LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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-BF052316.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	1.644	3	5	45	rVB	3146368	6157142	75.48%	5.914%
2	4.787	278	280	295	rBV	89363	264335	3.24%	0.254%
3	5.210	315	317	321	rVV	117903	175030	2.15%	0.168%
4	5.324	324	327	333	rVB	158565	248168	3.04%	0.238%
5	5.427	333	336	341	rBV	2176934	3697299	45.32%	3.551%
6	5.496	341	342	346	rVV2	97170	191314	2.35%	0.184%
7	5.827	368	371	374	rBV	844066	1078750	13.22%	1.036%
8	6.090	390	394	398	rVB2	68592	201100	2.47%	0.193%
9	6.204	402	404	407	rVB	170859	202424	2.48%	0.194%
10	6.319	407	414	416	rBV4	107433	396151	4.86%	0.380%
11	6.364	416	418	421	rVB	228241	347216	4.26%	0.333%
12	6.444	421	425	428	rBV2	100876	246472	3.02%	0.237%
13	6.662	438	444	448	rVB	256924	398023	4.88%	0.382%
14	6.742	448	451	452	rBV	234088	354880	4.35%	0.341%
15	6.764	452	453	456	rVV	420106	551210	6.76%	0.529%
16	6.822	456	458	463	rVB	644790	856042	10.49%	0.822%
17	6.913	463	466	468	rBV	620824	766735	9.40%	0.736%
18	7.062	475	479	482	rBV	2638021	3836522	47.03%	3.685%
19	7.107	482	483	486	rVV2	187062	281411	3.45%	0.270%
20	7.176	486	489	494	rVB	2594861	3919522	48.05%	3.765%
21	7.313	498	501	504	rBV	2105161	2783921	34.13%	2.674%
22	7.450	511	513	517	rVB2	66121	176210	2.16%	0.169%
23	7.519	517	519	524	rVB2	639298	1092507	13.39%	1.049%
24	7.599	524	526	529	rVB	340791	446795	5.48%	0.429%
25	7.667	529	532	535	rBV2	190601	396657	4.86%	0.381%
26	7.759	537	540	542	rBV	1972385	2936010	35.99%	2.820%
27	7.805	542	544	549	rVB2	148118	318549	3.90%	0.306%
28	7.942	554	556	558	rBV	110948	161394	1.98%	0.155%
29	8.022	561	563	565	rVB	418000	477881	5.86%	0.459%
30	8.067	565	567	569	rVB2	523204	643133	7.88%	0.618%
31	8.125	569	572	575	rBV	693750	1005332	12.32%	0.966%
32	8.193	575	578	581	rVB	485402	679340	8.33%	0.652%
33	8.399	592	596	597	rBV	334308	607024	7.44%	0.583%
34	8.433	597	599	606	rVB	1766082	2324548	28.49%	2.233%

LSC Area Percent Report

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Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.547	606	609	611	rBV	2400474	3060361	37.51%	2.939%
36	8.627	614	616	619	rBV2	113736	245540	3.01%	0.236%
37	8.707	621	623	626	rVB2	204982	371972	4.56%	0.357%
38	8.776	626	629	630	rBV	404755	686368	8.41%	0.659%
39	8.810	630	632	640	rVB	733138	1288136	15.79%	1.237%
40	8.925	640	642	643	rBV	124884	147093	1.80%	0.141%
41	8.970	643	646	648	rBV3	191275	380026	4.66%	0.365%
42	9.016	648	650	651	rVB2	146996	169349	2.08%	0.163%
43	9.050	651	653	656	rVB3	229758	485003	5.95%	0.466%
44	9.153	658	662	664	rBV2	760472	1847683	22.65%	1.775%
45	9.199	664	666	667	rVB	262135	265644	3.26%	0.255%
46	9.245	667	670	673	rVB3	597944	1196772	14.67%	1.149%
47	9.325	673	677	679	rVB3	590562	1090901	13.37%	1.048%
48	9.393	679	683	687	rVB	394658	738433	9.05%	0.709%
49	9.553	692	697	698	rBV	789108	1614279	19.79%	1.550%
50	9.576	698	699	701	rVV	617577	844268	10.35%	0.811%
51	9.633	701	704	707	rVB	3228155	5021564	61.55%	4.823%
52	9.759	709	715	717	rVB2	909172	1522204	18.66%	1.462%
53	9.805	717	719	720	rBV	240409	343550	4.21%	0.330%
54	9.839	720	722	724	rVB	316007	483473	5.93%	0.464%
55	9.908	724	728	730	rBV2	383254	642578	7.88%	0.617%
56	9.976	732	734	735	rBV	158437	178260	2.19%	0.171%
57	10.022	735	738	741	rVB4	416020	877354	10.75%	0.843%
58	10.079	741	743	746	rBV2	444176	807665	9.90%	0.776%
59	10.170	746	751	753	rBV2	909618	2096123	25.69%	2.013%
60	10.216	753	755	757	rVB2	806920	996799	12.22%	0.957%
61	10.273	757	760	763	rVB	1355004	1721844	21.11%	1.654%
62	10.342	763	766	768	rBV	1462401	2189185	26.84%	2.103%
63	10.491	777	779	781	rVV2	166347	187797	2.30%	0.180%
64	10.571	781	786	787	rVV4	162700	425476	5.22%	0.409%
65	10.639	787	792	794	rVV	4292338	8157851	100.00%	7.835%
66	10.719	794	799	802	rVV4	551981	1543560	18.92%	1.483%
67	10.776	802	804	807	rVV2	521655	979494	12.01%	0.941%
68	10.879	810	813	815	rVB2	228232	365241	4.48%	0.351%
69	10.936	815	818	819	rBV	293533	371419	4.55%	0.357%
70	11.039	825	827	828	rBV	126013	171928	2.11%	0.165%
71	11.085	828	831	832	rVV	1040717	1420432	17.41%	1.364%

LSC Area Percent Report

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Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.153	835	837	840	rVV	446380	718651	8.81%	0.690%
73	11.211	840	842	845	rVB	793539	1078748	13.22%	1.036%
74	11.279	845	848	849	rBV	649070	893250	10.95%	0.858%
75	11.325	849	852	855	rVV	2269169	3441296	42.18%	3.305%
76	11.439	858	862	866	rBV3	71429	161429	1.98%	0.155%
77	11.542	868	871	874	rVB	2491604	3254977	39.90%	3.126%
78	11.611	874	877	880	rBV2	122778	252151	3.09%	0.242%
79	11.954	904	907	909	rVV	111010	216271	2.65%	0.208%
80	12.011	911	912	915	rVV	356873	629208	7.71%	0.604%
81	12.376	941	944	949	rBV2	733169	1363938	16.72%	1.310%
82	13.211	1015	1017	1019	rBV	107515	146856	1.80%	0.141%
83	13.668	1054	1057	1060	rBV	1477291	2092416	25.65%	2.010%
84	13.988	1082	1085	1089	rBV2	106412	215446	2.64%	0.207%
85	14.777	1151	1154	1156	rVV	573895	956583	11.73%	0.919%
86	14.811	1156	1157	1160	rVB	146376	144900	1.78%	0.139%
87	15.611	1225	1227	1229	rBV	111551	173261	2.12%	0.166%
88	16.000	1259	1261	1269	rBV3	78571	267991	3.29%	0.257%
89	16.217	1277	1280	1283	rBV2	66503	162143	1.99%	0.156%
90	16.365	1290	1293	1294	rBV3	82331	157838	1.93%	0.152%
91	16.571	1310	1311	1313	rVB	130032	146515	1.80%	0.141%
92	16.731	1323	1325	1332	rVV3	76010	241019	2.95%	0.231%
93	16.880	1335	1338	1340	rVV	165065	246310	3.02%	0.237%
94	16.960	1343	1345	1351	rVB4	66281	145675	1.79%	0.140%
95	17.120	1357	1359	1362	rVB	1384382	1980985	24.28%	1.903%
96	17.680	1406	1408	1412	rVB	93870	159196	1.95%	0.153%
97	17.920	1427	1429	1430	rBV	139141	155269	1.90%	0.149%
98	18.468	1474	1477	1479	rBV2	545605	696634	8.54%	0.669%
99	19.737	1586	1588	1596	rVB	94640	253530	3.11%	0.244%
100	20.137	1620	1623	1627	rVB	440223	609798	7.47%	0.586%

Sum of corrected areas: 104116956

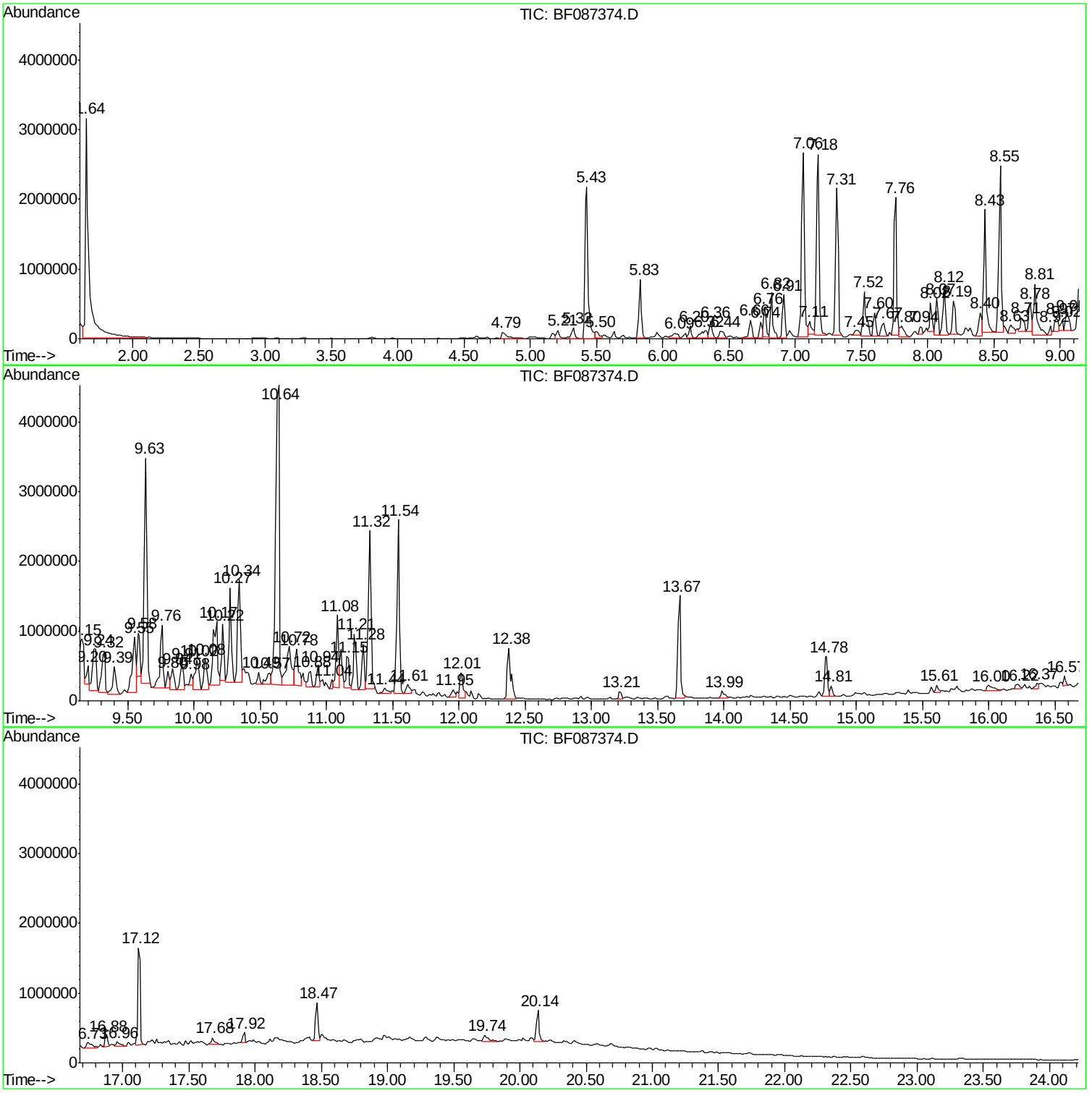
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

