LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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	5.104	509	513	523	rBV	42484	84599	2.64%	0.194%
2	5.498	576	580	607	rBV	1342953	2989868	93.36%	6.842%
3	6.122	682	686	696	rVB	920421	783508	24.46%	1.793%
4	6.504	748	751	769	rBV	1777887	3202569	100.00%	7.329%
5	6.634	769	773	795	rVB	2461722	3145151	98.21%	7.198%
6	6.857	808	811	819	rBV	681973	871571	27.21%	1.995%
7	6.922	819	822	826	rVV	383984	382936	11.96%	0.876%
8	6.957	826	828	832	rVV	96801	108809	3.40%	0.249%
9	7.010	834	837	862	rVV	1943699	2277437	71.11%	5.212%
10	7.428	904	908	925	rBV	1386615	1946645	60.78%	4.455%
11	7.581	931	934	940	rVB2	34278	39922	1.25%	0.091%
12	7.657	944	947	958	rVB3	27406	37351	1.17%	0.085%
13	7.863	977	982	989	rBV2	25291	42454	1.33%	0.097%
14	8.034	1009	1011	1015	rBV	29874	32523	1.02%	0.074%
15	8.139	1026	1029	1052	rBV	954247	1382135	43.16%	3.163%
16	8.863	1149	1152	1158	rBV	35037	43697	1.36%	0.100%
17	8.957	1165	1168	1173	rBV	49267	53512	1.67%	0.122%
18	9.216	1208	1212	1220	rBV	2497021	2637352	82.35%	6.036%
19	9.281	1220	1223	1228	rVV	59018	76035	2.37%	0.174%
20	9.492	1253	1259	1262	rBV3	25144	38679	1.21%	0.089%
21	9.557	1267	1270	1273	rVV	57912	71277	2.23%	0.163%
22	9.610	1276	1279	1285	rVV	239138	258865	8.08%	0.592%
23	9.675	1285	1290	1298	rVB2	31716	65651	2.05%	0.150%
24	9.763	1300	1305	1309	rBV2	34822	49112	1.53%	0.112%
25	9.810	1310	1313	1316	rVB	117712	87943	2.75%	0.201%
26	9.898	1321	1328	1332	rBV2	1185183	1193001	37.25%	2.730%
27	9.933	1332	1334	1341	rVB	309422	284997	8.90%	0.652%
28	10.051	1349	1354	1359	rVB4	35634	60266	1.88%	0.138%
29	10.110	1359	1364	1368	rBV2	93255	151370	4.73%	0.346%
30	10.216	1378	1382	1385	rBV2	28759	32260	1.01%	0.074%
31	10.310	1395	1398	1405	rVB	164397	150058	4.69%	0.343%
32	10.451	1415	1422	1428	rBV	194259	236019	7.37%	0.540%
33	10.516	1428	1433	1434	rBV2	55267	62332	1.95%	0.143%
34	10.533	1434	1436	1439	rVB2	52079	51670	1.61%	0.118%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.610	1447	1449	1453	rVB	71468	64676	2.02%	0.148%
36	10.698	1460	1464	1476	rBV	1305009	1540186	48.09%	3.525%
37	10.780	1476	1478	1485	rVB	114021	140747	4.39%	0.322%
38	11.004	1509	1516	1519	rBV3	61201	110585	3.45%	0.253%
39	11.127	1532	1537	1539	rBV4	47315	69644	2.17%	0.159%
40	11.151	1539	1541	1546	rVV2	47180	54894	1.71%	0.126%
41	11.216	1546	1552	1553	rVV4	44434	58122	1.81%	0.133%
42	11.233	1553	1555	1562	rVV3	101001	142591	4.45%	0.326%
43	11.292	1562	1565	1570	rVB	80539	86546	2.70%	0.198%
44	11.398	1579	1583	1585	rBV	1078311	1067252	33.32%	2.442%
45	11.422	1585	1587	1593	rVV	1662218	1527620	47.70%	3.496%
46	11.475	1593	1596	1602	rVV	426667	499888	15.61%	1.144%
47	11.522	1602	1604	1609	rVB3	29047	38885	1.21%	0.089%
48	11.639	1618	1624	1630	rBV3	140722	260192	8.12%	0.595%
49	11.686	1630	1632	1634	rVV	45991	38757	1.21%	0.089%
50	11.733	1634	1640	1647	rVV6	48493	109734	3.43%	0.251%
51	11.810	1650	1653	1659	rVB4	20789	37591	1.17%	0.086%
52	11.898	1665	1668	1671	rBV	253779	278981	8.71%	0.638%
53	11.927	1671	1673	1679	rVV2	313037	348140	10.87%	0.797%
54	11.980	1679	1682	1684	rVV	125245	127181	3.97%	0.291%
55	12.016	1684	1688	1690	rVV	327028	401394	12.53%	0.919%
56	12.033	1690	1691	1695	rVV	156085	147661	4.61%	0.338%
57	12.192	1715	1718	1722	rBV	135627	156918	4.90%	0.359%
58	12.239	1724	1726	1729	rVV	76389	78705	2.46%	0.180%
59	12.345	1741	1744	1747	rVB	52787	47287	1.48%	0.108%
60	12.374	1747	1749	1751	rBV	46690	37012	1.16%	0.085%
61	12.422	1755	1757	1759	rVB2	43951	32821	1.02%	0.075%
62	12.451	1759	1762	1765	rBV2	152218	165526	5.17%	0.379%
63	12.551	1774	1779	1786	rVB2	93224	167694	5.24%	0.384%
64	12.621	1786	1791	1795	rBV	1671830	1735738	54.20%	3.972%
65	12.686	1799	1802	1805	rVB4	29291	49190	1.54%	0.113%
66	12.769	1813	1816	1823	rVB3	89206	126921	3.96%	0.290%
67	12.851	1827	1830	1835	rVV	1519294	1522764	47.55%	3.485%
68	12.898	1835	1838	1843	rVB	95523	99071	3.09%	0.227%
69	12.980	1848	1852	1857	rVV	1744729	1685043	52.62%	3.856%
70	13.021	1857	1859	1862	rVB	79801	77216	2.41%	0.177%
71	13.069	1862	1867	1872	rBV2	107813	179958	5.62%	0.412%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.116	1872	1875	1878	rBV2	39722	40102	1.25%	0.092%
73	13.180	1878	1886	1891	rBV	249614	393689	12.29%	0.901%
74	13.245	1894	1897	1899	rBV	143536	122792	3.83%	0.281%
75	13.280	1899	1903	1910	rVB3	140110	236654	7.39%	0.542%
76	13.374	1916	1919	1922	rBV	79277	84064	2.62%	0.192%
77	13.410	1922	1925	1928	rBV2	77746	79924	2.50%	0.183%
78	13.463	1931	1934	1937	rBV4	55384	59867	1.87%	0.137%
79	13.698	1972	1974	1980	rVB	76723	96631	3.02%	0.221%
80	13.804	1990	1992	1994	rVV2	121049	127335	3.98%	0.291%
81	13.827	1994	1996	1998	rVV	131697	125445	3.92%	0.287%
82	13.857	1998	2001	2008	rVV3	228154	335971	10.49%	0.769%
83	13.910	2008	2010	2015	rVB	84646	99408	3.10%	0.227%
84	14.051	2028	2034	2037	rBV2	925587	1501834	46.89%	3.437%
85	14.080	2037	2039	2046	rVV	637386	671077	20.95%	1.536%
86	14.163	2050	2053	2058	rVV	132621	136452	4.26%	0.312%
87	14.445	2099	2101	2105	rVB	114548	112976	3.53%	0.259%
88	14.480	2105	2107	2110	rBV	49610	48635	1.52%	0.111%
89	14.580	2121	2124	2125	rBV	57241	62212	1.94%	0.142%
90	15.127	2212	2217	2227	rBV	472267	1047352	32.70%	2.397%
91	15.239	2233	2236	2242	rVB	96907	119350	3.73%	0.273%
92	15.439	2266	2270	2277	rVB	263602	359653	11.23%	0.823%
93	15.504	2277	2281	2287	rBV	412580	573391	17.90%	1.312%
94	15.568	2288	2292	2295	rBV	385121	500723	15.64%	1.146%
95	17.115	2551	2555	2563	rVB2	147812	300761	9.39%	0.688%
96	17.592	2631	2636	2645	rVB	92085	215336	6.72%	0.493%

