LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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-BF112116.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	5.070	294	296	303	rBV2	571113	1299768	5.82%	0.303%
2	5.356	319	321	326	rVB2	502338	692969	3.10%	0.161%
3	5.436	326	328	331	rBV	1628940	1814251	8.12%	0.422%
4	5.790	357	359	363	rVB3	728718	1306210	5.85%	0.304%
5	5.996	373	377	380	rBV3	388158	921816	4.13%	0.215%
6	6.099	382	386	390	rVB3	920110	2776097	12.43%	0.646%
7	6.167	390	392	394	rBV2	936688	1417927	6.35%	0.330%
8	6.304	402	404	405	rBV	587796	742089	3.32%	0.173%
9	6.419	412	414	416	rVB	5321027	5149051	23.06%	1.198%
10	6.510	419	422	425	rBV3	288205	744583	3.33%	0.173%
11	6.567	425	427	428	rBV	1223167	1169470	5.24%	0.272%
12	6.602	428	430	431	rVB	1189301	1276411	5.72%	0.297%
13	6.624	431	432	437	rVB2	796708	1266161	5.67%	0.295%
14	6.727	437	441	445	rVB5	994157	2756615	12.34%	0.642%
15	6.864	451	453	454	rVB2	825070	892966	4.00%	0.208%
16	6.899	454	456	457	rBV	1636688	1330906	5.96%	0.310%
17	6.933	457	459	460	rVB	1177577	1115517	4.99%	0.260%
18	6.979	460	463	466	rVB2	1809969	3264072	14.62%	0.760%
19	7.070	468	471	472	rBV2	613659	1140298	5.11%	0.265%
20	7.116	472	475	478	rBV3	1175663	1594366	7.14%	0.371%
21	7.196	480	482	484	rBV	7882414	8251892	36.95%	1.921%
22	7.230	484	485	487	rVB2	1022979	1051779	4.71%	0.245%
23	7.276	487	489	490	rBV2	523681	928205	4.16%	0.216%
24	7.299	490	491	493	rVB	1103510	1341508	6.01%	0.312%
25	7.356	493	496	497	rBV2	1081320	1756677	7.87%	0.409%
26	7.379	497	498	501	rVB	2598472	2625362	11.76%	0.611%
27	7.493	505	508	510	rBV3	2317243	3996746	17.90%	0.930%
28	7.562	513	514	516	rBV	1187299	1412005	6.32%	0.329%
29	7.596	516	517	519	rBV2	1717361	2093982	9.38%	0.487%
30	7.630	519	520	523	rVB2	2379514	2623038	11.74%	0.610%
31	7.676	523	524	527	rVB3	1985963	2517625	11.27%	0.586%
32	7.745	527	530	531	rBV	551944	757221	3.39%	0.176%
33	7.870	534	541	544	rBV3	10005927	21340767	95.56%	4.967%
34	7.950	546	548	549	rBV	4056021	3779005	16.92%	0.880%

LSC Area Percent Report

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Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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-BF112116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.042	553	556	558	rBV3	776452	1663882	7.45%	0.387%
36	8.076	558	559	561	rVB2	636188	712789	3.19%	0.166%
37	8.167	561	567	568	rBV5	2779369	5764320	25.81%	1.342%
38	8.202	568	570	571	rVB	1876100	1795264	8.04%	0.418%
39	8.225	571	572	574	rBV2	1246413	2017147	9.03%	0.469%
40	8.259	574	575	577	rVB2	2711879	3219608	14.42%	0.749%
41	8.316	577	580	583	rBV	7209828	12199106	54.62%	2.839%
42	8.407	586	588	591	rBV4	541170	1406578	6.30%	0.327%
43	8.487	591	595	597	rBV	12634410	19089791	85.48%	4.443%
44	8.590	601	604	605	rVB2	6297192	10479198	46.92%	2.439%
45	8.636	605	608	609	rBV3	885547	1178681	5.28%	0.274%
46	8.682	609	612	614	rBV	5665871	6759180	30.27%	1.573%
47	8.785	616	621	622	rBV4	4583583	10343667	46.32%	2.407%
48	8.807	622	623	625	rVB2	1151723	1321161	5.92%	0.307%
49	8.842	625	626	628	rVB2	3550560	3775773	16.91%	0.879%
50	8.910	628	632	636	rVB	6568295	12022343	53.83%	2.798%
51	9.059	639	645	647	rBV	12002065	22333293	100.00%	5.198%
52	9.093	647	648	650	rBV2	1461765	1029438	4.61%	0.240%
53	9.139	650	652	656	rVB2	2795646	5625108	25.19%	1.309%
54	9.219	656	659	661	rBV2	5894135	10731992	48.05%	2.498%
55	9.288	661	665	667	rBV2	7363098	15213525	68.12%	3.541%
56	9.333	667	669	670	rVB2	4118444	5380509	24.09%	1.252%
57	9.368	670	672	674	rBV2	4807125	5846349	26.18%	1.361%
58	9.482	680	682	684	rBV	3462028	3911203	17.51%	0.910%
59	9.528	684	686	688	rVV	5062151	5466487	24.48%	1.272%
60	9.585	688	691	692	rVV	11654169	17841644	79.89%	4.152%
61	9.608	692	693	695	rVV2	3497537	4730401	21.18%	1.101%
62	9.665	695	698	701	rVV3	2030883	4495495	20.13%	1.046%
63	9.733	701	704	706	rVB2	3078833	5797636	25.96%	1.349%
64	9.825	708	712	714	rVV2	5312069	8610790	38.56%	2.004%
65	9.870	714	716	717	rVV	3976506	5958787	26.68%	1.387%
66	9.939	719	722	723	rBV2	3420163	4757429	21.30%	1.107%
67	10.019	727	729	731	rVV3	3734991	6353607	28.45%	1.479%
68	10.076	731	734	735	rVV	11938213	15785366	70.68%	3.674%
69	10.122	735	738	740	rVV4	1474961	3192824	14.30%	0.743%
70	10.156	740	741	742	rVV	1733559	1654528	7.41%	0.385%
71	10.190	742	744	745	rVV2	1582887	2095686	9.38%	0.488%

LSC Area Percent Report

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Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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-BF112116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.225	745	747	748	rVB	2053459	1918629	8.59%	0.447%
73	10.282	750	752	755	rVV	5160784	7649334	34.25%	1.780%
74	10.362	758	759	760	rBV	2242187	2133539	9.55%	0.497%
75	10.396	760	762	764	rVB2	1885128	3155371	14.13%	0.734%
76	10.442	764	766	769	rBV3	1336320	1498945	6.71%	0.349%
77	10.545	771	775	778	rVV	11066420	21739699	97.34%	5.060%
78	10.602	779	780	781	rVB	1692856	1161299	5.20%	0.270%
79	10.705	787	789	790	rBV2	789207	1136908	5.09%	0.265%
80	10.728	790	791	798	rVB6	2301474	5725111	25.63%	1.332%
81	10.819	798	799	800	rBV	1215501	1181491	5.29%	0.275%
82	10.853	800	802	805	rVV4	1740447	2484252	11.12%	0.578%
83	10.899	805	806	809	rVB3	713754	732031	3.28%	0.170%
84	10.979	811	813	818	rVB	8308538	13488708	60.40%	3.139%
85	11.093	821	823	824	rBV	1256207	1275226	5.71%	0.297%
86	11.116	824	825	826	rVB	1749197	1199949	5.37%	0.279%
87	11.151	826	828	831	rVB2	791716	1258734	5.64%	0.293%
88	11.208	831	833	835	rVB2	736959	815084	3.65%	0.190%
89	11.402	848	850	853	rVB	6142835	5857212	26.23%	1.363%
90	11.585	865	866	868	rVV	1008216	1332890	5.97%	0.310%
91	11.619	868	869	871	rVB	1461318	1242123	5.56%	0.289%
92	11.699	874	876	877	rBV	788121	919563	4.12%	0.214%
93	11.802	883	885	889	rVB	3573462	4069132	18.22%	0.947%
94	12.065	906	908	912	rVV2	580386	1119595	5.01%	0.261%
95	12.134	912	914	916	rVV	903545	1026313	4.60%	0.239%
96	12.191	917	919	921	rVV	2752659	2461581	11.02%	0.573%
97	12.556	946	951	955	rVV2	1285096	1766219	7.91%	0.411%
98	12.911	980	982	984	rBV	661013	670182	3.00%	0.156%
99	13.711	1049	1052	1059	rVB	1572388	1652511	7.40%	0.385%
100	15.071	1168	1171	1177	rBV	803829	1283255	5.75%	0.299%

