LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085744.D
Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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-BF032416.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	3.738	120	127	135	rVB	73123	132742	4.63%	0.283%
2	4.996	234	237	247	rBV	580893	942920	32.89%	2.010%
3	5.384	268	271	272	rBV	135315	151517	5.29%	0.323%
4	5.419	272	274	277	rVB	1837758	2273223	79.30%	4.847%
5	5.647	293	294	297	rVB	115268	111218	3.88%	0.237%
6	5.830	307	310	312	rBV	84414	97610	3.41%	0.208%
7	6.344	354	355	357	rBV	88932	83562	2.91%	0.178%
8	6.459	363	365	368	rVV	2066579	2256181	78.70%	4.810%
9	6.596	374	377	379	rVV	2249239	2688381	93.78%	5.732%
10	6.653	379	382	385	rVB2	115731	209137	7.30%	0.446%
11	6.824	395	397	401	rBV	762737	735540	25.66%	1.568%
12	6.882	401	402	406	rVB3	73583	73748	2.57%	0.157%
13	6.984	408	411	413	rBV	1586961	2083098	72.67%	4.441%
14	7.099	415	421	423	rVB2	60491	106783	3.73%	0.228%
15	7.144	423	425	429	rBV2	68249	116633	4.07%	0.249%
16	7.213	429	431	433	rBV2	66101	80497	2.81%	0.172%
17	7.396	444	447	448	rVB	1133503	1552783	54.17%	3.311%
18	7.430	448	450	451	rVB2	143941	175785	6.13%	0.375%
19	7.727	473	476	478	rBV3	36638	89120	3.11%	0.190%
20	7.853	483	487	490	rBV3	86853	177167	6.18%	0.378%
21	7.910	490	492	496	rVB3	43152	87964	3.07%	0.188%
22	8.105	506	509	513	rBV3	893972	1585456	55.31%	3.380%
23	8.173	513	515	519	rVB2	156908	209143	7.30%	0.446%
24	8.402	531	535	538	rBV3	75520	148168	5.17%	0.316%
25	8.493	541	543	545	rVB2	72611	72754	2.54%	0.155%
26	8.539	545	547	549	rBV2	141505	203740	7.11%	0.434%
27	8.699	560	561	564	rVV	204014	256141	8.94%	0.546%
28	8.768	564	567	568	rVV2	37877	71683	2.50%	0.153%
29	8.825	568	572	573	rVB	484046	469145	16.37%	1.000%
30	8.916	578	580	582	rVV	298042	312876	10.91%	0.667%
31	9.133	598	599	601	rVB	202938	156882	5.47%	0.334%
32	9.190	601	604	606	rBV	2619429	2866633	100.00%	6.112%
33	9.270	608	611	615	rBV2	300558	464668	16.21%	0.991%
34	9.385	619	621	624	rVB	86666	111629	3.89%	0.238%

LSC Area Percent Report

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Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.453	624	627	629	rBV	178751	264359	9.22%	0.564%
36	9.522	629	633	634	rBV	308401	321454	11.21%	0.685%
37	9.545	634	635	636	rVV	215311	183474	6.40%	0.391%
38	9.579	636	638	642	rVB2	328019	413575	14.43%	0.882%
39	9.636	642	643	648	rVB2	163611	197248	6.88%	0.421%
40	9.716	648	650	653	rVB2	99899	139098	4.85%	0.297%
41	9.796	656	657	659	rVB	320526	234178	8.17%	0.499%
42	9.865	659	663	664	rBV	886099	1100282	38.38%	2.346%
43	9.888	664	665	667	rVV	300644	383550	13.38%	0.818%
44	9.968	670	672	674	rVB	115458	148726	5.19%	0.317%
45	10.025	674	677	679	rBV4	69180	187107	6.53%	0.399%
46	10.059	679	680	683	rBV	301250	397675	13.87%	0.848%
47	10.105	683	684	689	rVB3	107967	179016	6.24%	0.382%
48	10.173	689	690	692	rBV	97986	136421	4.76%	0.291%
49	10.265	696	698	699	rBV2	124968	131410	4.58%	0.280%
50	10.288	699	700	702	rVB2	191169	243635	8.50%	0.519%
51	10.356	702	706	708	rVB4	46226	82576	2.88%	0.176%
52	10.402	708	710	714	rBV	350113	393681	13.73%	0.839%
53	10.471	714	716	717	rBV	62472	84045	2.93%	0.179%
54	10.516	719	720	723	rVV2	157778	139619	4.87%	0.298%
55	10.562	723	724	726	rVB	163384	150958	5.27%	0.322%
56	10.653	729	732	734	rBV	1378352	1615518	56.36%	3.444%
57	10.779	739	743	746	rVB	391126	646941	22.57%	1.379%
58	10.951	755	758	760	rBV3	94461	182475	6.37%	0.389%
59	11.042	764	766	768	rBV	393263	369913	12.90%	0.789%
60	11.088	768	770	774	rVB4	89477	154853	5.40%	0.330%
61	11.156	774	776	777	rBV	93443	110319	3.85%	0.235%
62	11.213	777	781	782	rBV3	236174	292542	10.21%	0.624%
63	11.236	782	783	786	rVB	154653	224379	7.83%	0.478%
64	11.339	790	792	793	rBV	646727	760064	26.51%	1.621%
65	11.362	793	794	796	rVV	588613	775799	27.06%	1.654%
66	11.419	796	799	801	rVB	572932	484050	16.89%	1.032%
67	11.453	801	802	804	rBV	72149	76927	2.68%	0.164%
68	11.579	811	813	816	rBV2	64473	102535	3.58%	0.219%
69	11.636	816	818	820	rBV	168735	167091	5.83%	0.356%
70	11.842	834	836	837	rBV	129735	129911	4.53%	0.277%
71	11.876	837	839	841	rVV	274152	299605	10.45%	0.639%

LSC Area Percent Report

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Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.922	841	843	844	rVV2	78041	93020	3.24%	0.198%
73	11.956	844	846	850	rVB2	388452	486337	16.97%	1.037%
74	12.048	852	854	856	rVB	138798	124383	4.34%	0.265%
75	12.139	861	862	863	rBV	121122	98396	3.43%	0.210%
76	12.322	877	878	883	rVB	105947	164284	5.73%	0.350%
77	12.402	883	885	886	rBV	87623	118157	4.12%	0.252%
78	12.436	886	888	891	rVB2	156255	193361	6.75%	0.412%
79	12.482	891	892	896	rBV	142932	147366	5.14%	0.314%
80	12.562	896	899	901	rBV	1558392	1509634	52.66%	3.219%
81	12.619	901	904	905	rVB2	49525	71475	2.49%	0.152%
82	12.779	915	918	922	rVB	885785	1316307	45.92%	2.807%
83	12.928	928	931	933	rBV	1955594	1816419	63.36%	3.873%
84	13.008	935	938	941	rBV4	88557	194685	6.79%	0.415%
85	13.111	945	947	949	rVB	206632	218817	7.63%	0.467%
86	13.179	949	953	954	rBV2	144953	259611	9.06%	0.554%
87	13.214	954	956	960	rVB2	120695	192393	6.71%	0.410%
88	13.499	979	981	983	rBV	166285	193082	6.74%	0.412%
89	13.728	999	1001	1002	rBV2	86259	81902	2.86%	0.175%
90	13.831	1008	1010	1015	rVB2	386870	502049	17.51%	1.070%
91	13.979	1020	1023	1029	rVB2	751251	1695255	59.14%	3.614%
92	14.139	1035	1037	1039	rBV2	115232	177859	6.20%	0.379%
93	14.448	1062	1064	1066	rBV3	135028	183193	6.39%	0.391%
94	14.997	1110	1112	1116	rBV	428922	794126	27.70%	1.693%
95	15.282	1135	1137	1140	rVB	237663	280146	9.77%	0.597%
96	15.340	1140	1142	1145	rVV	288370	460991	16.08%	0.983%
97	15.408	1145	1148	1156	rVV2	394475	869149	30.32%	1.853%
98	15.522	1156	1158	1163	rVB3	151398	268161	9.35%	0.572%
99	16.060	1202	1205	1213	rVB	255333	719303	25.09%	1.534%
100	16.460	1238	1240	1247	rVB	310605	612529	21.37%	1.306%

Sum of corrected areas: 46901926

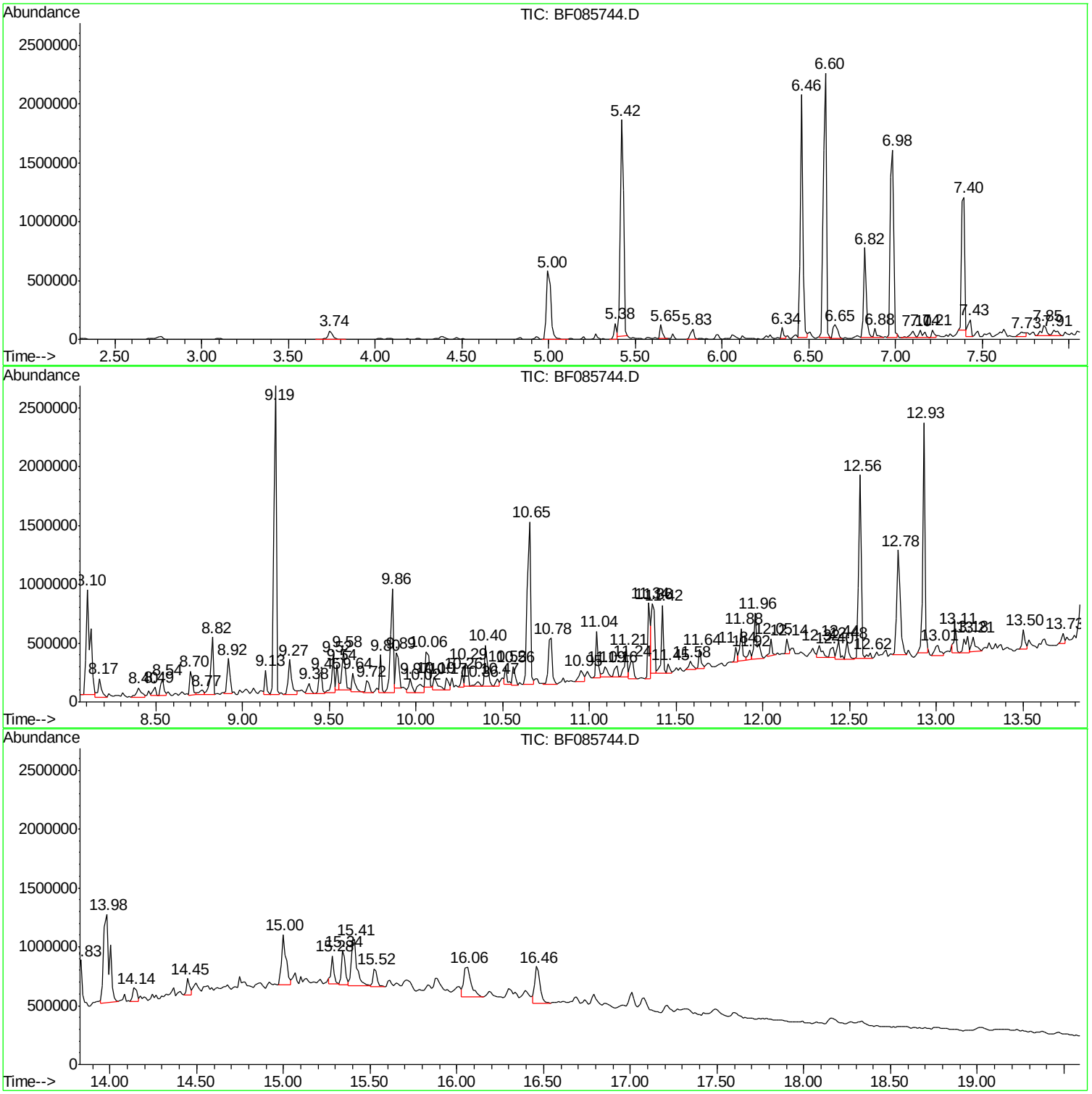
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085744.D
Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085744.D
Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