Sum of corrected areas: 43696339

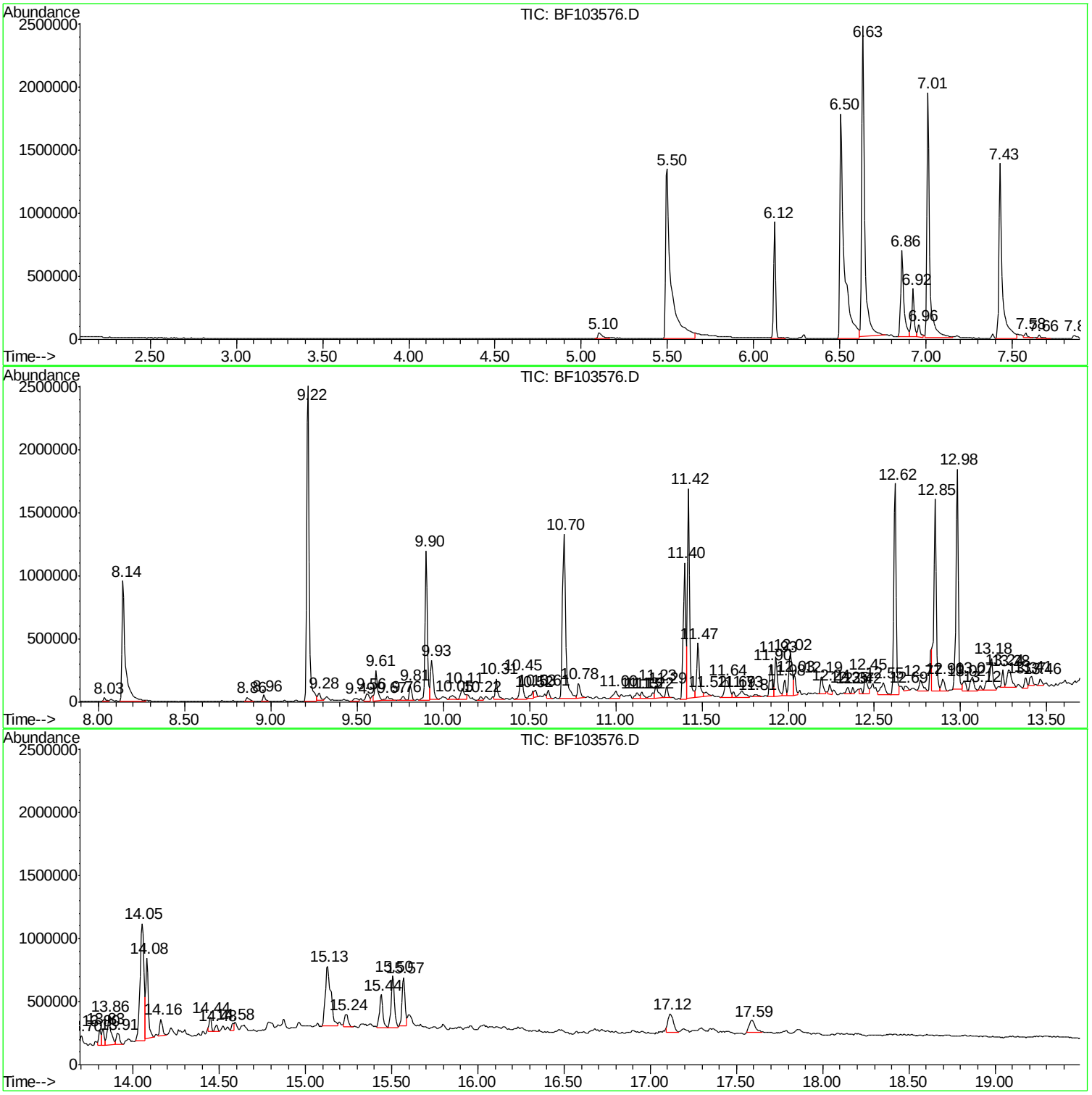
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

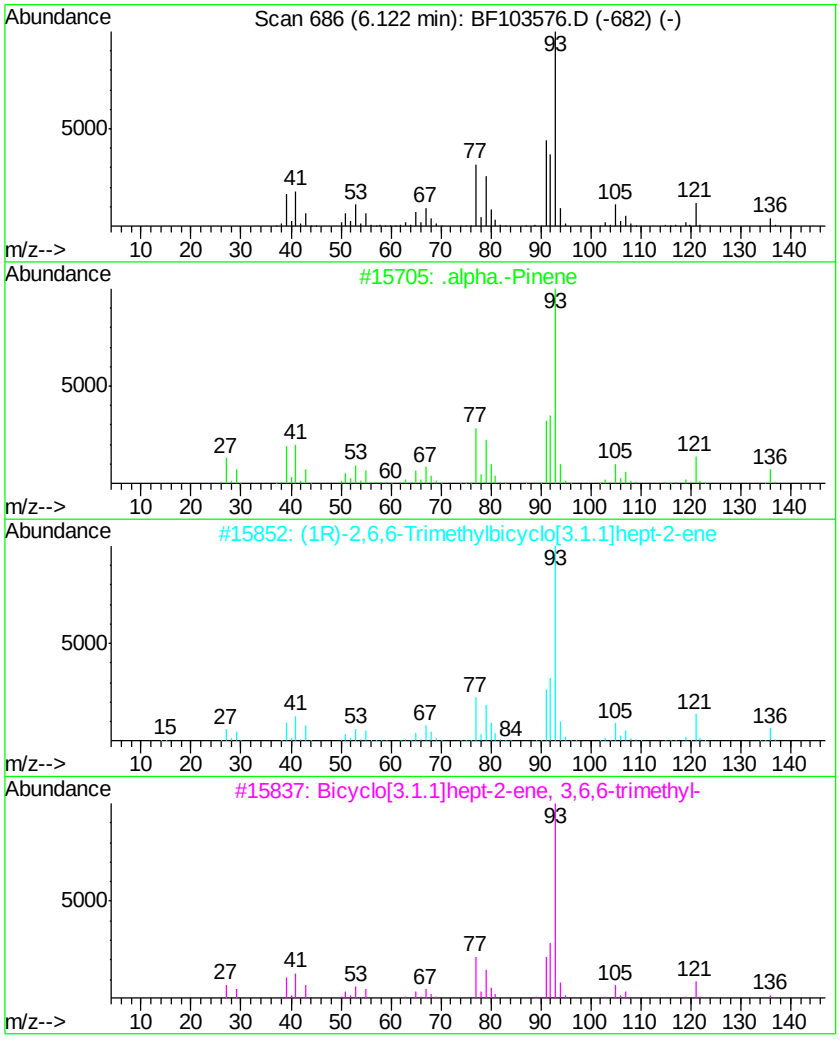
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

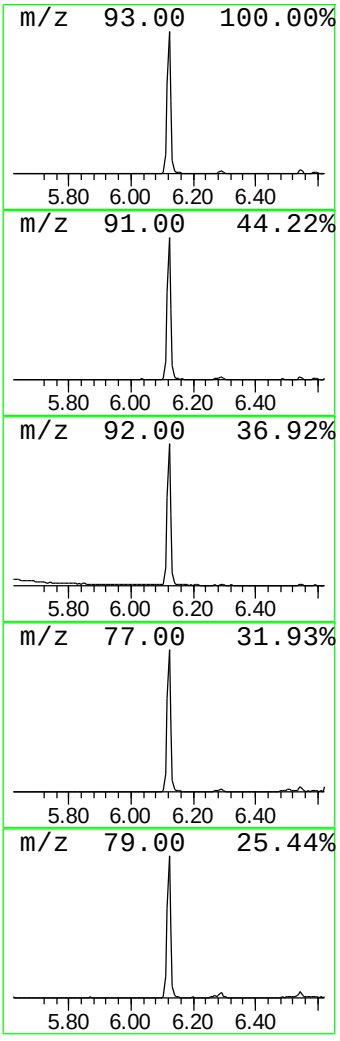
****

Peak Number 1 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	17.98 ng	783508	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	trans-.beta.-Ocimene	136	C10H16	003779-61-1	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

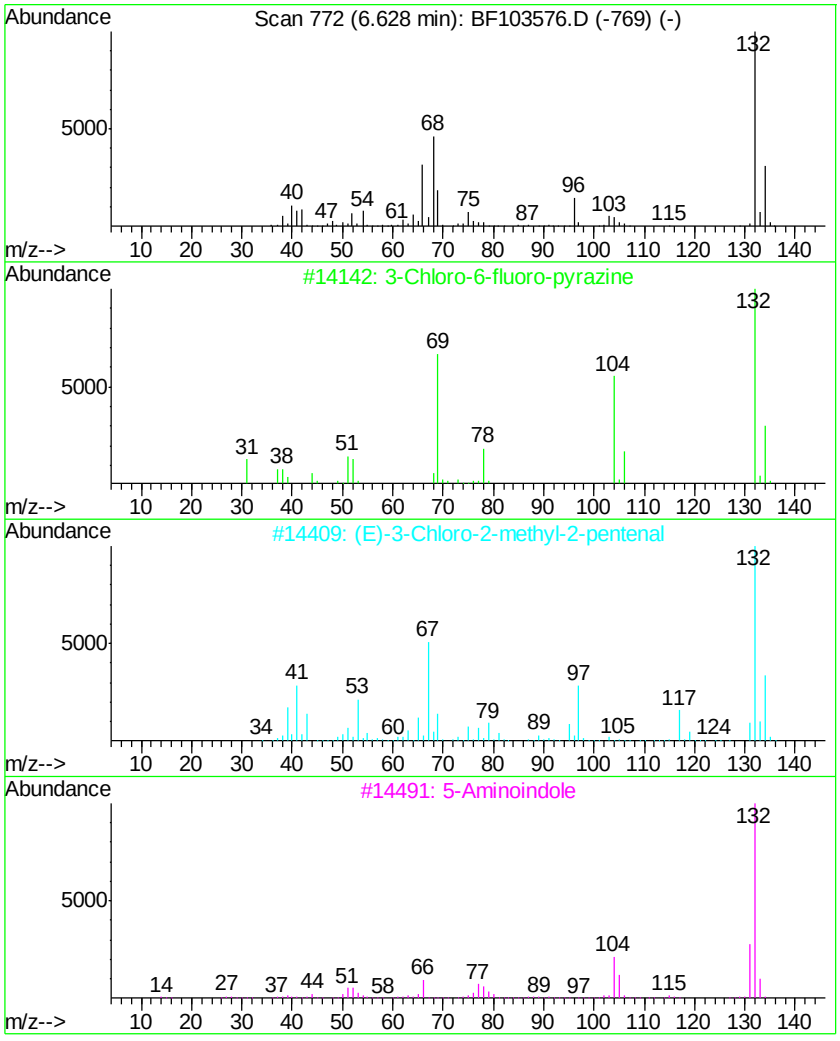
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

