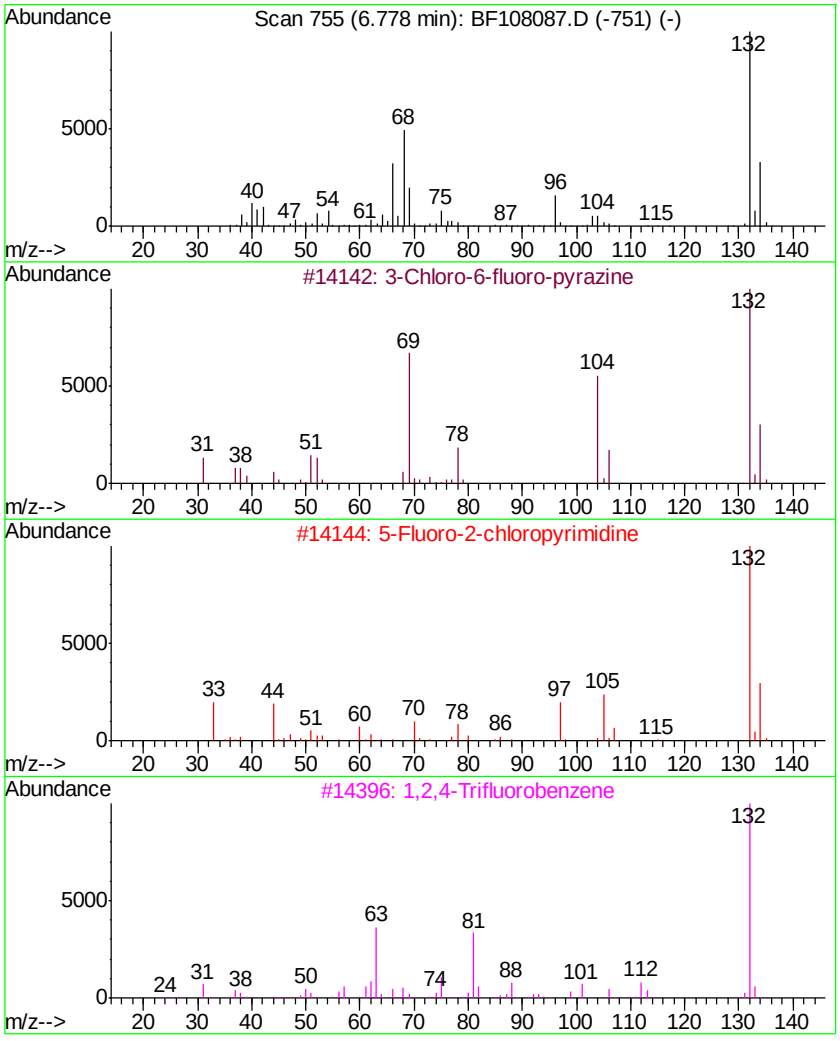
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

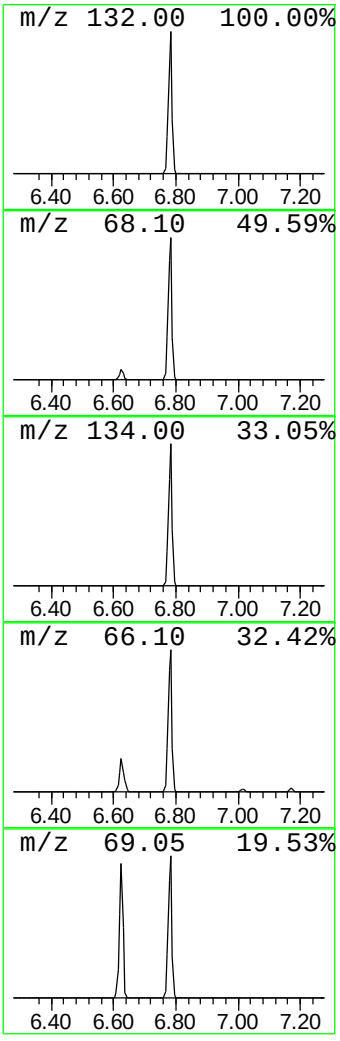
****

Peak Number 2 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	36.38 ng	3267300	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

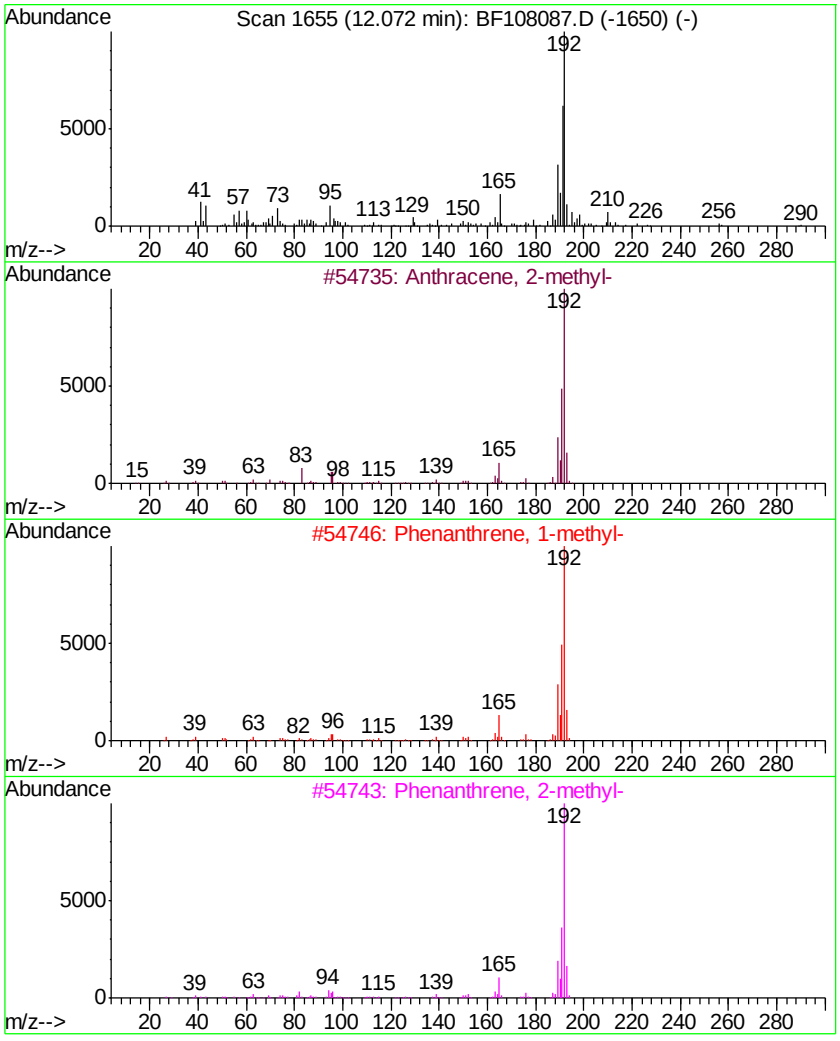
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