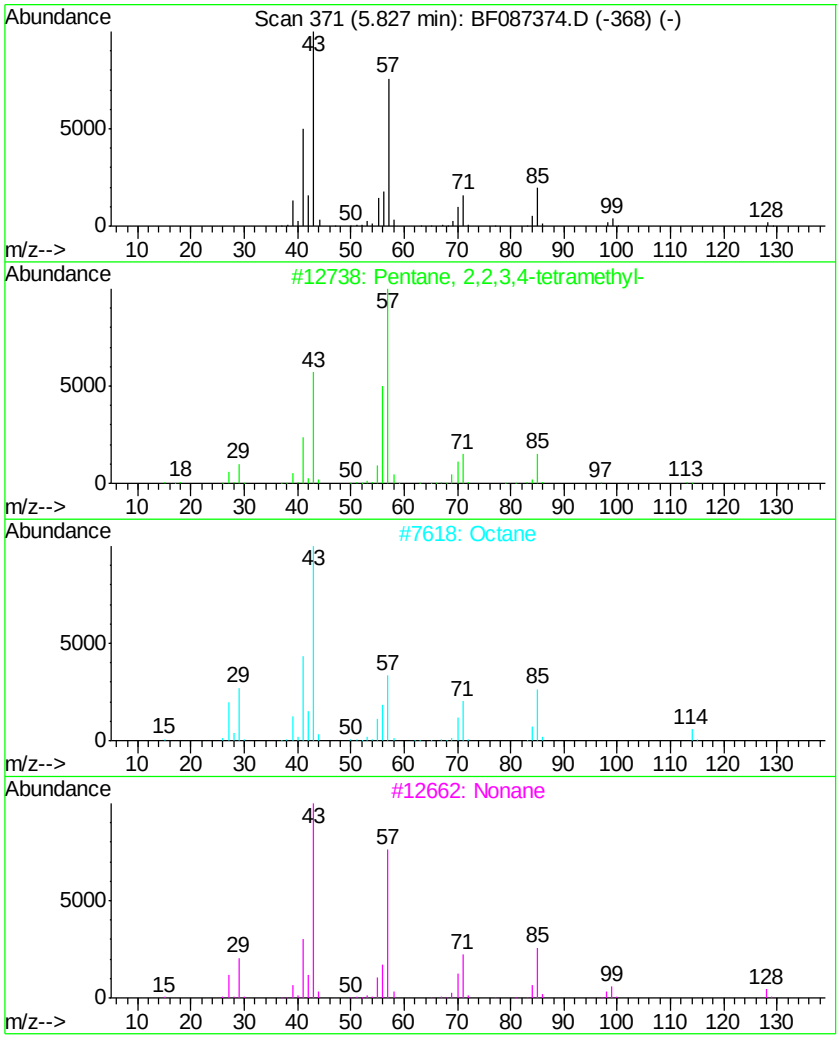
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

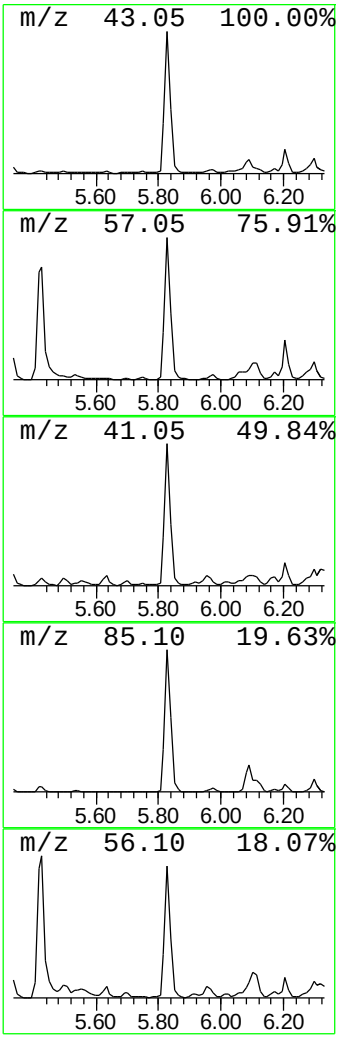
****

Peak Number 2 Pentane, 2,2,3,4-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	19.75 ng	1078750	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
2	Octane	114	C8H18	000111-65-9	64
3	Nonane	128	C9H20	000111-84-2	64
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

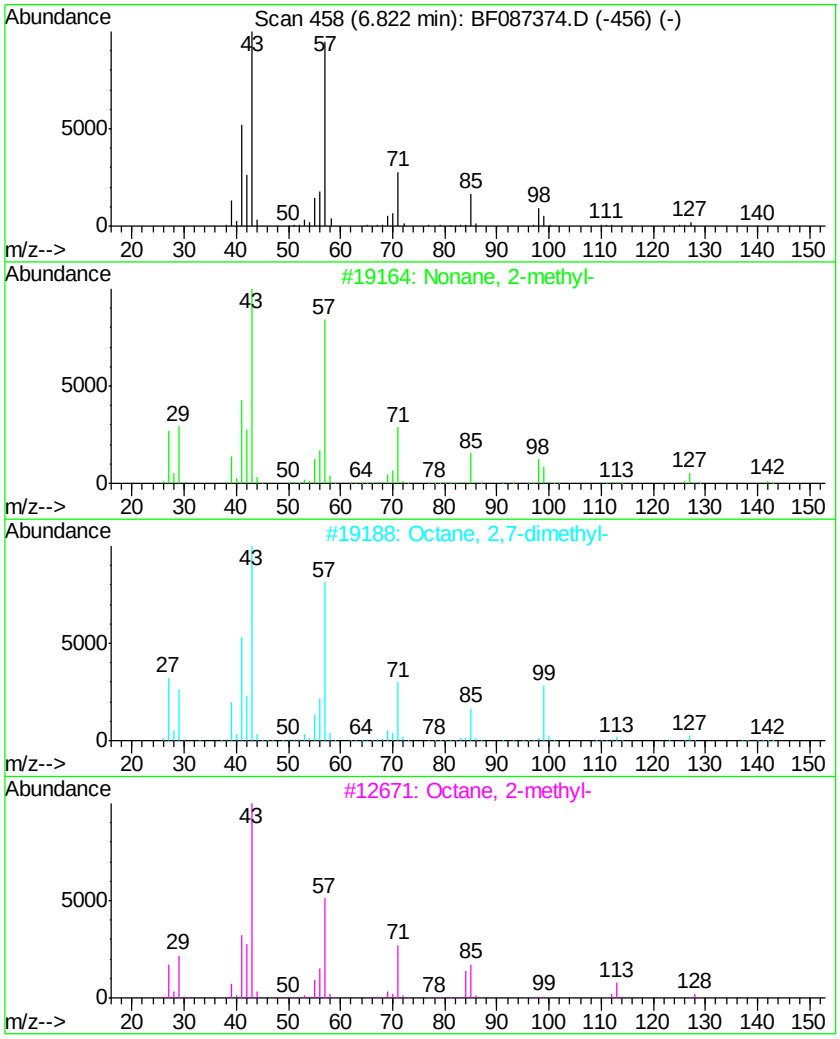
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

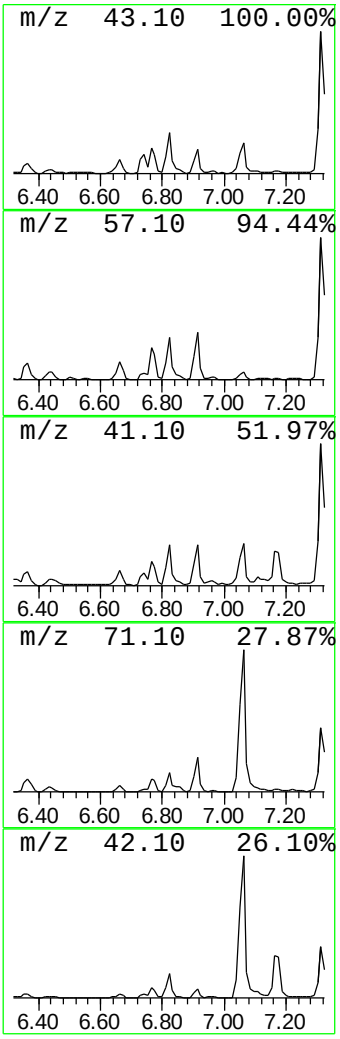
****

Peak Number 3 Nonane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	15.67 ng	856042	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	83
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	64
3	Octane, 2-methyl-	128	C9H20	003221-61-2	59
4	Decane	142	C10H22	000124-18-5	53
5	2-Bromononane	206	C9H19Br	002216-35-5	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