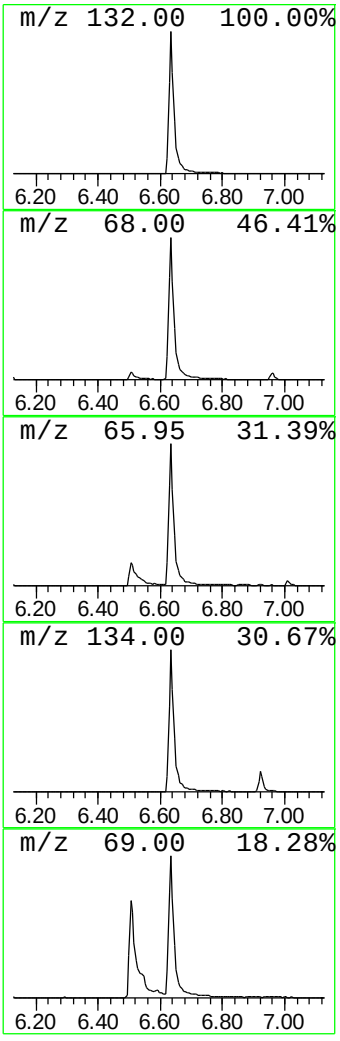
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	72.17 ng	3145150	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

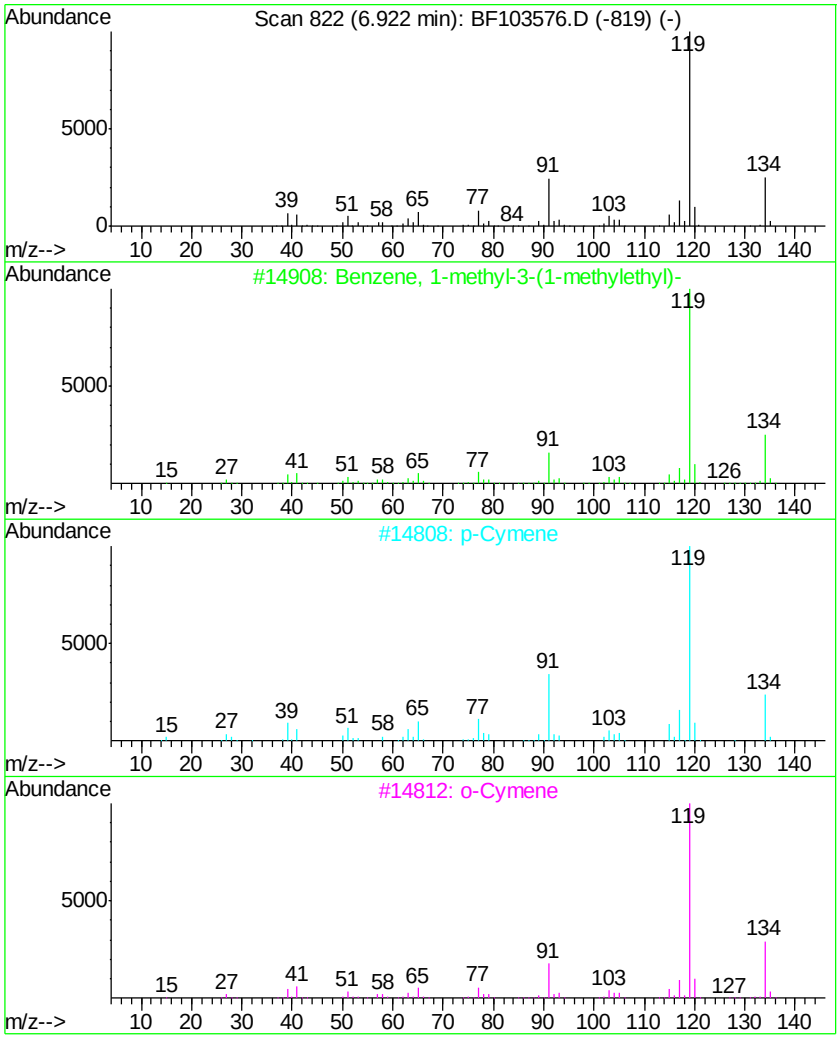
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

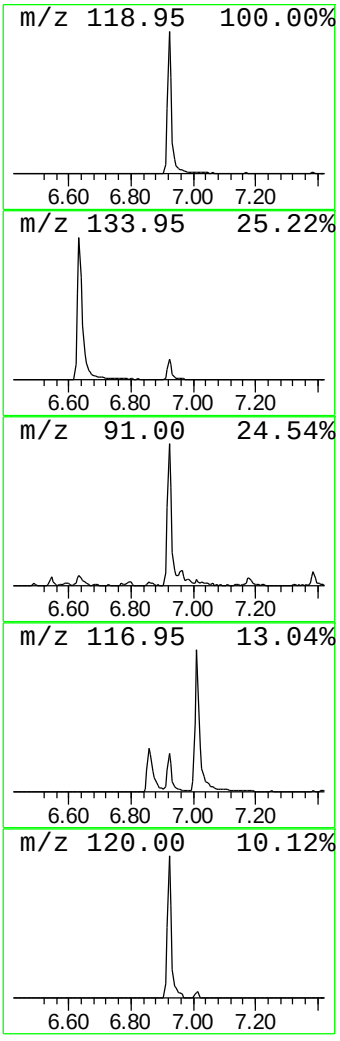
****

Peak Number 3 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	8.79 ng	382936	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

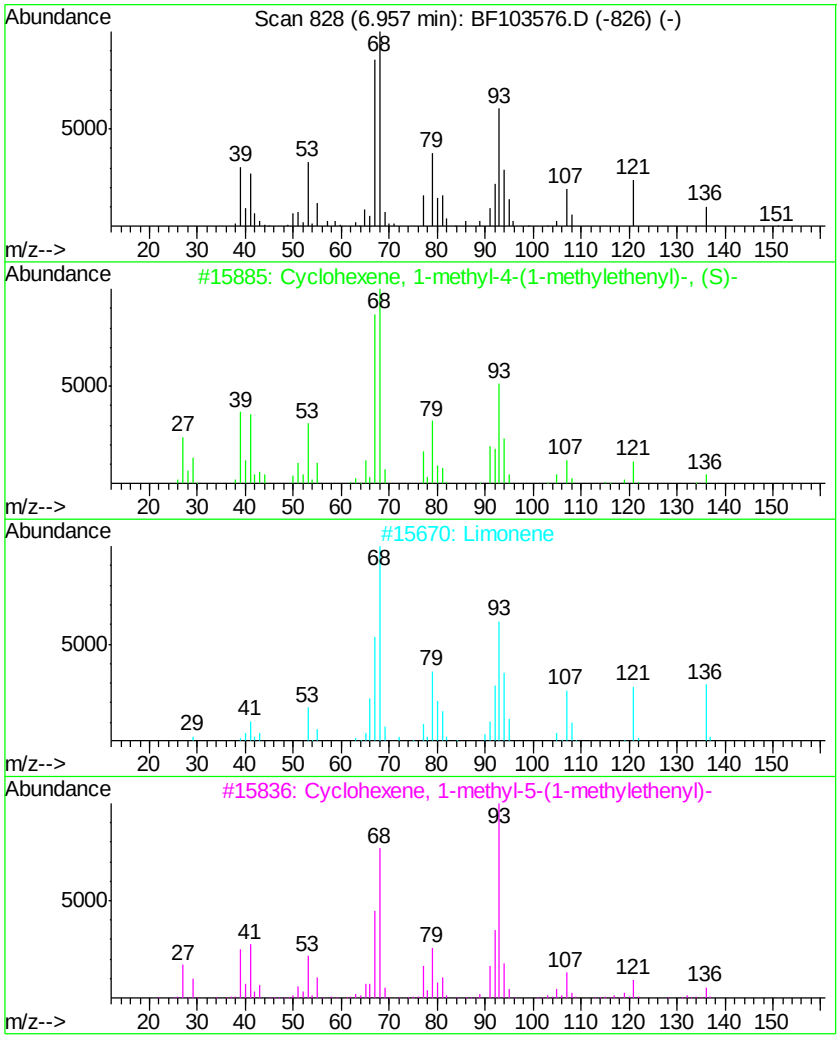
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