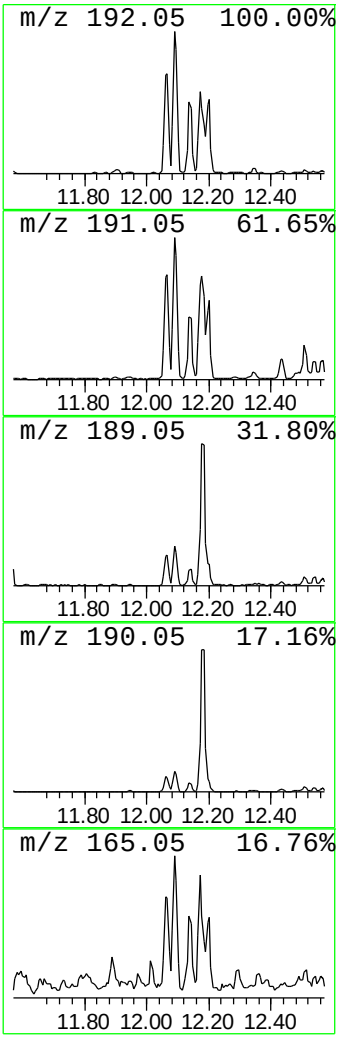
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.07 ng	436951	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

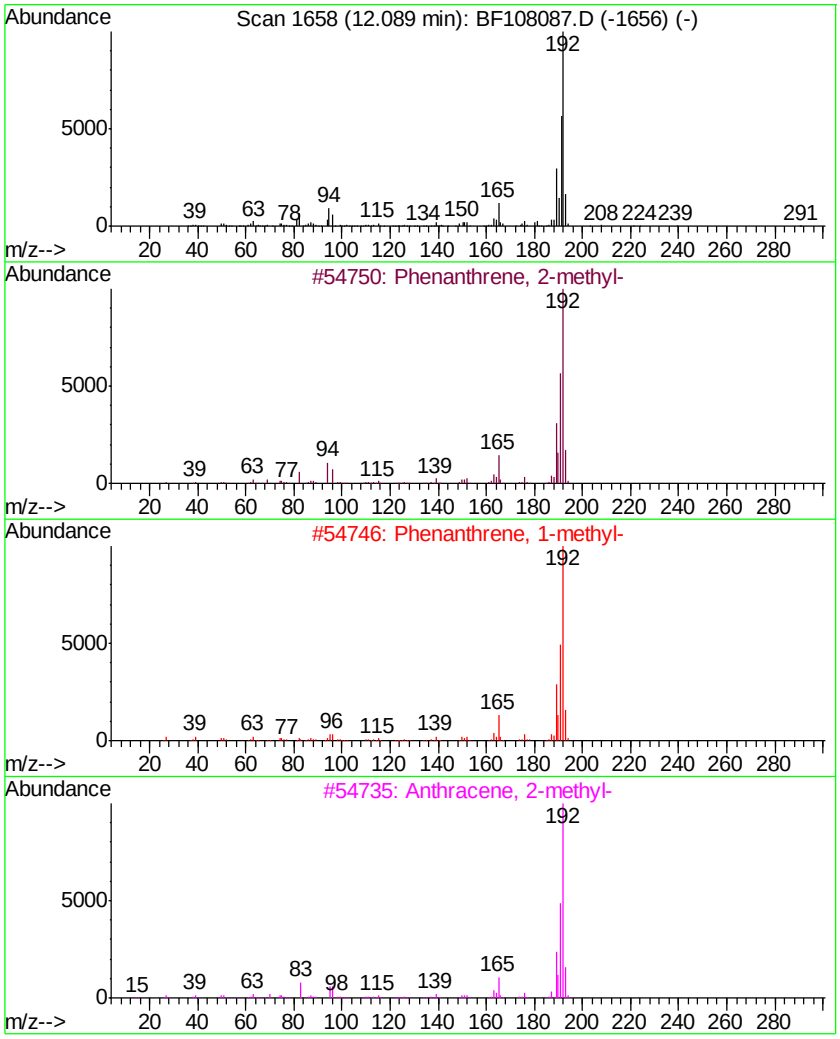
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

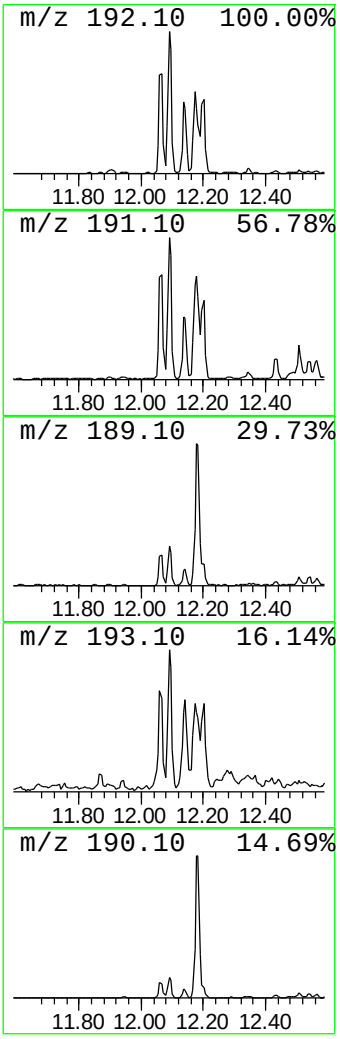
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.60 ng	494002	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

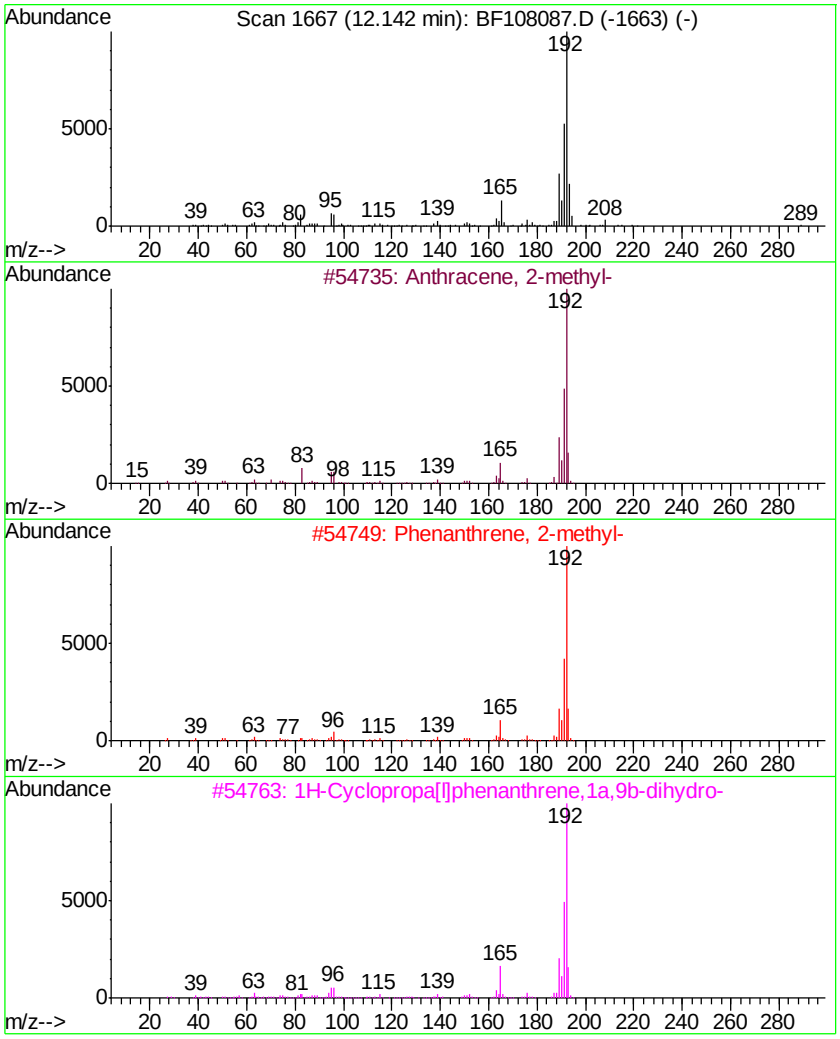
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