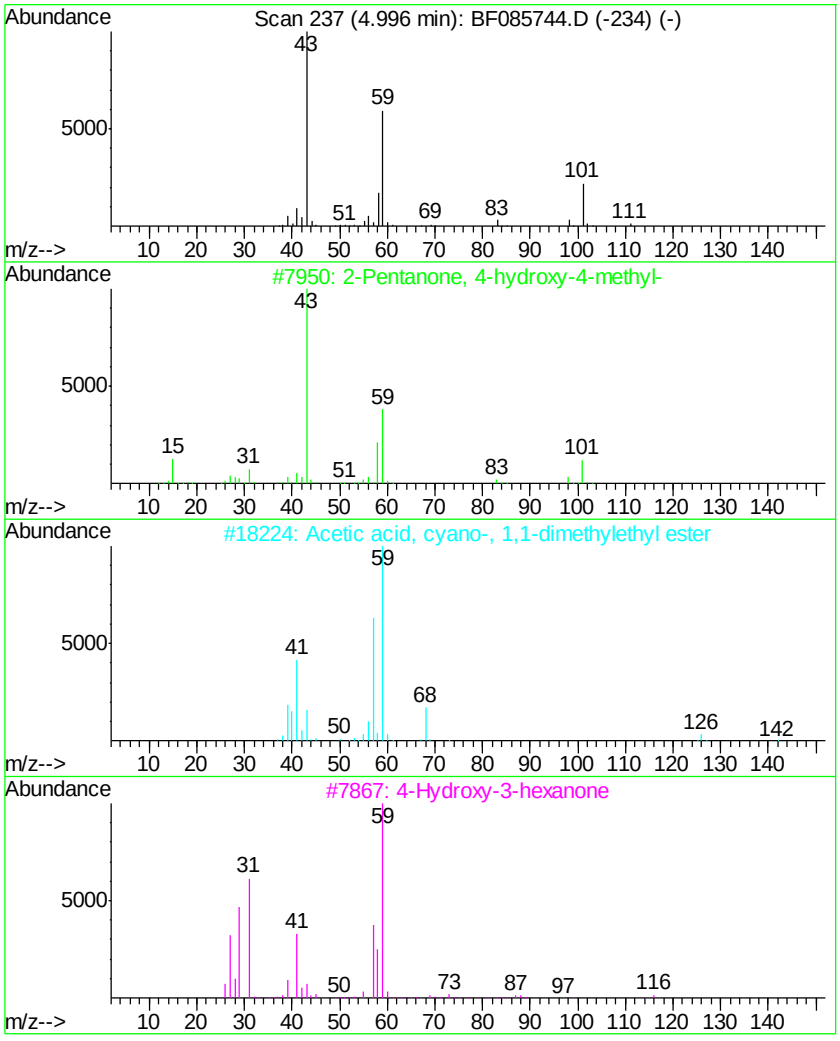
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

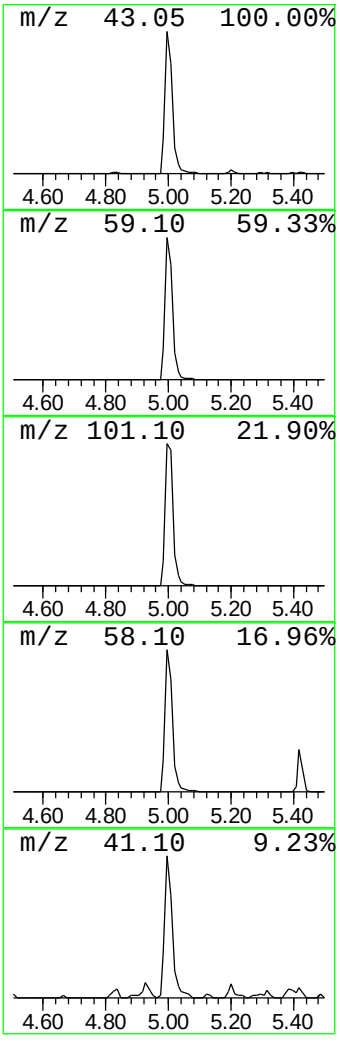
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	25.64 ng	942920	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
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Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

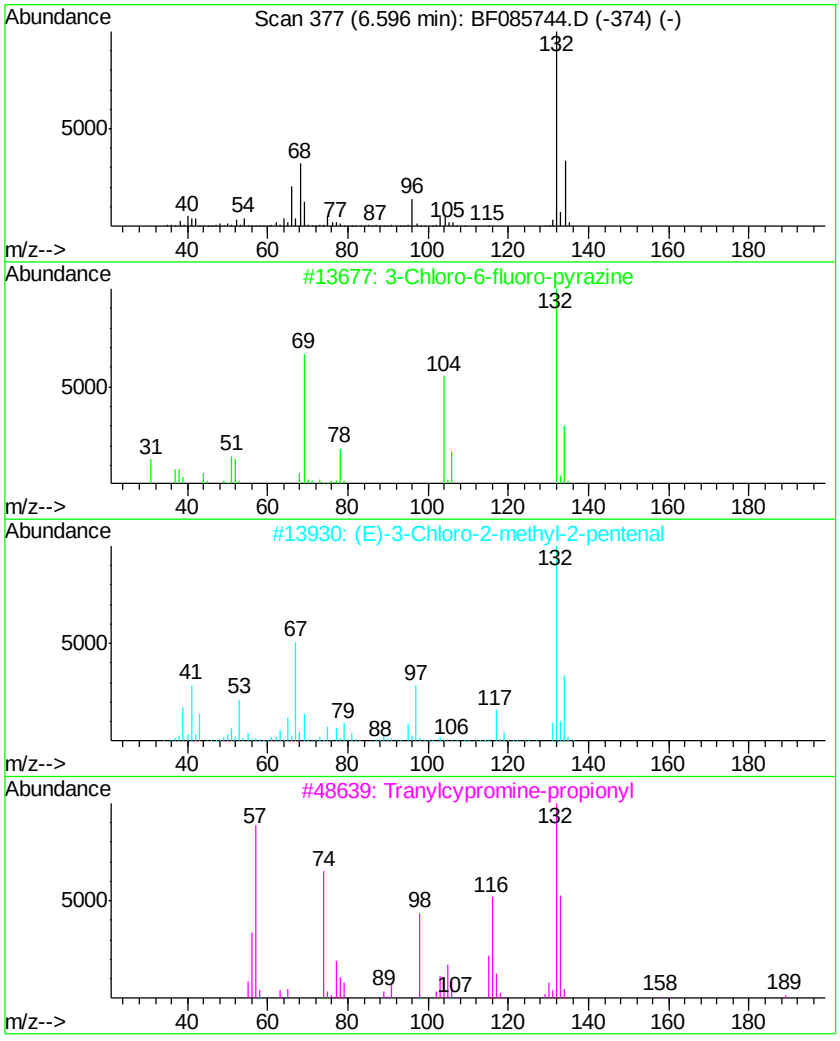
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