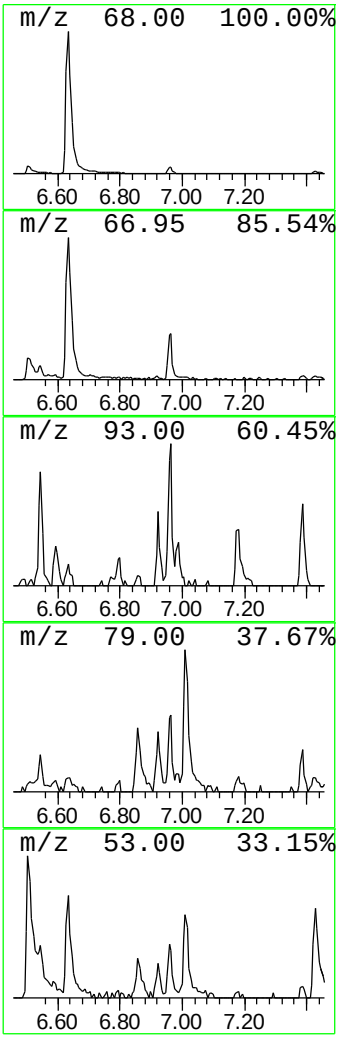
****

Peak Number 4 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	2.50 ng	108809	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
2	Limonene	136	C10H16	000138-86-3	87
3	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	81
4	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	76
5	D-Limonene	136	C10H16	005989-27-5	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

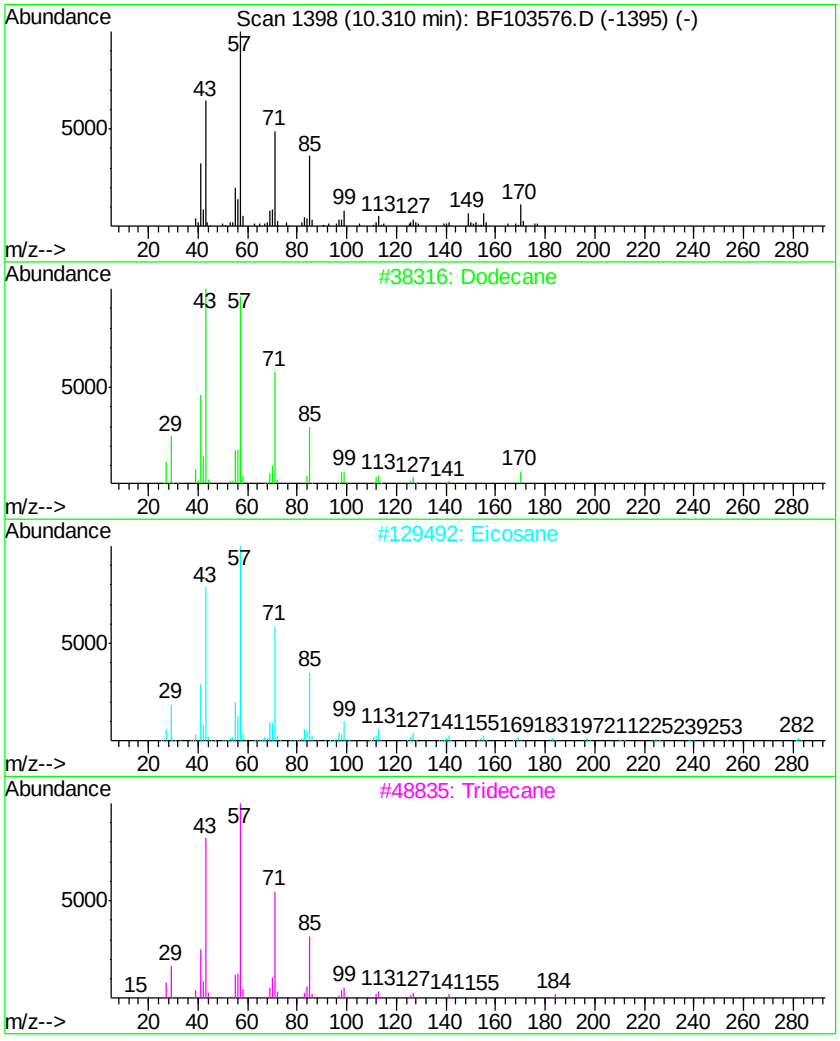
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

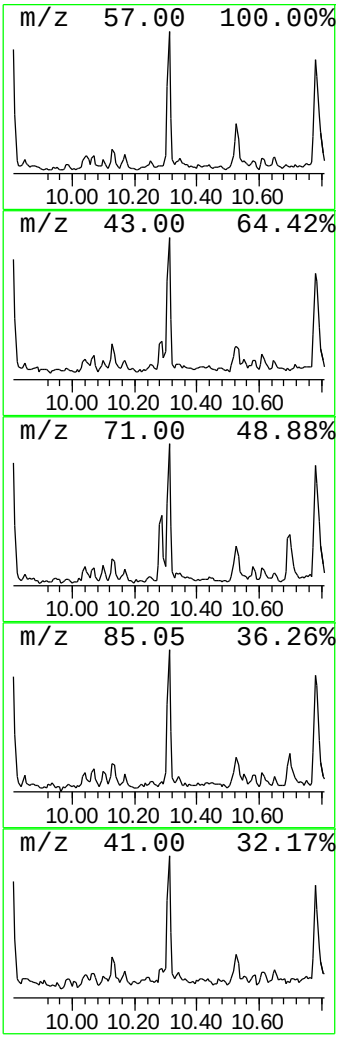
****

Peak Number 6 Dodecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	2.52 ng	150058	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	86
2	Eicosane	282	C20H42	000112-95-8	72
3	Tridecane	184	C13H28	000629-50-5	72
4	Hexadecane	226	C16H34	000544-76-3	64
5	Pentadecane	212	C15H32	000629-62-9	64





Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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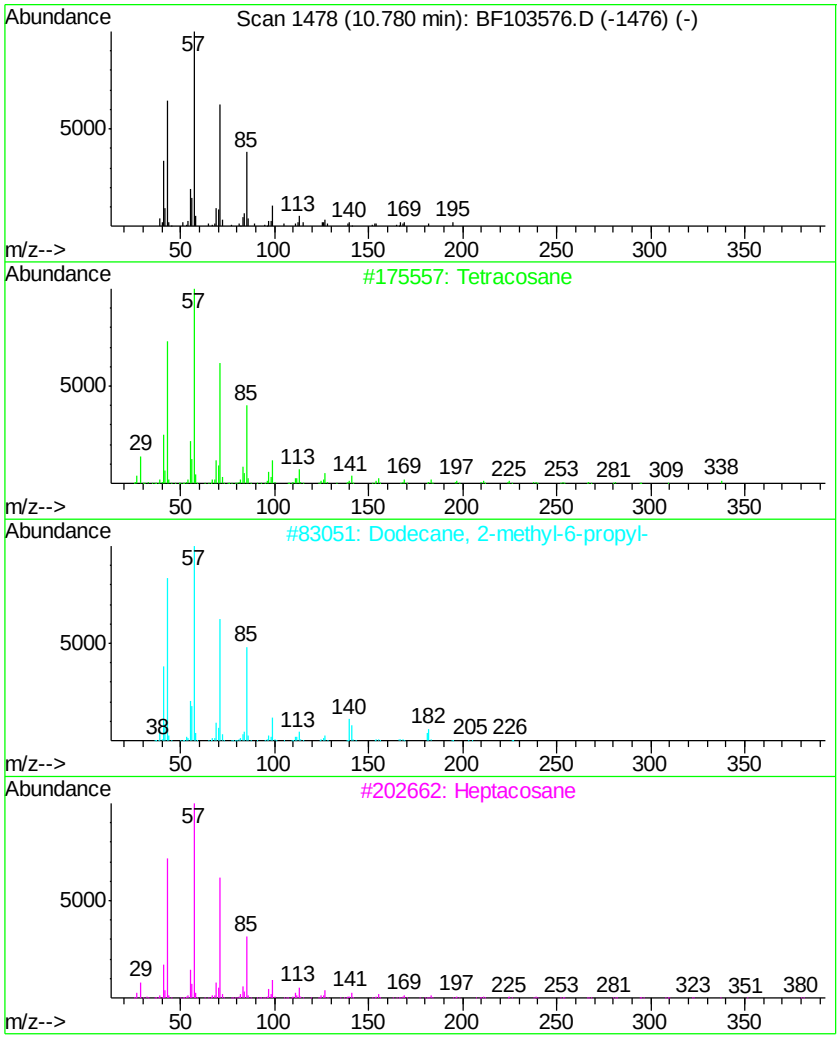
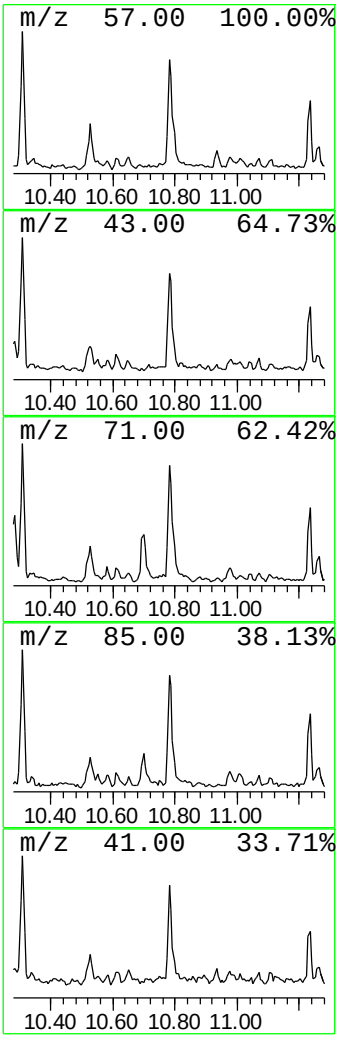
Peak Number 7 Tetracosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.64 ng	140747	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3	Heptacosane	380	C27H56	000593-49-7	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Octacosane	394	C28H58	000630-02-4	86