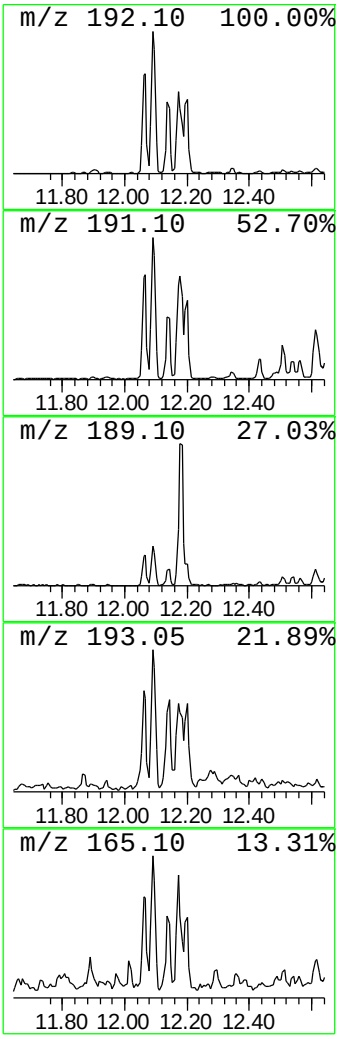
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.25 ng	241614	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

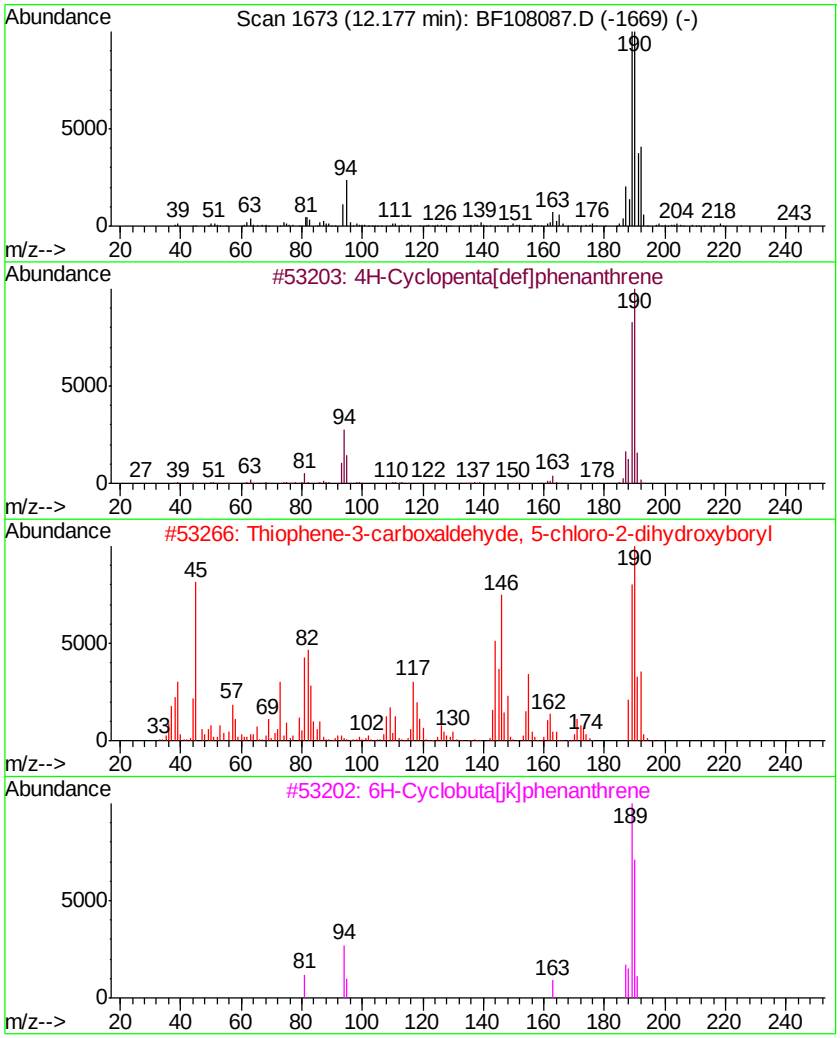
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

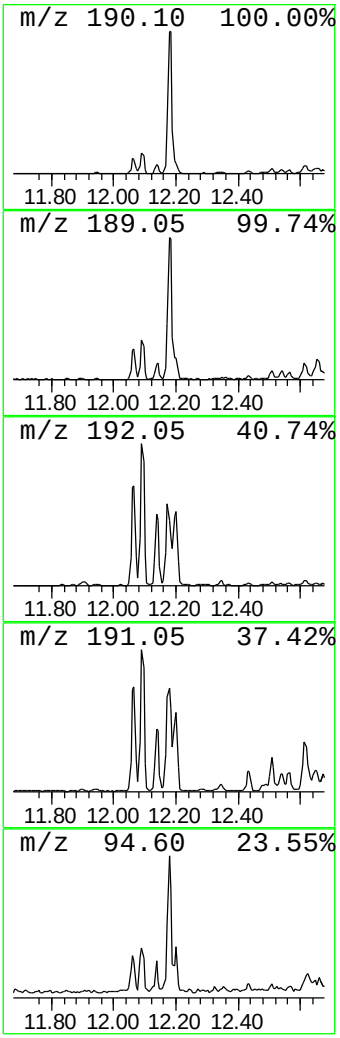
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.69 ng	933230	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
5	1-Aminocyclopentanecarboxylic ac...	361	C18H32ClNO4	1000329-17-0	17