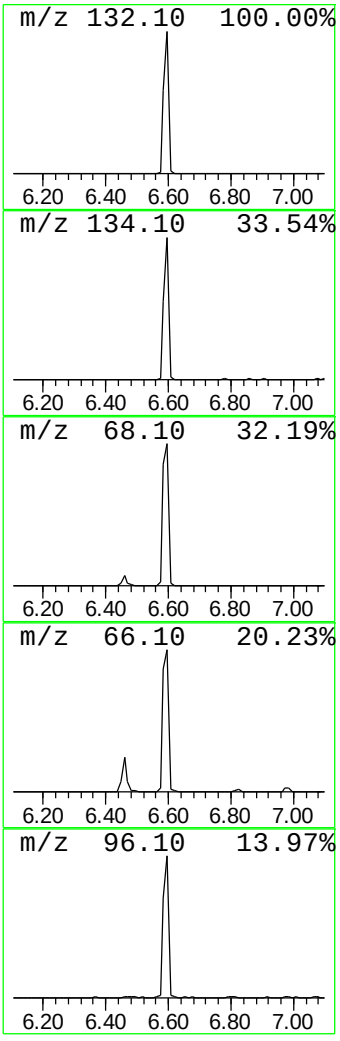
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	73.10 ng	2688380	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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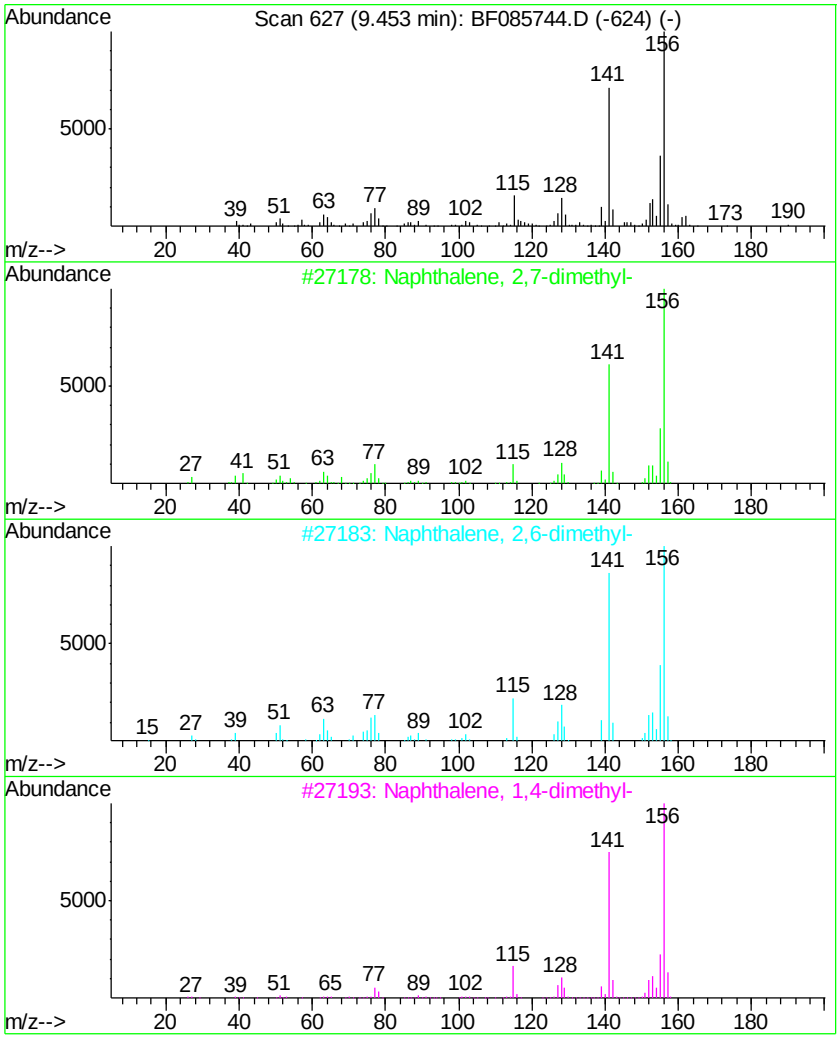
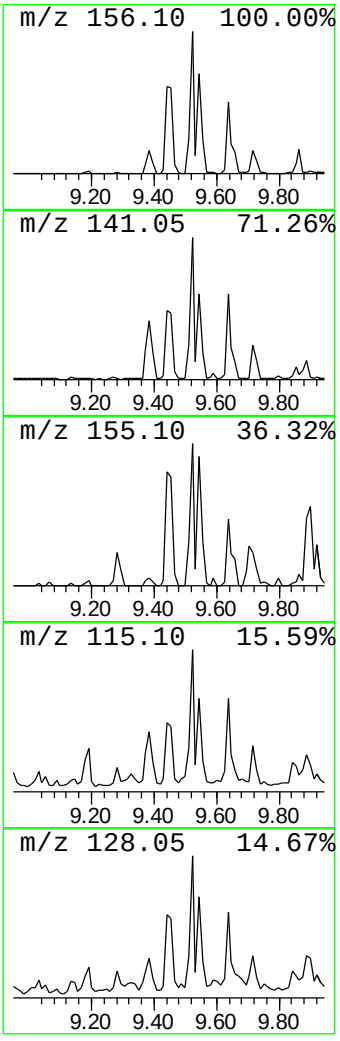
Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	4.81 ng	264359	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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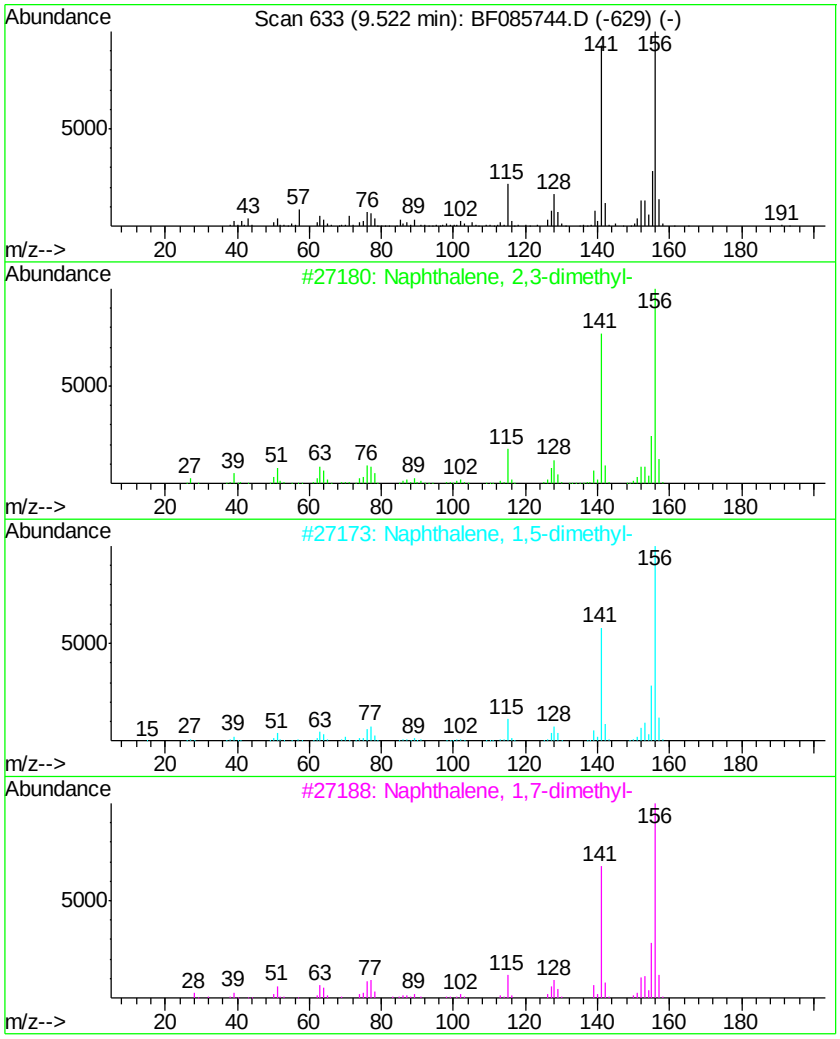
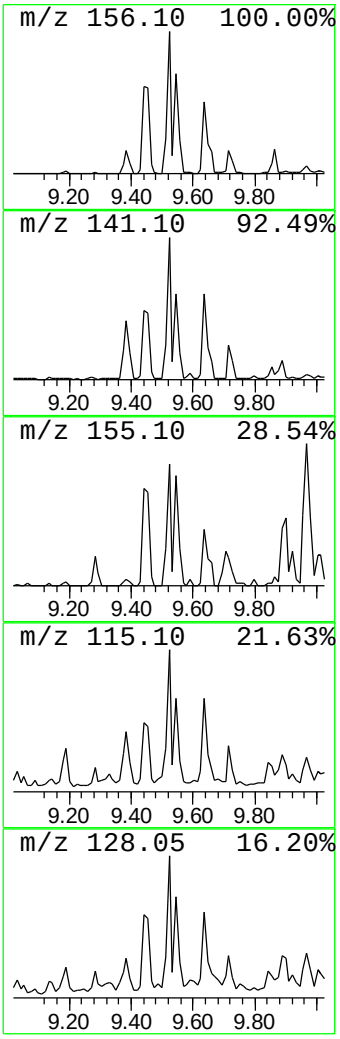
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	5.84 ng	321454	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085744.D
Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

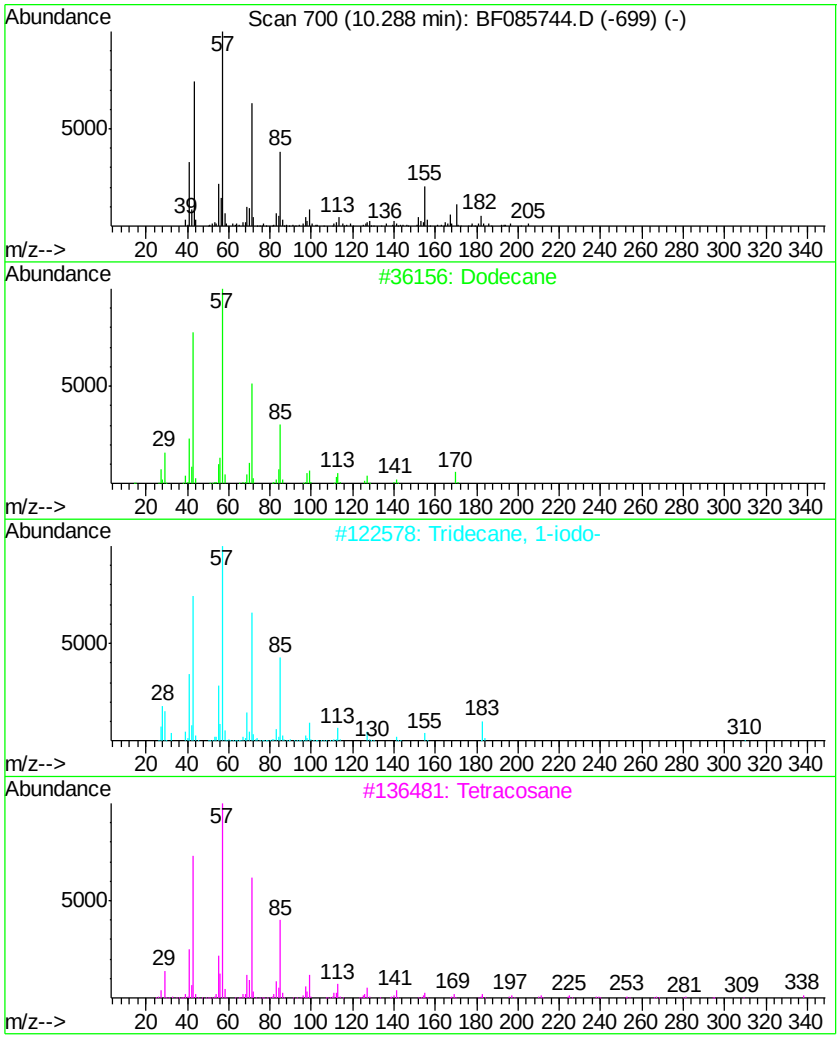
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