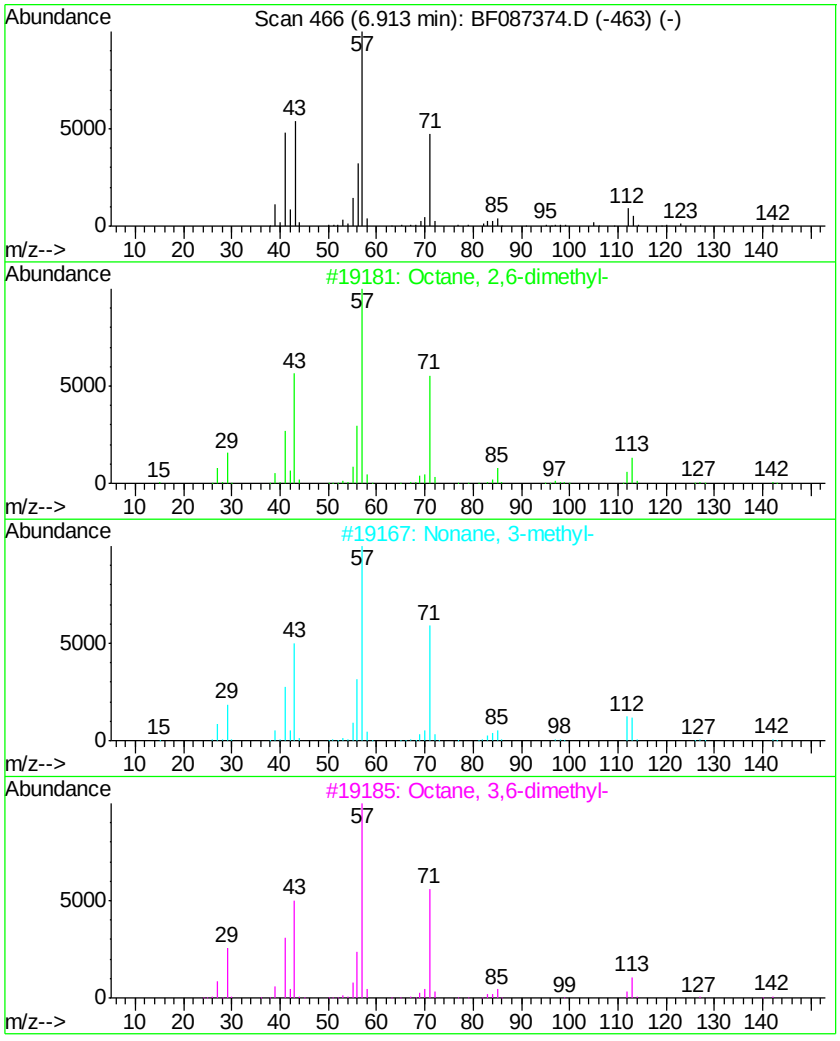
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

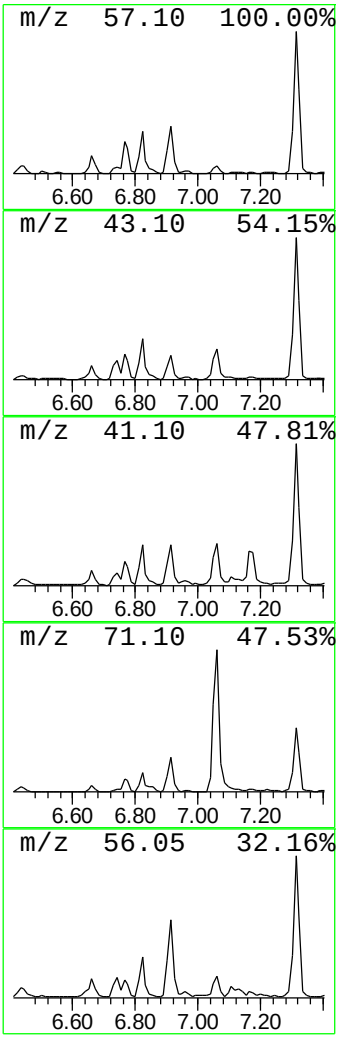
****

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	14.04 ng	766735	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

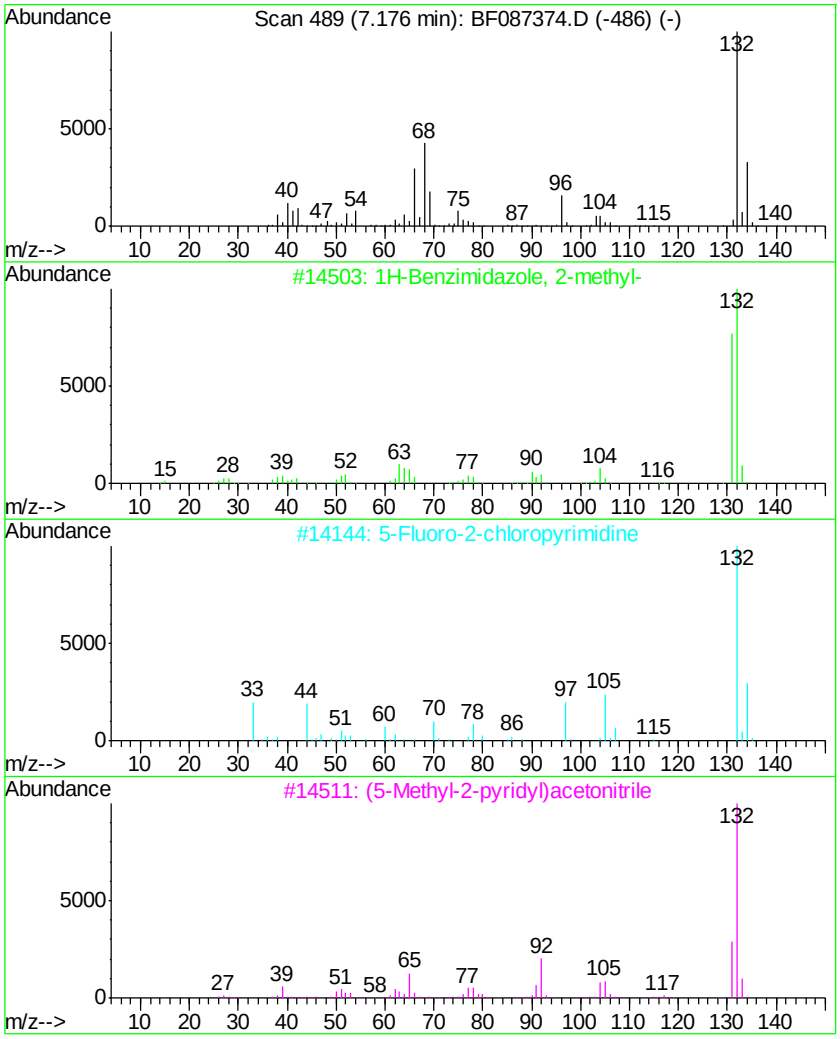
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

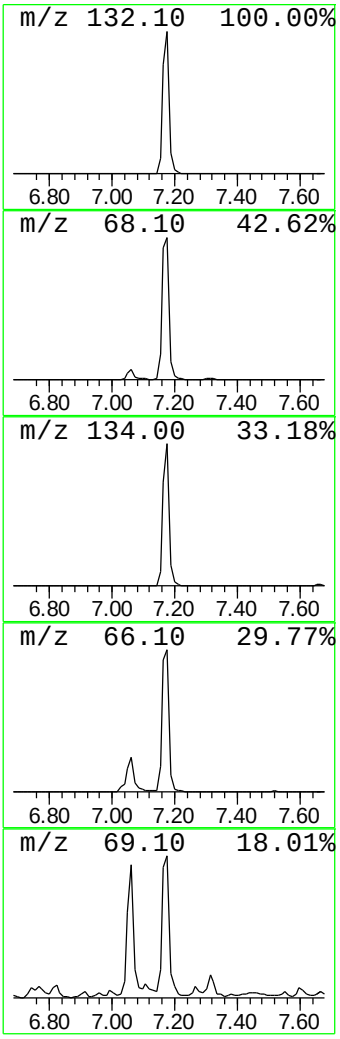
****

Peak Number 5 unknown7.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	71.75 ng	3919520	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

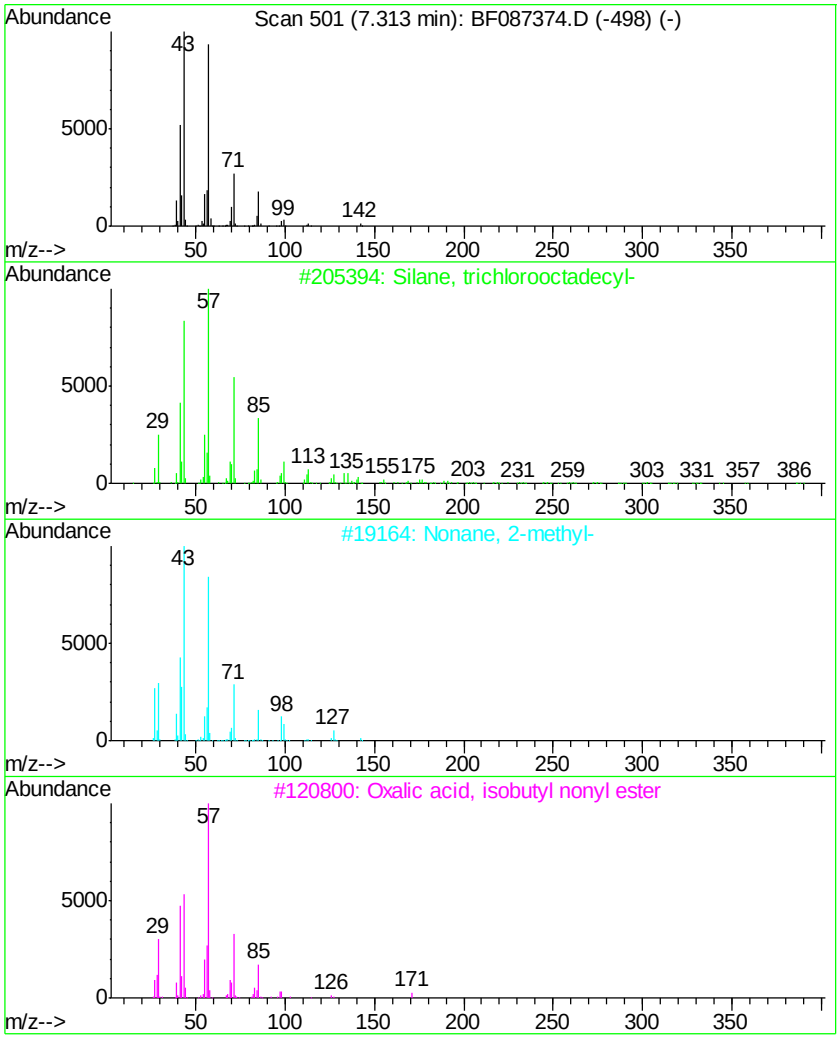
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

