LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
Data File : BF103505.D
Acq On : 7 Mar 2018 17:07
Operator : SJ/JU
Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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	2.157	6	12	20	rVB	270604	382855	6.68%	0.747%
2	3.963	312	319	349	rBV	3521670	5730904	100.00%	11.184%
3	5.110	511	514	525	rBV	70969	120783	2.11%	0.236%
4	5.492	575	579	608	rBV	3027543	4100164	71.54%	8.001%
5	6.504	747	751	769	rBV	2966152	4036465	70.43%	7.877%
6	6.639	769	774	793	rVB	3249213	3920128	68.40%	7.650%
7	6.863	809	812	834	rBV	909716	1061654	18.53%	2.072%
8	7.016	834	838	863	rBV	2631663	3093887	53.99%	6.038%
9	7.434	905	909	933	rBV	2228802	2837788	49.52%	5.538%
10	8.145	1027	1030	1056	rVB	928669	1420693	24.79%	2.772%
11	9.222	1208	1213	1222	rBV	3547387	3743432	65.32%	7.305%
12	9.286	1222	1224	1229	rVB	103950	99879	1.74%	0.195%
13	9.492	1254	1259	1264	rBV	43558	74626	1.30%	0.146%
14	9.563	1266	1271	1274	rVV2	72360	90349	1.58%	0.176%
15	9.616	1277	1280	1286	rVB	205794	248368	4.33%	0.485%
16	9.816	1311	1314	1318	rVB	212597	183755	3.21%	0.359%
17	9.904	1323	1329	1333	rVV2	1251439	1287242	22.46%	2.512%
18	9.939	1333	1335	1342	rVB	130888	161720	2.82%	0.316%
19	10.104	1360	1363	1367	rBV2	61185	87041	1.52%	0.170%
20	10.145	1367	1370	1373	rVB3	62701	89144	1.56%	0.174%
21	10.251	1386	1388	1393	rVB2	57875	63573	1.11%	0.124%
22	10.316	1393	1399	1407	rBV	356535	370508	6.47%	0.723%
23	10.457	1416	1423	1429	rBV3	74418	156732	2.73%	0.306%
24	10.539	1432	1437	1439	rBV3	76554	101357	1.77%	0.198%
25	10.616	1447	1450	1455	rVB4	63529	75688	1.32%	0.148%
26	10.698	1461	1464	1477	rBV	1411757	1874331	32.71%	3.658%
27	10.792	1477	1480	1489	rVB	317286	354380	6.18%	0.692%
28	11.239	1554	1556	1563	rVV	304696	277782	4.85%	0.542%
29	11.298	1563	1566	1570	rVB	63791	59534	1.04%	0.116%
30	11.398	1579	1583	1585	rBV	988145	964881	16.84%	1.883%
31	11.422	1585	1587	1594	rVV	893108	983112	17.15%	1.919%
32	11.480	1594	1597	1601	rVB	194862	199362	3.48%	0.389%
33	11.669	1626	1629	1632	rVB	236343	193728	3.38%	0.378%
34	11.733	1637	1640	1648	rVB2	59167	105162	1.83%	0.205%

LSC Area Percent Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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

35	11.904	1666	1669	1672	rBV2	240252	315242	5.50%	0.615%
36	11.933	1672	1674	1678	rVV	291310	282915	4.94%	0.552%
37	11.980	1680	1682	1685	rVV	89323	83806	1.46%	0.164%
38	12.016	1685	1688	1690	rVV2	204900	230510	4.02%	0.450%
39	12.039	1690	1692	1695	rVB	134947	115661	2.02%	0.226%
40	12.074	1695	1698	1701	rBV	217656	158362	2.76%	0.309%
41	12.139	1707	1709	1716	rVB4	49064	60039	1.05%	0.117%
42	12.198	1716	1719	1722	rBV2	114684	136289	2.38%	0.266%
43	12.239	1723	1726	1729	rVB4	78348	86413	1.51%	0.169%
44	12.463	1759	1764	1767	rBV2	200056	309144	5.39%	0.603%
45	12.551	1775	1779	1786	rVB4	71216	144006	2.51%	0.281%
46	12.621	1787	1791	1795	rBV	1010964	1041160	18.17%	2.032%
47	12.774	1813	1817	1818	rBV2	78370	101907	1.78%	0.199%
48	12.851	1823	1830	1835	rVV	966450	1195554	20.86%	2.333%
49	12.898	1835	1838	1845	rVB	96516	121551	2.12%	0.237%
50	12.986	1848	1853	1863	rVB	2202806	2325759	40.58%	4.539%
51	13.074	1863	1868	1872	rBV4	84038	152423	2.66%	0.297%
52	13.157	1878	1882	1883	rBV3	62625	73181	1.28%	0.143%
53	13.180	1884	1886	1891	rVB2	123071	172054	3.00%	0.336%
54	13.286	1900	1904	1907	rBV2	106454	125342	2.19%	0.245%
55	13.380	1917	1920	1922	rBV	81806	82091	1.43%	0.160%
56	13.410	1922	1925	1928	rBV2	73348	62111	1.08%	0.121%
57	13.533	1943	1946	1949	rBV	62498	65217	1.14%	0.127%
58	13.698	1971	1974	1980	rBV	121451	128395	2.24%	0.251%
59	13.804	1990	1992	1994	rBV	89524	79911	1.39%	0.156%
60	13.827	1994	1996	1998	rVB	80460	60667	1.06%	0.118%
61	13.863	1998	2002	2007	rBV3	441513	551146	9.62%	1.076%
62	13.910	2007	2010	2015	rVB	123768	152332	2.66%	0.297%
63	14.051	2028	2034	2037	rBV2	892235	1332481	23.25%	2.600%
64	14.080	2037	2039	2046	rVB	455405	446689	7.79%	0.872%
65	14.445	2096	2101	2105	rBV	107660	130980	2.29%	0.256%
66	14.486	2105	2108	2111	rBV2	52639	75283	1.31%	0.147%
67	14.574	2121	2123	2129	rVB3	45380	80235	1.40%	0.157%
68	14.798	2155	2161	2165	rBV4	83165	158232	2.76%	0.309%
69	15.121	2211	2216	2218	rBV	310074	488252	8.52%	0.953%
70	15.227	2231	2234	2242	rVB	72997	98923	1.73%	0.193%
71	15.433	2265	2269	2276	rVB	181716	235024	4.10%	0.459%

LSC Area Percent Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
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Integration Parameters: rteint.p
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Sampling : 1 Min Area: 3 % of largest Peak
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72	15.498	2276	2280	2286	rBV	250729	365242	6.37%	0.713%
73	15.562	2286	2291	2295	rBV	393774	533898	9.32%	1.042%
74	17.098	2546	2552	2560	rVB	94320	199300	3.48%	0.389%
75	17.568	2627	2632	2638	rBV2	61498	133911	2.34%	0.261%