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Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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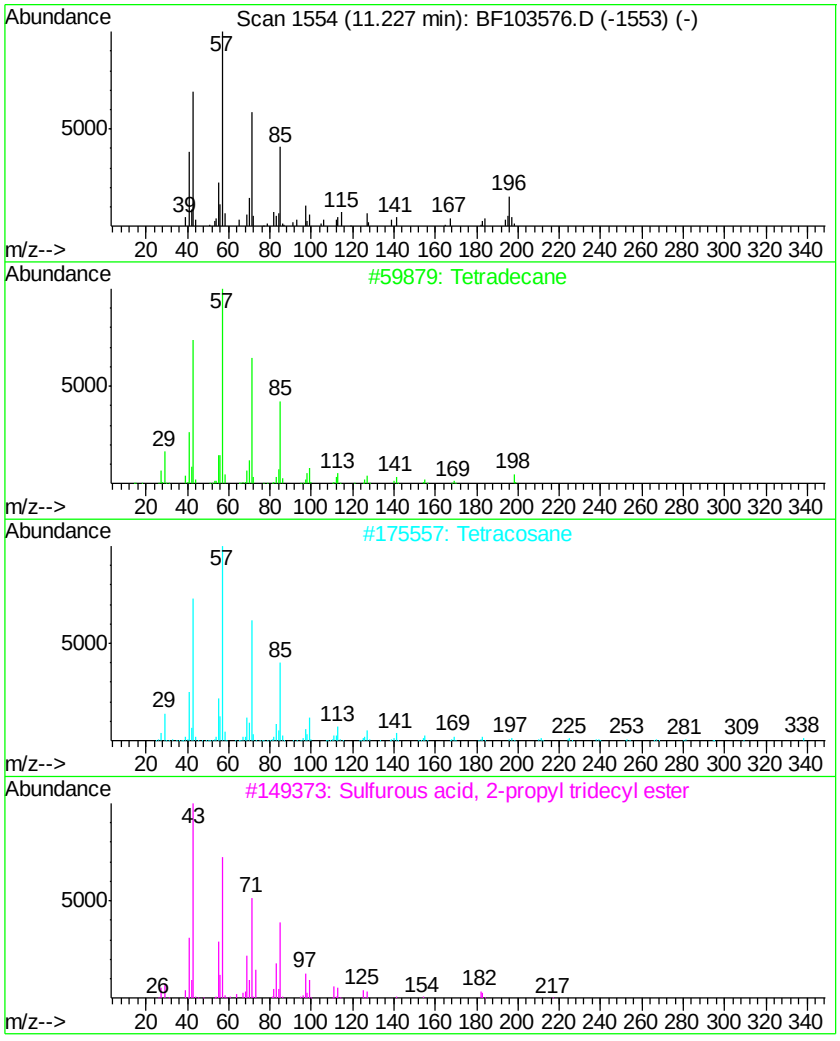
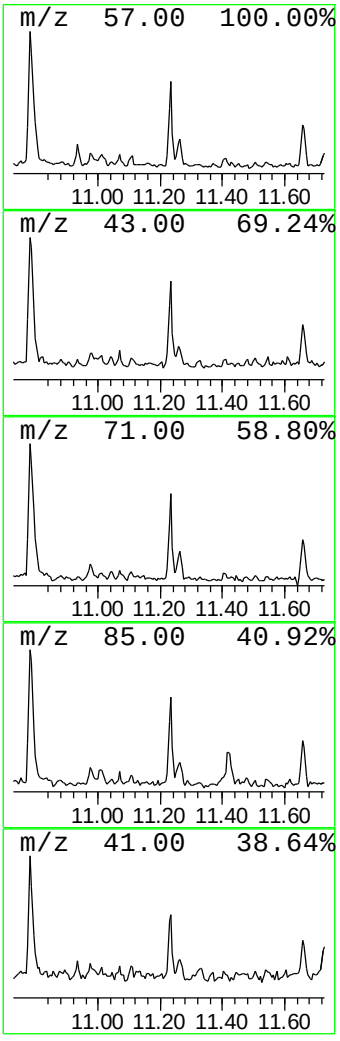
Peak Number 8 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.67 ng	142591	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	78
2	Tetracosane	338	C24H50	000646-31-1	58
3	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	58
4	Octacosane	394	C28H58	000630-02-4	58
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	58





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Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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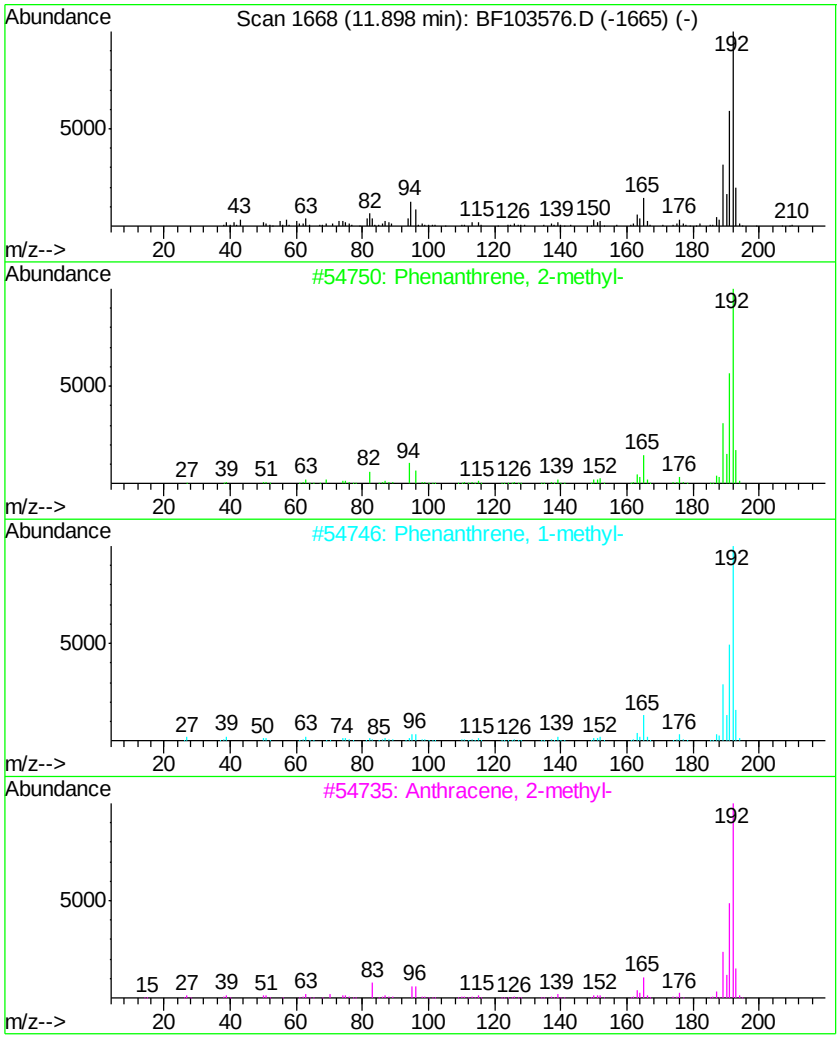
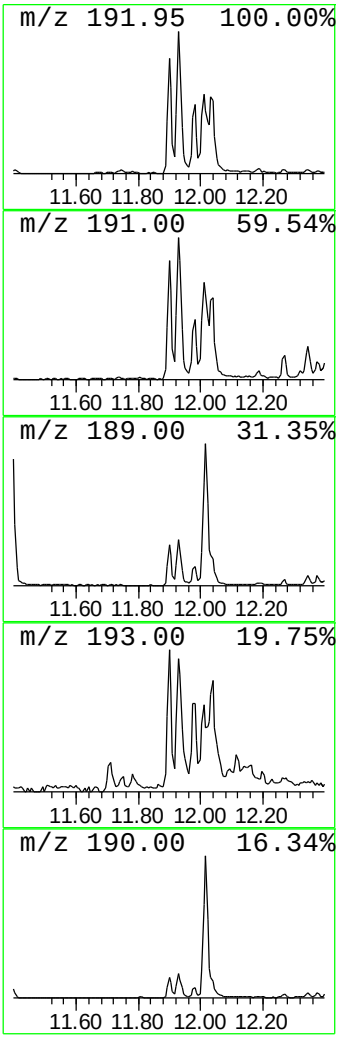
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.23 ng	278981	Phenanthrene-d10	11.40