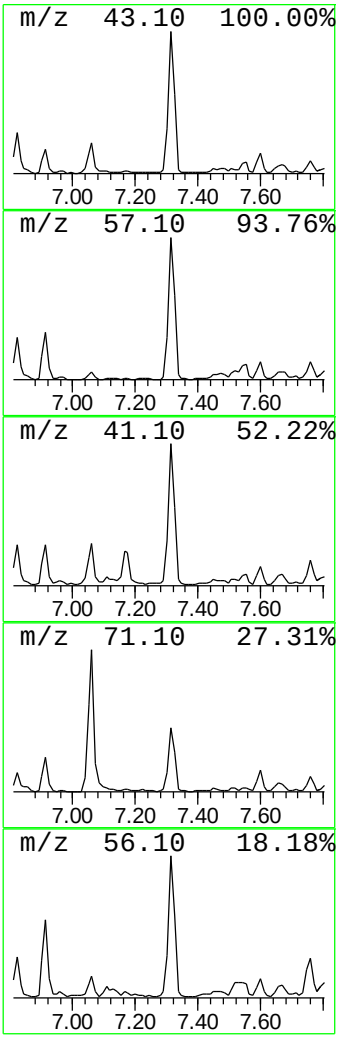
****

Peak Number 6 Silane, trichlorooctadecyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	50.96 ng	2783920	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	80
3	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	72
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5	Nonane	128	C9H20	000111-84-2	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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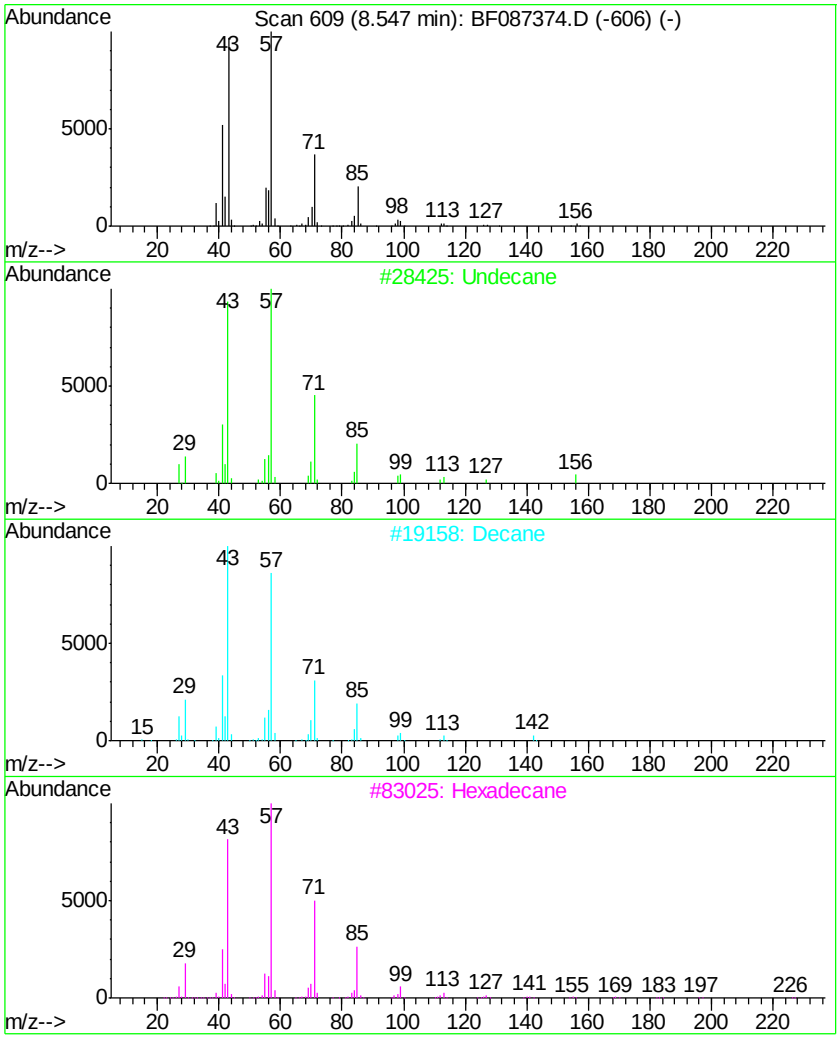
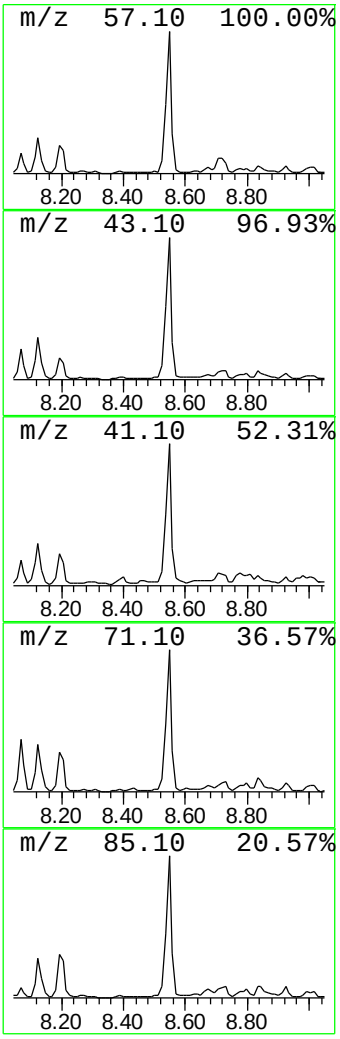
Peak Number 8 Undecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	37.92 ng	3060360	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Decane	142	C10H22	000124-18-5	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
5	Tridecane	184	C13H28	000629-50-5	72





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Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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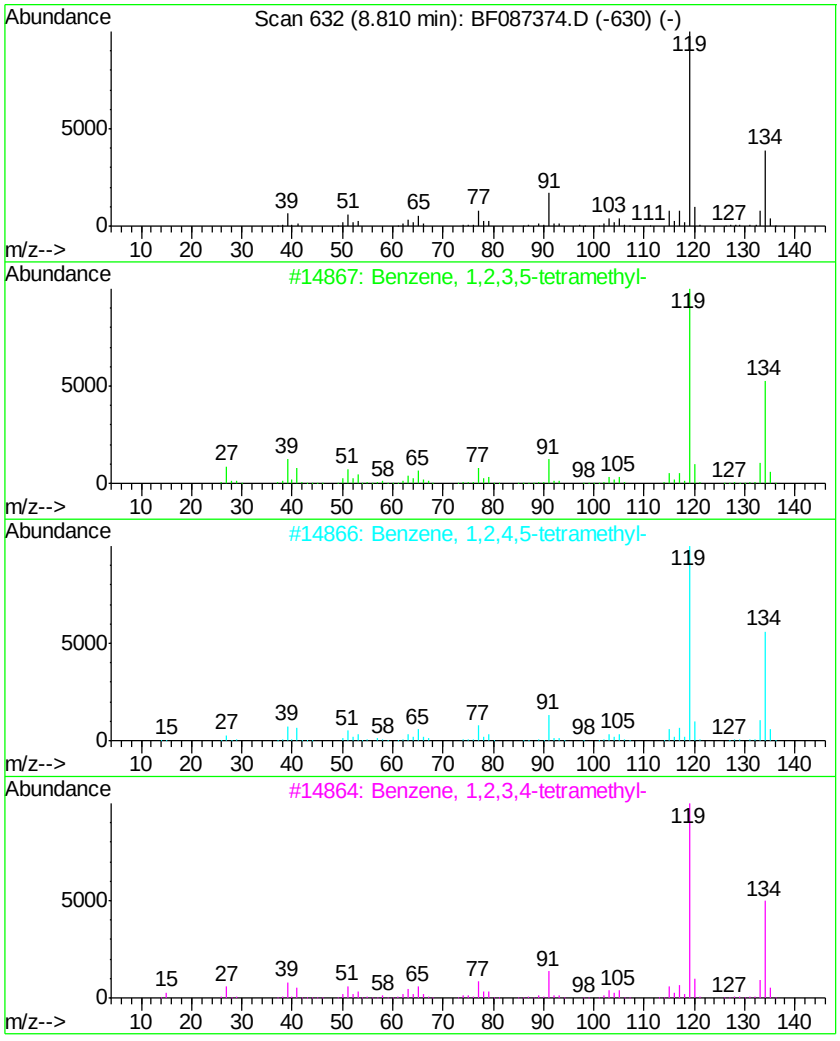
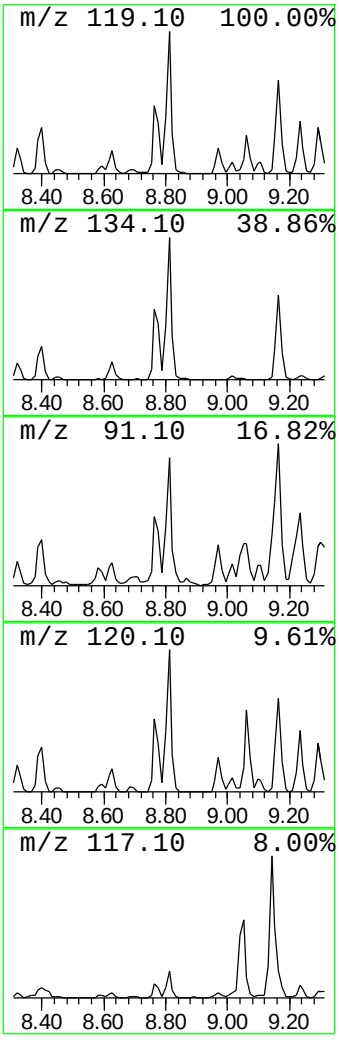
Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	15.96 ng	1288140	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	o-Cymene	134	C10H14	000527-84-4	94