Sum of corrected areas: 51242645

LSC Report - Integrated Chromatogram

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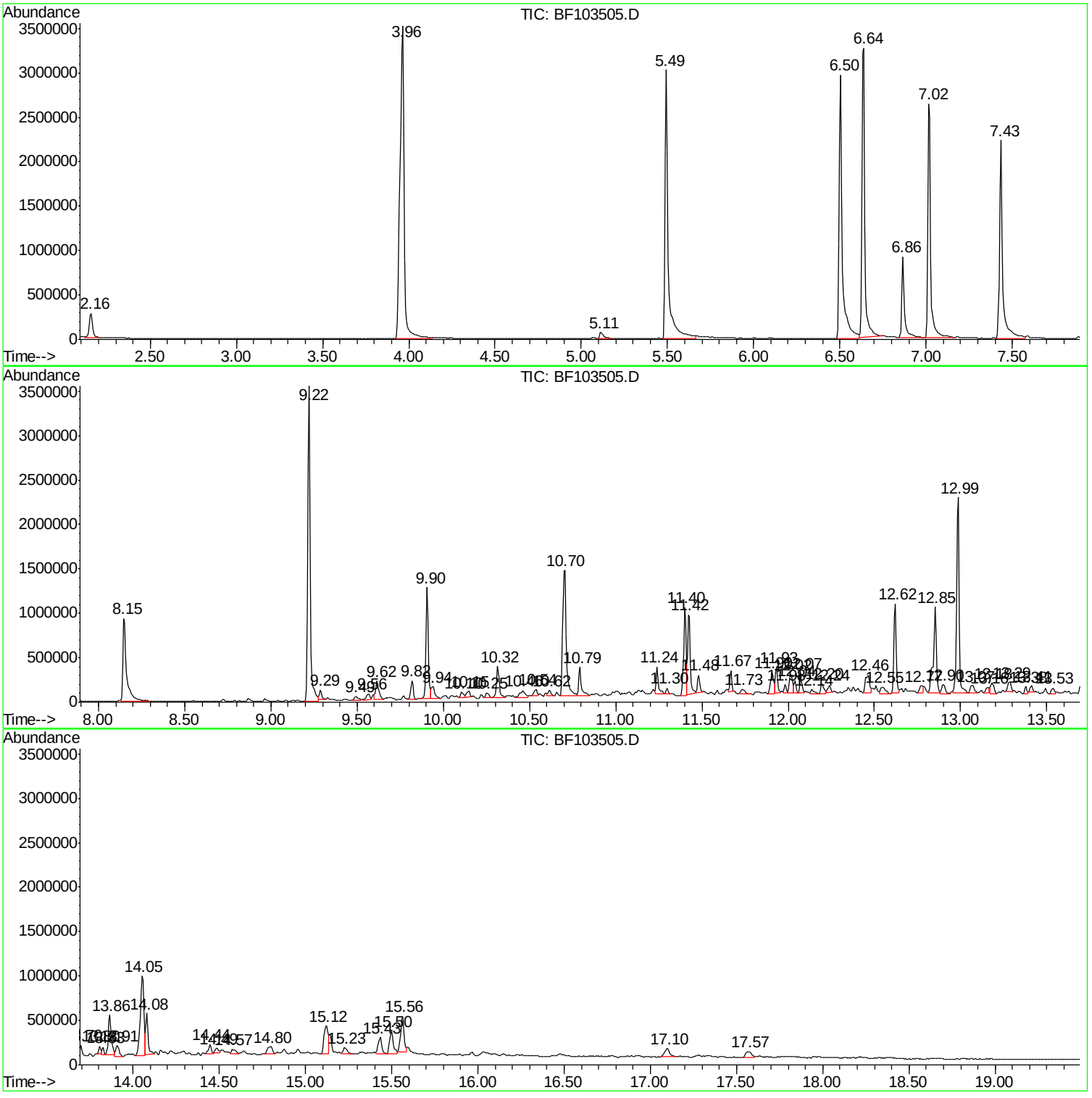
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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\BF030718\
Data File : BF103505.D
Acq On : 7 Mar 2018 17:07
Operator : SJ/JU
Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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

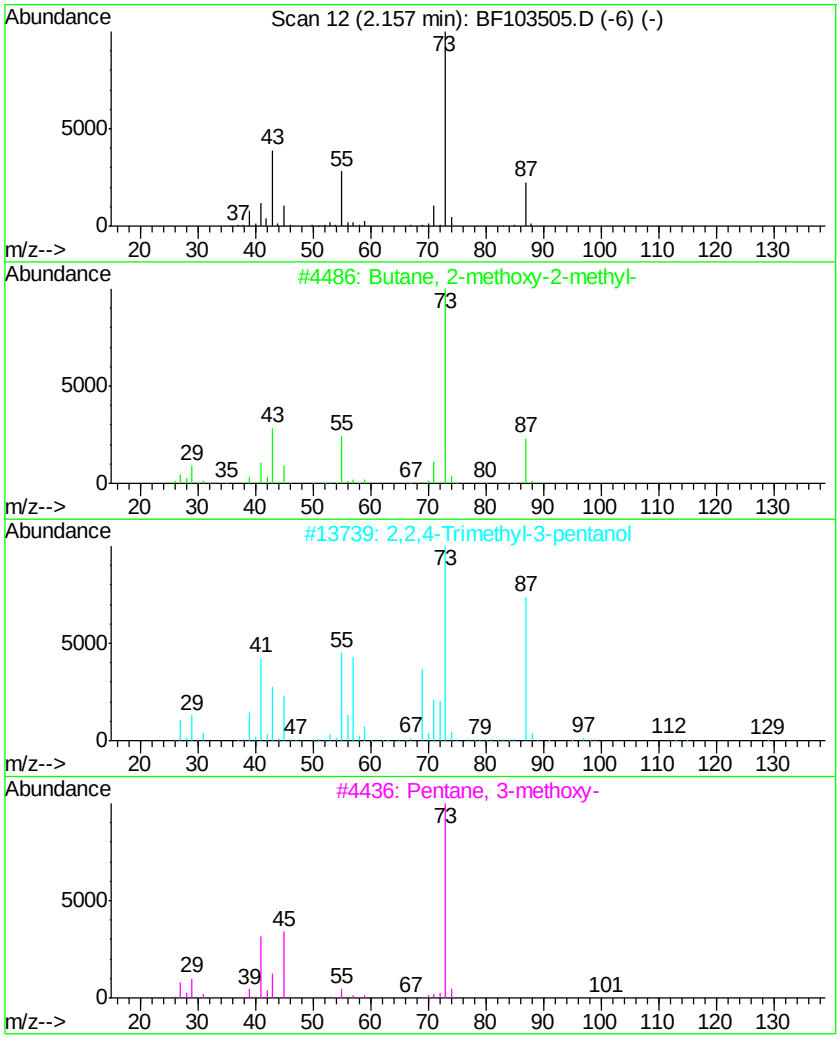
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

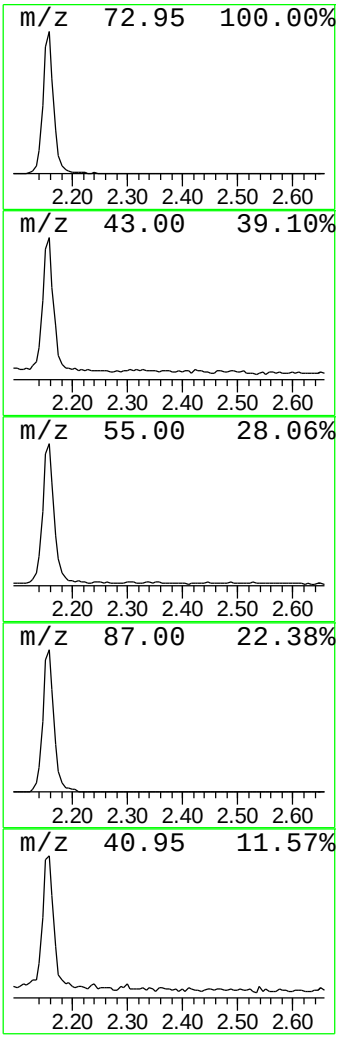
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	7.21 ng	382855	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