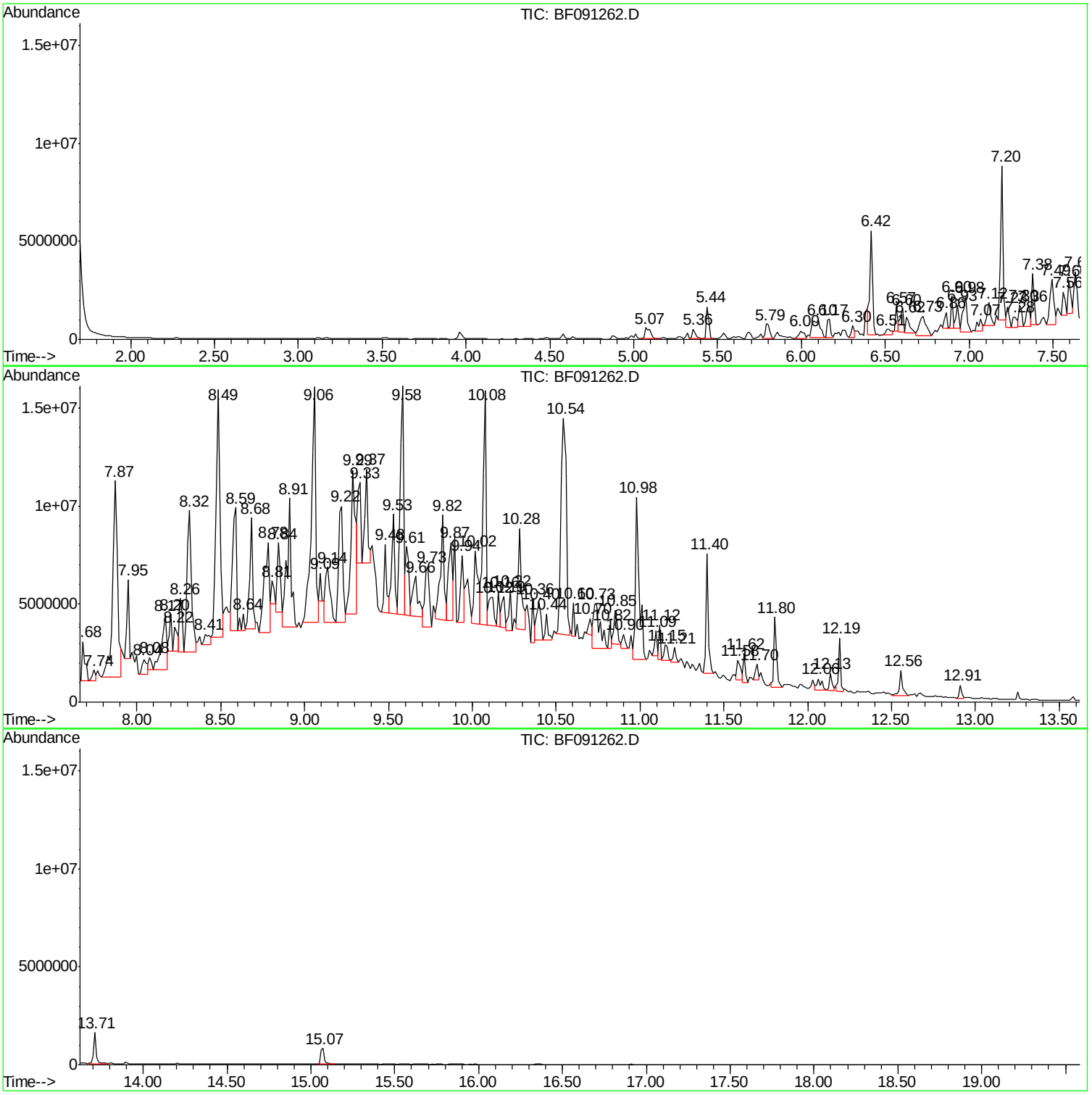
Sum of corrected areas: 429662826

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
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Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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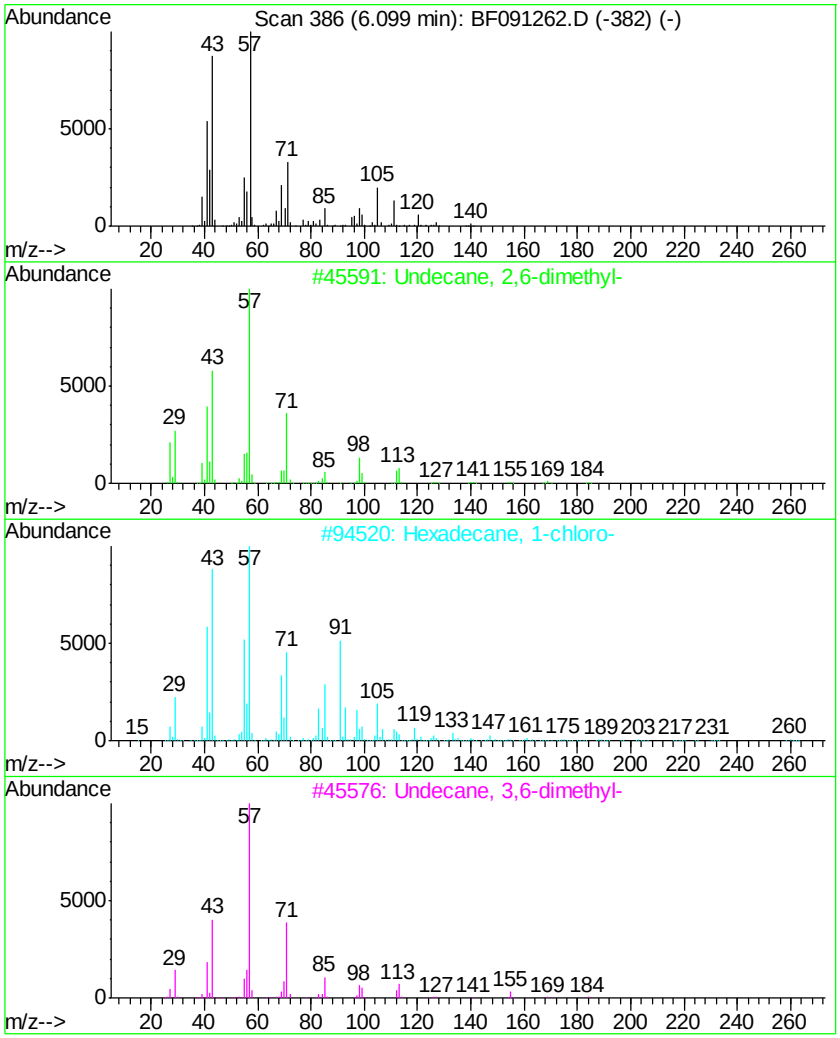
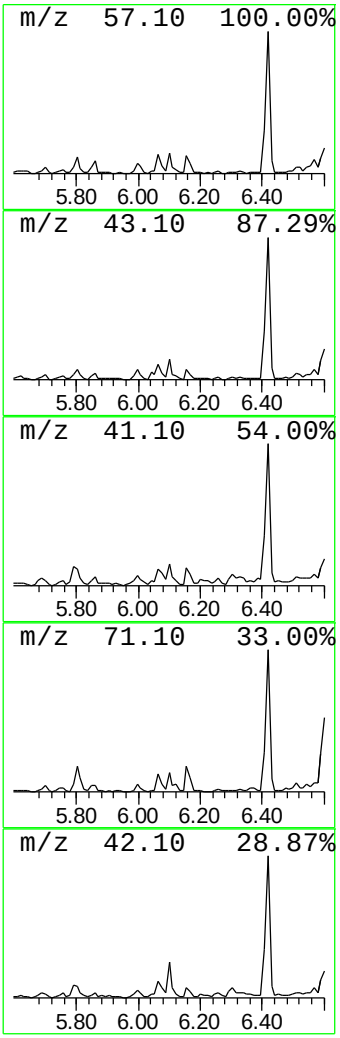
Peak Number 1 unknown6.10 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	47.48 ng	2776100	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	38
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	38
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	38
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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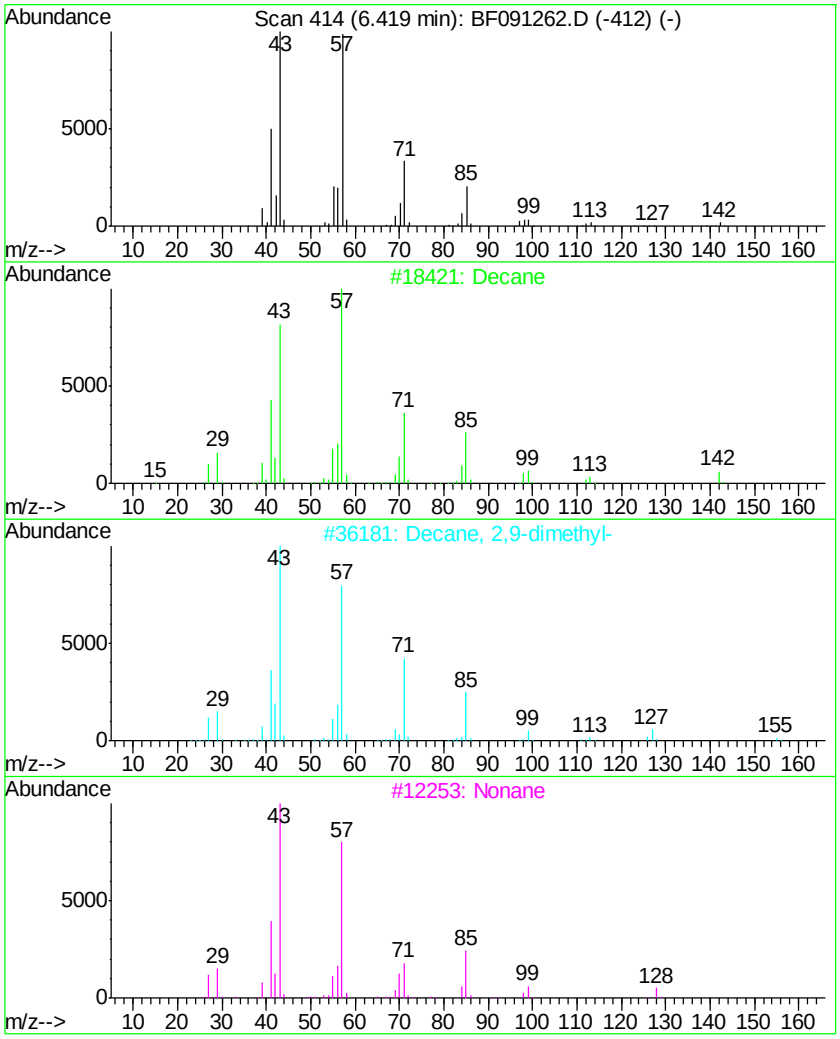
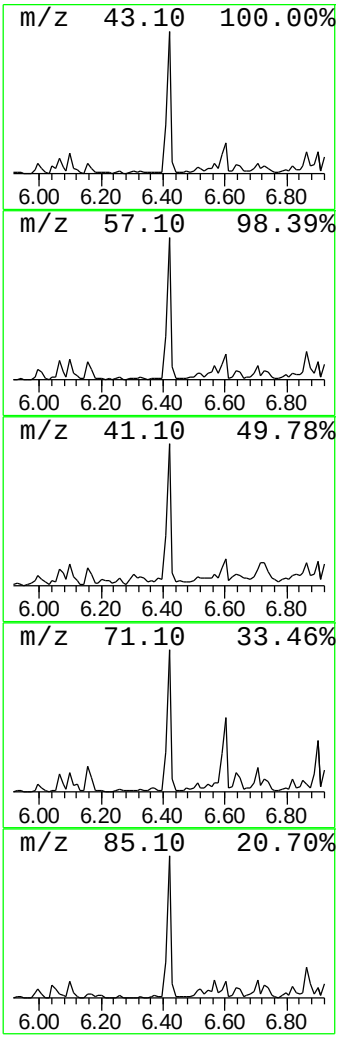
****

Peak Number 2 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	88.06 ng	5149050	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
3	Nonane	128	C9H20	000111-84-2	72
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59