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Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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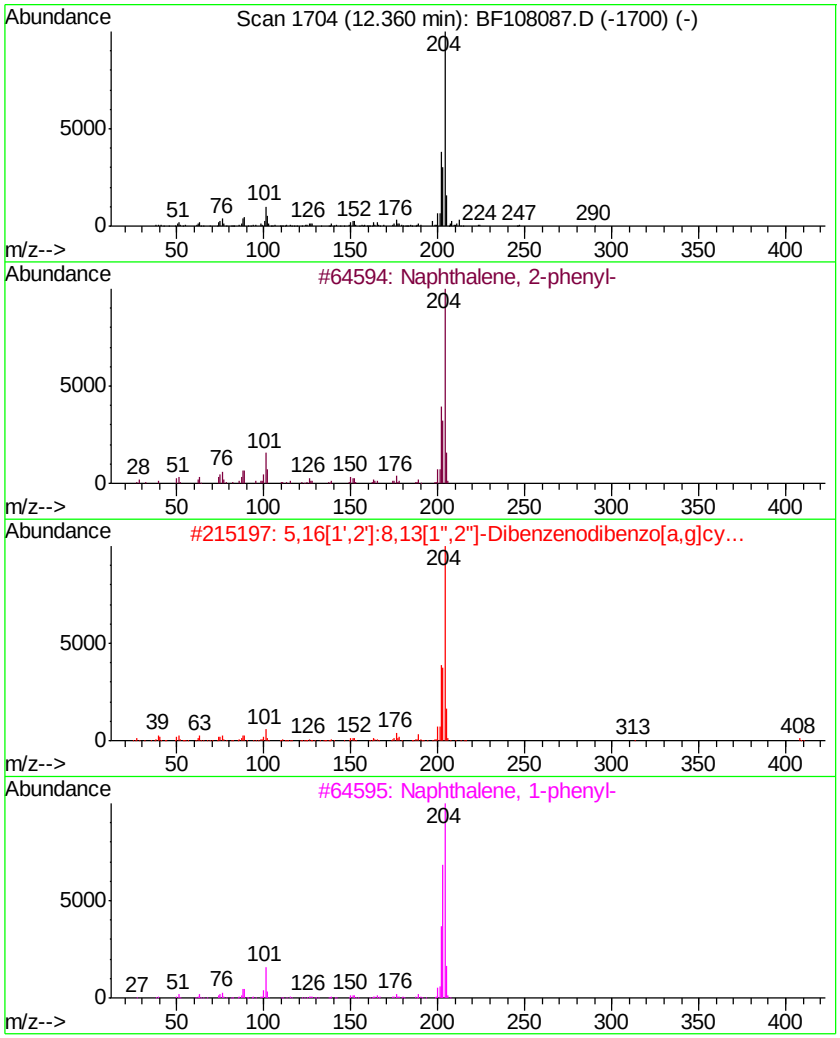
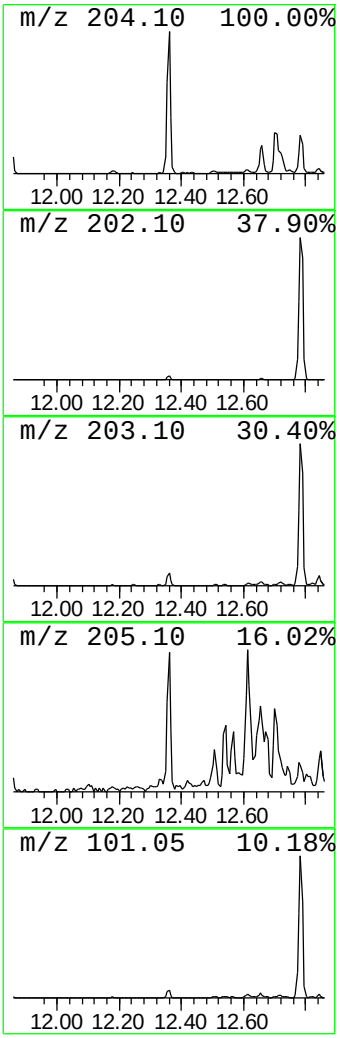
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.58 ng	276951	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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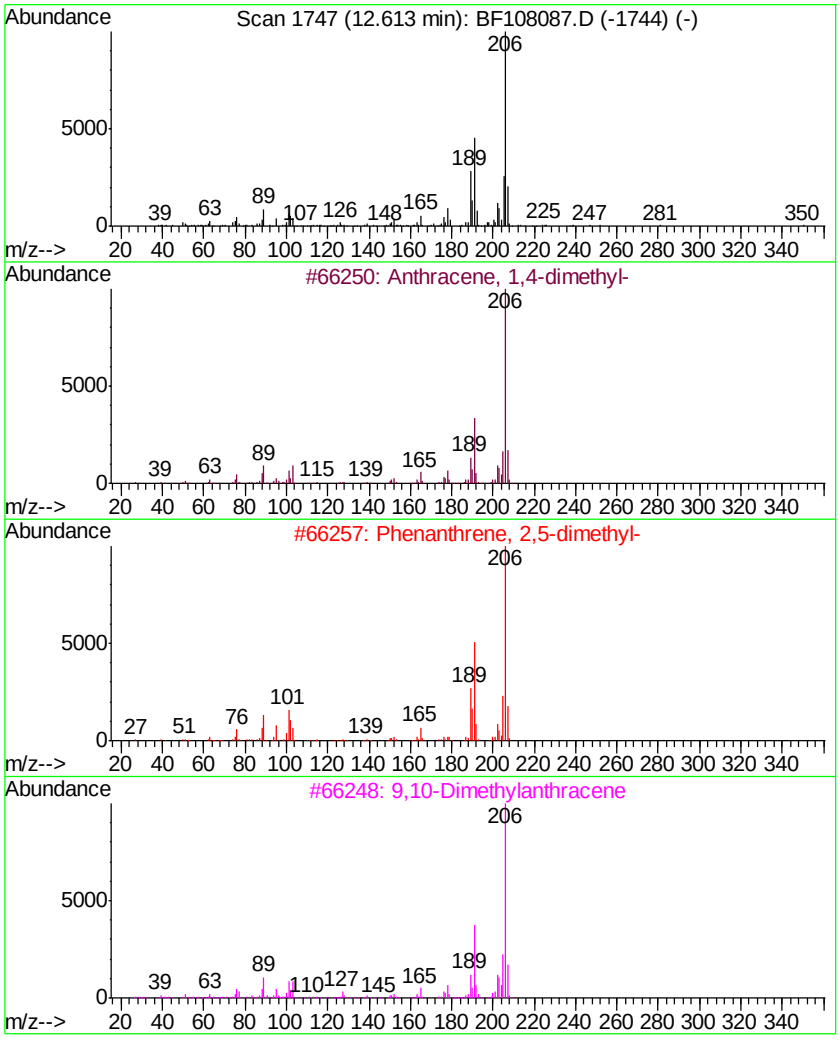
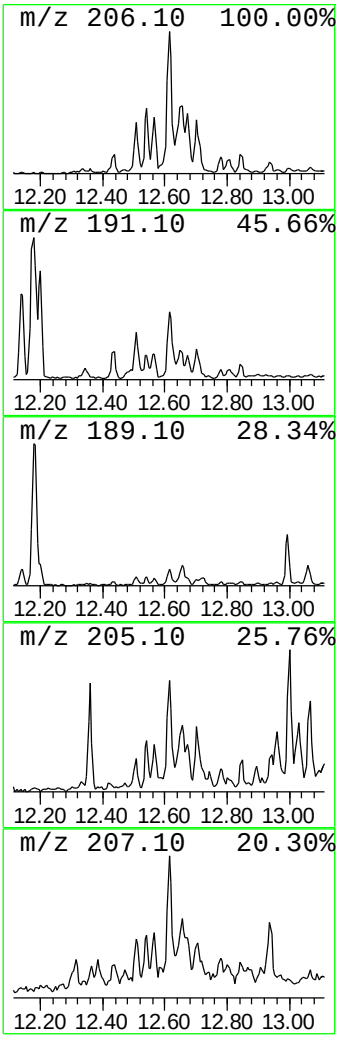