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Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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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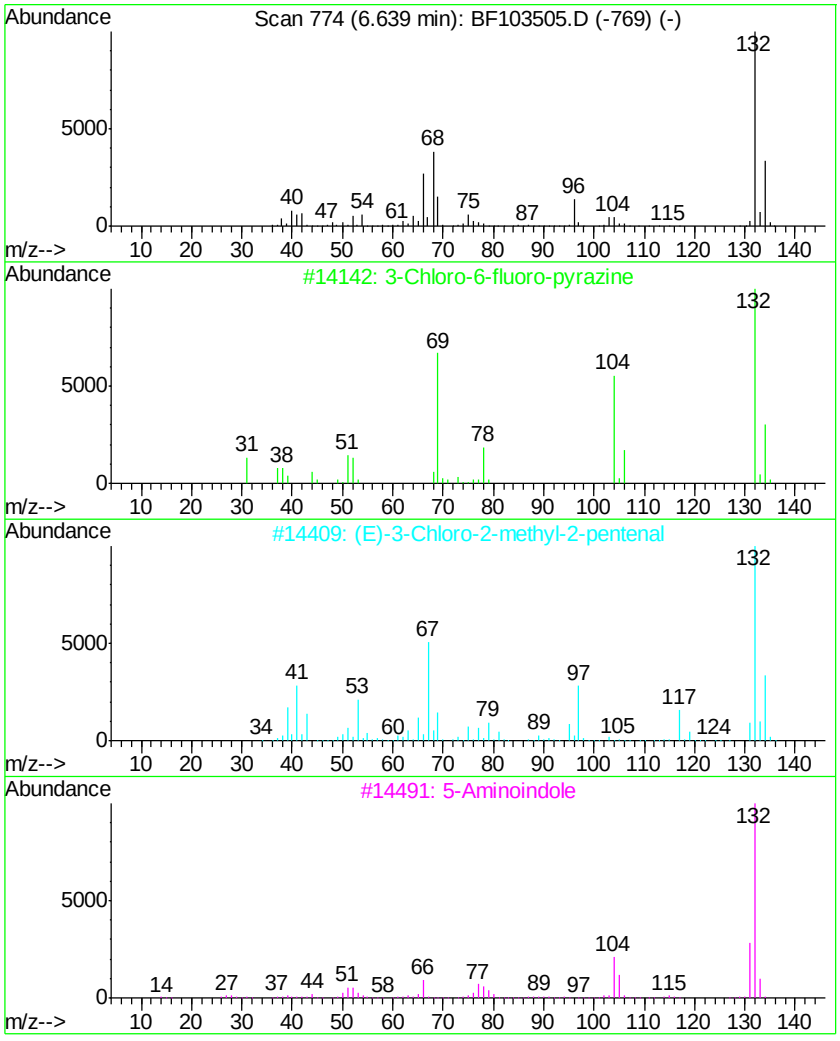
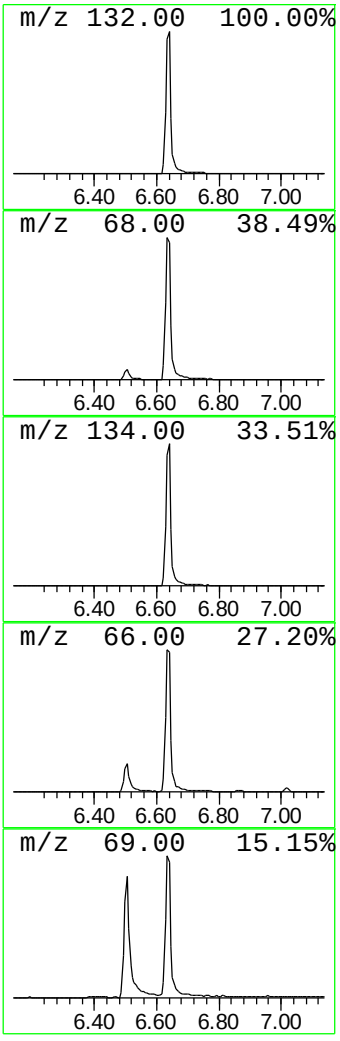
Peak Number 3 unknown6.64 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	73.85 ng	3920130	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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
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Acq On : 7 Mar 2018 17:07
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Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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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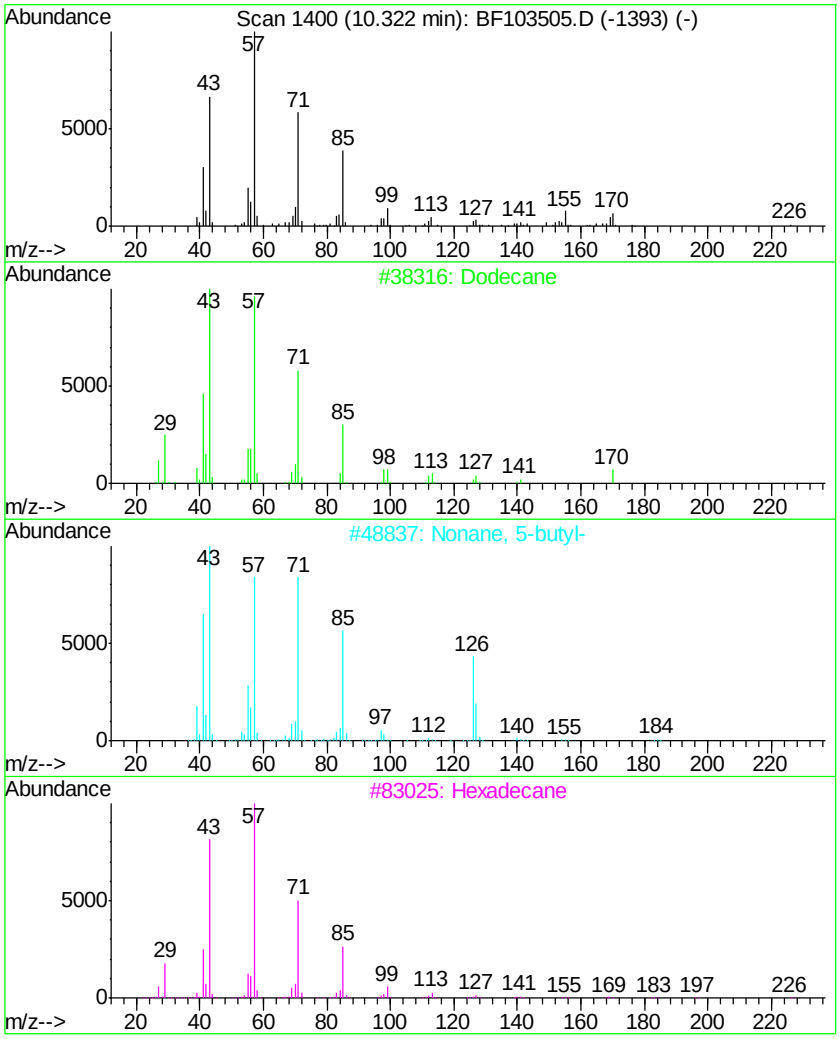
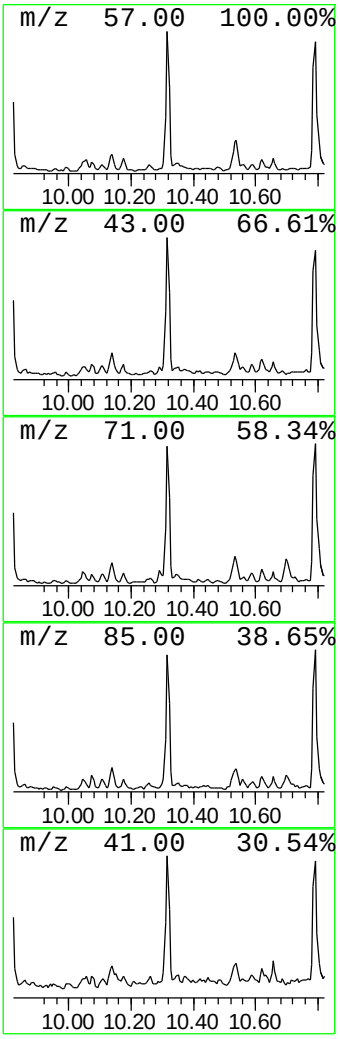
Peak Number 6 Dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	5.76 ng	370508	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	86
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	86
3	Hexadecane	226	C16H34	000544-76-3	83
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	81
5	Tridecane	184	C13H28	000629-50-5	80





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Instrument : BNA_F
ClientSampleId : COMP-1