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Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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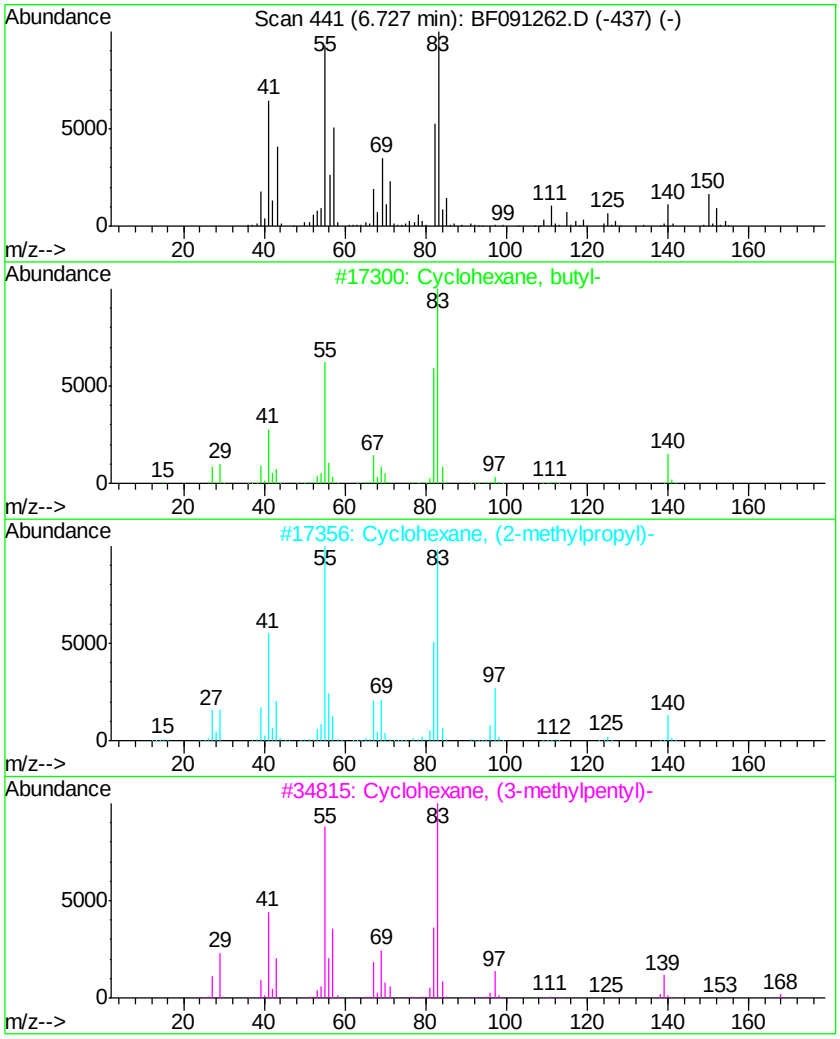
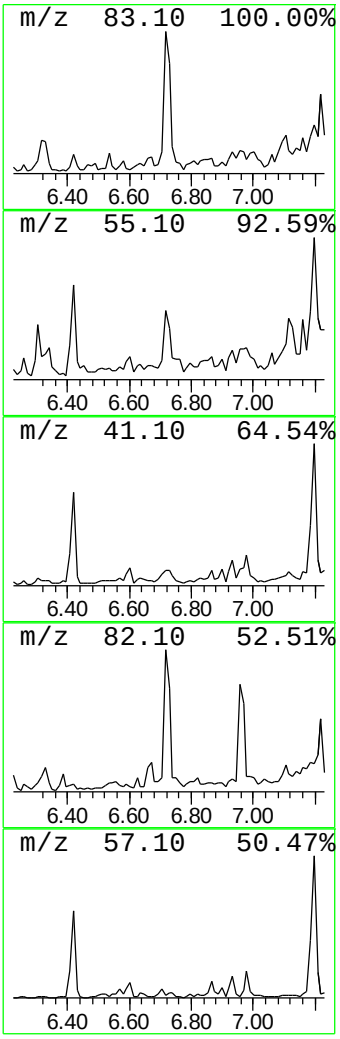
Peak Number 3 Cyclohexane, butyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	47.14 ng	2756620	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	62
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	62
3	Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	53
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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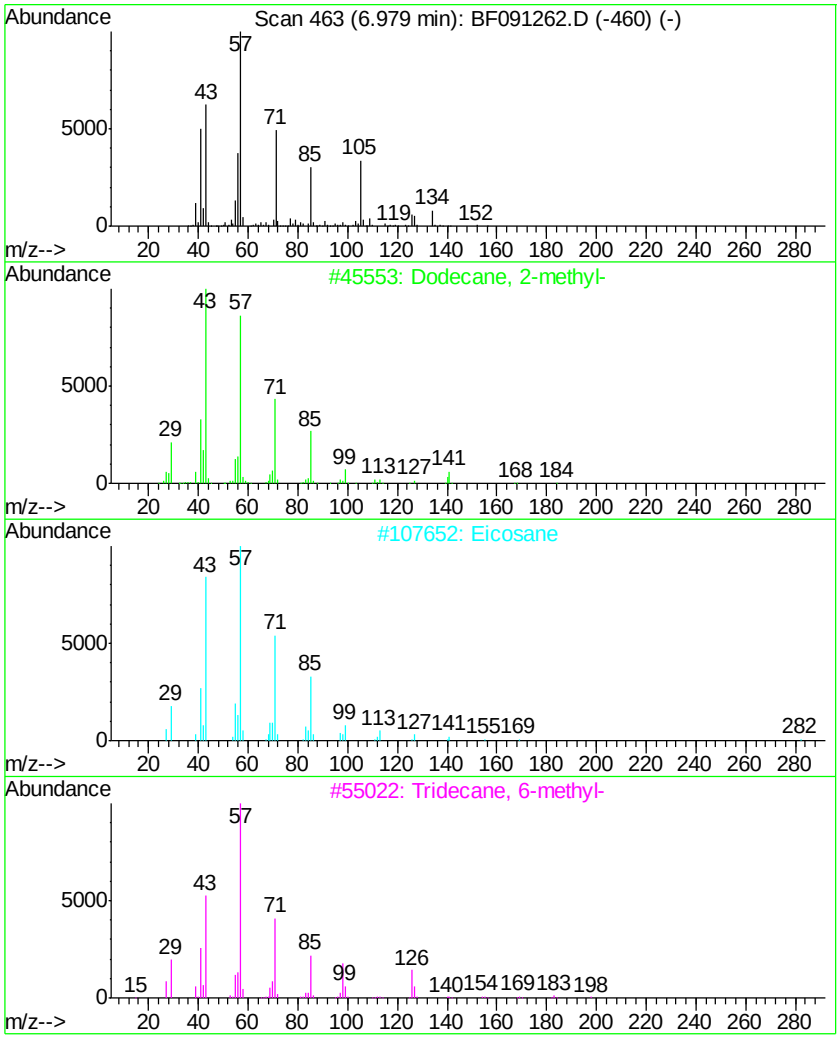
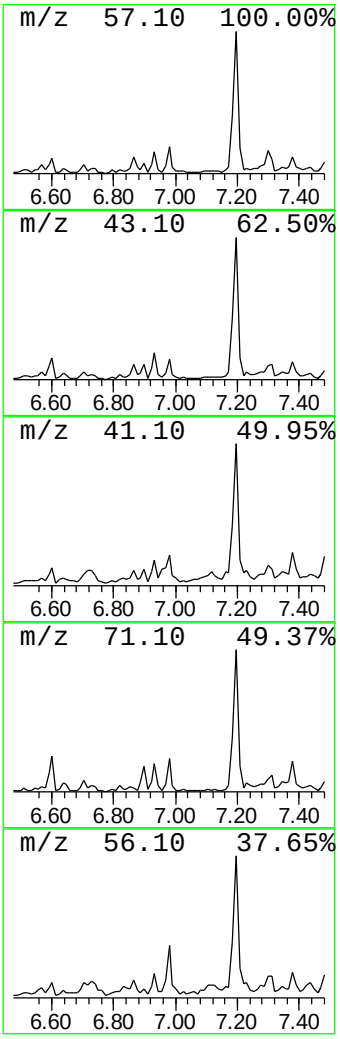
Peak Number 4 Dodecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	55.82 ng	3264070	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	50
2	Eicosane	282	C20H42	000112-95-8	50
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
4	Hexadecane	226	C16H34	000544-76-3	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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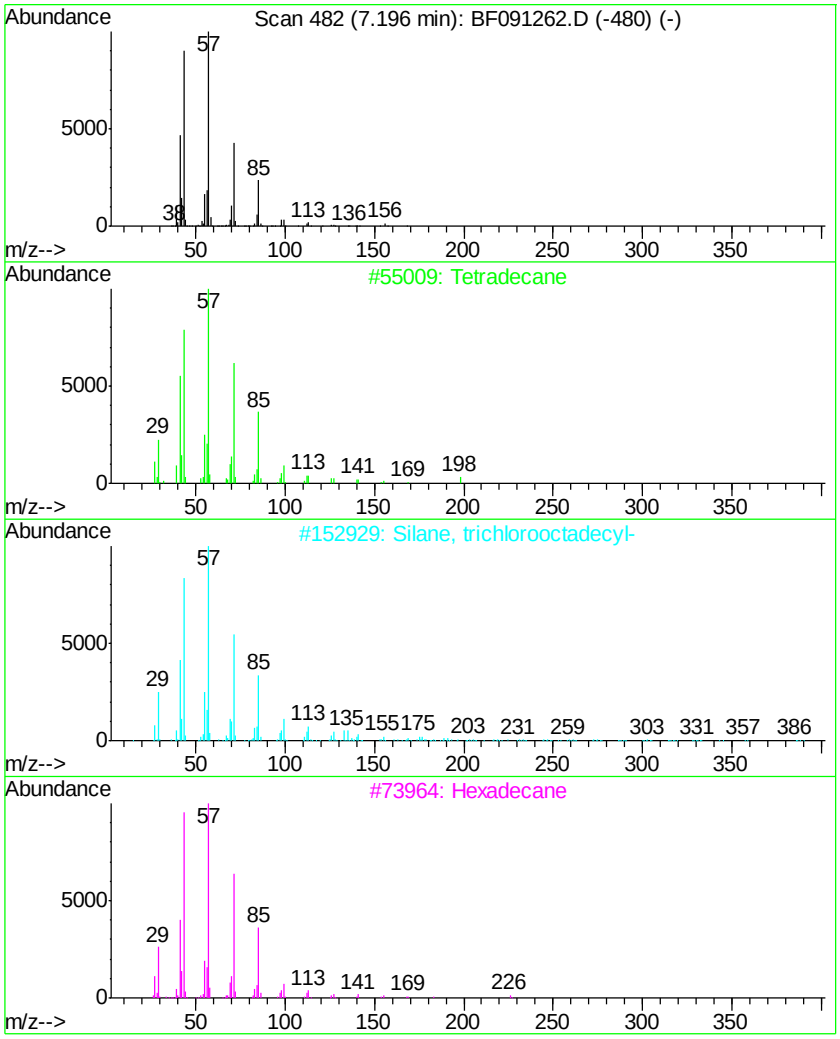
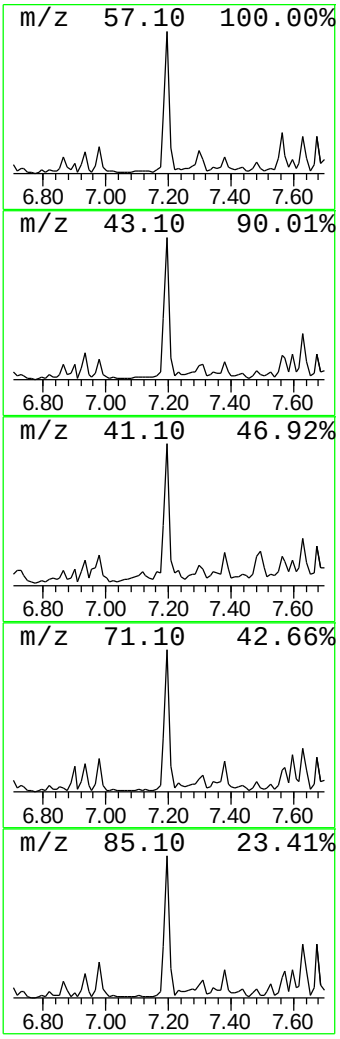
Peak Number 5 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	141.12 ng	8251890	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Undecane	156	C11H24	001120-21-4	83
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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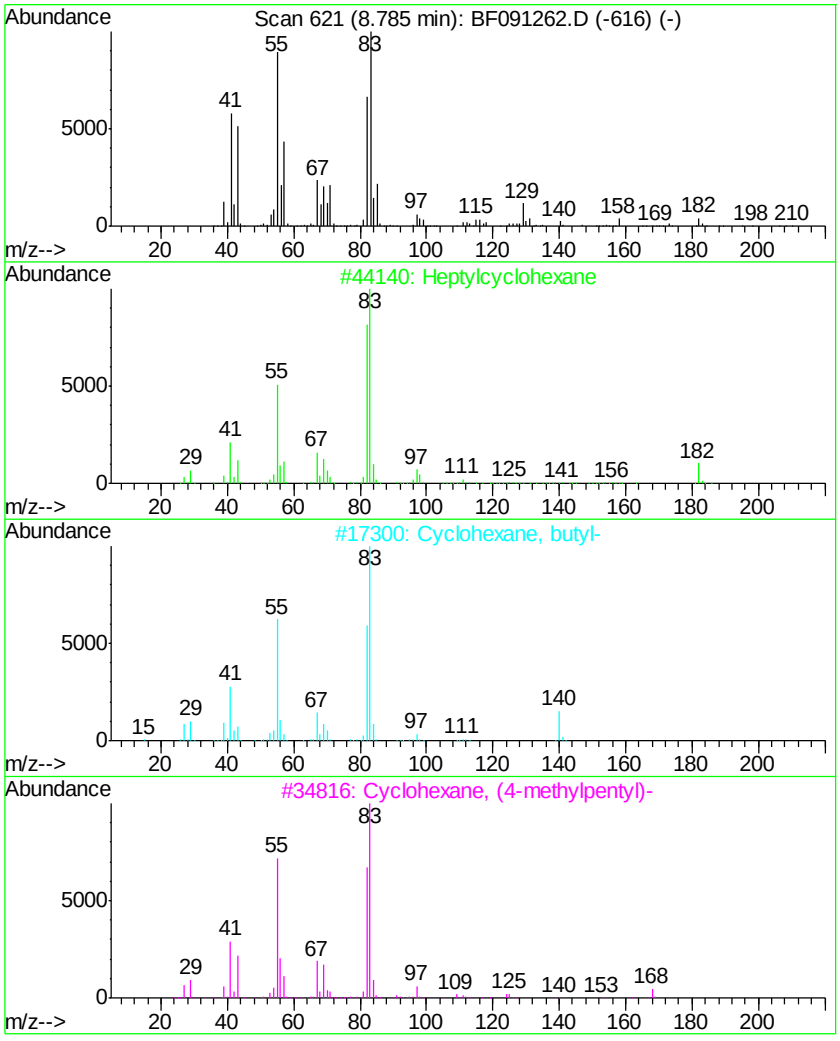
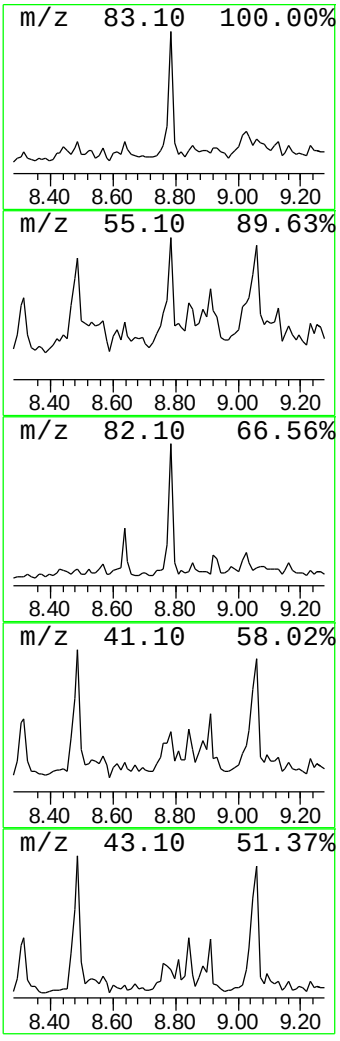
Peak Number 6 Heptylcyclohexane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	43.73 ng	10343700	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	76
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	59
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	59
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58