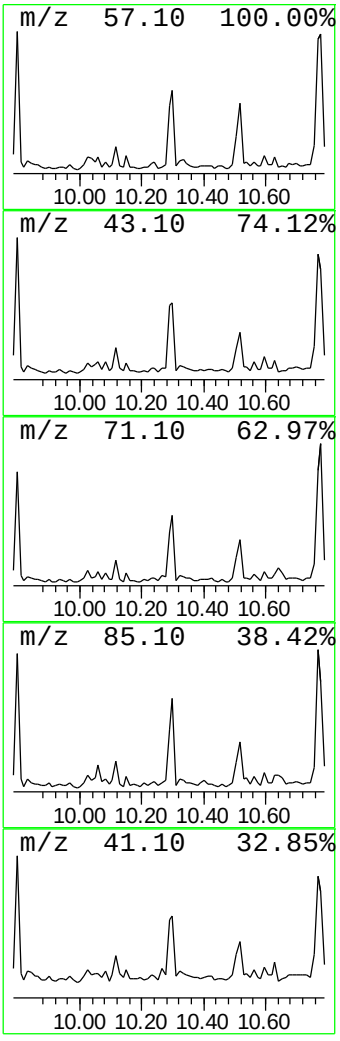
****

Peak Number 7 Dodecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	4.43 ng	243635	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	64
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	53
3	Tetracosane	338	C24H50	000646-31-1	50
4	Nonadecane	268	C19H40	000629-92-5	49
5	Hexadecane	226	C16H34	000544-76-3	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085744.D
Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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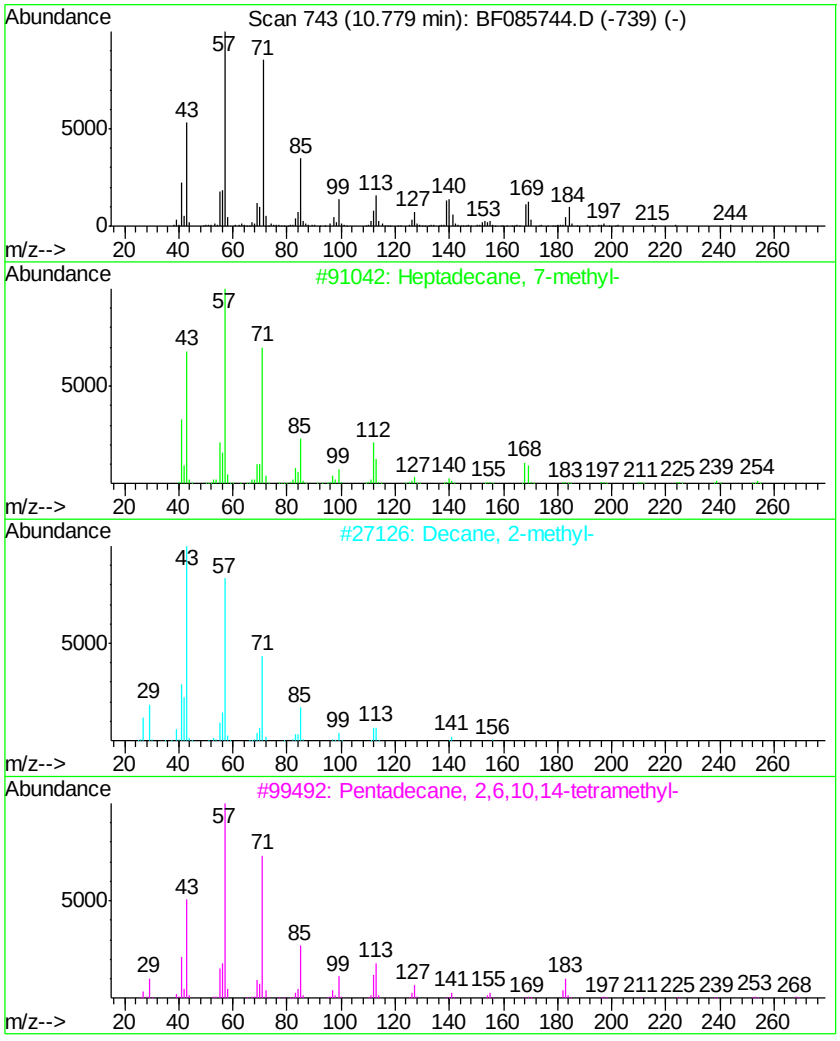
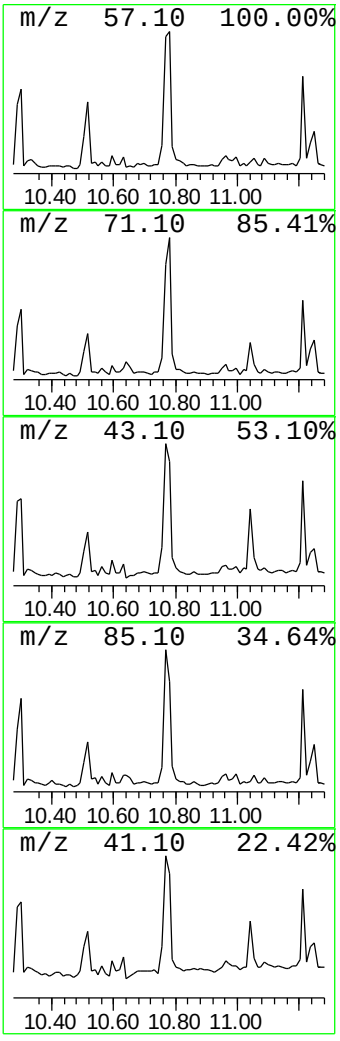
Peak Number 8 Heptadecane, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	17.02 ng	646941	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80
2	Decane, 2-methyl-	156	C11H24	006975-98-0	70
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	53





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Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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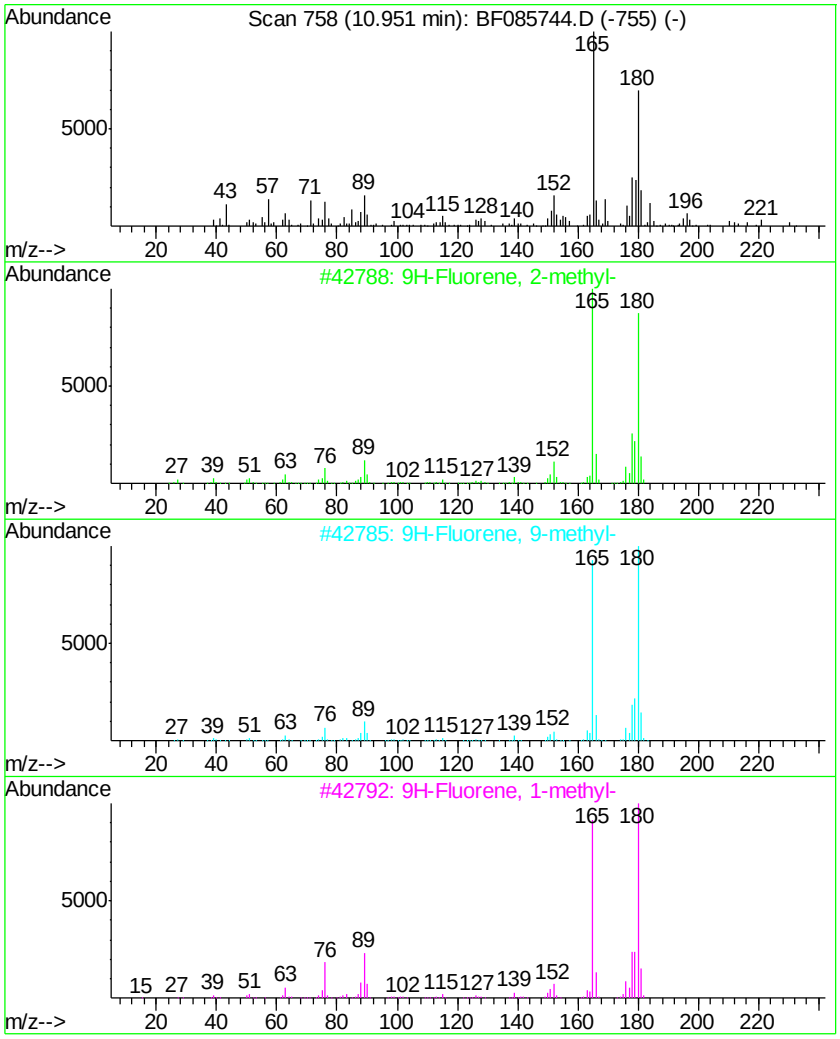
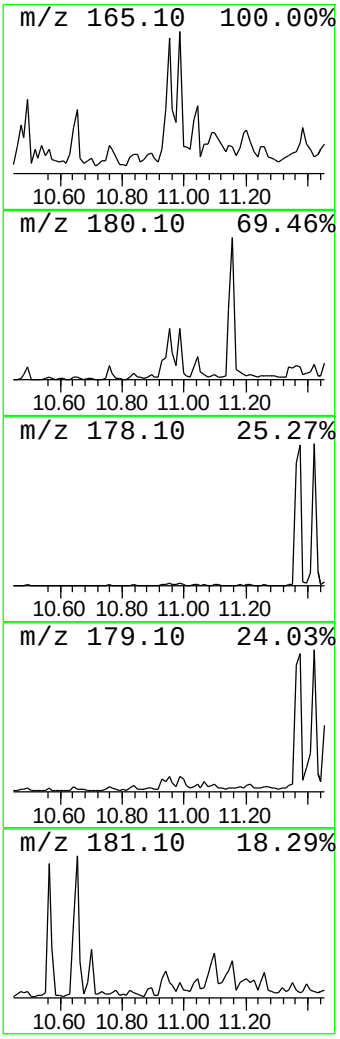
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	4.80 ng	182475	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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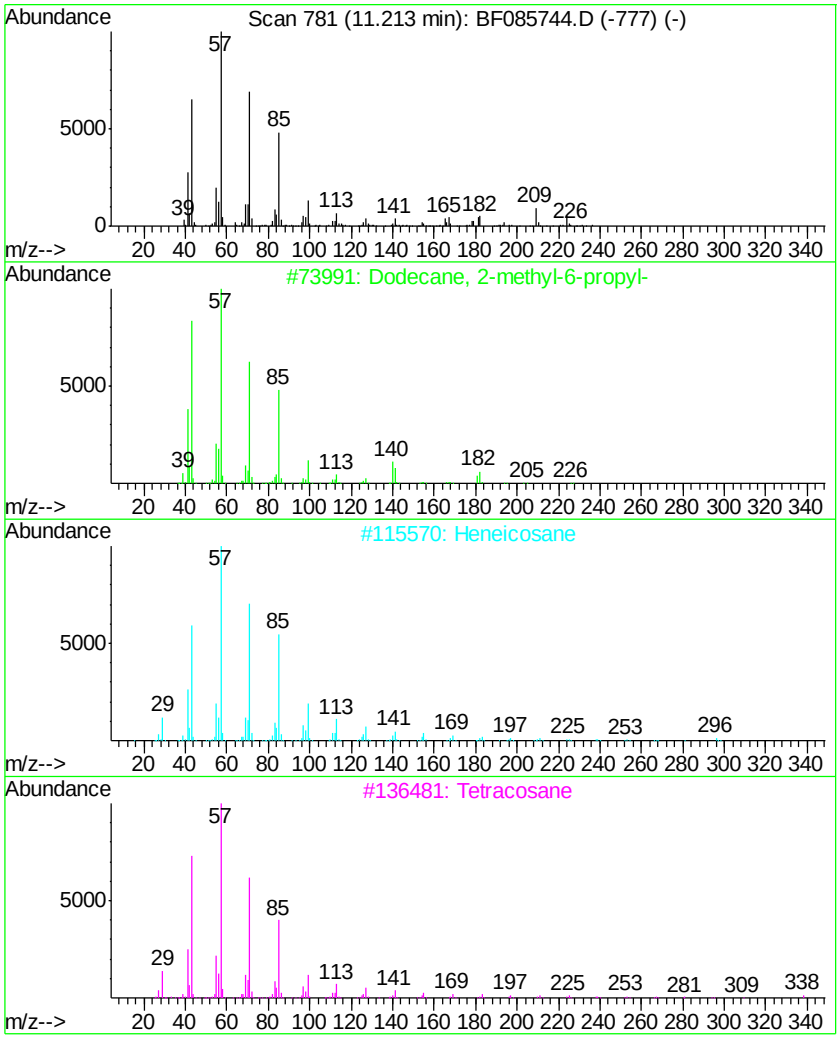
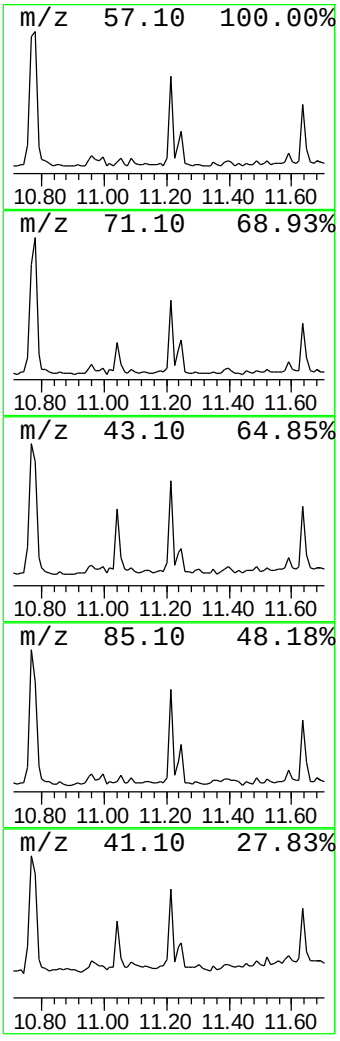
Peak Number 10 Dodecane, 2-methyl-6-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	7.70 ng	292542	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
2	Heneicosane	296	C21H44	000629-94-7	68
3	Tetracosane	338	C24H50	000646-31-1	68
4	Octacosane	394	C28H58	000630-02-4	68
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	68