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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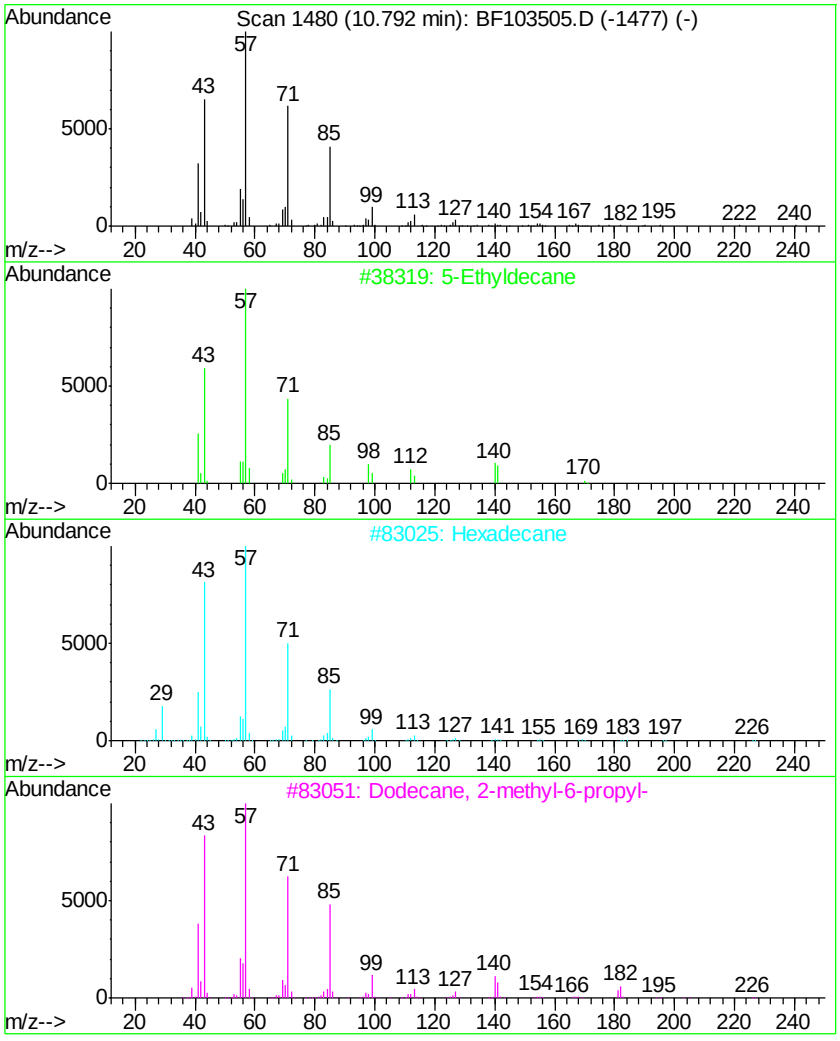
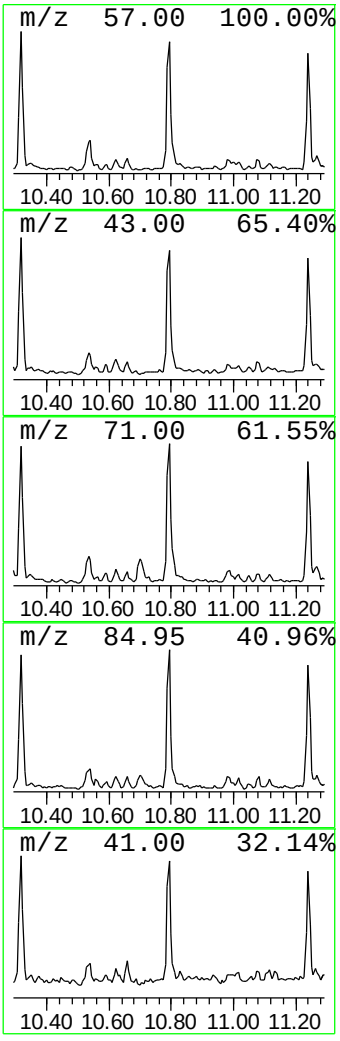
Peak Number 7 5-Ethyldecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	7.35 ng	354380	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	90
2	Hexadecane	226	C16H34	000544-76-3	80
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80
5	Heptacosane	380	C27H56	000593-49-7	78





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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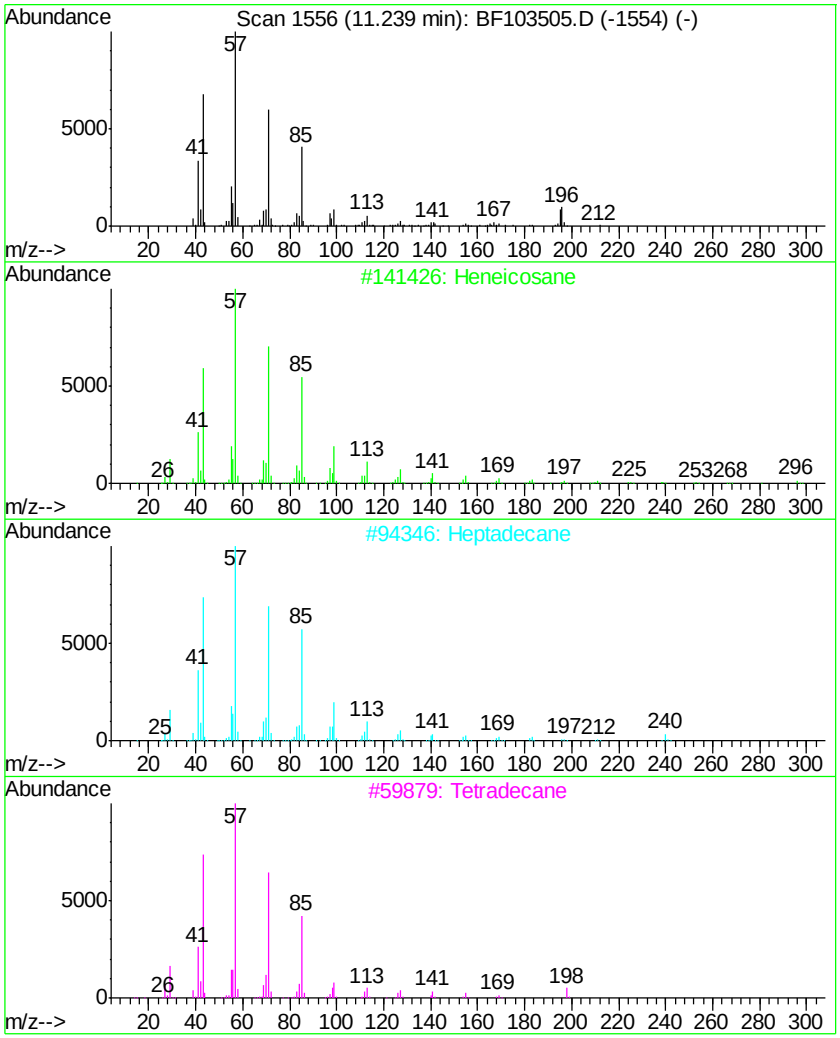
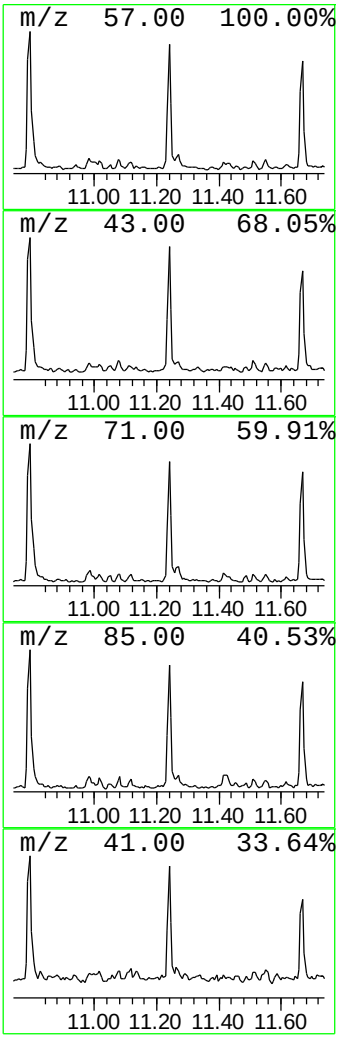
Peak Number 8 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	5.76 ng	277782	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	80
2	Heptadecane	240	C17H36	000629-78-7	72
3	Tetradecane	198	C14H30	000629-59-4	72
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
5	Pentadecane	212	C15H32	000629-62-9	72





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Misc :
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Instrument : BNA_F
ClientSampleId : COMP-1