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Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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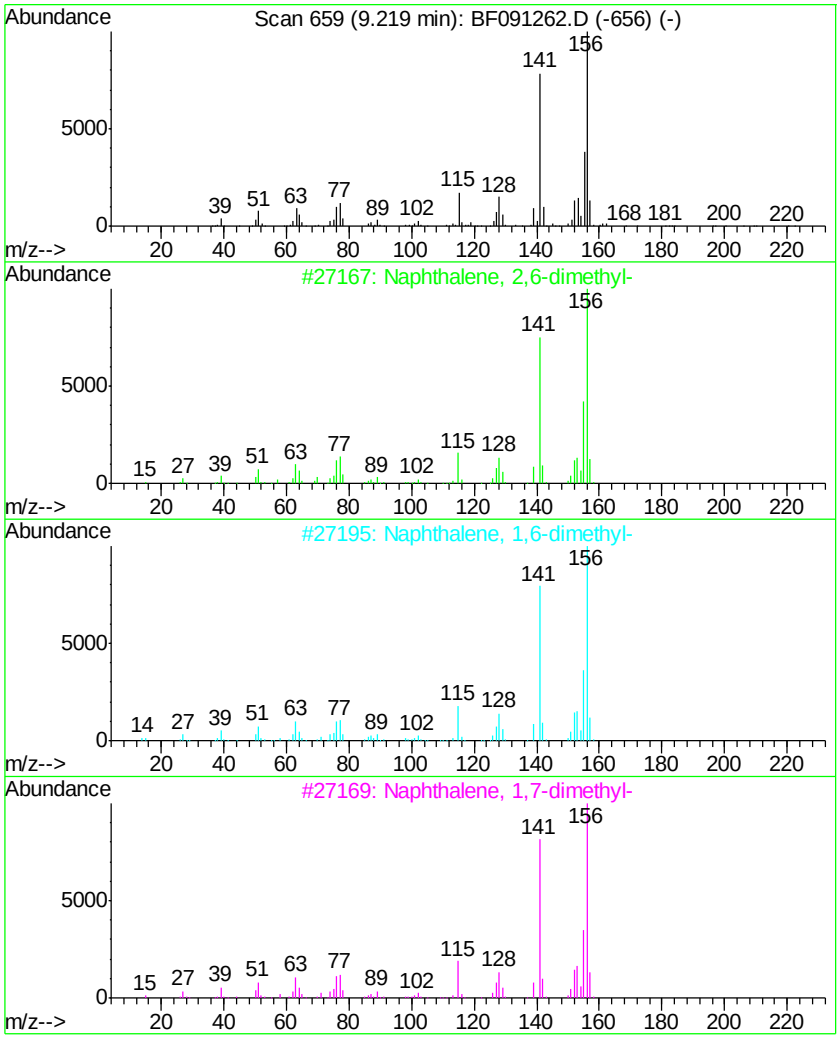
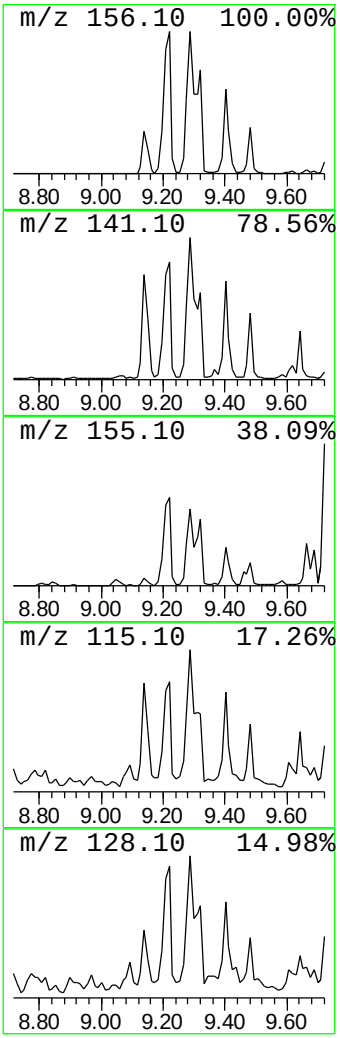
Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	45.37 ng	10732000	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Misc :
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Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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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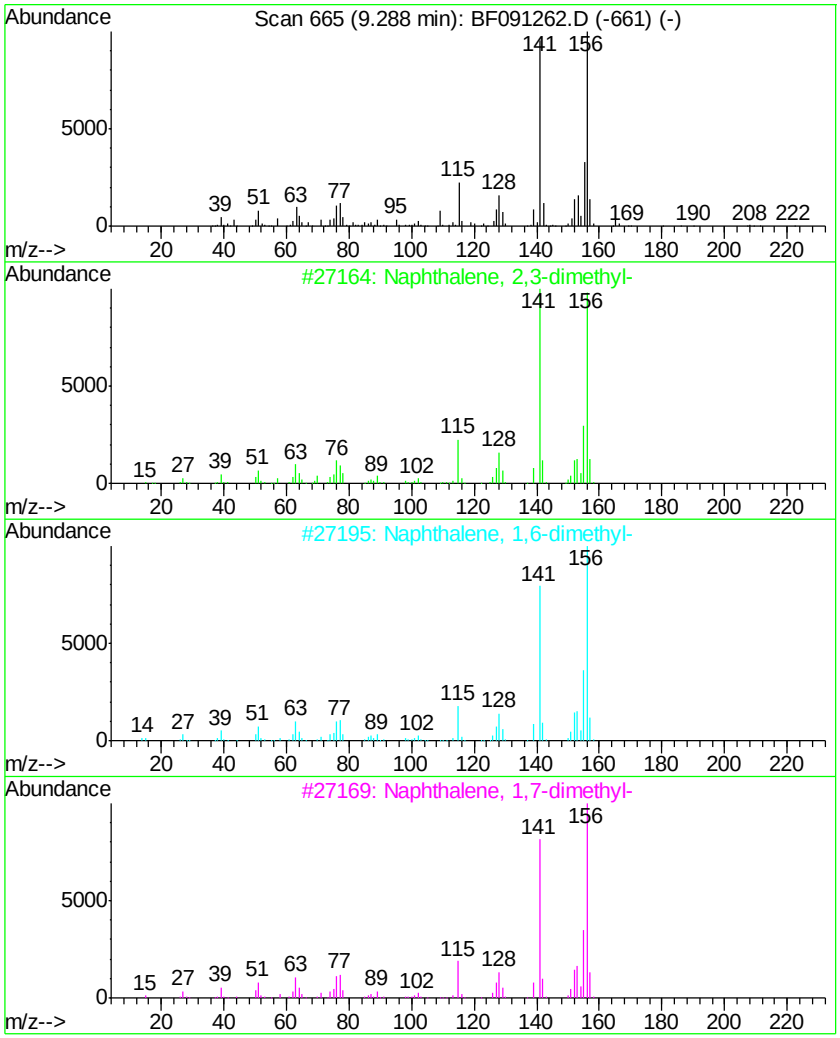
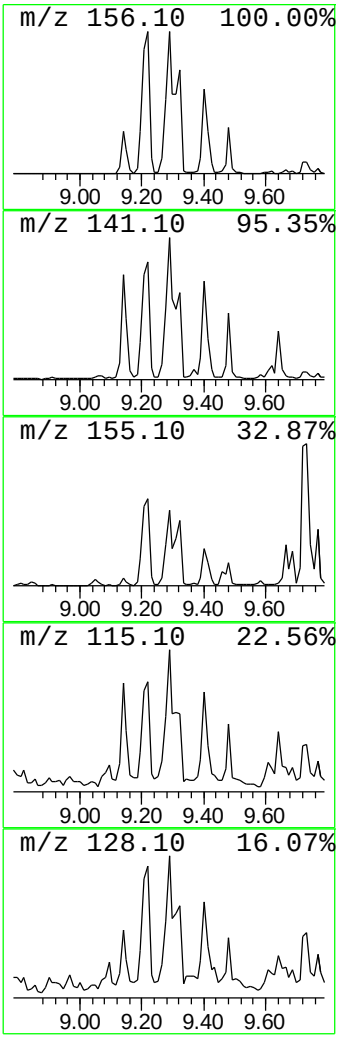
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	64.32 ng	15213500	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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ClientSampleId : UST-SW2