Peak Number 10 Anthracene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	3.85 ng	413725	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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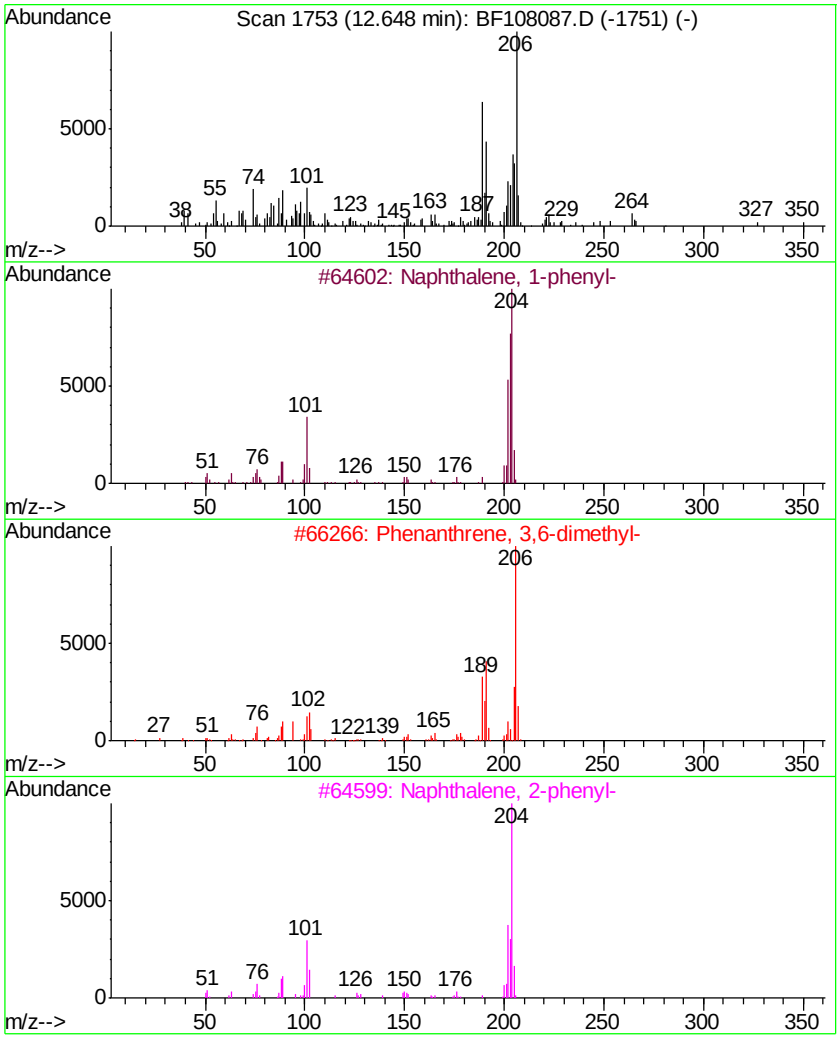
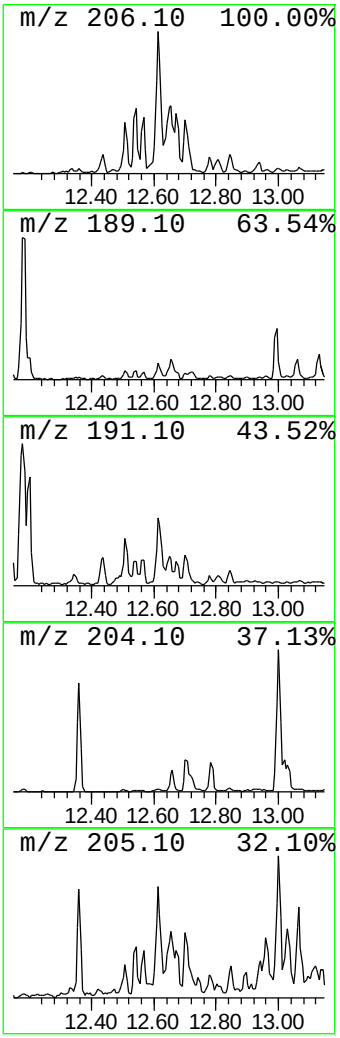
Peak Number 11 unknown12.65 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.60 ng	279060	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	41
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27