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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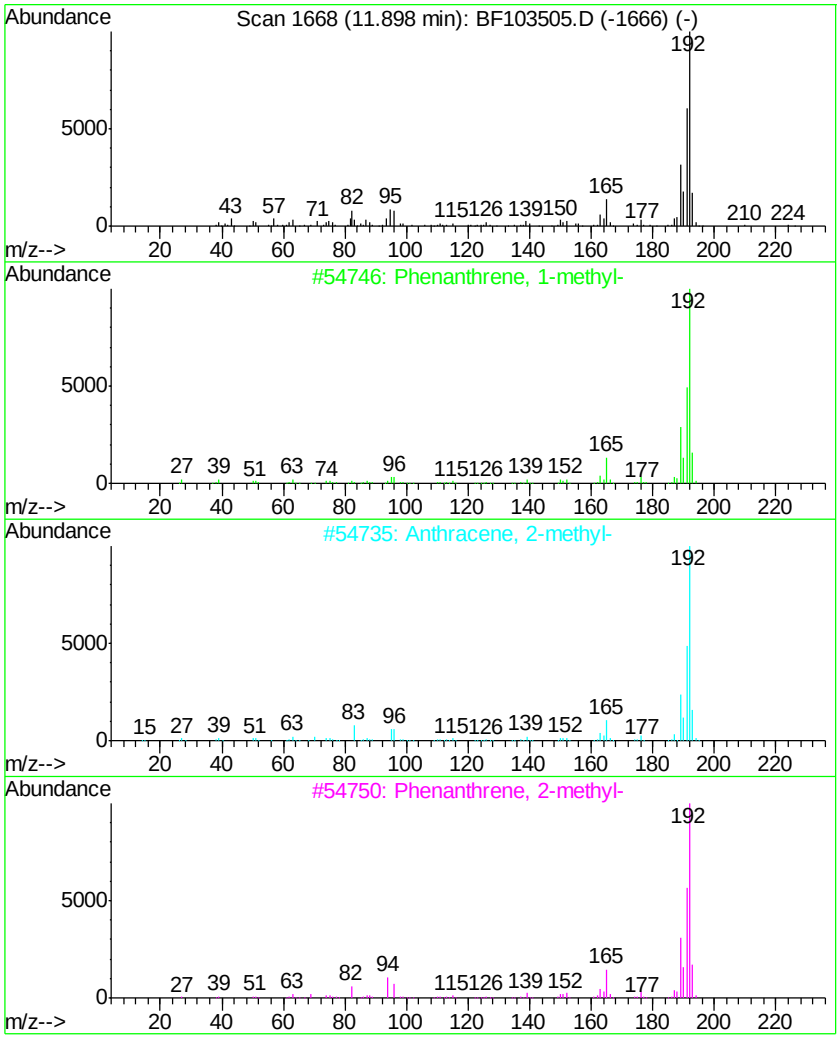
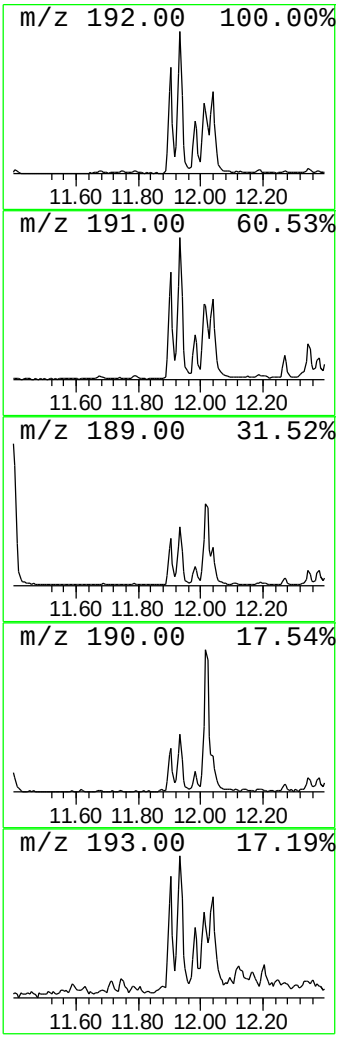
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.53 ng	315242	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Acq On : 7 Mar 2018 17:07
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Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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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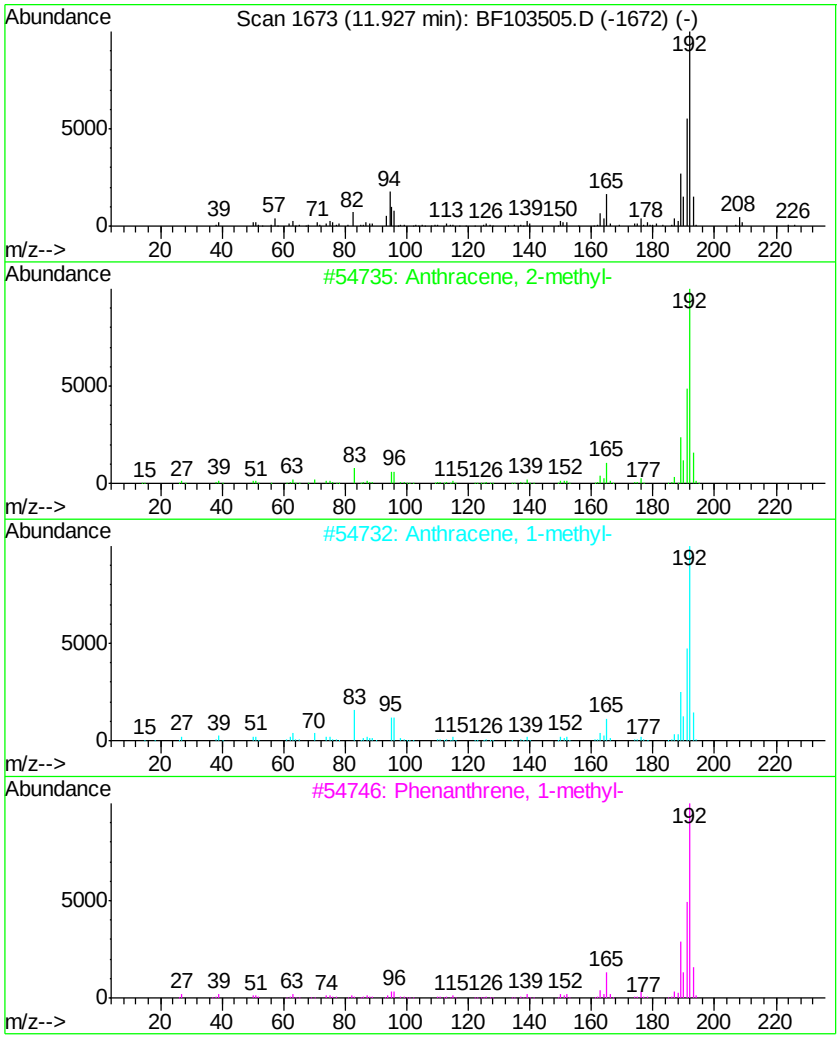
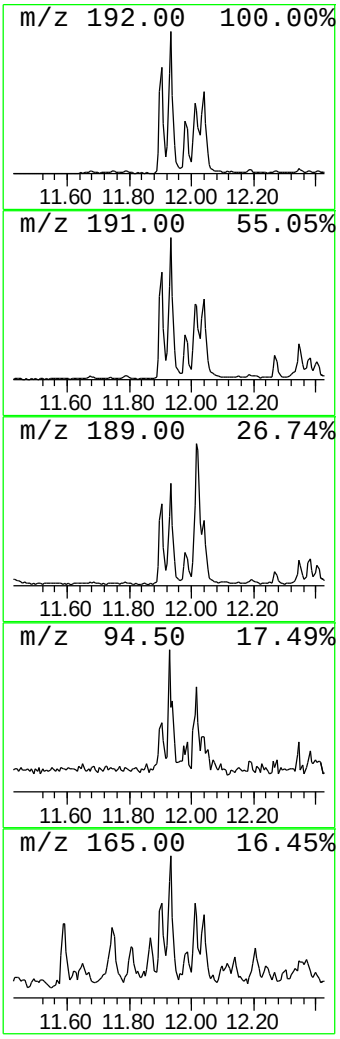
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.86 ng	282915	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