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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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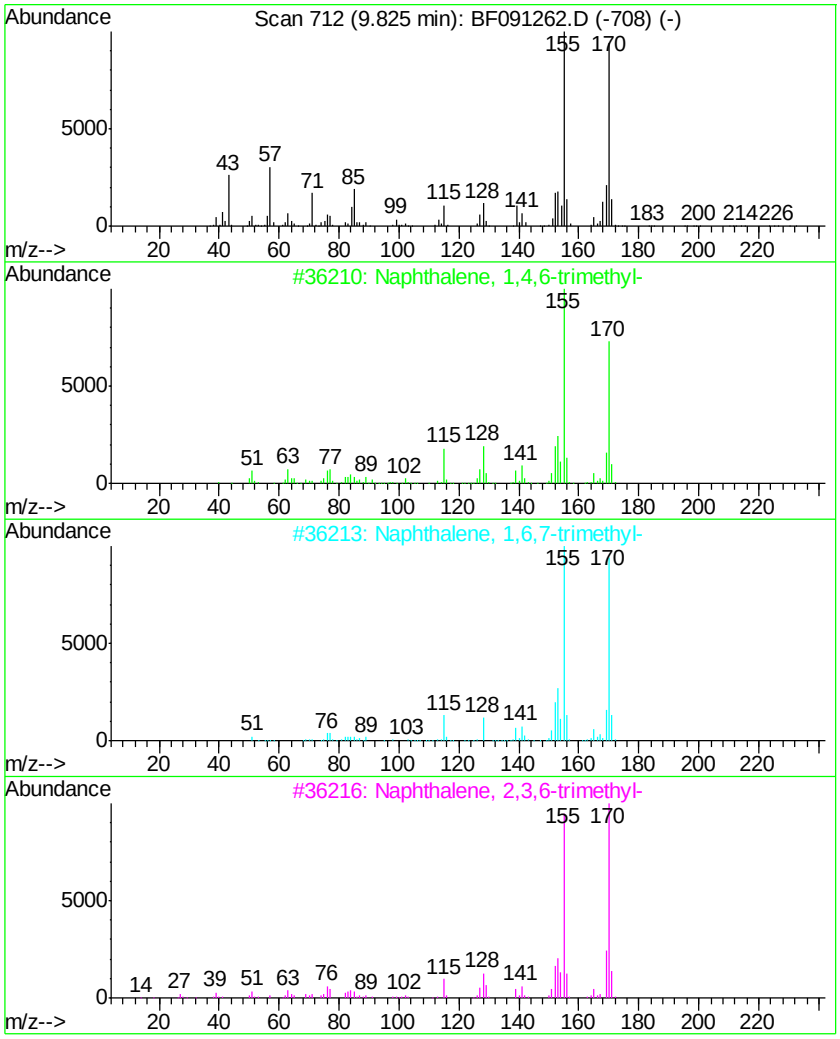
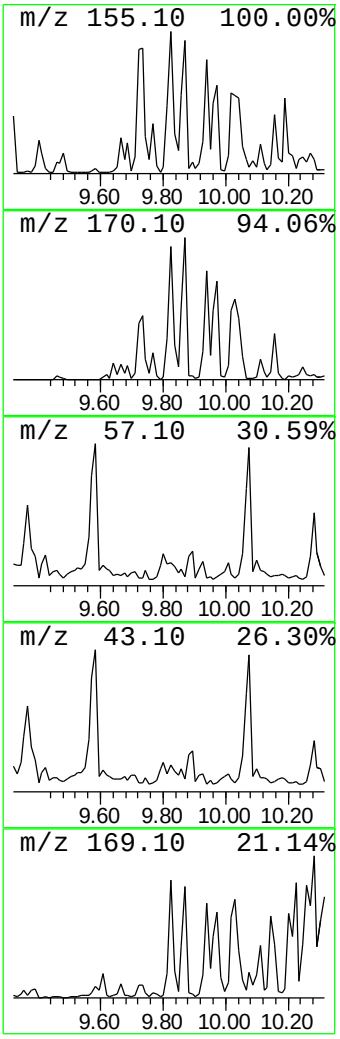
Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	36.41 ng	8610790	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	90
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	87





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Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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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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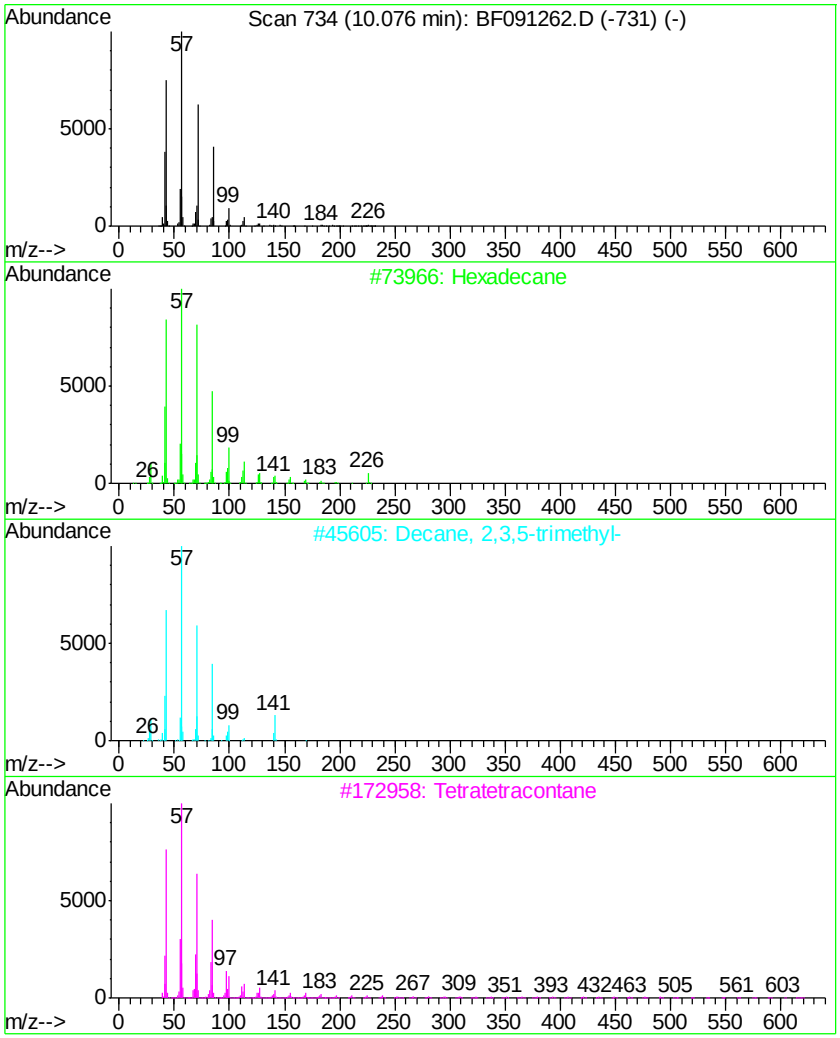
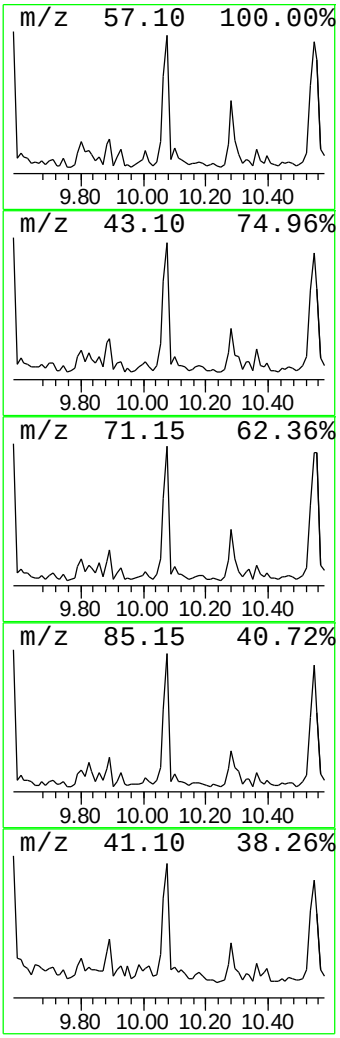
Peak Number 10 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	66.74 ng	15785400	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3	Tetratetracontane	619	C44H90	007098-22-8	83
4	Eicosane	282	C20H42	000112-95-8	80
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	74





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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : UST-SW2

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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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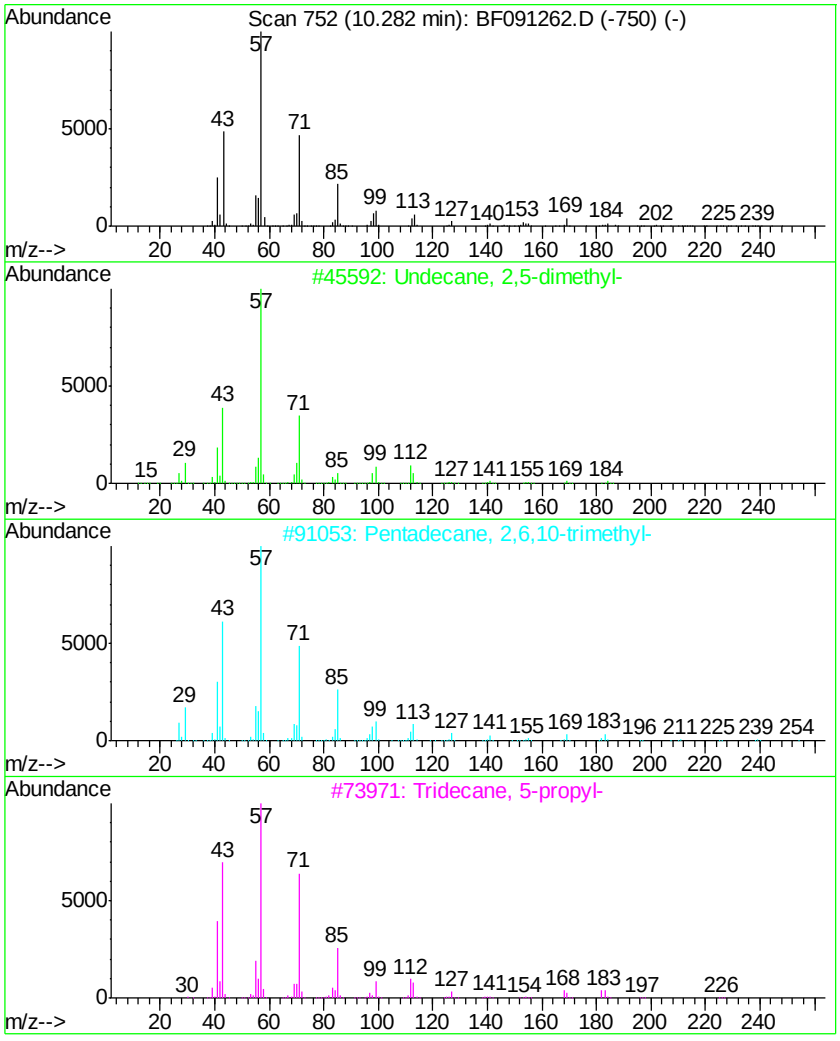
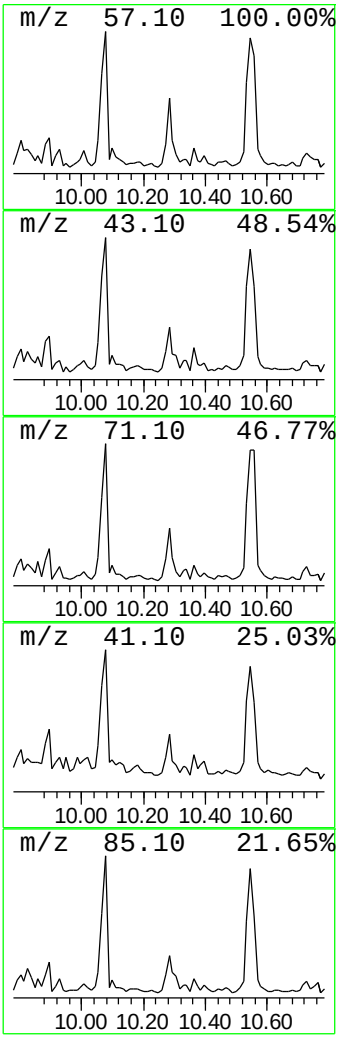
Peak Number 11 Undecane, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	32.34 ng	7649330	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	81
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	59
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	59