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Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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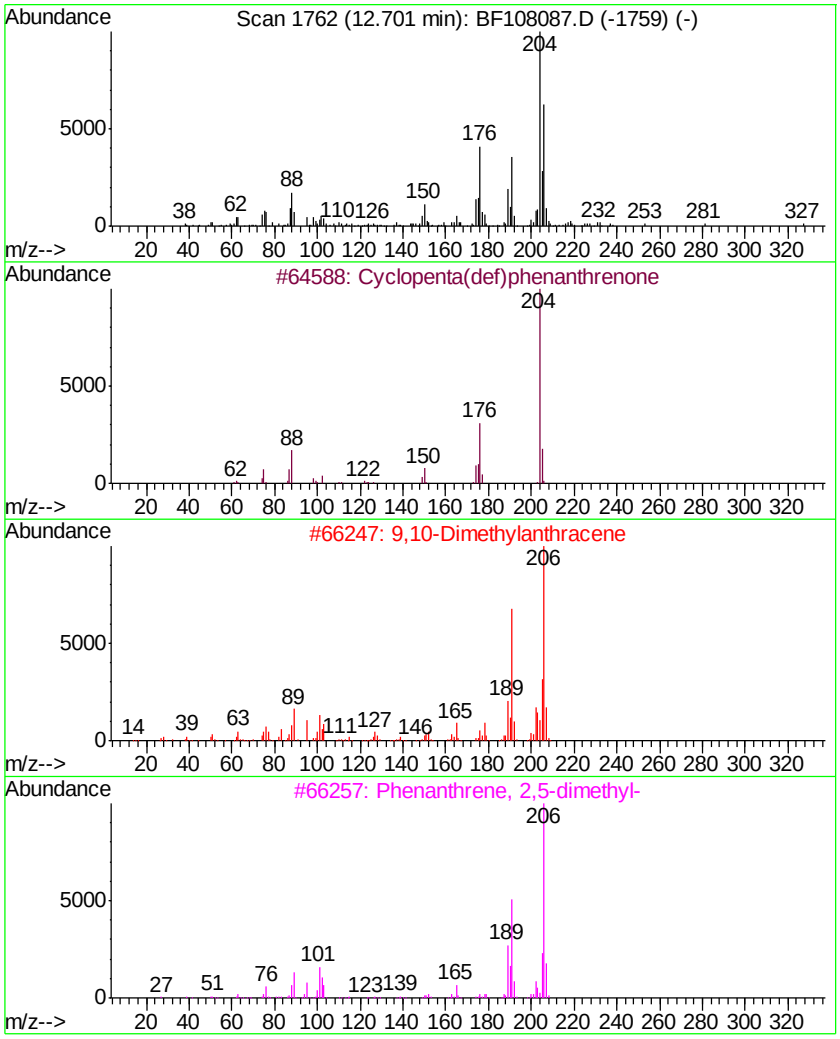
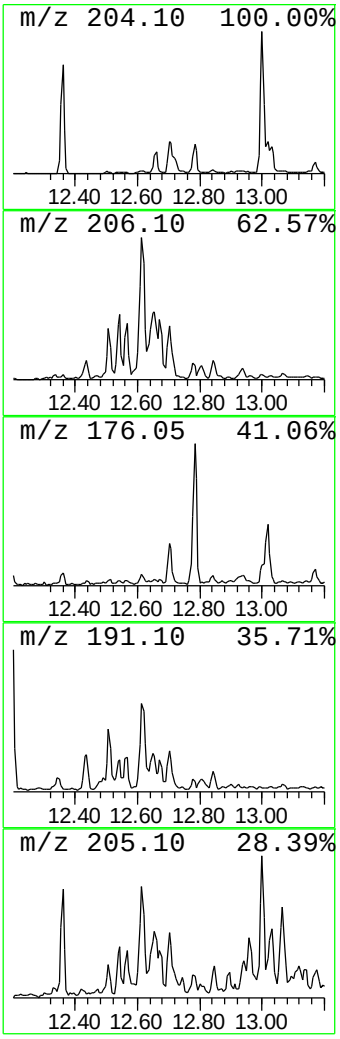
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.58 ng	277341	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	52
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38