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Data File : BF103505.D
Acq On : 7 Mar 2018 17:07
Operator : SJ/JU
Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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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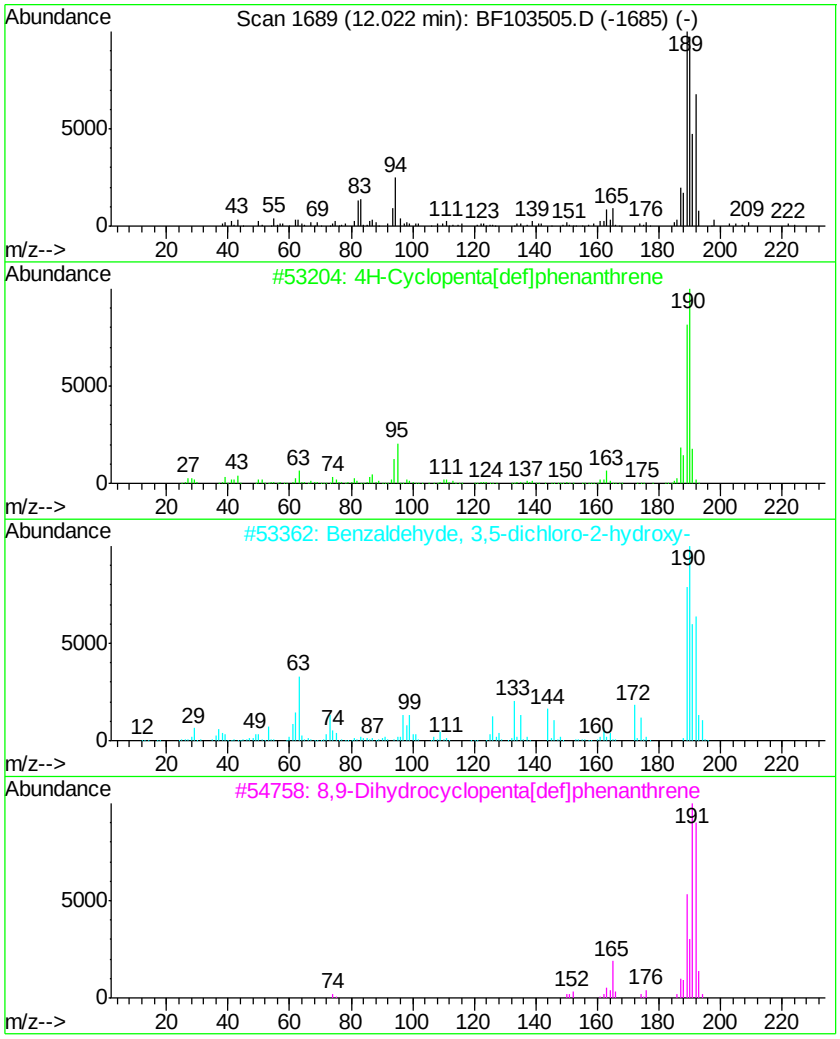
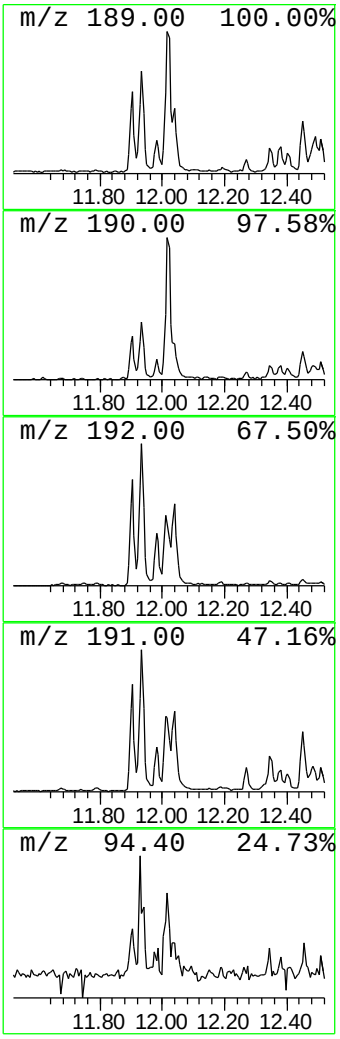
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.78 ng	230510	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	35





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : COMP-1

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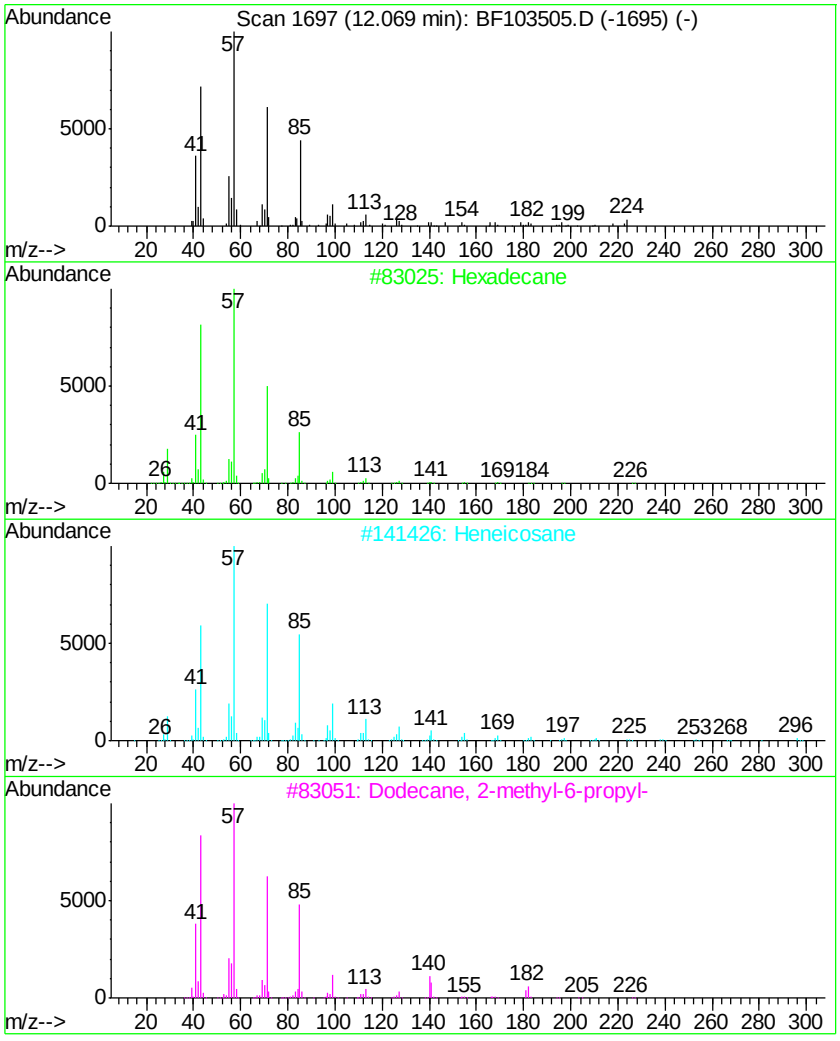
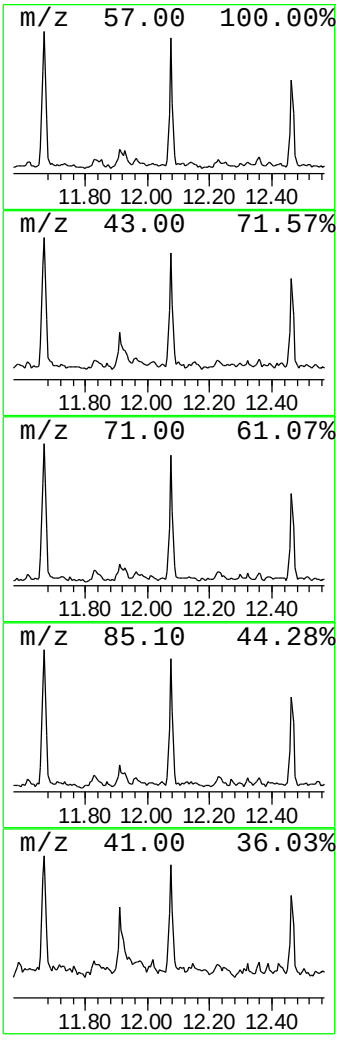
Peak Number 13 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.28 ng	158362	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
4	Heptacosane	380	C27H56	000593-49-7	87
5	Octacosane	394	C28H58	000630-02-4	83