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Sample : H1884-13
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ALS Vial : 28 Sample Multiplier: 1

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ClientSampleId : GW-3(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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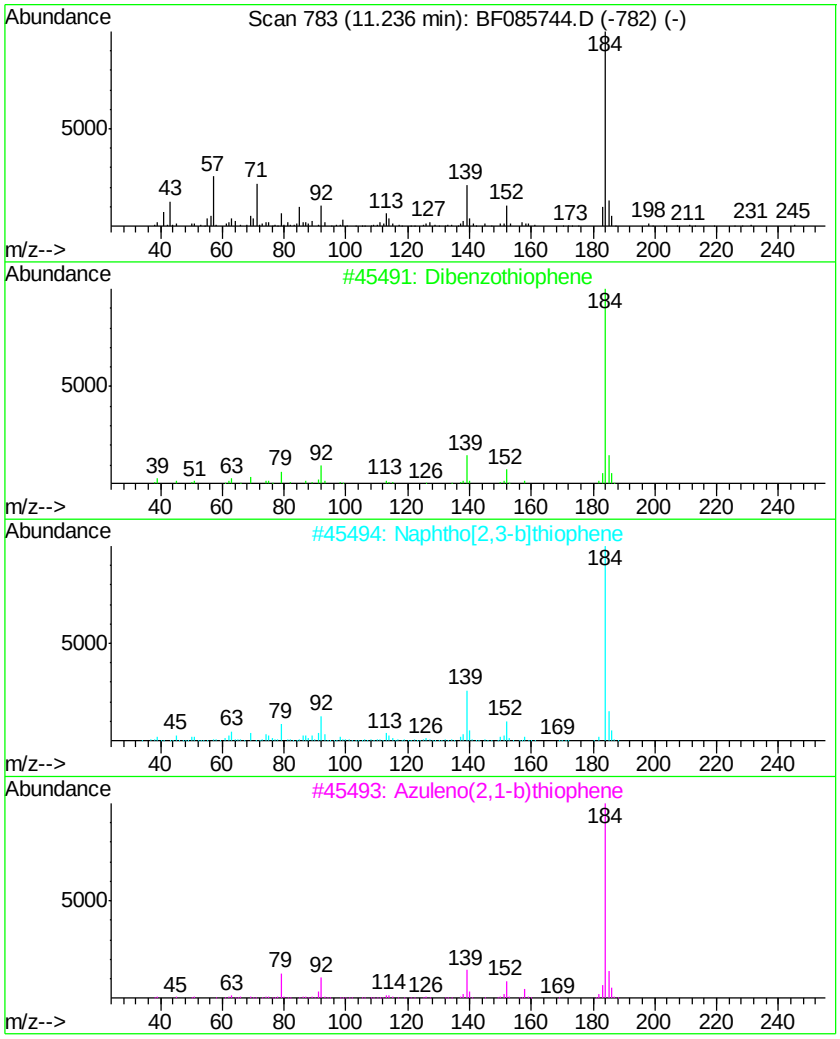
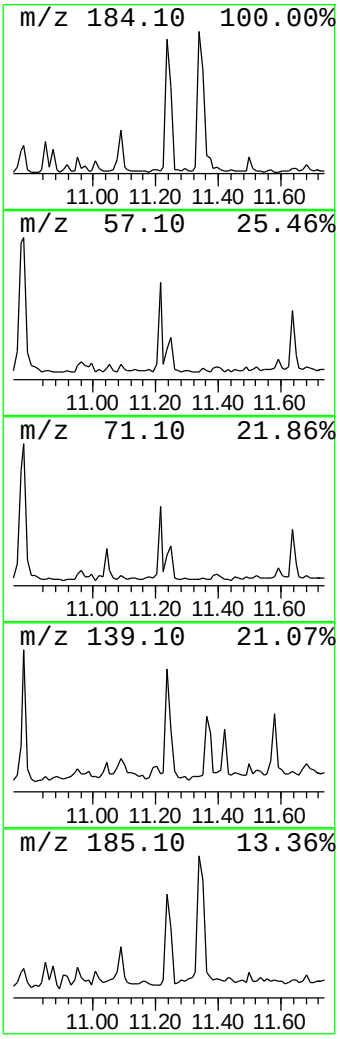
Peak Number 11 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	5.90 ng	224379	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	76
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	50
5	Benzidine	184	C12H12N2	000092-87-5	49