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Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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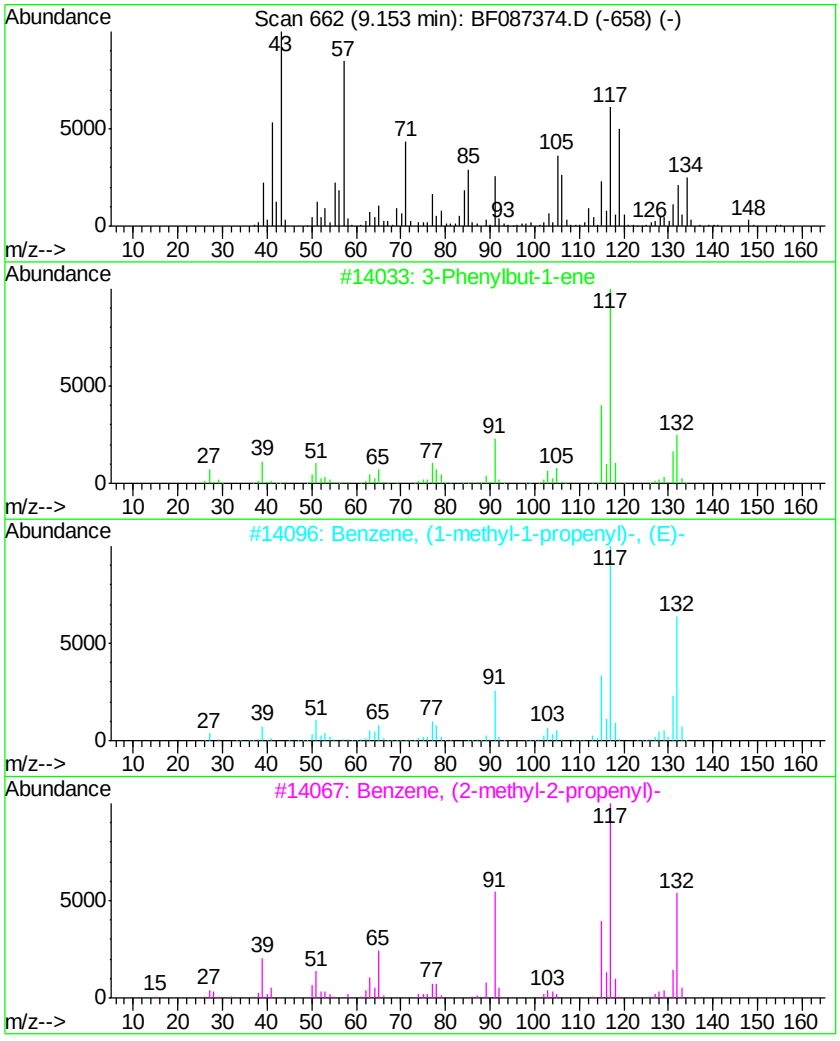
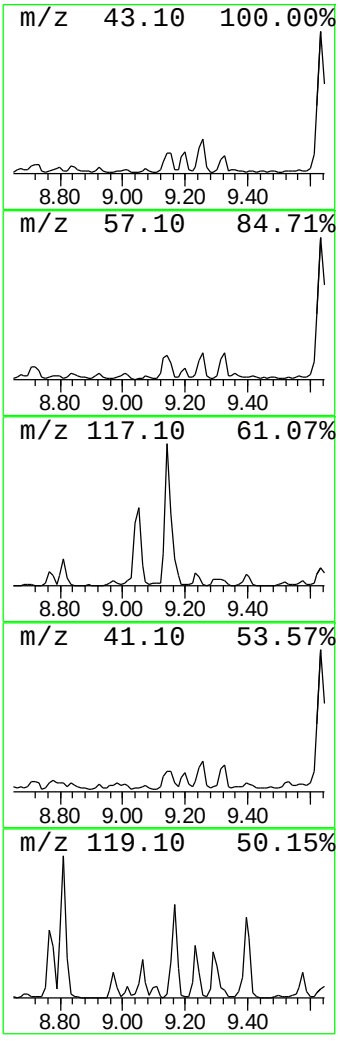
Peak Number 10 unknown9.15 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	22.89 ng	1847680	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	38
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	38
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	30
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	30
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	25





Library Search Compound Report

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Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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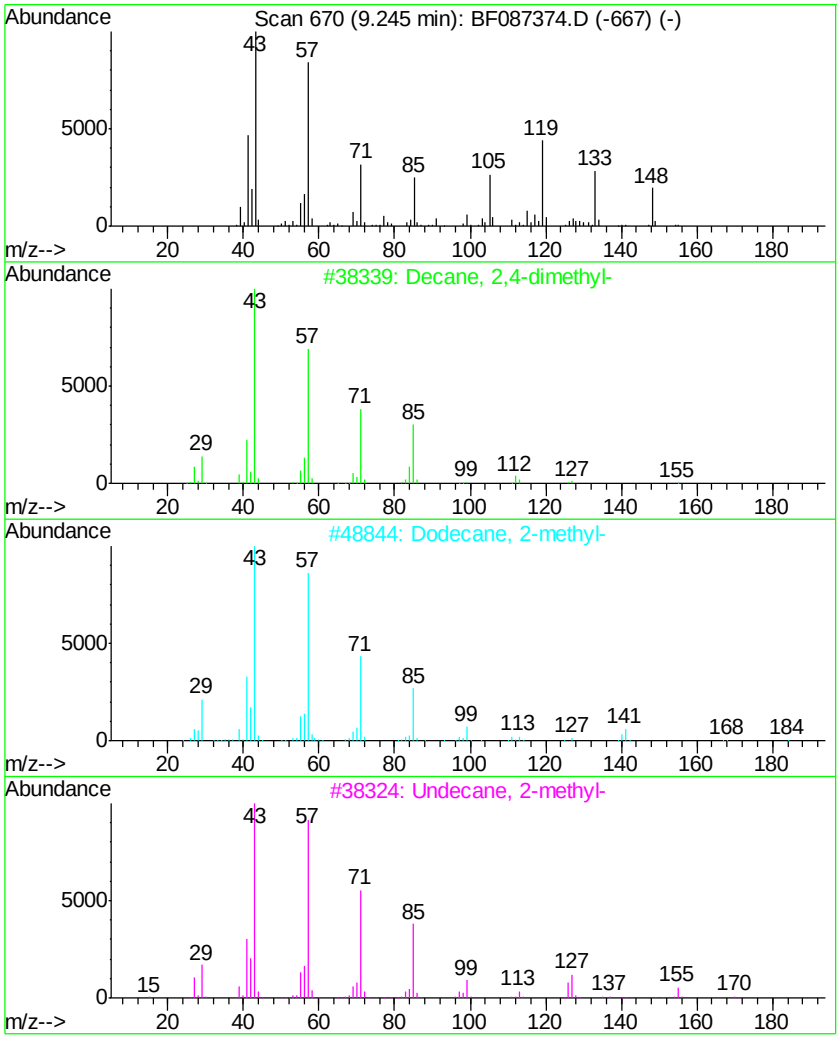
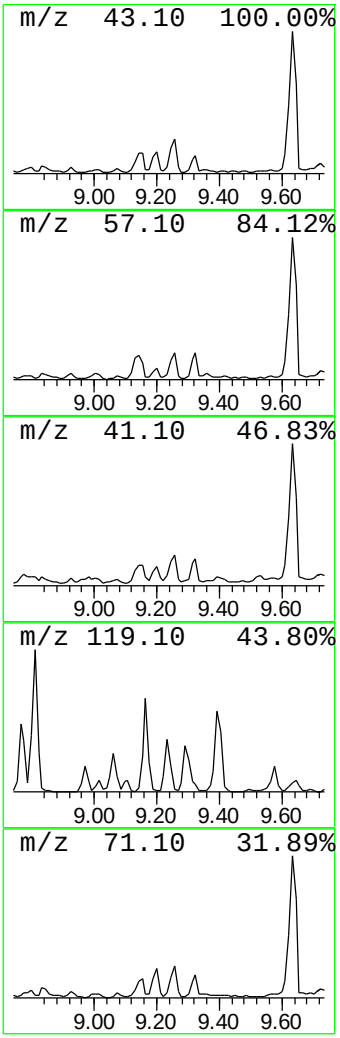
Peak Number 11 unknown9.24 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	14.83 ng	1196770	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	22
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	22
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	22
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	22
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	22





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Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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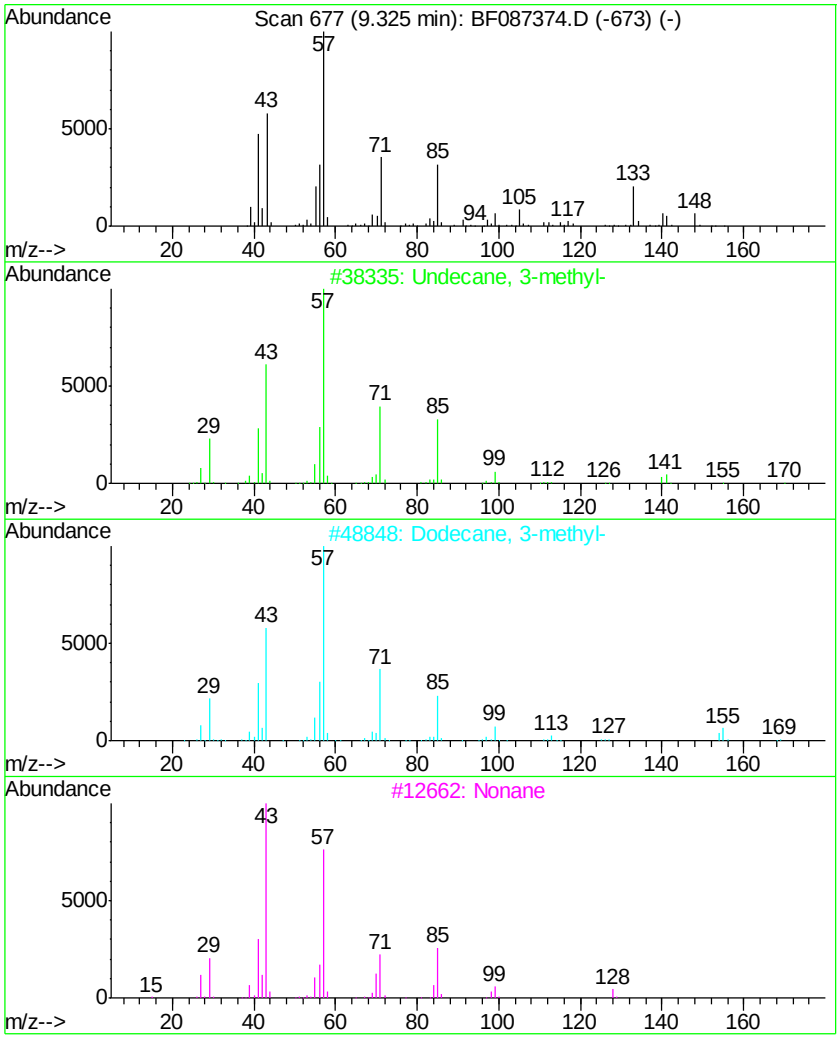
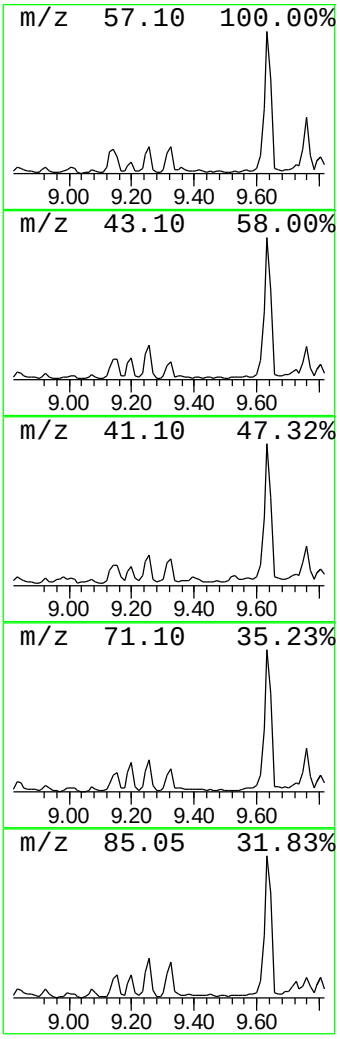
Peak Number 12 Undecane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	13.52 ng	1090900	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	58
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	52
3	Nonane	128	C9H20	000111-84-2	50
4	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	47
5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	47