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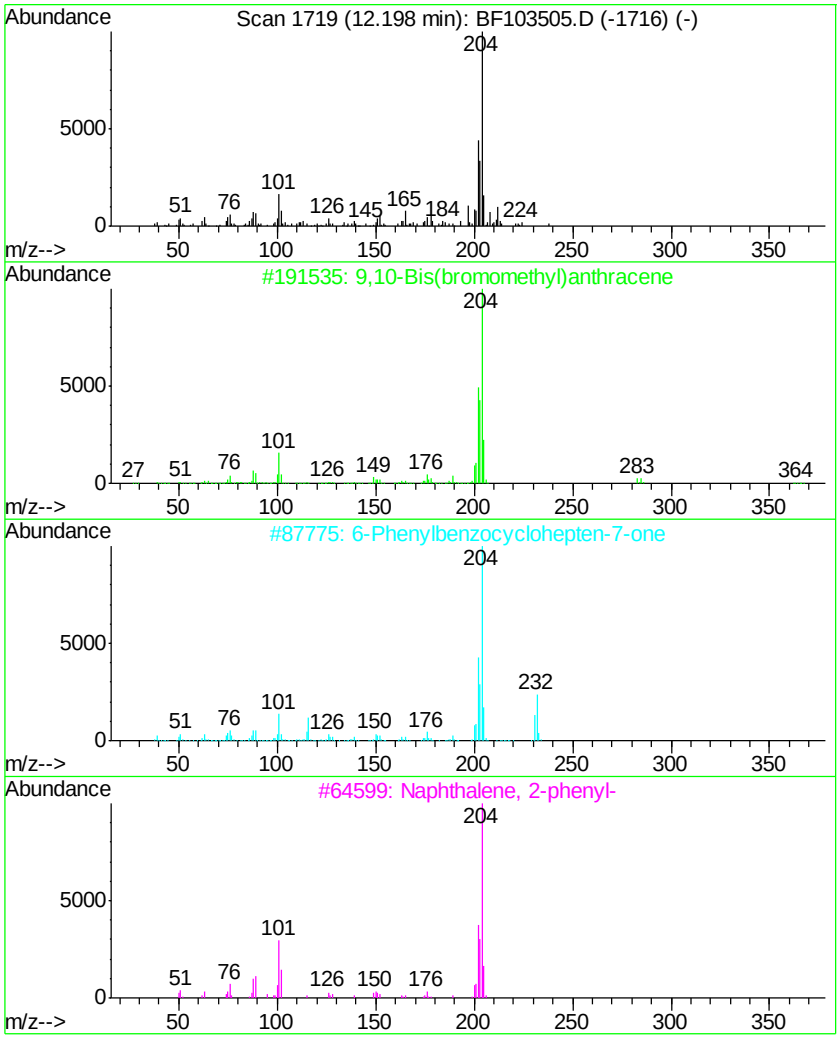
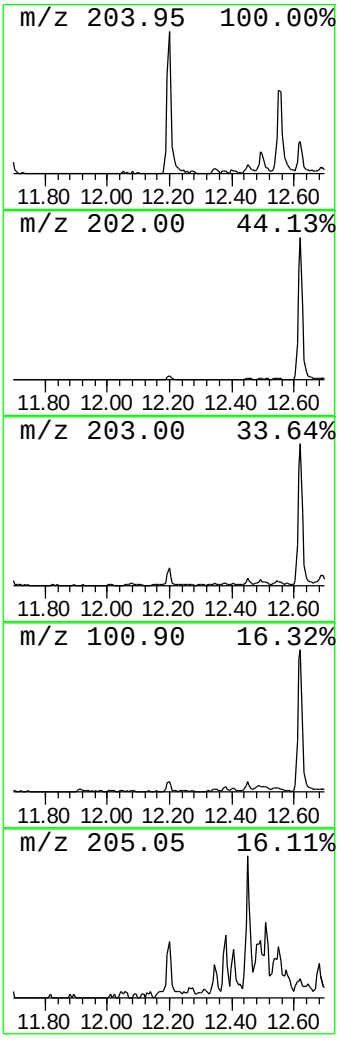
Peak Number 14 9,10-Bis(bromomethyl)anthra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.82 ng	136289	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Instrument : BNA_F
ClientSampleId : COMP-1

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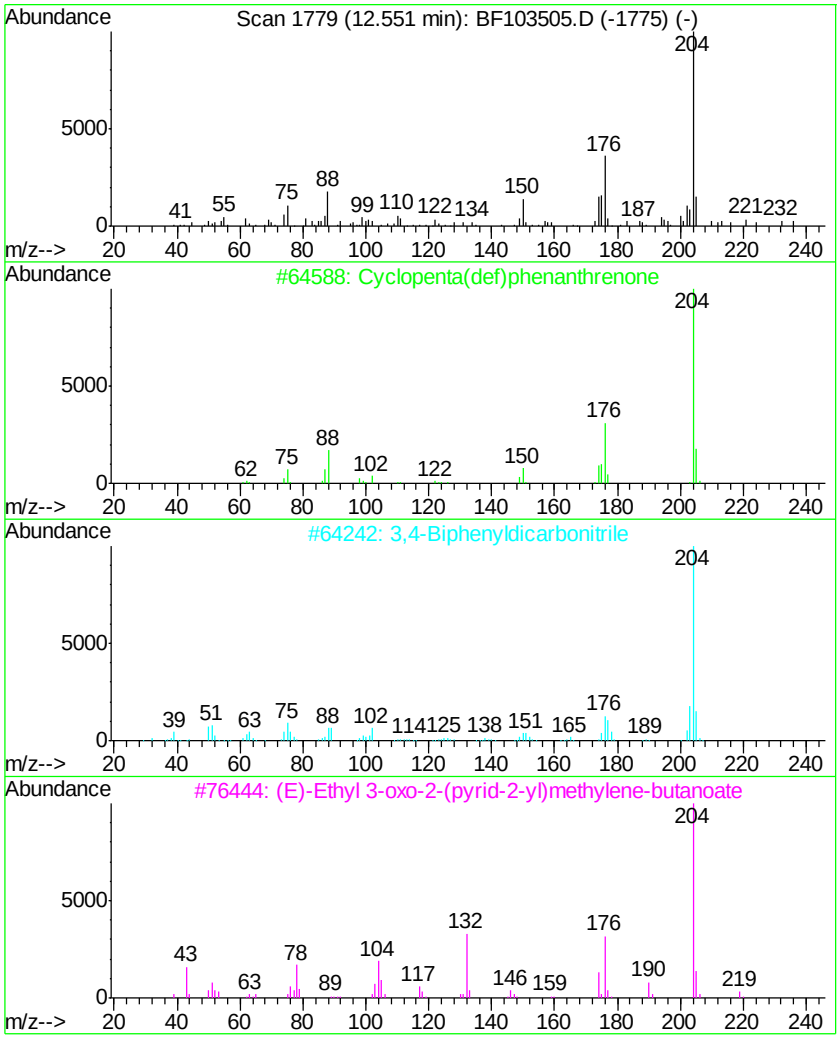
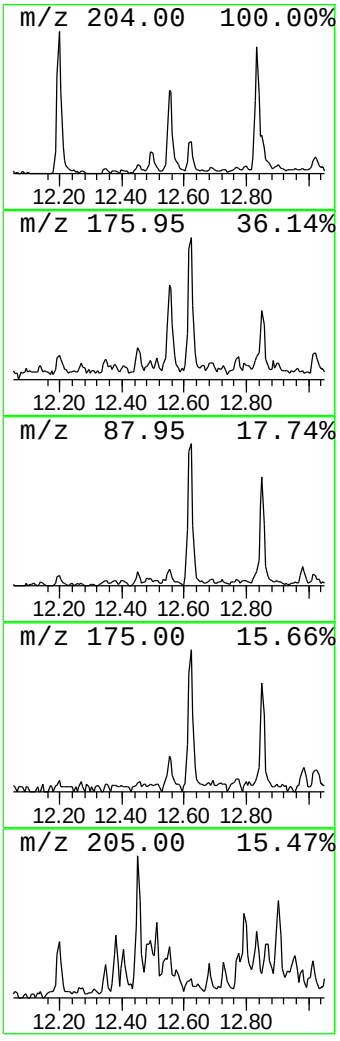
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.98 ng	144006	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	53
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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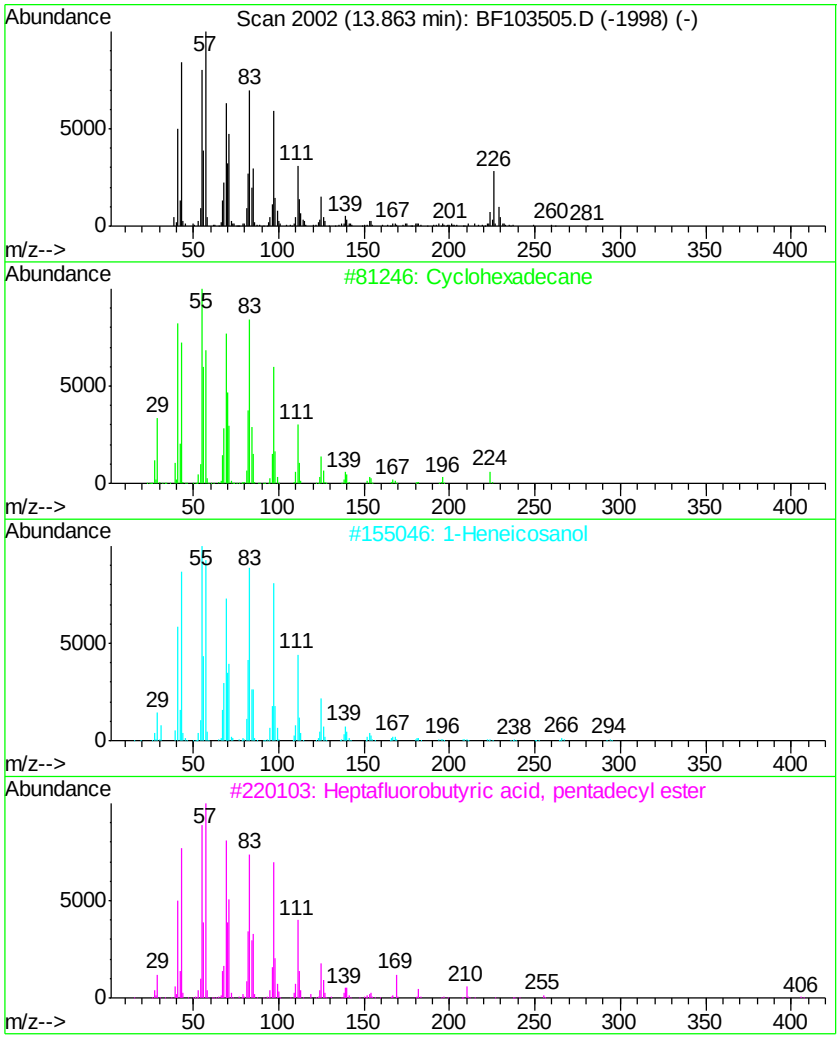
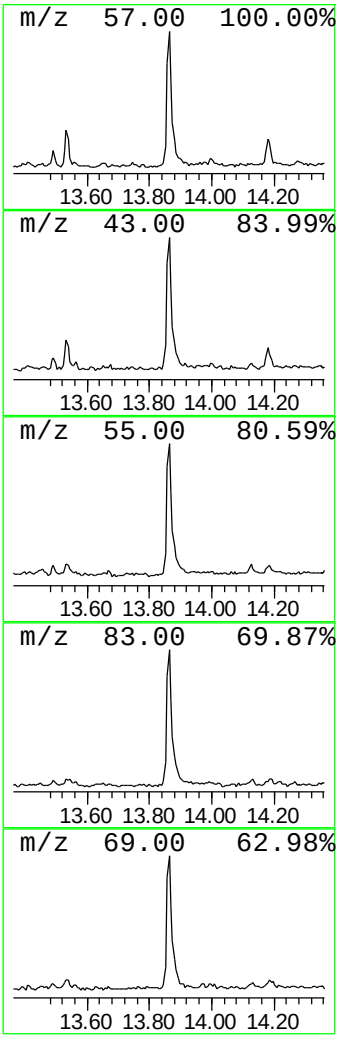
Peak Number 17 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	8.27 ng	551146	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