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ALS Vial : 28 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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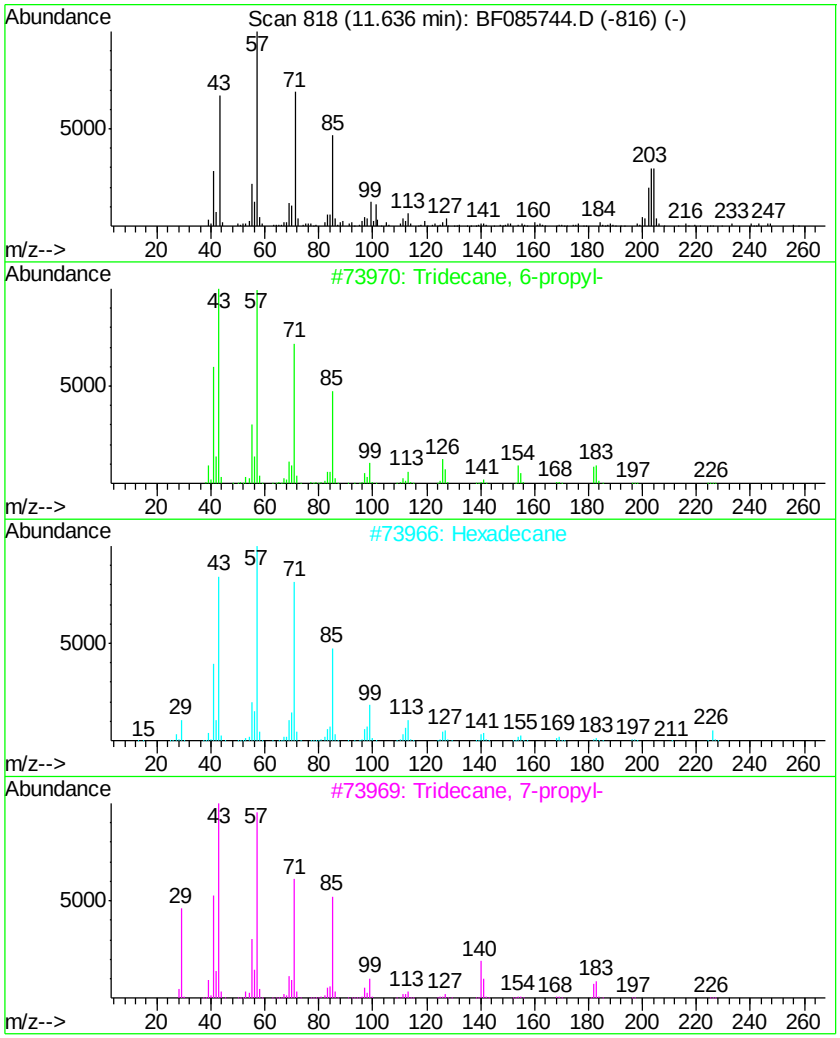
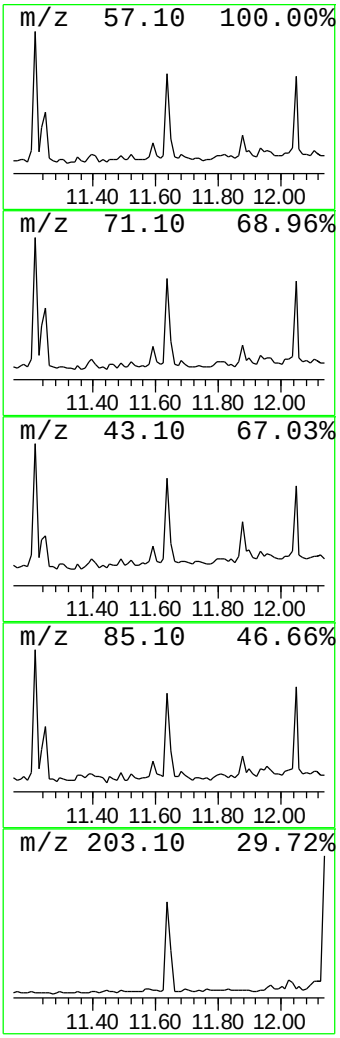
Peak Number 12 Tridecane, 6-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	4.40 ng	167091	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	78
2	Hexadecane	226	C16H34	000544-76-3	60
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	53
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
5	Nonadecane	268	C19H40	000629-92-5	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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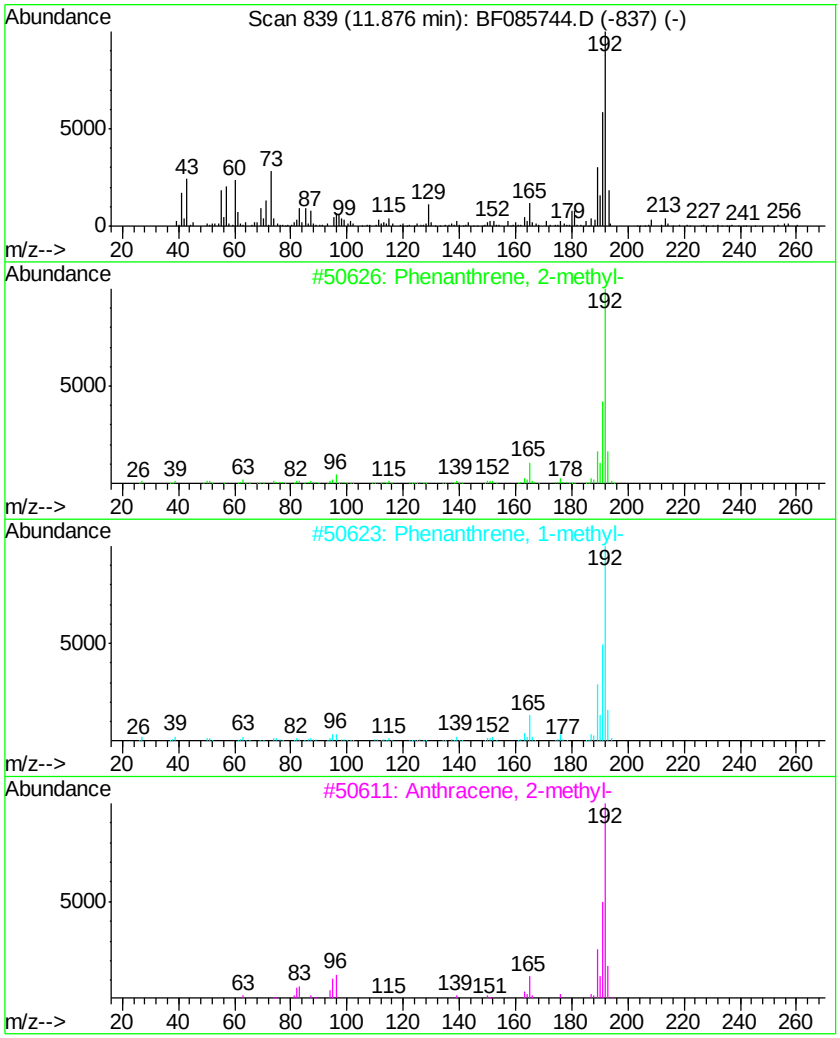
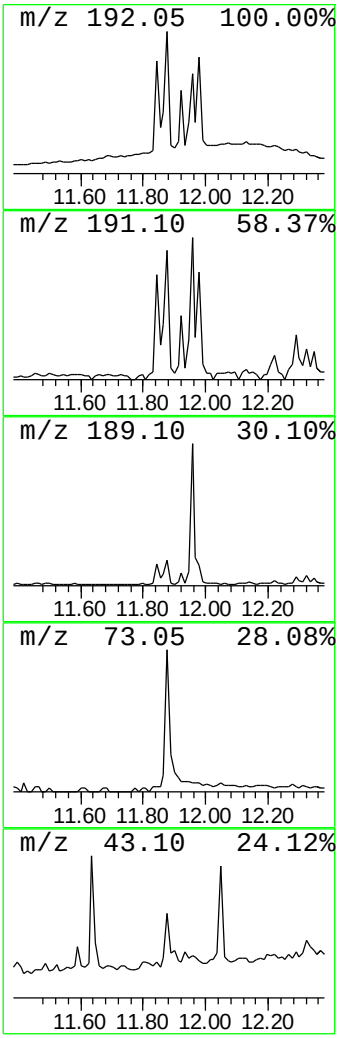
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	7.88 ng	299605	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	92
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	92





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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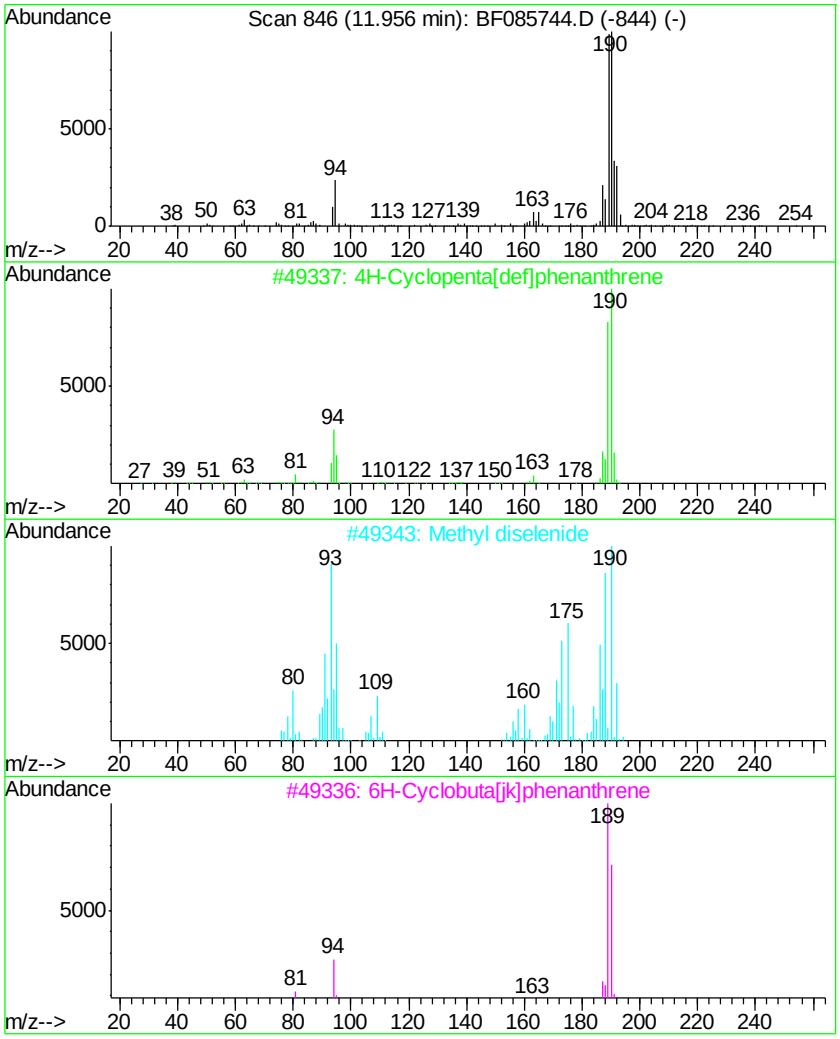
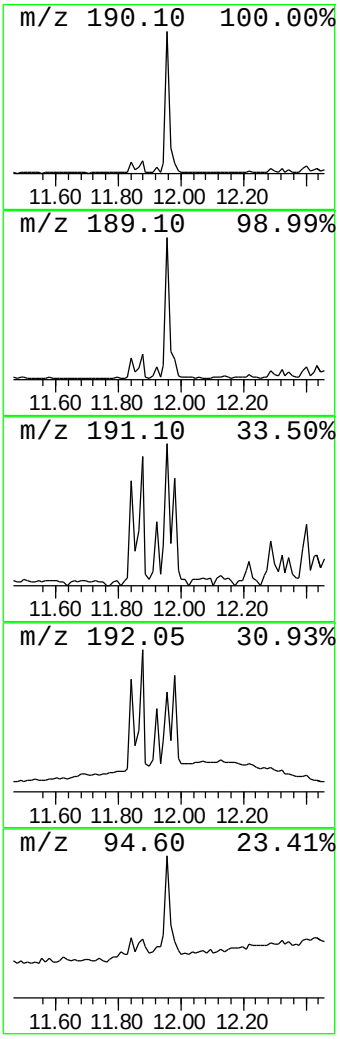
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	12.80 ng	486337	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