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Sample : H3218-02
Misc :
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Instrument : BNA_F
ClientSampleId : E-3(13-15)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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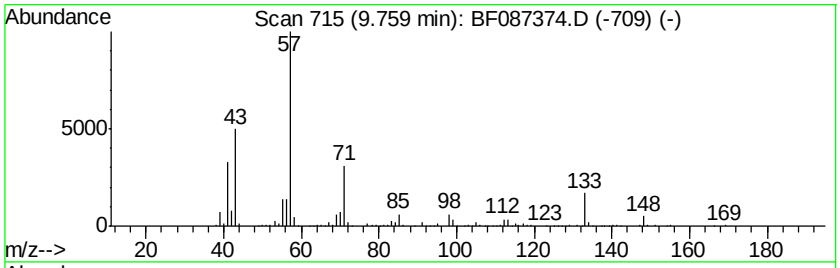
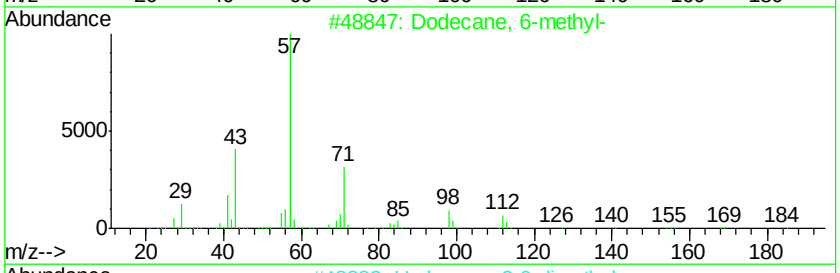
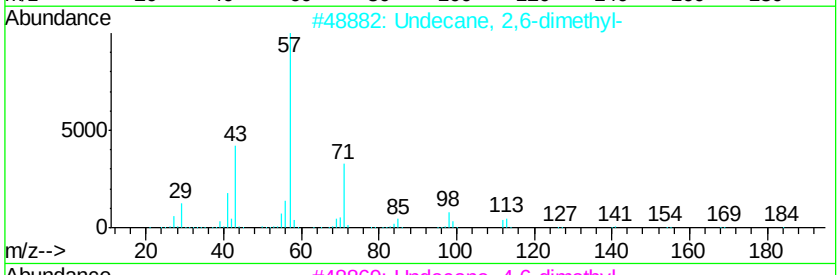
Peak Number 13 Dodecane, 6-methyl- Concentration Rank 14

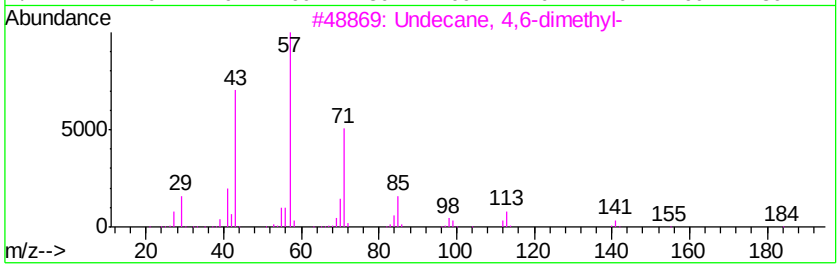
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	18.86 ng	1522200	Naphthalene-d8	9.55

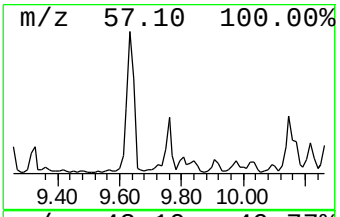
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	53
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5	Hexadecane	226	C16H34	000544-76-3	43

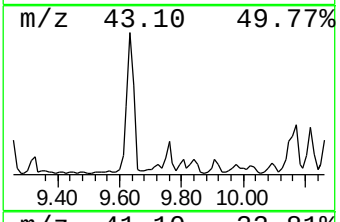


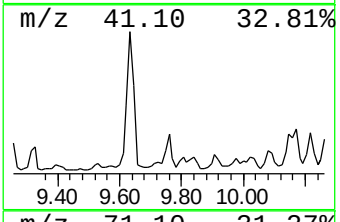


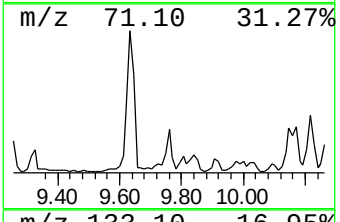


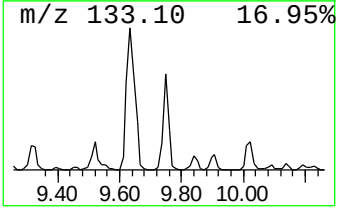












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Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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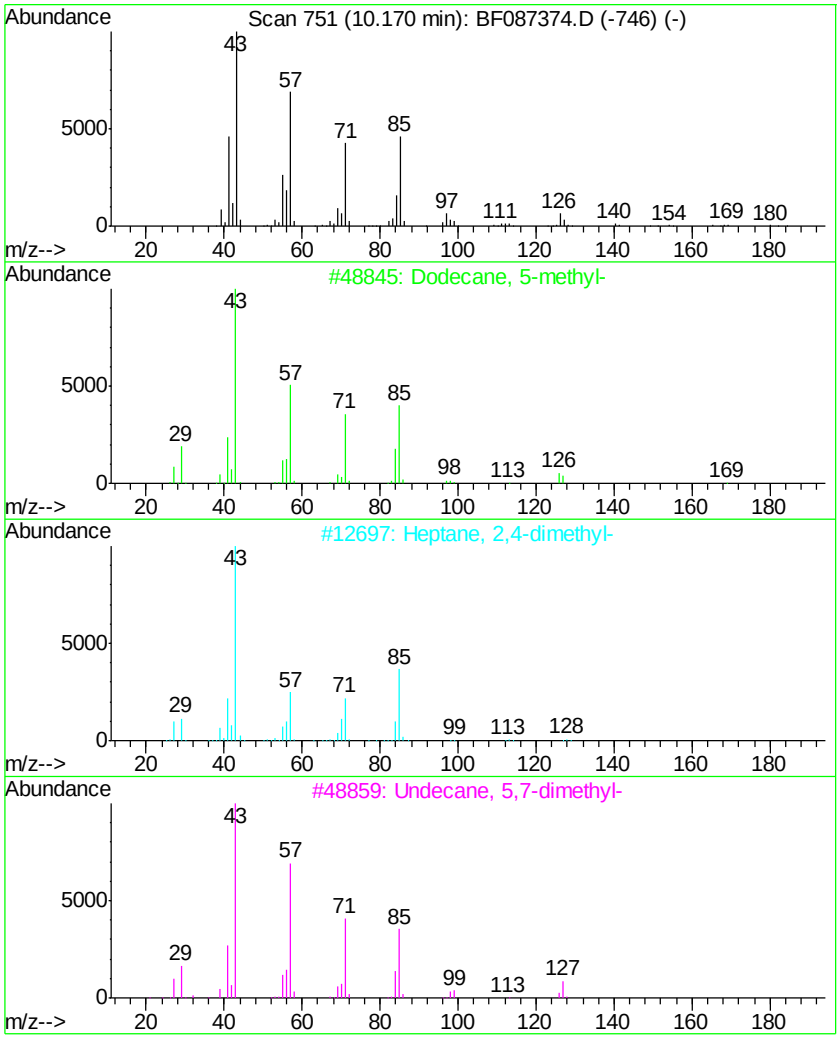
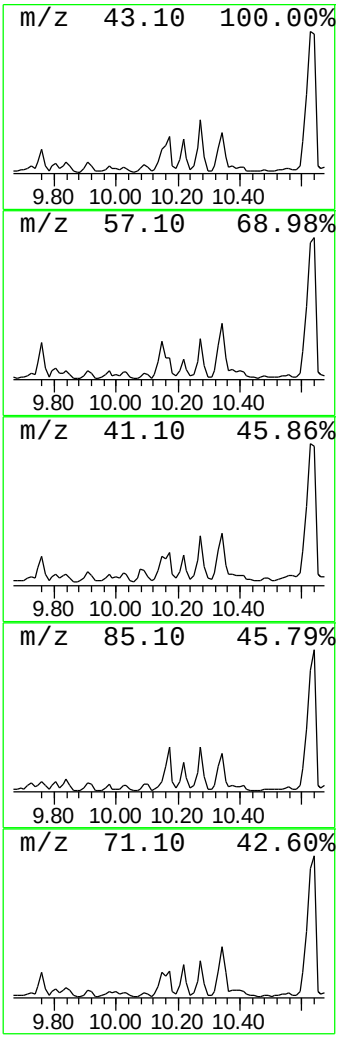
Peak Number 14 Dodecane, 5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	25.97 ng	2096120	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 5-methyl-	184	C13H28	017453-93-9	78
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	78
3	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
4	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	72
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64