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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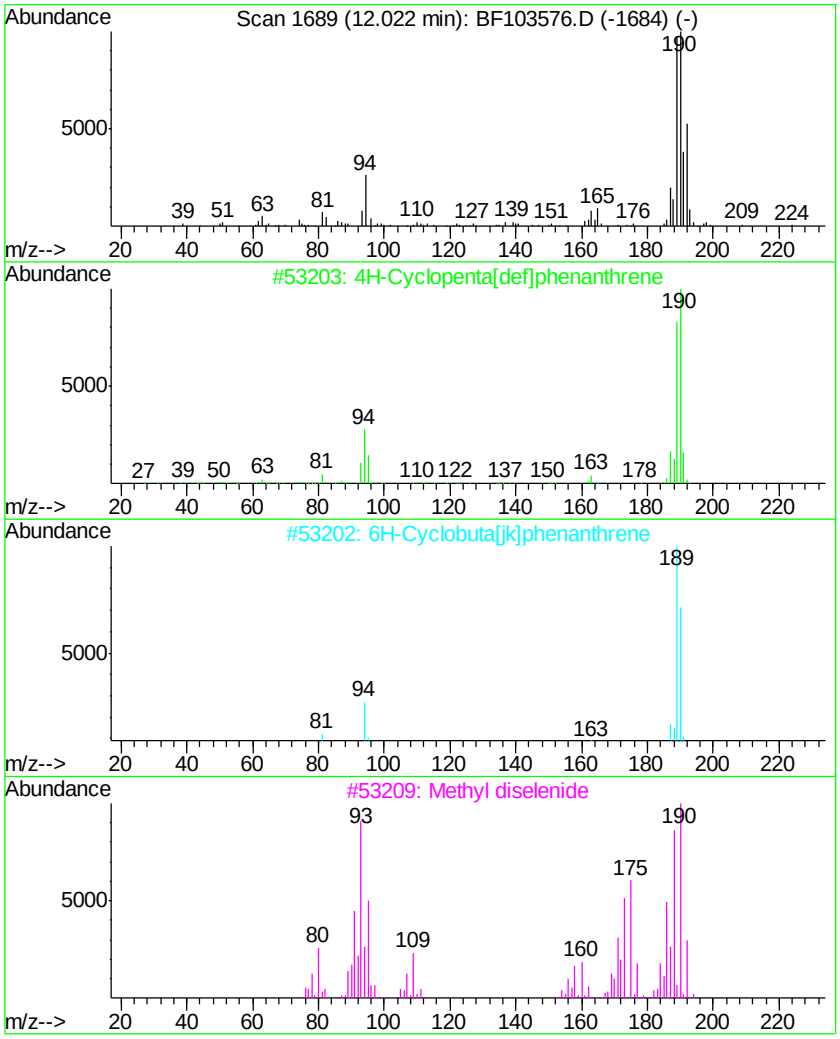
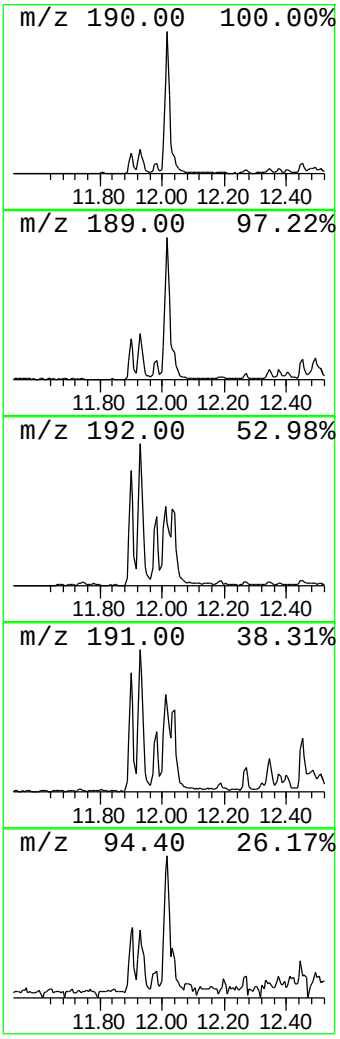
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.52 ng	401394	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	46
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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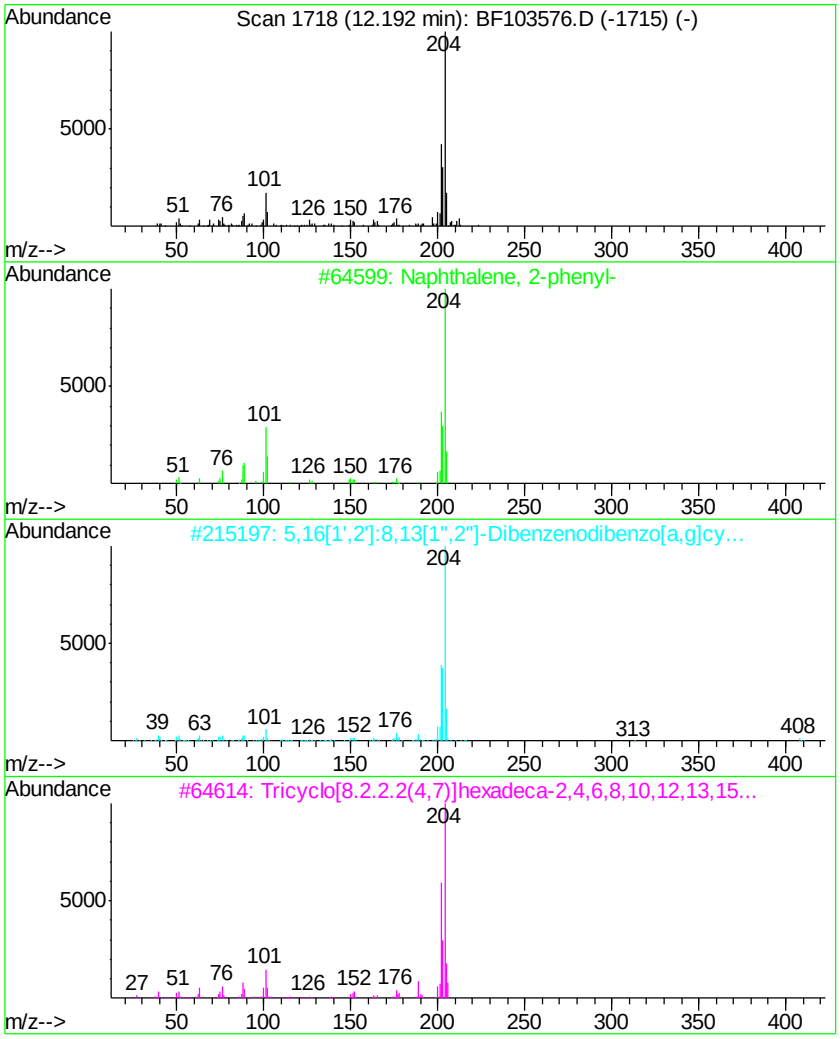
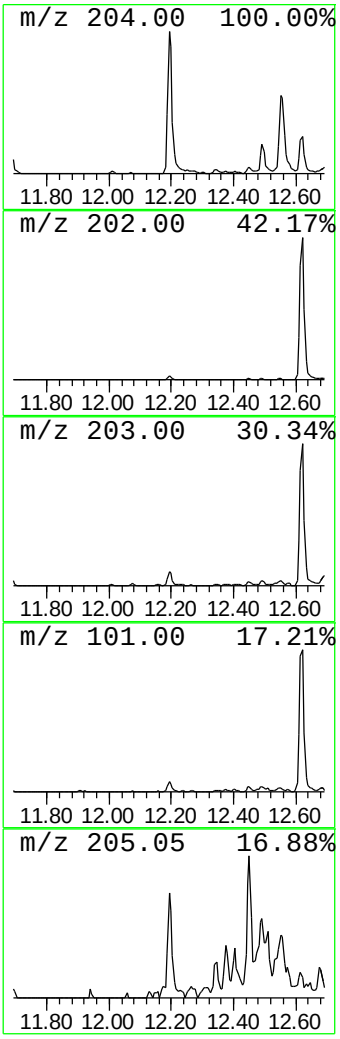
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.94 ng	156918	