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Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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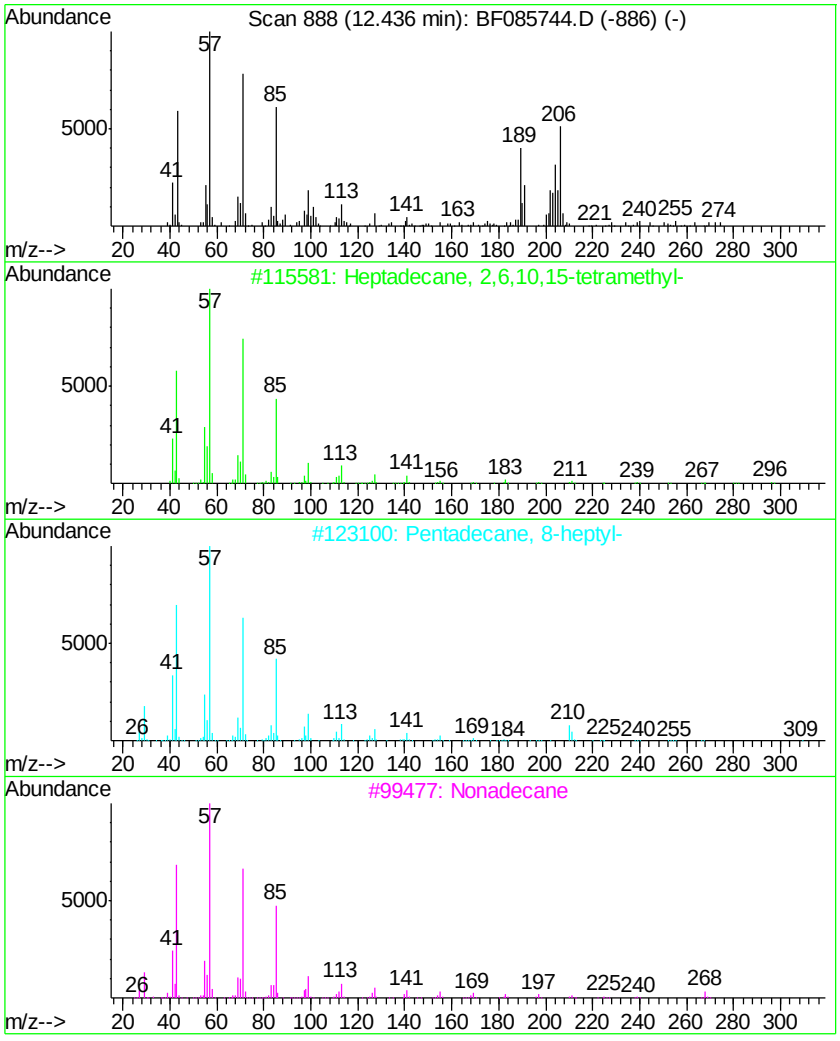
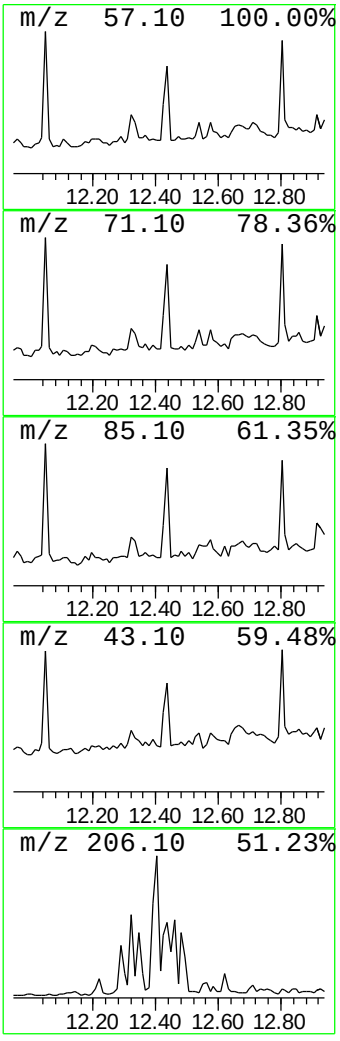
Peak Number 15 unknown12.44 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	5.09 ng	193361	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	30
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	30
3	Nonadecane	268	C19H40	000629-92-5	30
4	Heptadecane	240	C17H36	000629-78-7	30
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	30





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Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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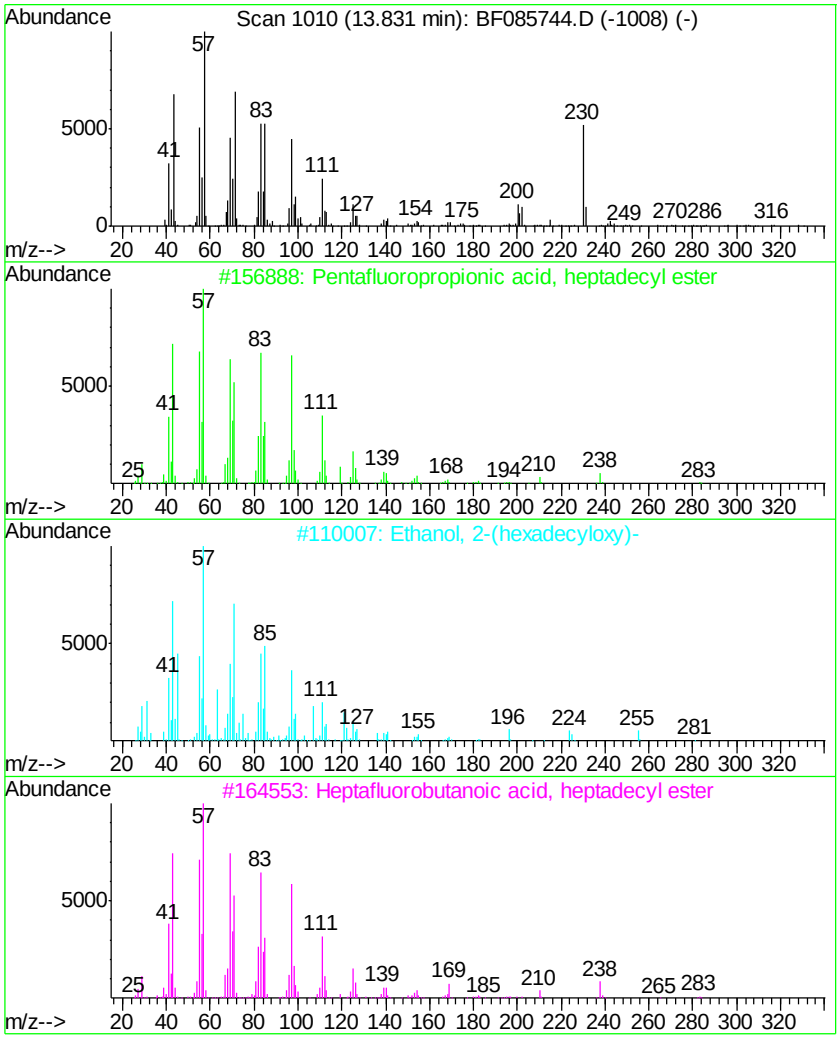
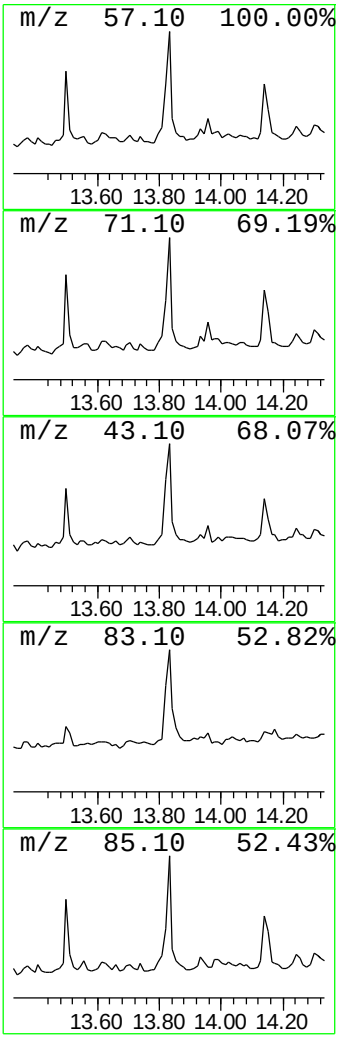
Peak Number 16 Pentafluoropropionic acid, ... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	5.92 ng	502049	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	64
2	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	62
3	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	55
4	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	52
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	50





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ClientSampleId : GW-3(3-4)

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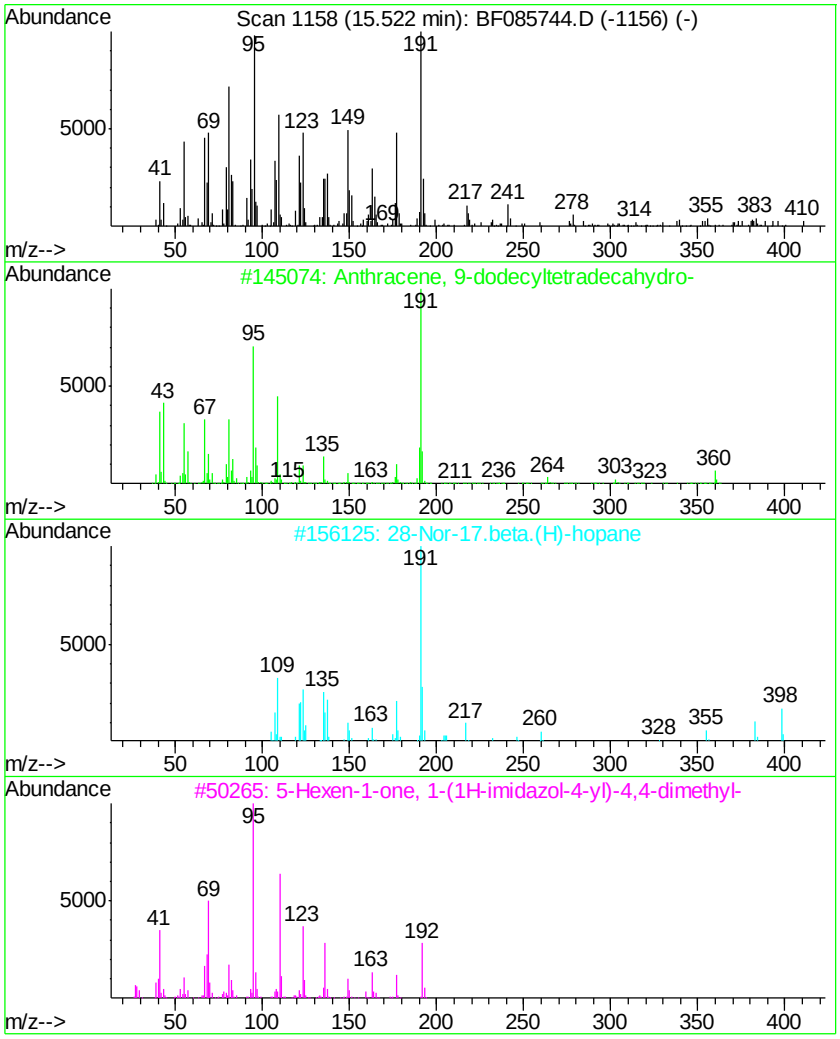
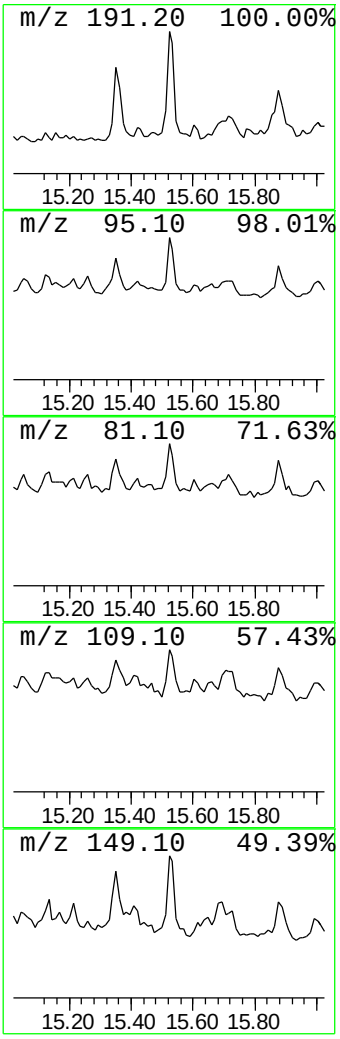
Peak Number 18 unknown15.52 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	6.17 ng	268161	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	47
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	43
3	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	30
4	Indole-2-carboxylic acid, 6-meth...	191	C10H9NO3	016732-73-3	25
5	3-Octyne, 2,2,7-trimethyl-	152	C11H20	055402-13-6	18