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Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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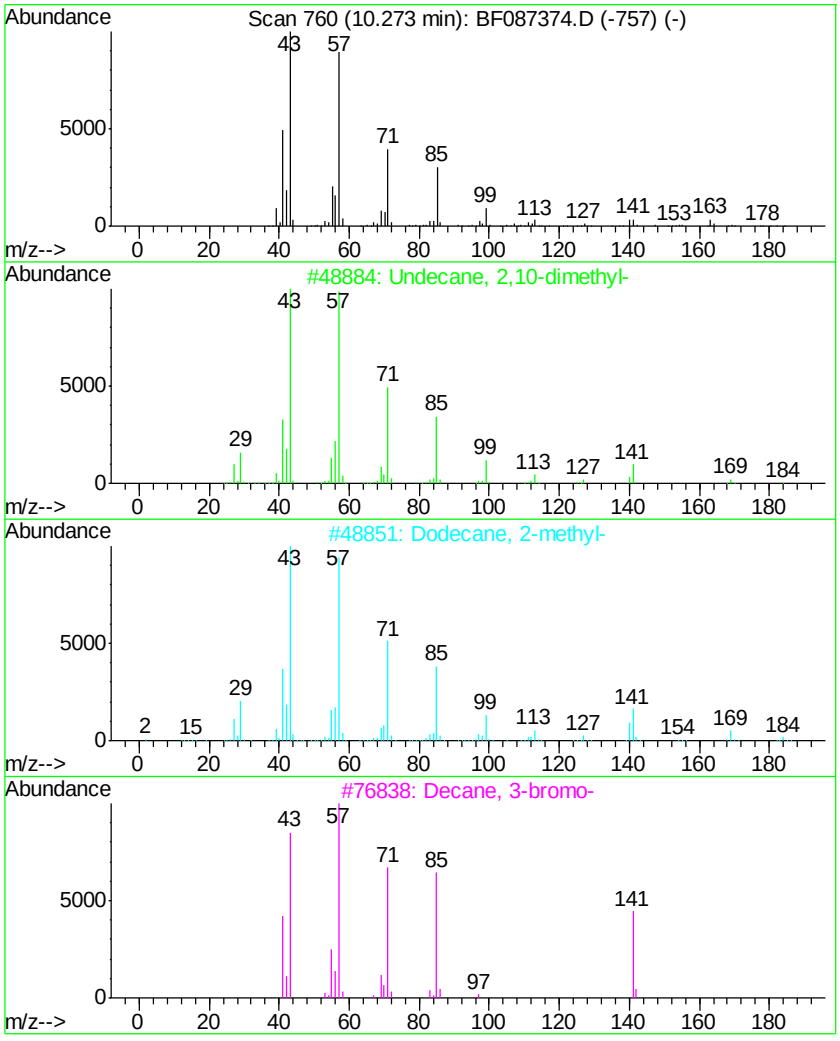
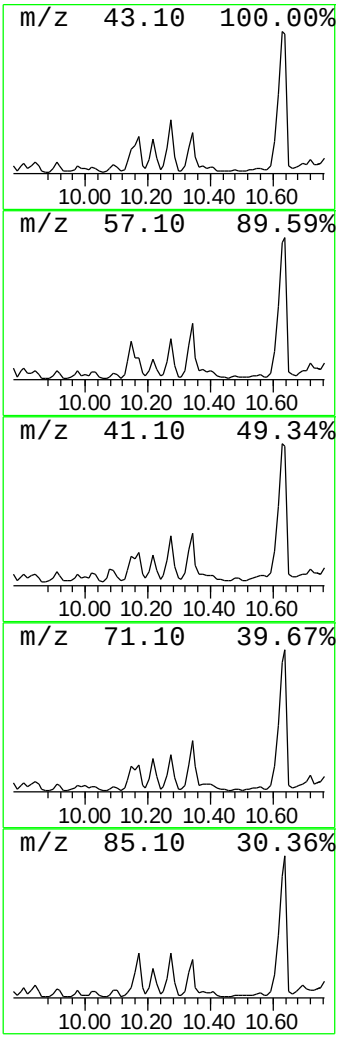
Peak Number 15 Undecane, 2,10-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	21.33 ng	1721840	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	91
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
3	Decane, 3-bromo-	220	C10H21Br	030571-71-2	78
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	72
5	1-Iodoundecane	282	C11H23I	004282-44-4	64





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Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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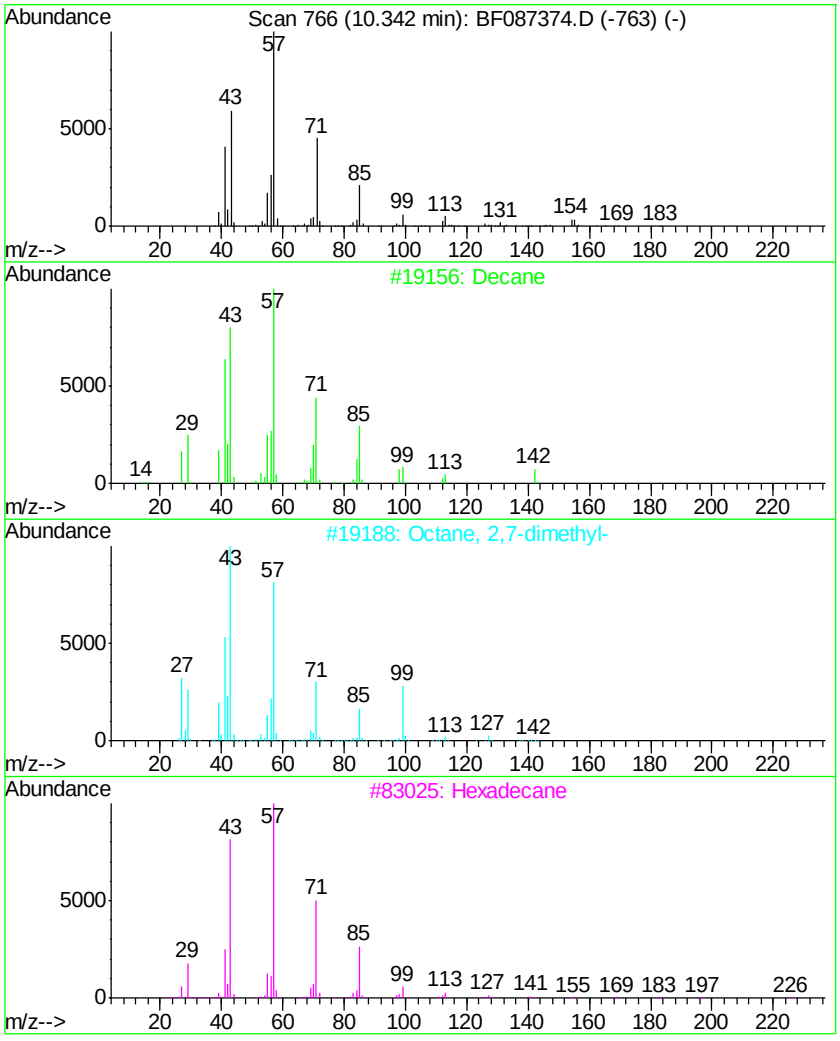
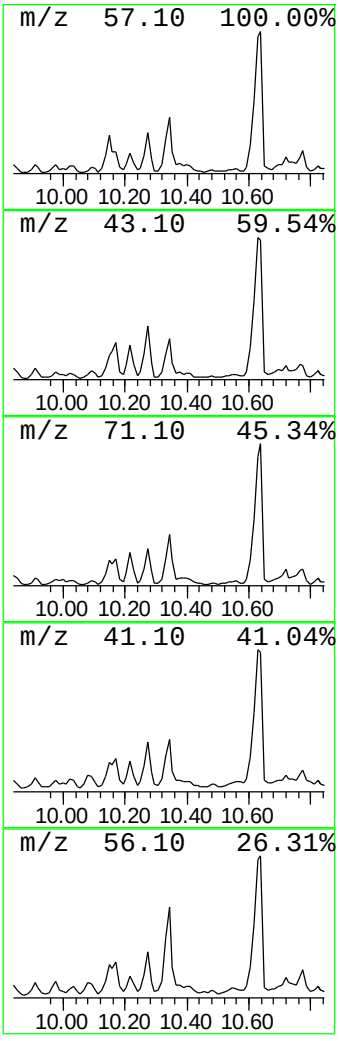
Peak Number 16 Decane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	27.12 ng	2189190	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	78
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	64
3	Hexadecane	226	C16H34	000544-76-3	59
4	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	59
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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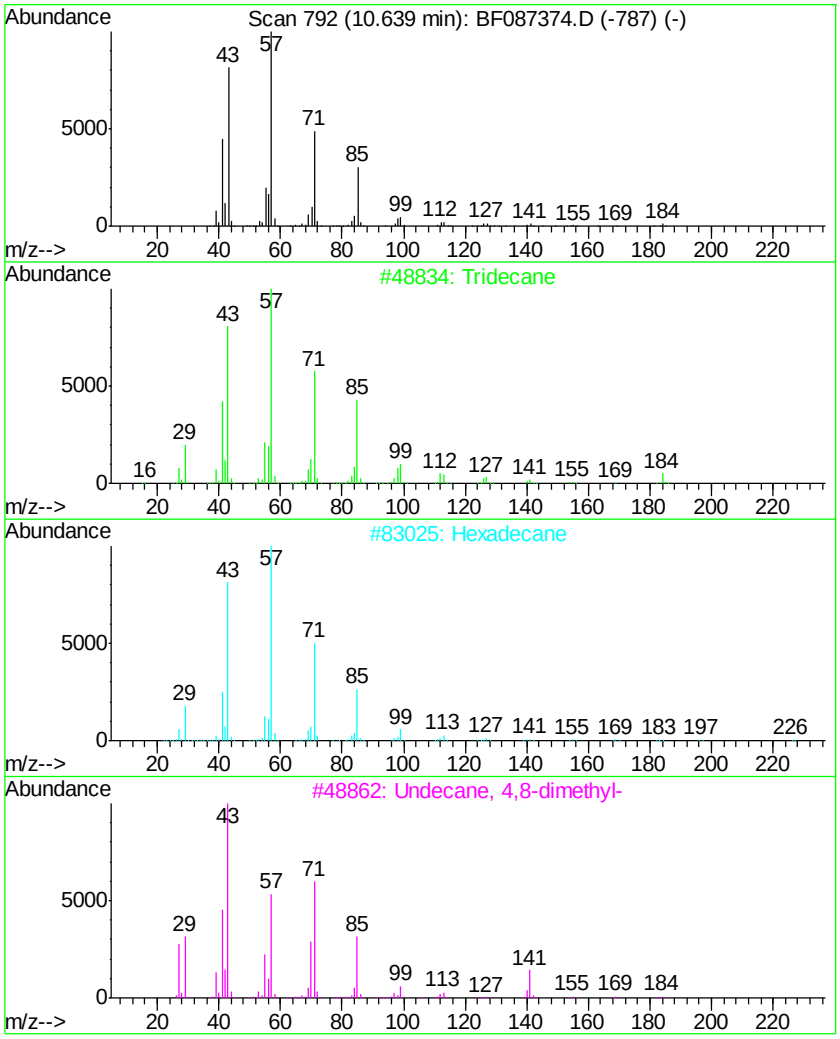
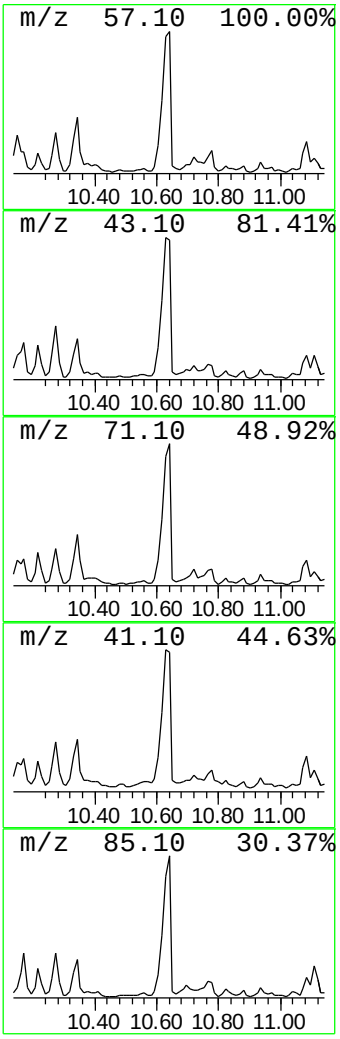
Peak Number 17 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	101.07 ng	8157850	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Hexadecane	226	C16H34	000544-76-3	90
3	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	74
4	Dodecane	170	C12H26	000112-40-3	72
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70