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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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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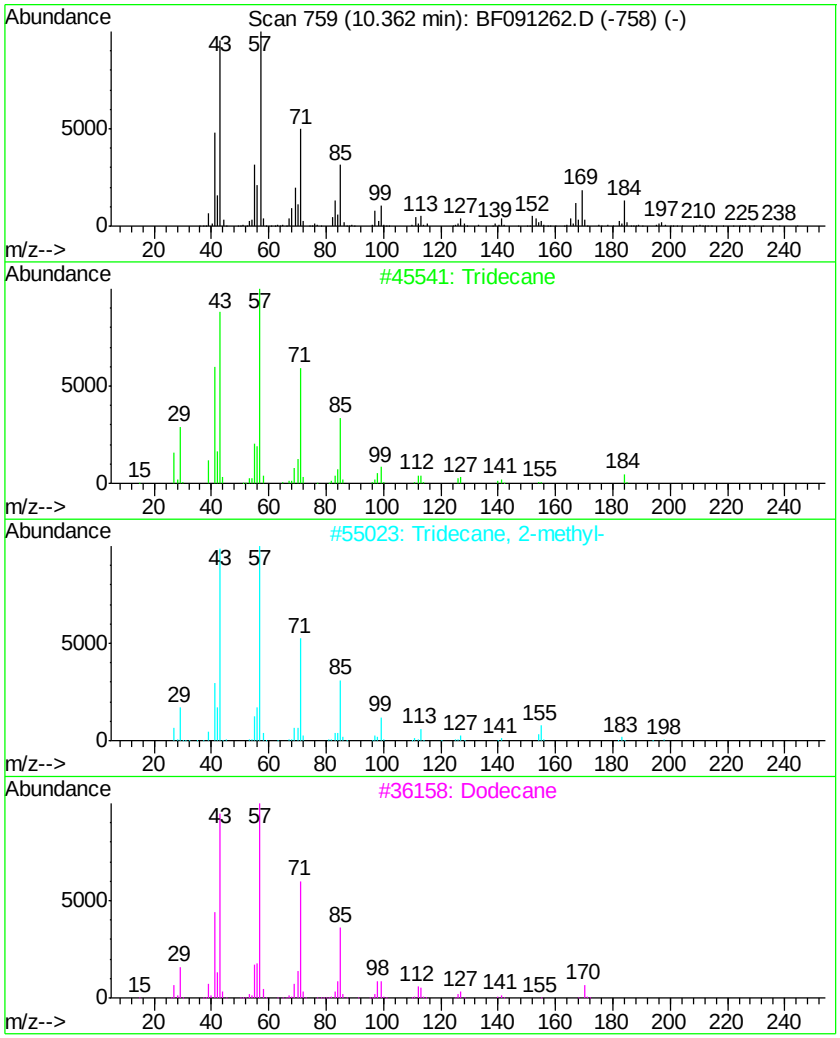
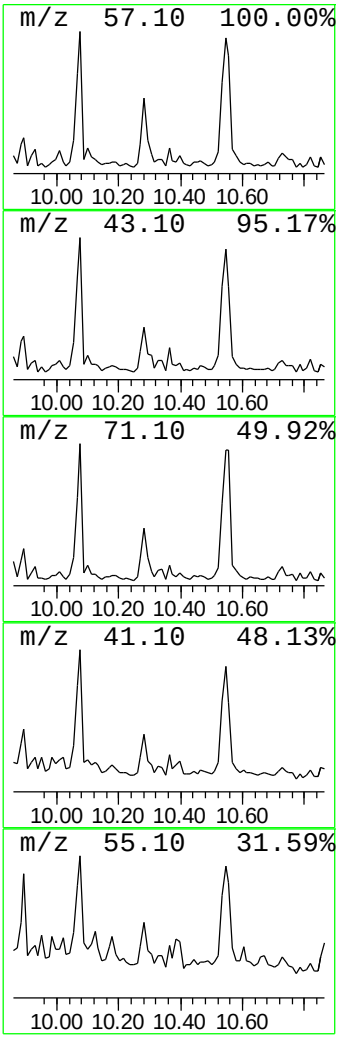
Peak Number 12 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	33.46 ng	2133540	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	89
3	Dodecane	170	C12H26	000112-40-3	70
4	Dotriacontane	451	C32H66	000544-85-4	64
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	62





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Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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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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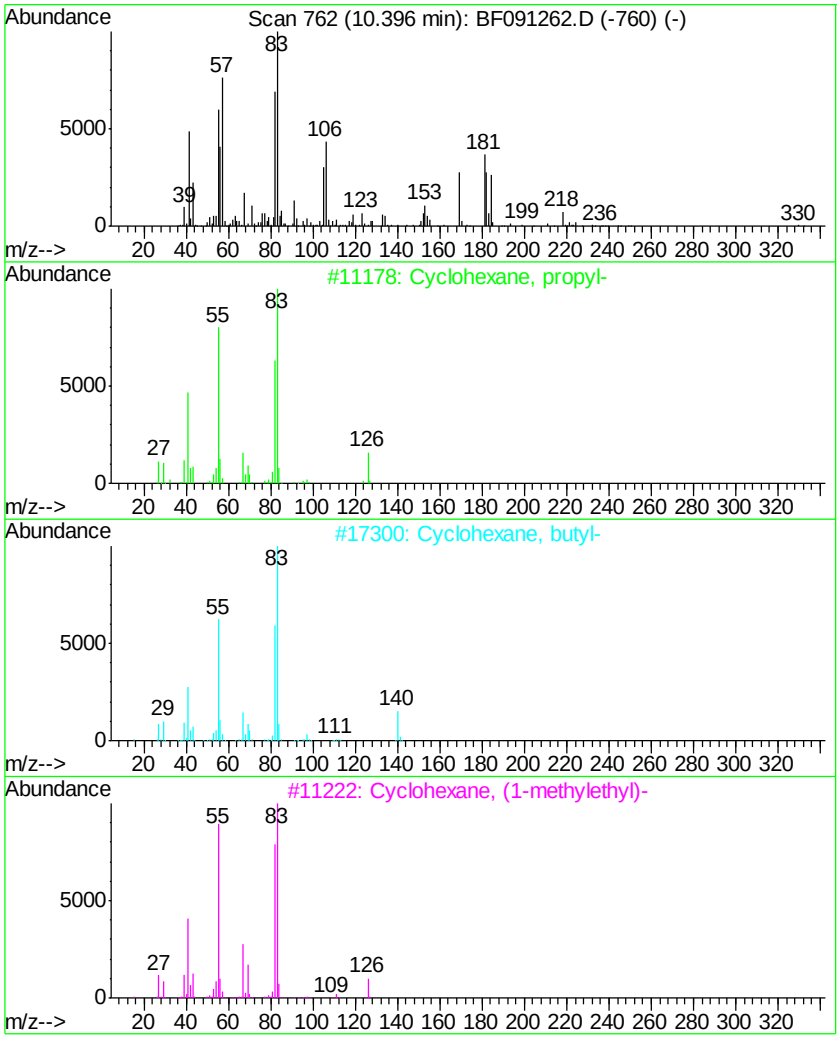
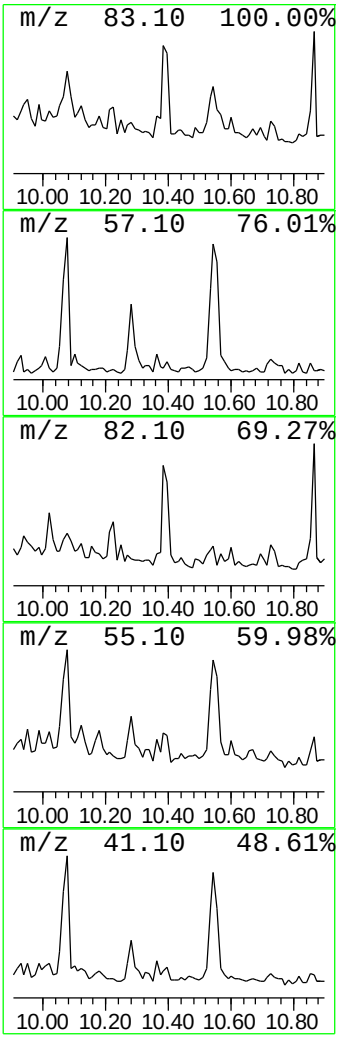
Peak Number 13 unknown10.40 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	49.49 ng	3155370	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	27
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	27
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	27
4	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	25
5	Boron, (N-cyclohexylcyclohexanam...	399	C15H23BF9N	128354-00-7	22