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Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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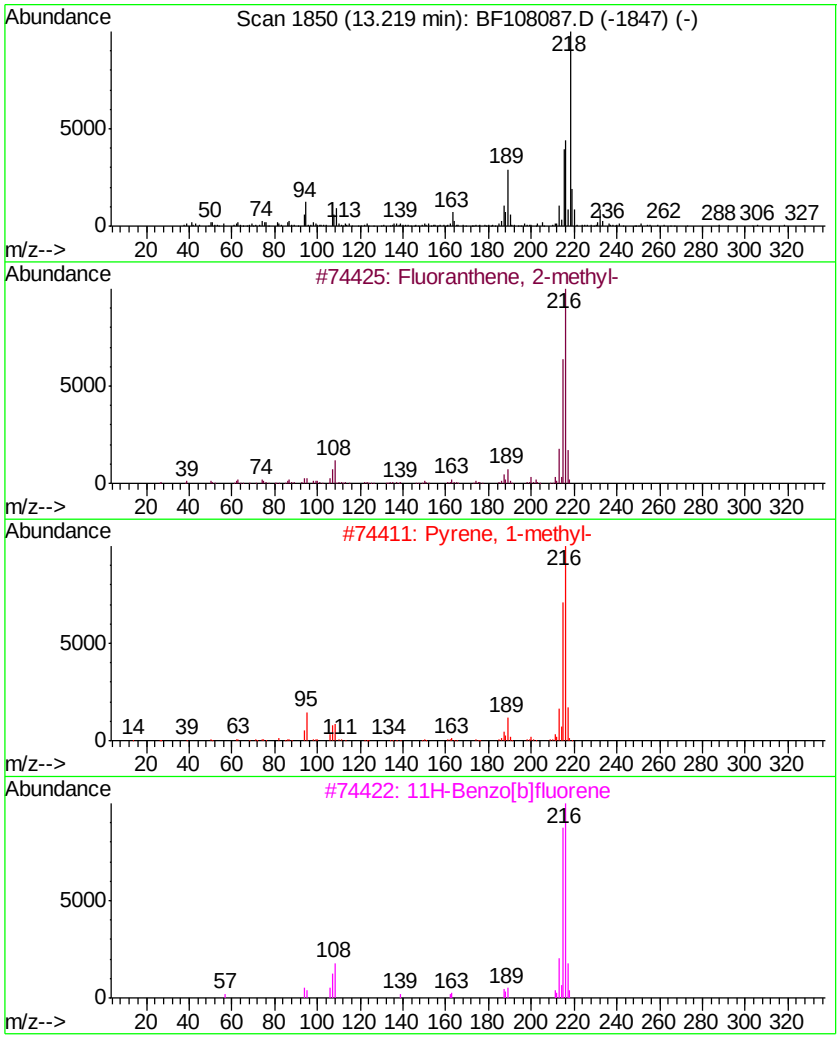
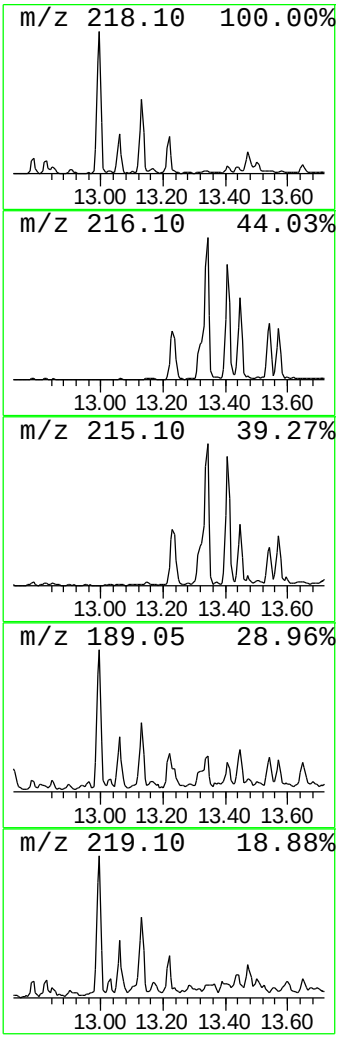
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.14 ng	509387	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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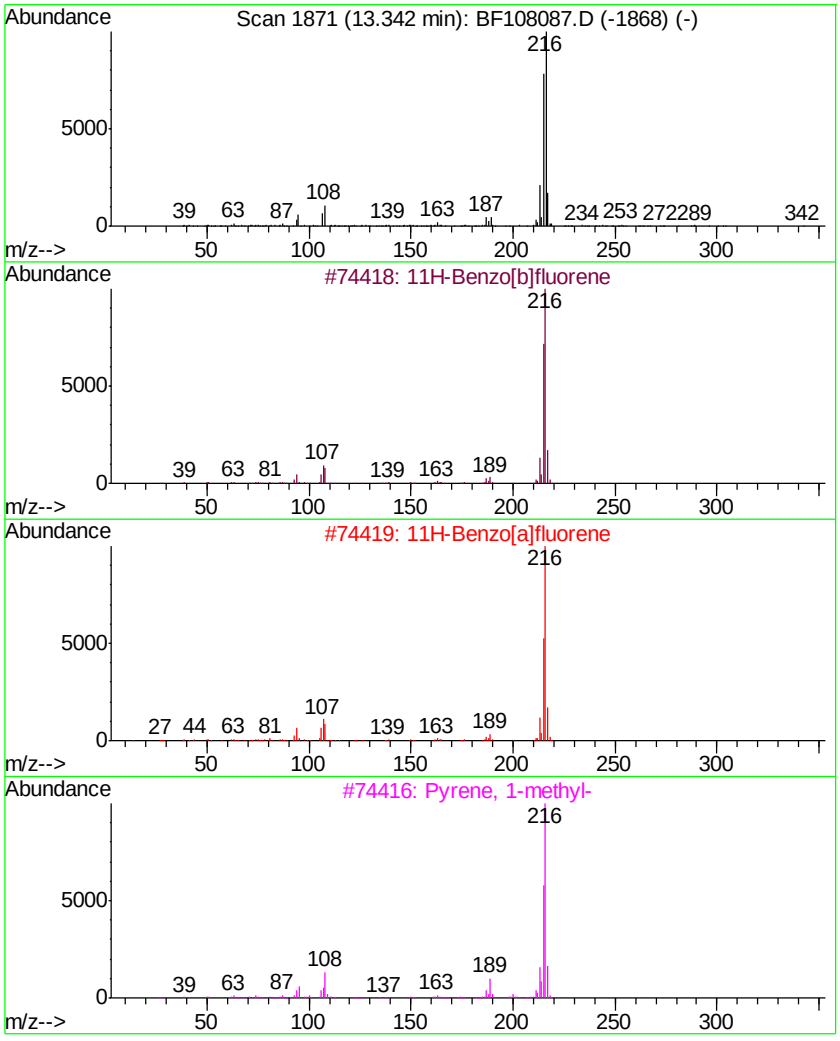
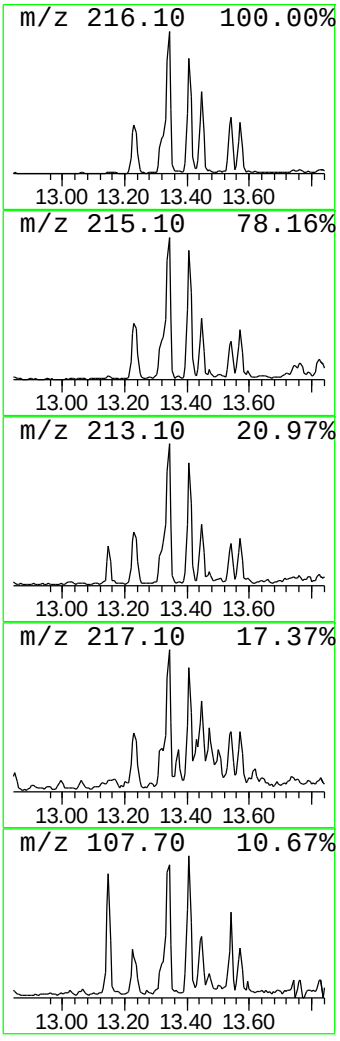
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.54 ng	604762	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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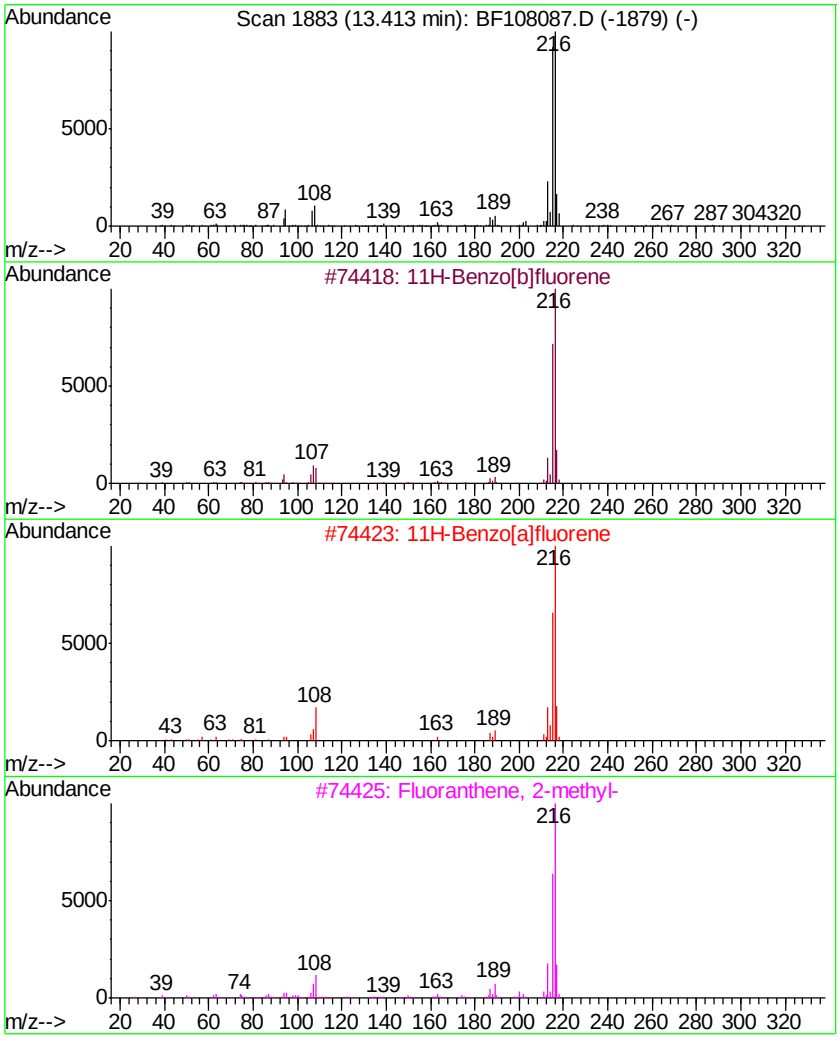
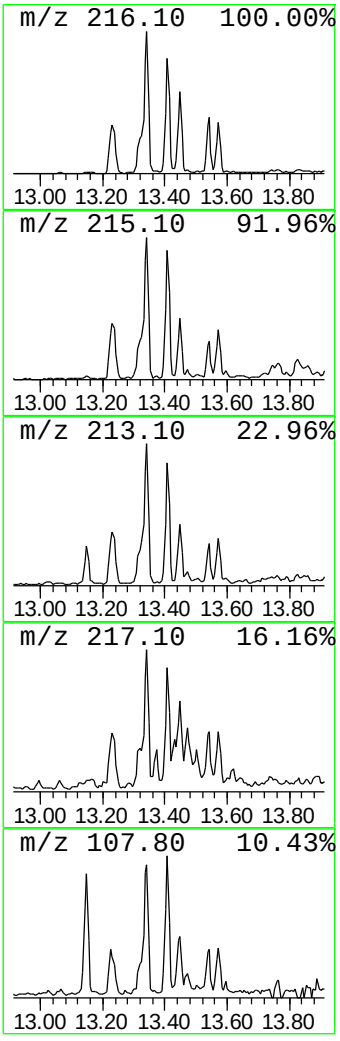
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.17 ng	517431	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59