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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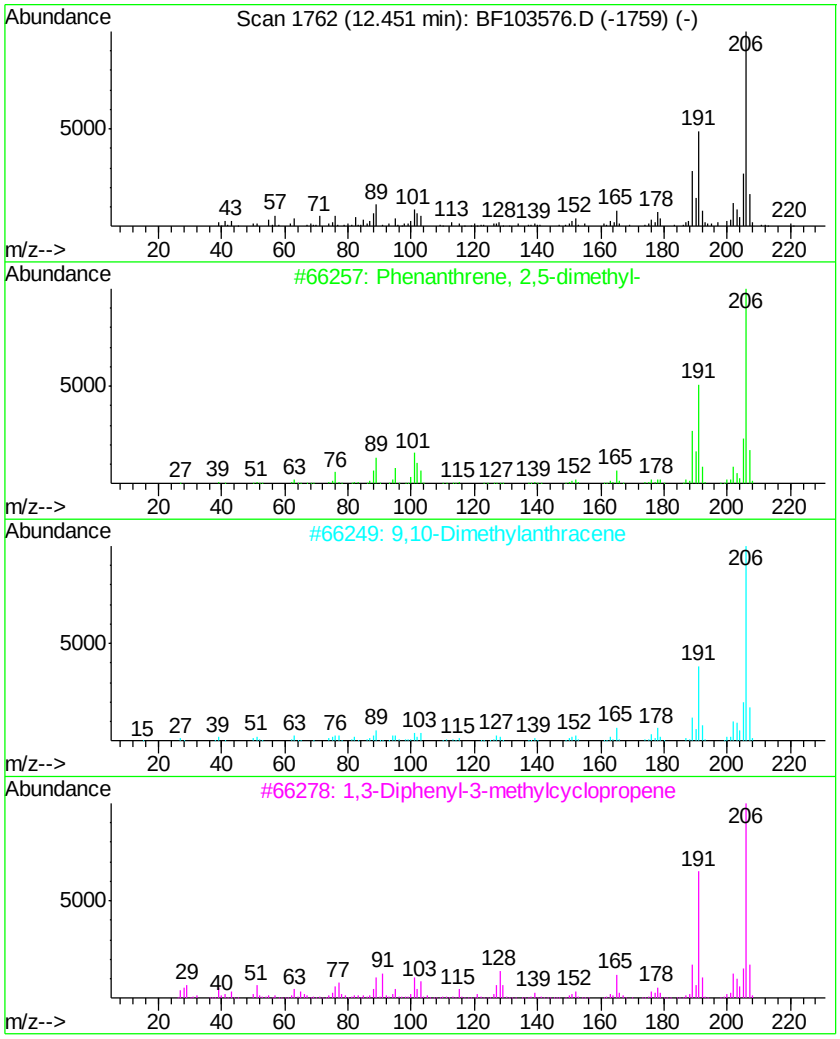
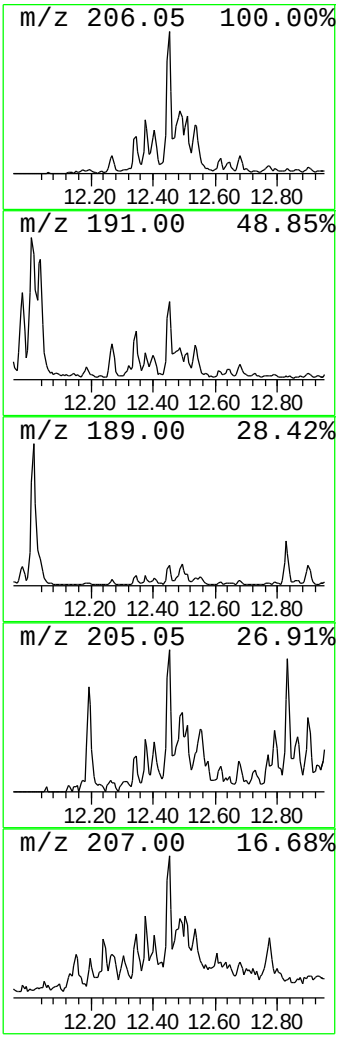
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.10 ng	165526	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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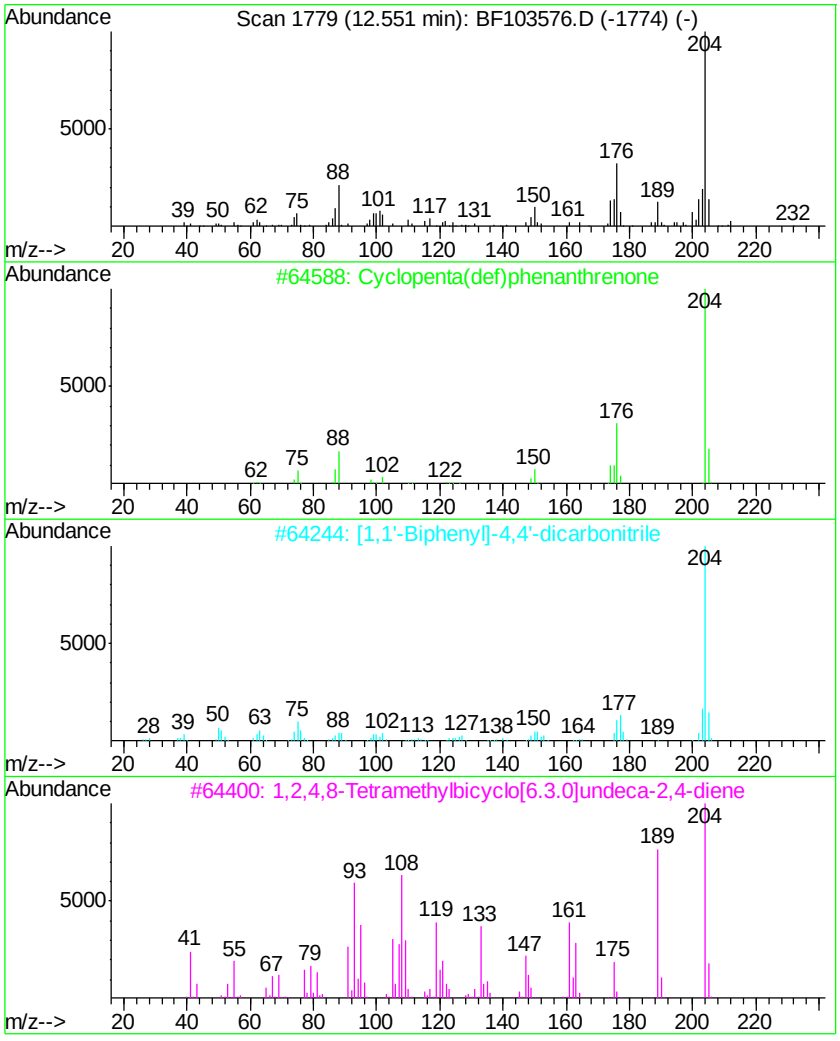
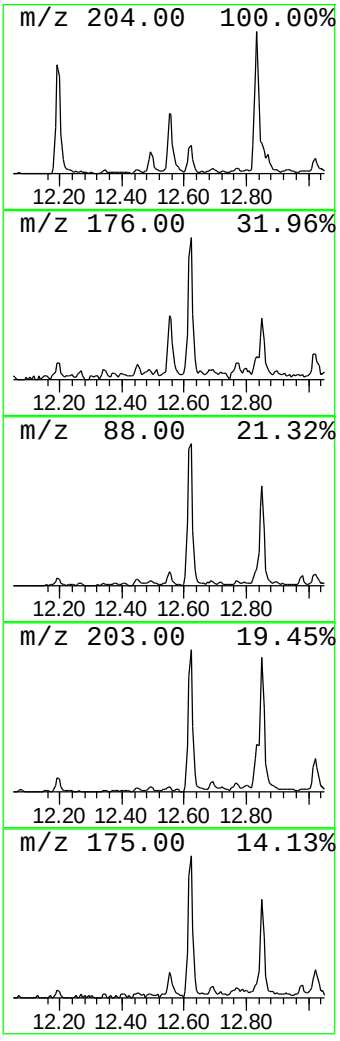
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.14 ng	167694	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	49
5	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	49





Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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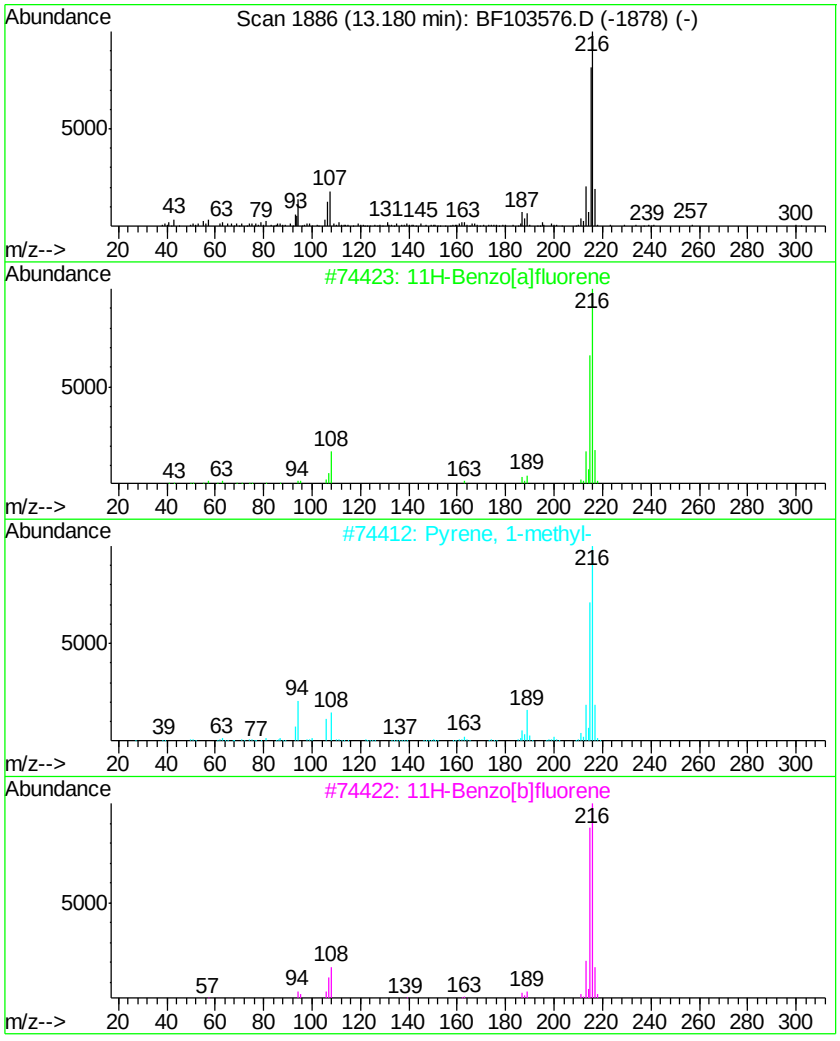
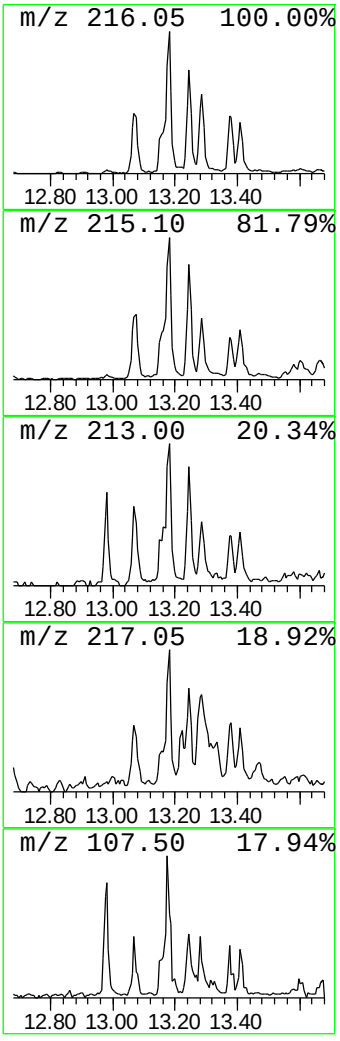
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.24 ng	393689	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
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Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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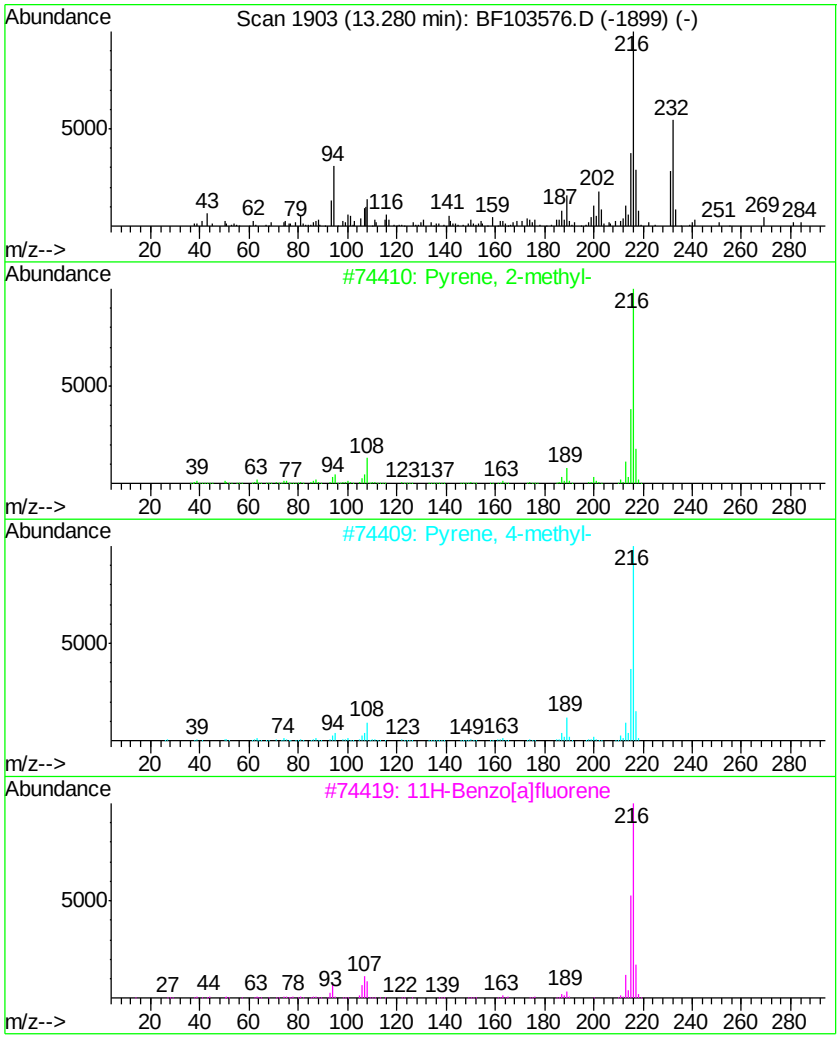
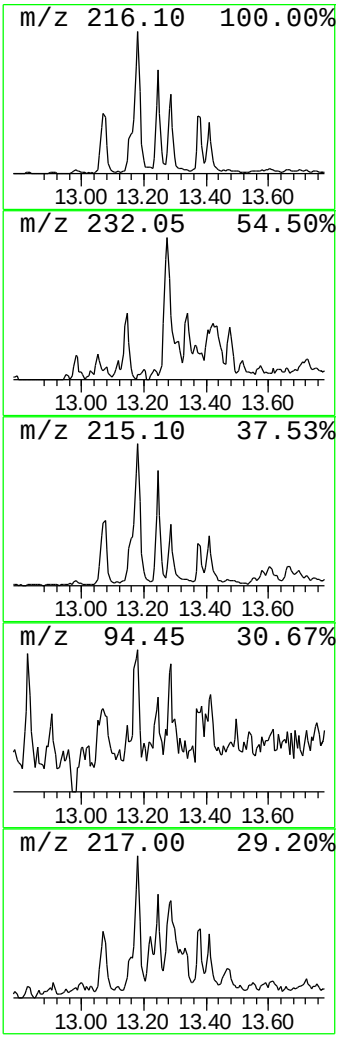
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.15 ng	236654	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	43
4	Benzenamine, 4,4'-thiobis-	216	C12H12N2S	000139-65-1	38
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031218\
Data File : BF103576.D
Acq On : 12 Mar 2018 12:39
Operator : SJ/JU
Sample : J1870-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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
.alpha.-Pinene	6.12	18.0	ng	783508	1	6.86	871571	20.0
unknown6.63	6.63	72.2	ng	3145150	1	6.86	871571	20.0
Benzene, 1-methyl...	6.92	8.8	ng	382936	1	6.86	871571	20.0
Cyclohexene, 1-me...	6.96	2.5	ng	108809	1	6.86	871571	20.0
Dodecane	10.31	2.5	ng	150058	3	9.90	1193000	20.0
Tetracosane	10.78	2.6	ng	140747	4	11.40	1067250	20.0
Tetradecane	11.23	2.7	ng	142591	4	11.40	1067250	20.0
Phenanthrene, 2-m...	11.90	5.2	ng	278981	4	11.40	1067250	20.0
4H-Cyclopenta[def...	12.02	7.5	ng	401394	4	11.40	1067250	20.0
Naphthalene, 2-ph...	12.19	2.9	ng	156918	4	11.40	1067250	20.0
Phenanthrene, 2,5...	12.45	3.1	ng	165526	4	11.40	1067250	20.0
Cyclopenta(def)ph...	12.55	3.1	ng	167694	4	11.40	1067250	20.0
11H-Benzo[a]fluorene	13.18	5.2	ng	393689	5	14.06	1501830	20.0
Pyrene, 2-methyl-	13.28	3.1	ng	236654	5	14.06	1501830	20.0