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Sample : H5660-04 50X
Misc :
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Instrument : BNA_F
ClientSampleId : UST-SW2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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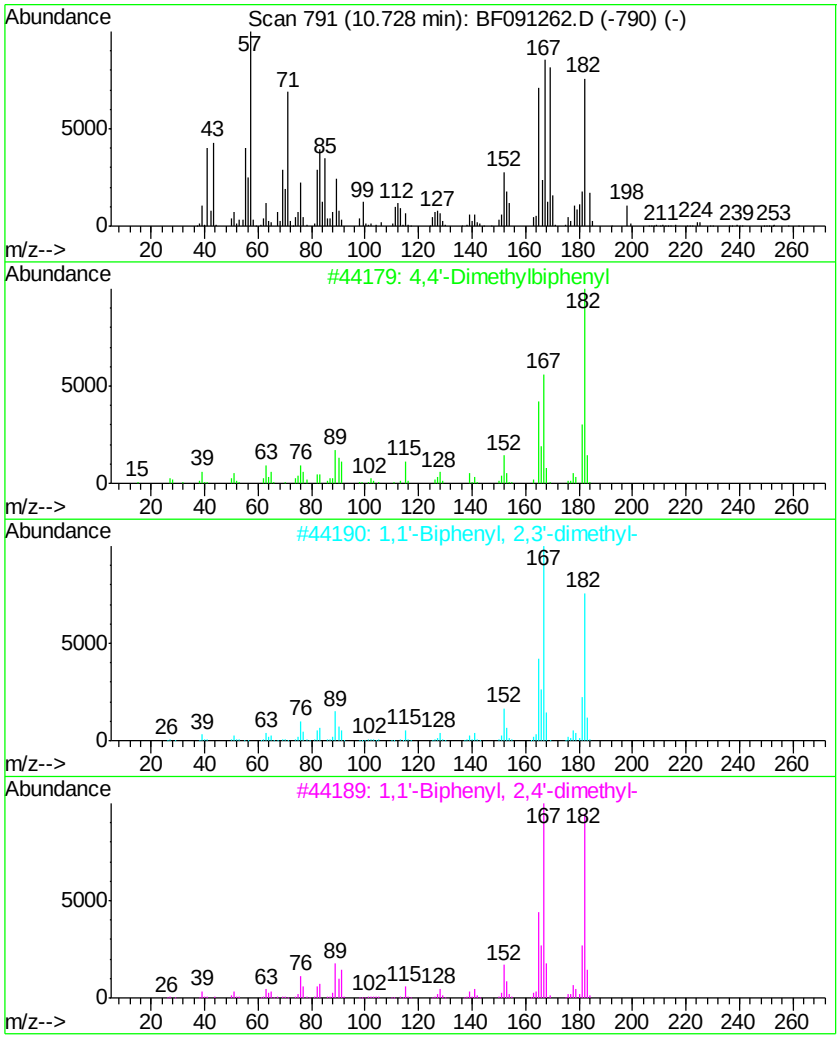
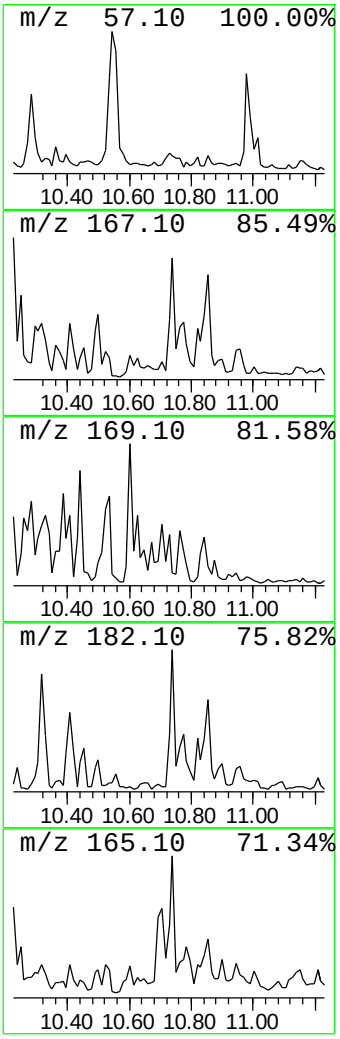
Peak Number 15 4,4'-Dimethylbiphenyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	89.79 ng	5725110	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	60
3	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	60
4	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	53
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	53





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Misc :
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Instrument : BNA_F
ClientSampleId : UST-SW2

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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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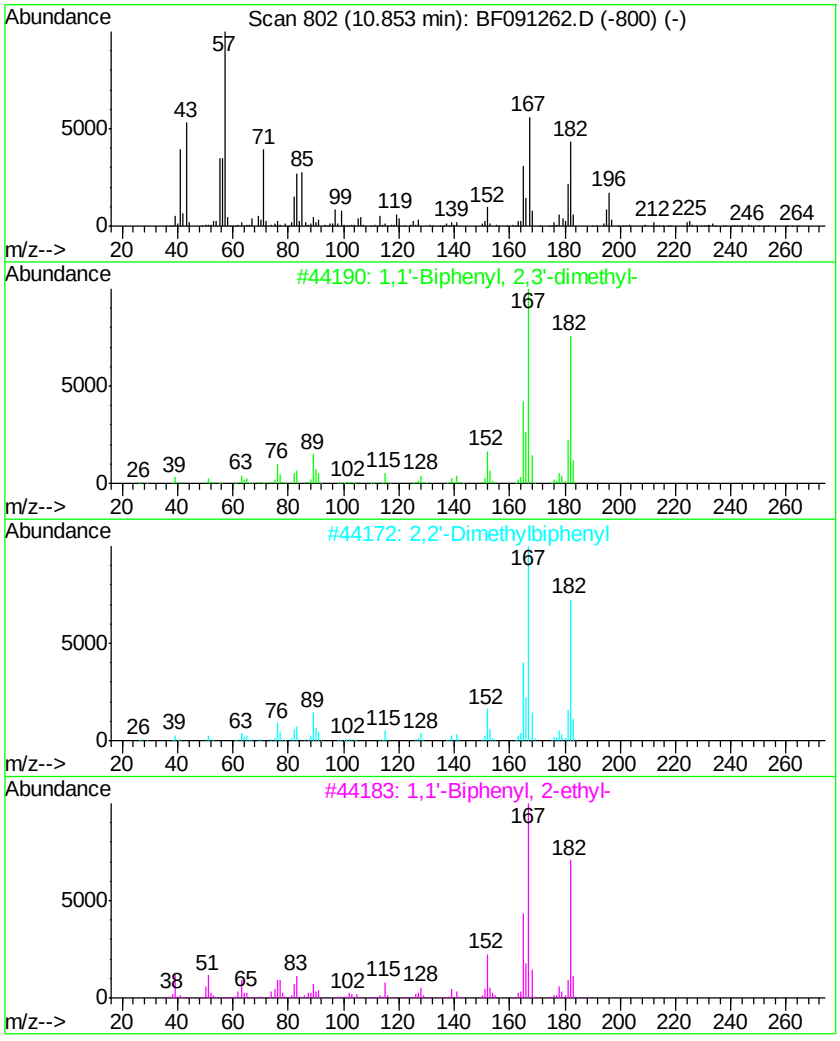
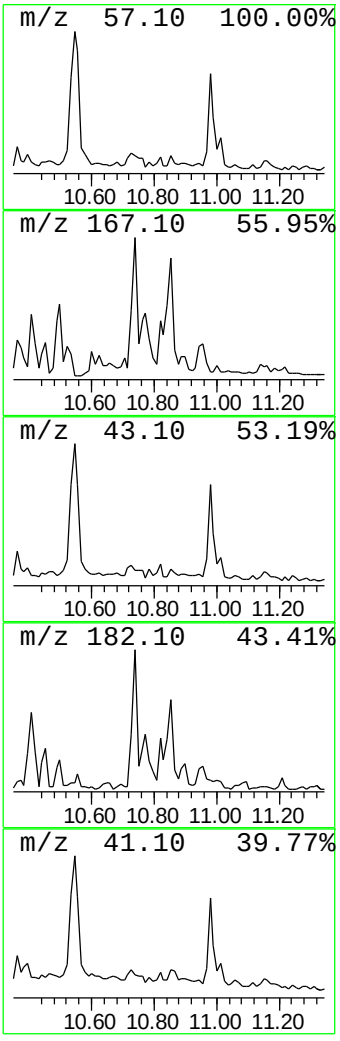
Peak Number 16 unknown10.85 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	38.96 ng	2484250	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	49
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	49
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	45
4	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	43
5	4-Ethylbiphenyl	182	C14H14	005707-44-8	35





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

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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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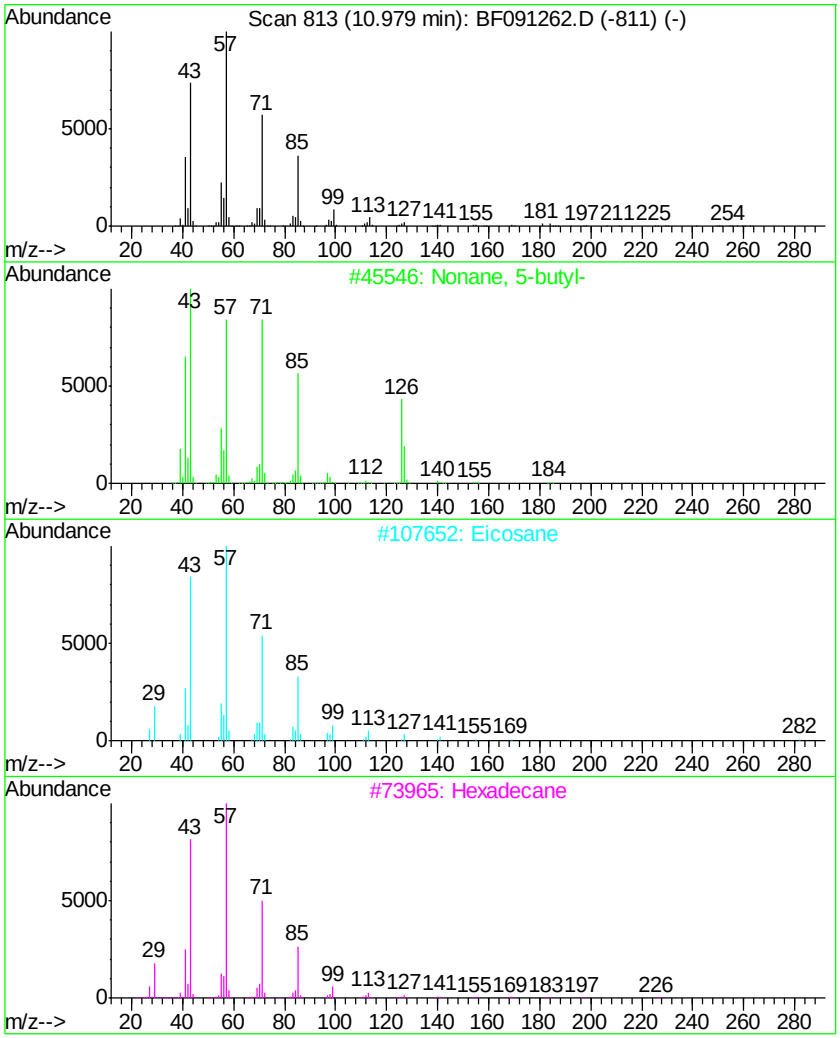
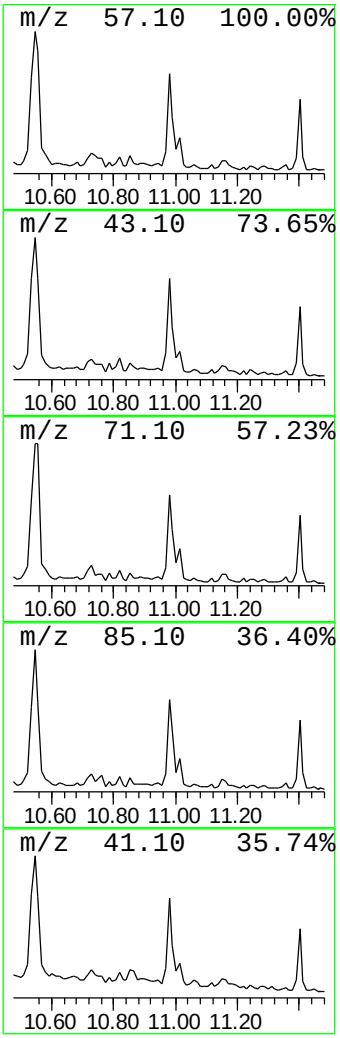
Peak Number 17 Nonane, 5-butyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	211.55 ng	13488700	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