Library Search Compound Report

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Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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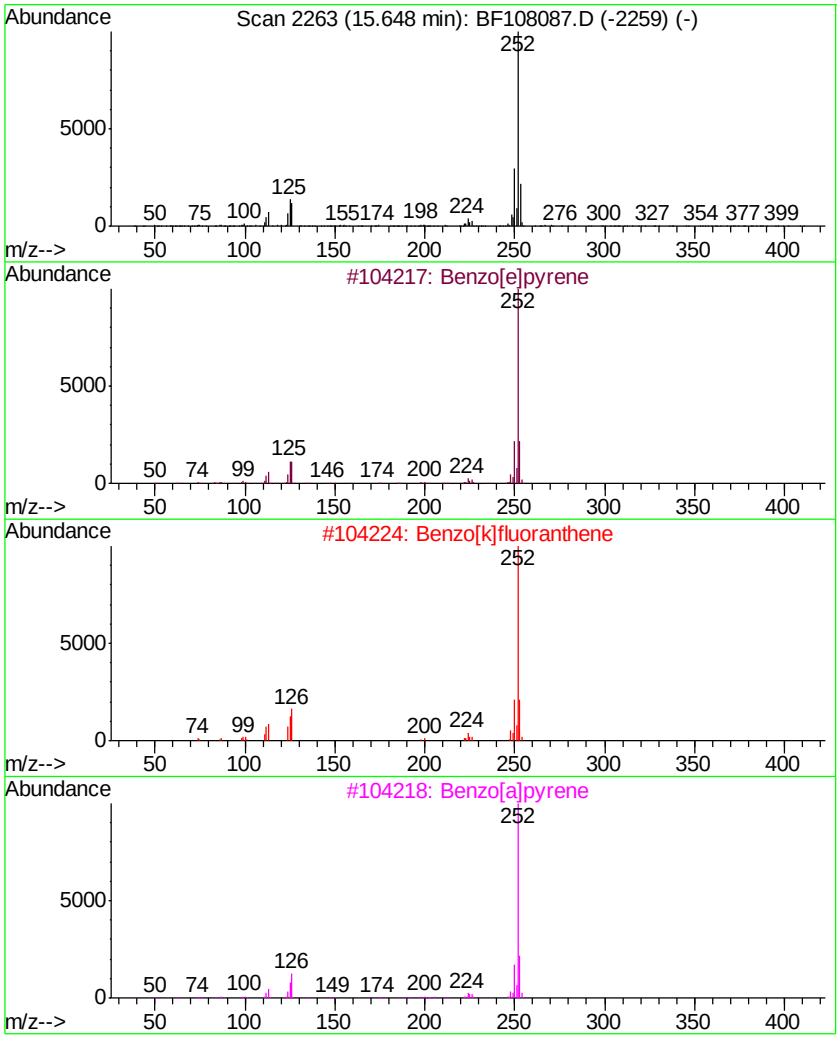
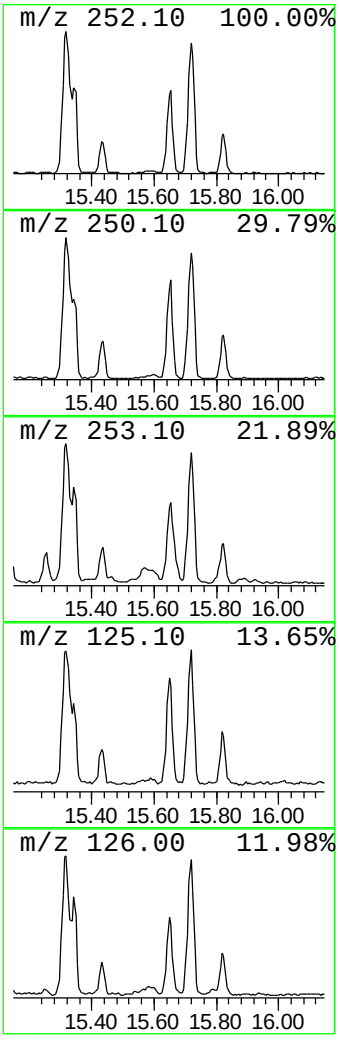
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	14.30 ng	1269210	Perylene-d12	15.79

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108087.D
Acq On : 10 Aug 2018 16:43
Operator : JU/SJ
Sample : J4282-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-080918-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
2-Pentanone, 4-hy...	5.25	7.0	ng	624063	1	7.02	1796100	20.0
unknown6.78	6.78	36.4	ng	3267300	1	7.02	1796100	20.0
Phenanthrene, 1-m...	12.07	4.1	ng	436951	4	11.56	2147460	20.0
Phenanthrene, 2-m...	12.09	4.6	ng	494002	4	11.56	2147460	20.0
Anthracene, 2-met...	12.14	2.3	ng	241614	4	11.56	2147460	20.0
4H-Cyclopenta[def...	12.18	8.7	ng	933230	4	11.56	2147460	20.0
Naphthalene, 2-ph...	12.36	2.6	ng	276951	4	11.56	2147460	20.0
Anthracene, 1,4-d...	12.61	3.9	ng	413725	4	11.56	2147460	20.0
unknown12.65	12.65	2.6	ng	279060	4	11.56	2147460	20.0
Cyclopenta(def)ph...	12.70	2.6	ng	277341	4	11.56	2147460	20.0
Fluoranthene, 2-m...	13.22	2.1	ng	509387	5	14.22	4767130	20.0
11H-Benzo[a]fluorene	13.34	2.5	ng	604762	5	14.22	4767130	20.0
11H-Benzo[b]fluorene	13.41	2.2	ng	517431	5	14.22	4767130	20.0
Benzo[e]pyrene	15.65	14.3	ng	1269210	6	15.79	1775420	20.0