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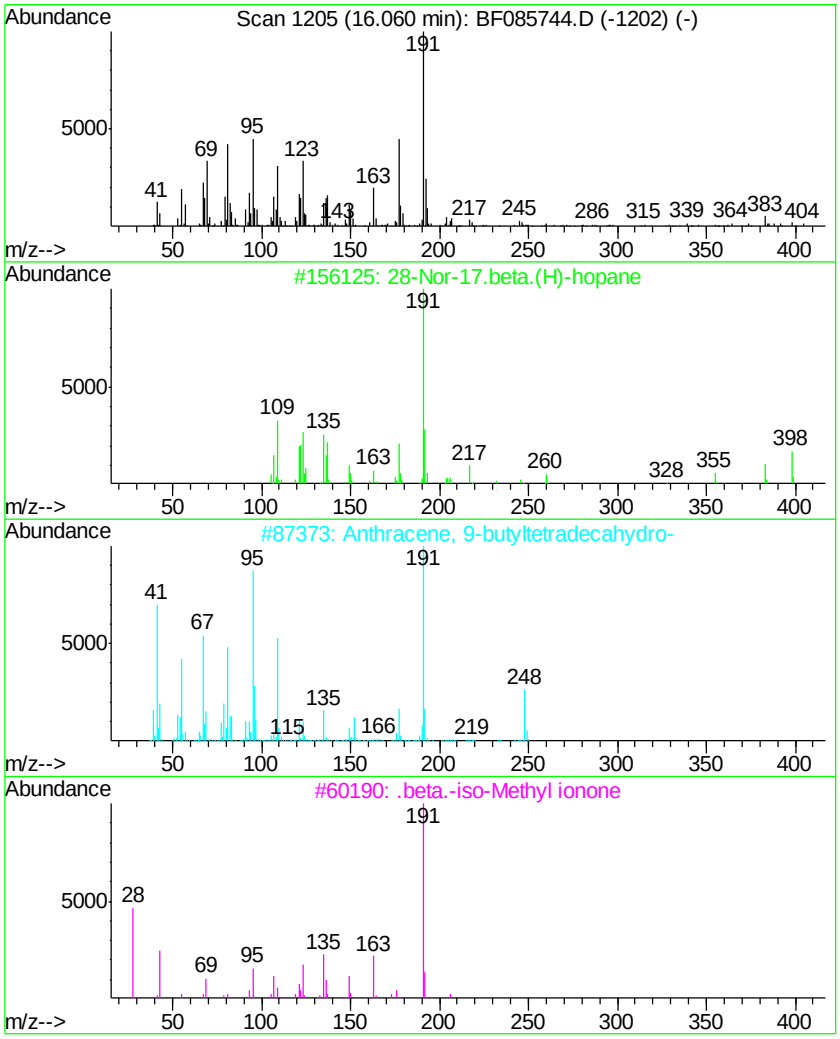
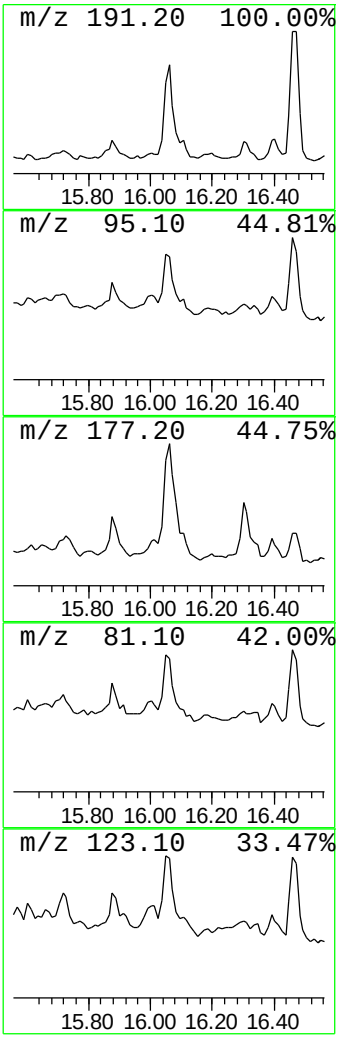
Peak Number 19 28-Nor-17.beta.(H)-hopane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	16.55 ng	719303	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	70
2	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	40
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
4	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	38
5	(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	23





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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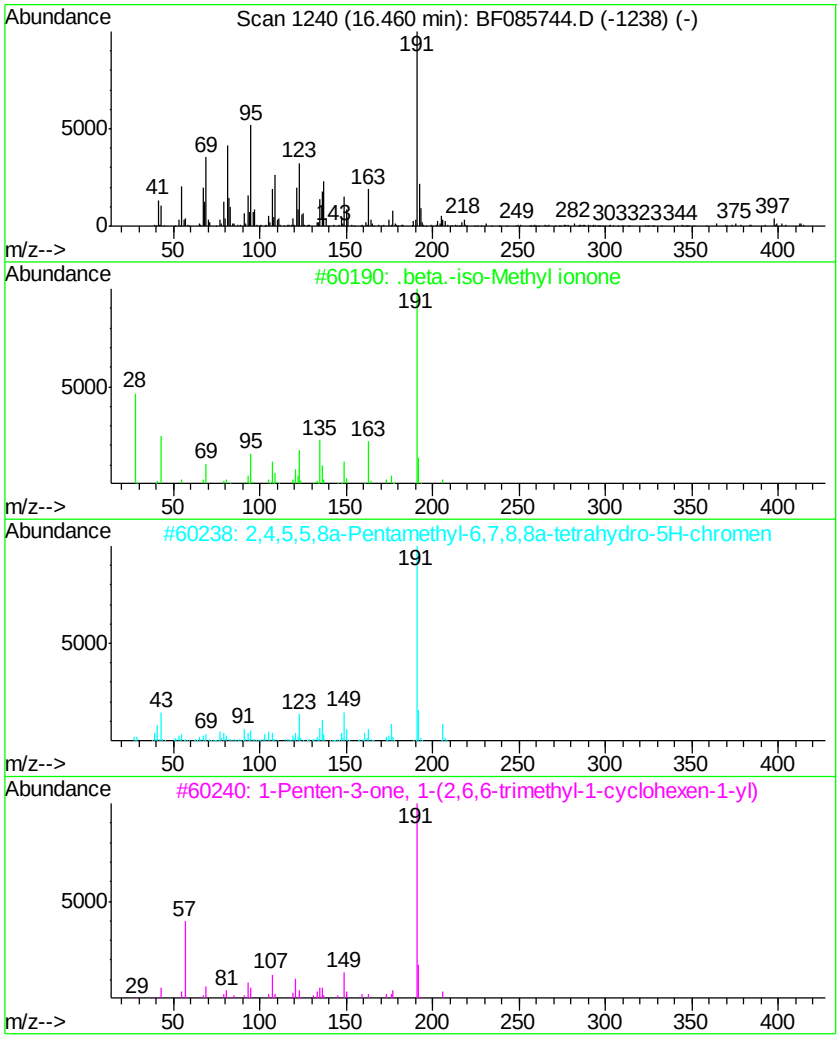
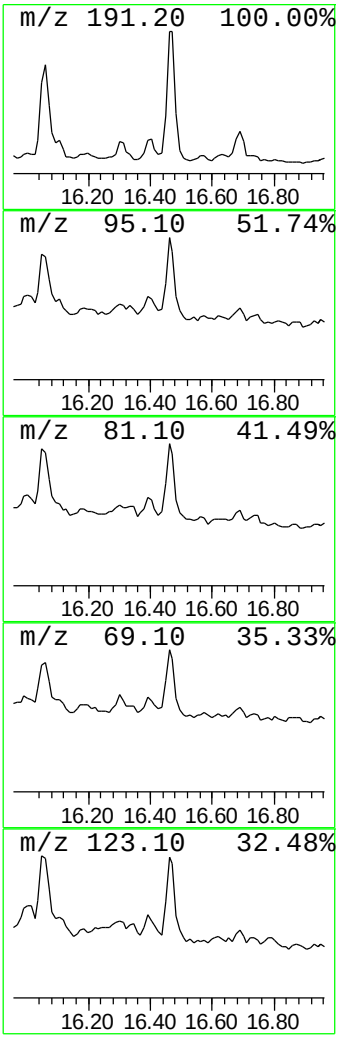
Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	14.09 ng	612529	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	62
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	40
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
4	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	38
5	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
Data File : BF085744.D
Acq On : 25 Mar 2016 6:07
Operator : UM/SJ
Sample : H1884-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-3(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.00	25.6	ng	942920	1	6.82	735540	20.0
unknown6.60	6.60	73.1	ng	2688380	1	6.82	735540	20.0
Naphthalene, 2,7-...	9.45	4.8	ng	264359	3	9.86	1100280	20.0
Naphthalene, 2,3-...	9.52	5.8	ng	321454	3	9.86	1100280	20.0
Dodecane	10.29	4.4	ng	243635	3	9.86	1100280	20.0
Heptadecane, 7-me...	10.78	17.0	ng	646941	4	11.34	760064	20.0
9H-Fluorene, 2-me...	10.95	4.8	ng	182475	4	11.34	760064	20.0
Dodecane, 2-methy...	11.21	7.7	ng	292542	4	11.34	760064	20.0
Dibenzothiophene	11.24	5.9	ng	224379	4	11.34	760064	20.0
Tridecane, 6-propyl-	11.64	4.4	ng	167091	4	11.34	760064	20.0
Phenanthrene, 2-m...	11.88	7.9	ng	299605	4	11.34	760064	20.0
4H-Cyclopenta[def...	11.96	12.8	ng	486337	4	11.34	760064	20.0
unknown12.44	12.44	5.1	ng	193361	4	11.34	760064	20.0
Pentafluoropropio...	13.83	5.9	ng	502049	5	13.98	1695260	20.0
unknown15.52	15.52	6.2	ng	268161	6	15.41	869149	20.0
28-Nor-17.beta.(H...	16.06	16.6	ng	719303	6	15.41	869149	20.0
.beta.-iso-Methyl...	16.46	14.1	ng	612529	6	15.41	869149	20.0