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Instrument : BNA_F
ClientSampleId : UST-SW2

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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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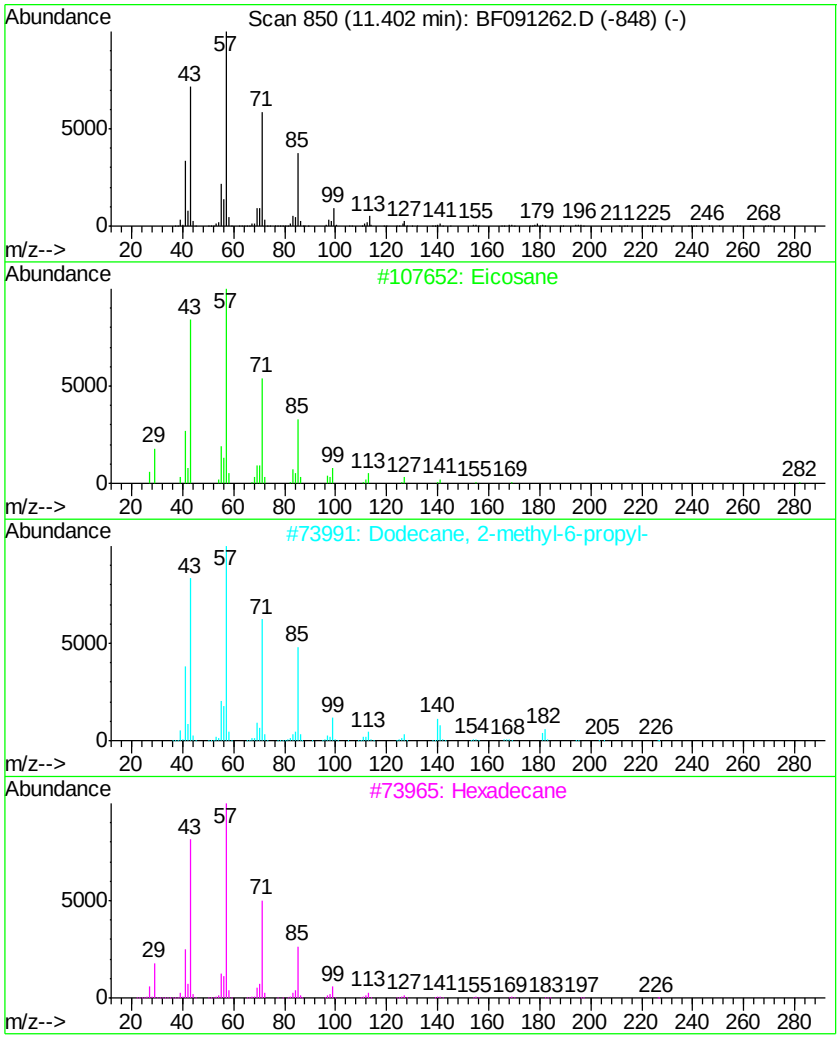
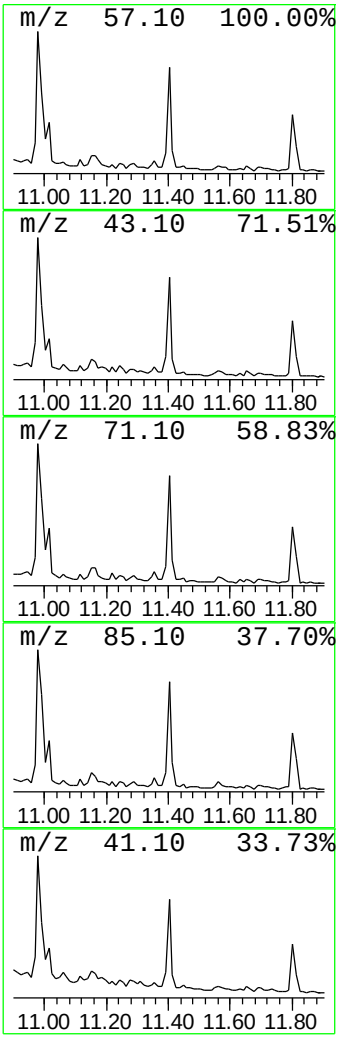
Peak Number 18 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	91.86 ng	5857210	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Octadecane	254	C18H38	000593-45-3	86
5	Heneicosane	296	C21H44	000629-94-7	83





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Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

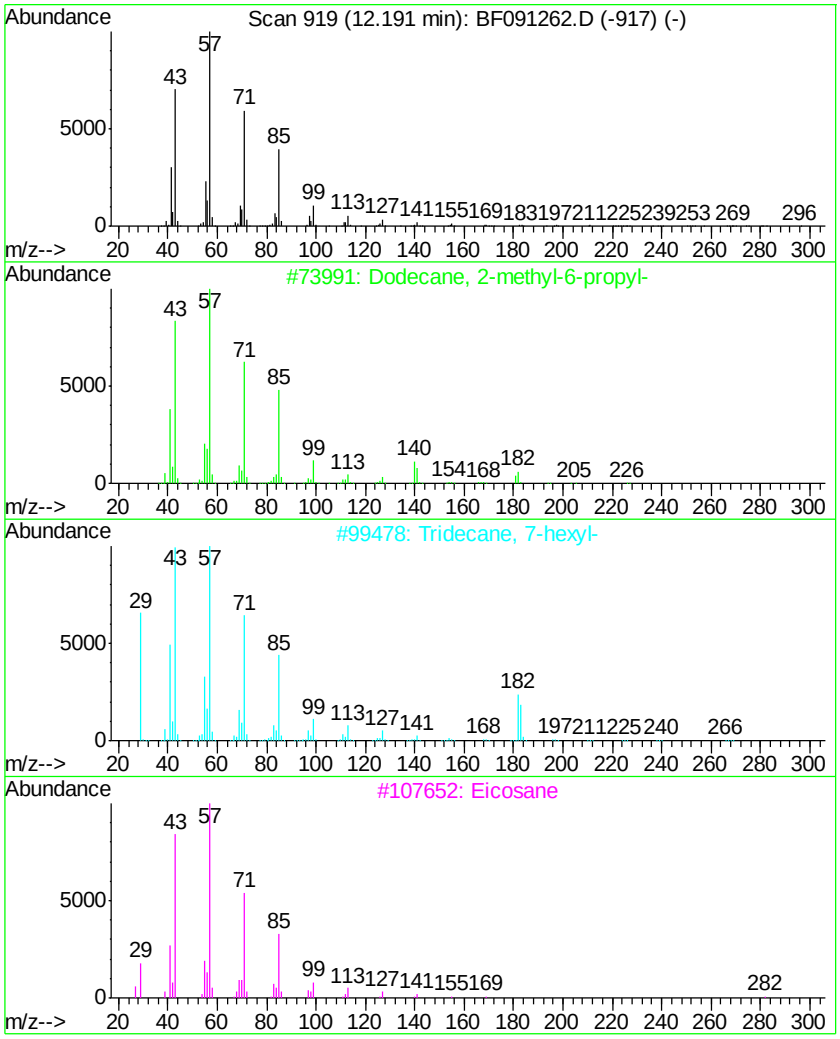
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

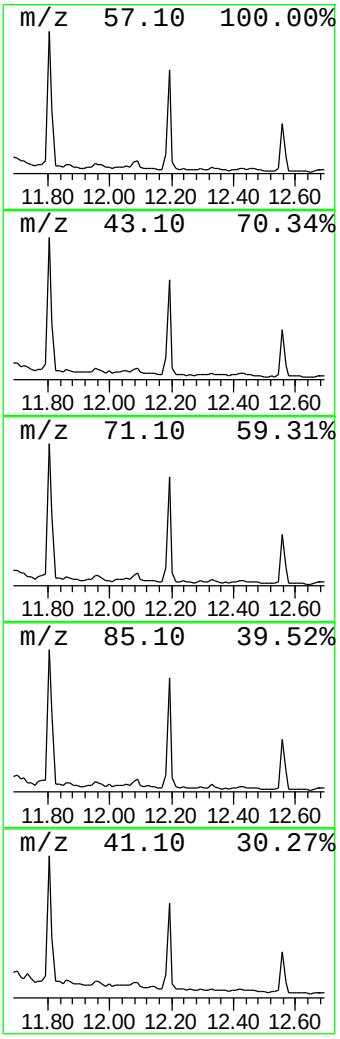
****

Peak Number 20 Dodecane, 2-methyl-6-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	38.61 ng	2461580	Phenanthrene-d10	11.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	94
2	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	93
3	Eicosane	282	C20H42	000112-95-8	91
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5	Heneicosane	296	C21H44	000629-94-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112116\
Data File : BF091262.D
Acq On : 22 Nov 2016 00:31
Operator : UM/SJ
Sample : H5660-04 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-SW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112116.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
unknown6.10	6.10	47.5	ng	2776100	1	6.57	1169470	20.0
Decane	6.42	88.1	ng	5149050	1	6.57	1169470	20.0
Cyclohexane, butyl-	6.73	47.1	ng	2756620	1	6.57	1169470	20.0
Dodecane, 2-methyl-	6.98	55.8	ng	3264070	1	6.57	1169470	20.0
Tetradecane	7.20	141.1	ng	8251890	1	6.57	1169470	20.0
Heptylcyclohexane	8.78	43.7	ng	10343700	3	9.62	4730400	20.0
Naphthalene, 2,6-...	9.22	45.4	ng	10732000	3	9.62	4730400	20.0
Naphthalene, 2,3-...	9.29	64.3	ng	15213500	3	9.62	4730400	20.0
Naphthalene, 1,4,...	9.82	36.4	ng	8610790	3	9.62	4730400	20.0
Hexadecane	10.08	66.7	ng	15785400	3	9.62	4730400	20.0
Undecane, 2,5-dim...	10.28	32.3	ng	7649330	3	9.62	4730400	20.0
Tridecane	10.36	33.5	ng	2133540	4	11.09	1275230	20.0
unknown10.40	10.40	49.5	ng	3155370	4	11.09	1275230	20.0
4,4'-Dimethylbiph...	10.73	89.8	ng	5725110	4	11.09	1275230	20.0
unknown10.85	10.85	39.0	ng	2484250	4	11.09	1275230	20.0
Nonane, 5-butyl-	10.98	211.6	ng	13488700	4	11.09	1275230	20.0
Eicosane	11.40	91.9	ng	5857210	4	11.09	1275230	20.0
Dodecane, 2-methy...	12.19	38.6	ng	2461580	4	11.09	1275230	20.0