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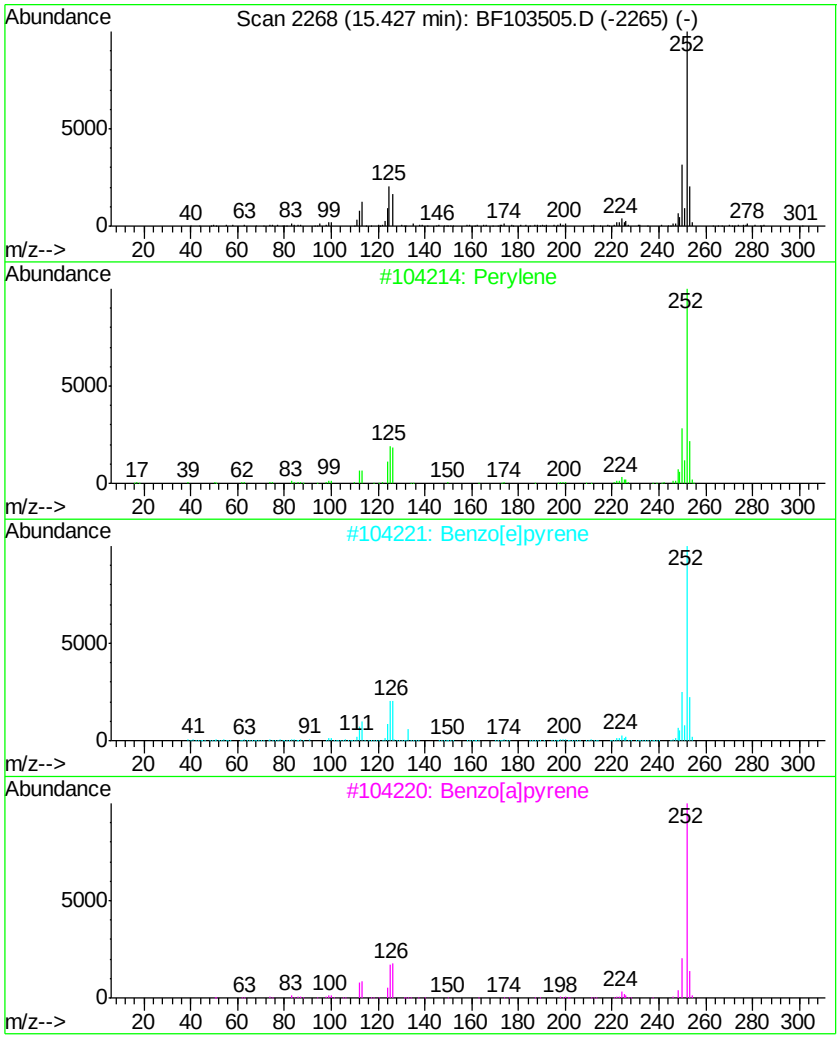
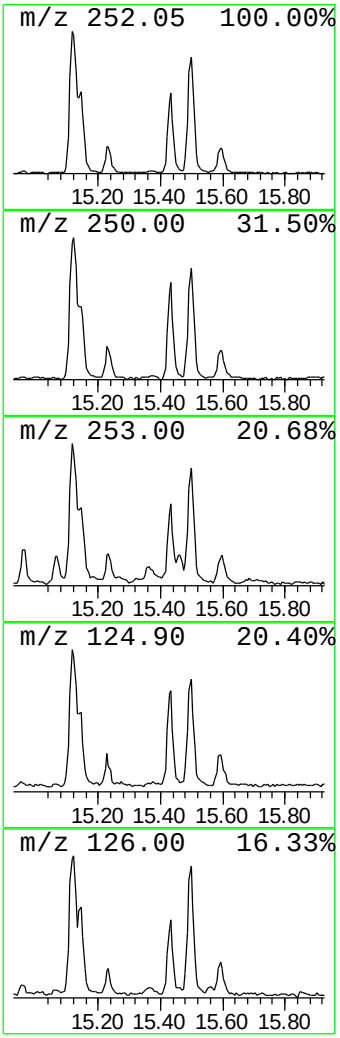
Peak Number 19 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.80 ng	235024	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

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Data File : BF103505.D
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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
Butane, 2-methoxy...	2.16	7.2	ng	382855	1	6.86	1061650	20.0
unknown6.64	6.64	73.8	ng	3920130	1	6.86	1061650	20.0
Dodecane	10.32	5.8	ng	370508	3	9.90	1287240	20.0
5-Ethyldecane	10.79	7.3	ng	354380	4	11.40	964881	20.0
Heneicosane	11.24	5.8	ng	277782	4	11.40	964881	20.0
Phenanthrene, 1-m...	11.90	6.5	ng	315242	4	11.40	964881	20.0
Anthracene, 2-met...	11.93	5.9	ng	282915	4	11.40	964881	20.0
4H-Cyclopenta[def...	12.02	4.8	ng	230510	4	11.40	964881	20.0
Hexadecane	12.07	3.3	ng	158362	4	11.40	964881	20.0
9,10-Bis(bromomet...	12.20	2.8	ng	136289	4	11.40	964881	20.0
Cyclopenta(def)ph...	12.55	3.0	ng	144006	4	11.40	964881	20.0
Cyclohexadecane	13.86	8.3	ng	551146	5	14.06	1332480	20.0
Perylene	15.43	8.8	ng	235024	6	15.56	533898	20.0