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Data File : BF087374.D
Acq On : 25 May 2016 16:10
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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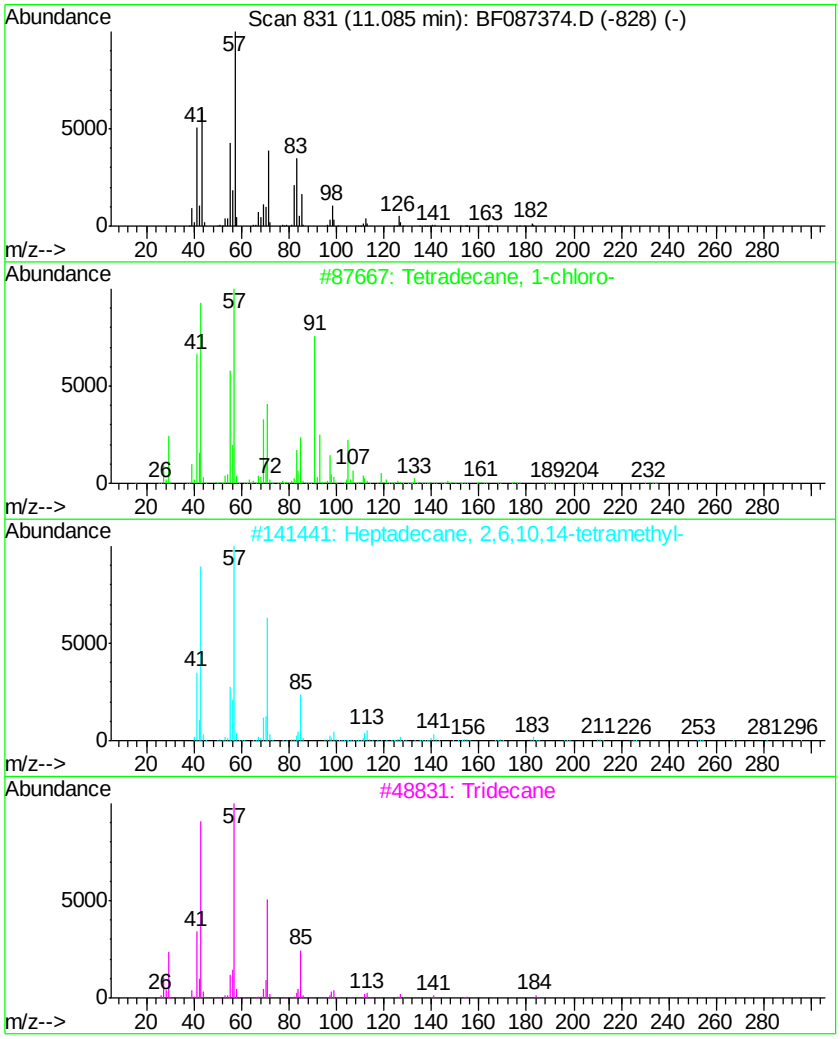
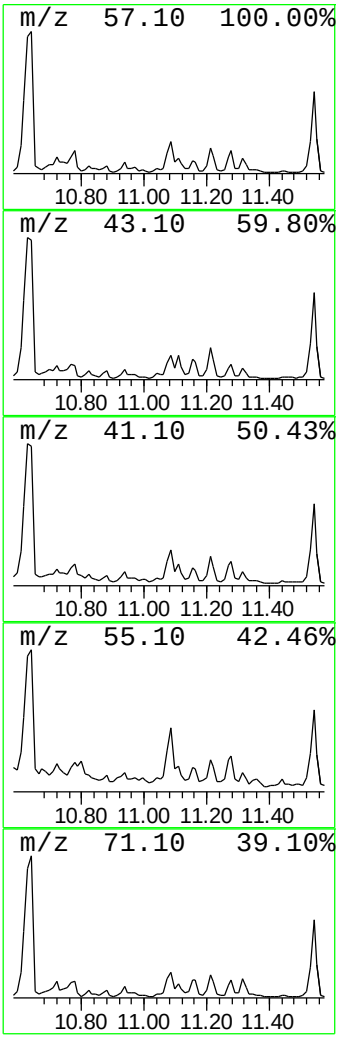
Peak Number 18 unknown11.08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	20.83 ng	1420430	Acenaphthene-d10	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	43
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	43
3	Tridecane	184	C13H28	000629-50-5	38
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	38
5	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	38





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Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

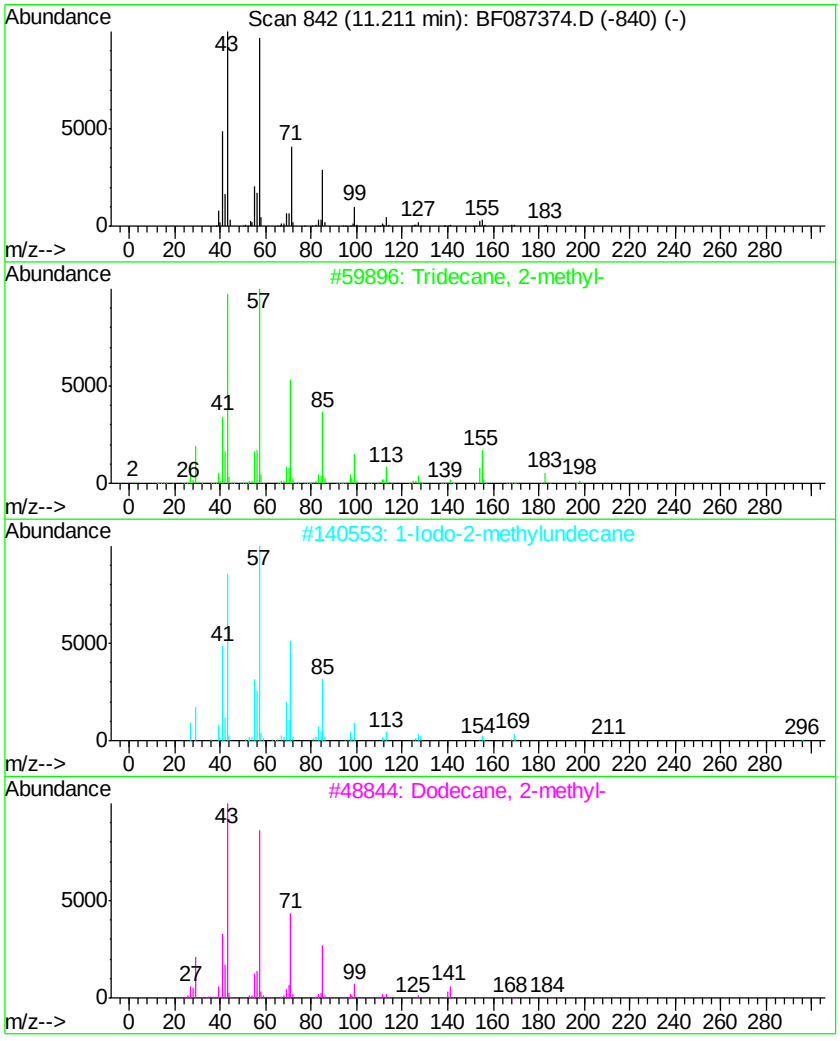
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

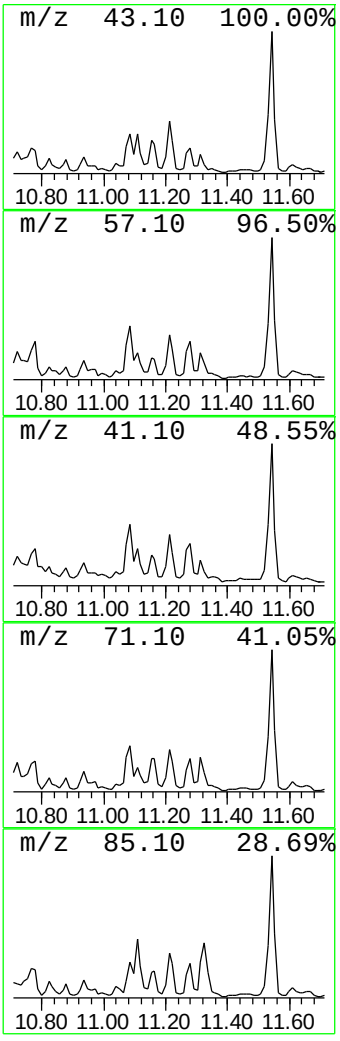
****

Peak Number 19 Tridecane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	15.82 ng	1078750	Acenaphthene-d10	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	86
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	78
5	Decane, 2-methyl-	156	C11H24	006975-98-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

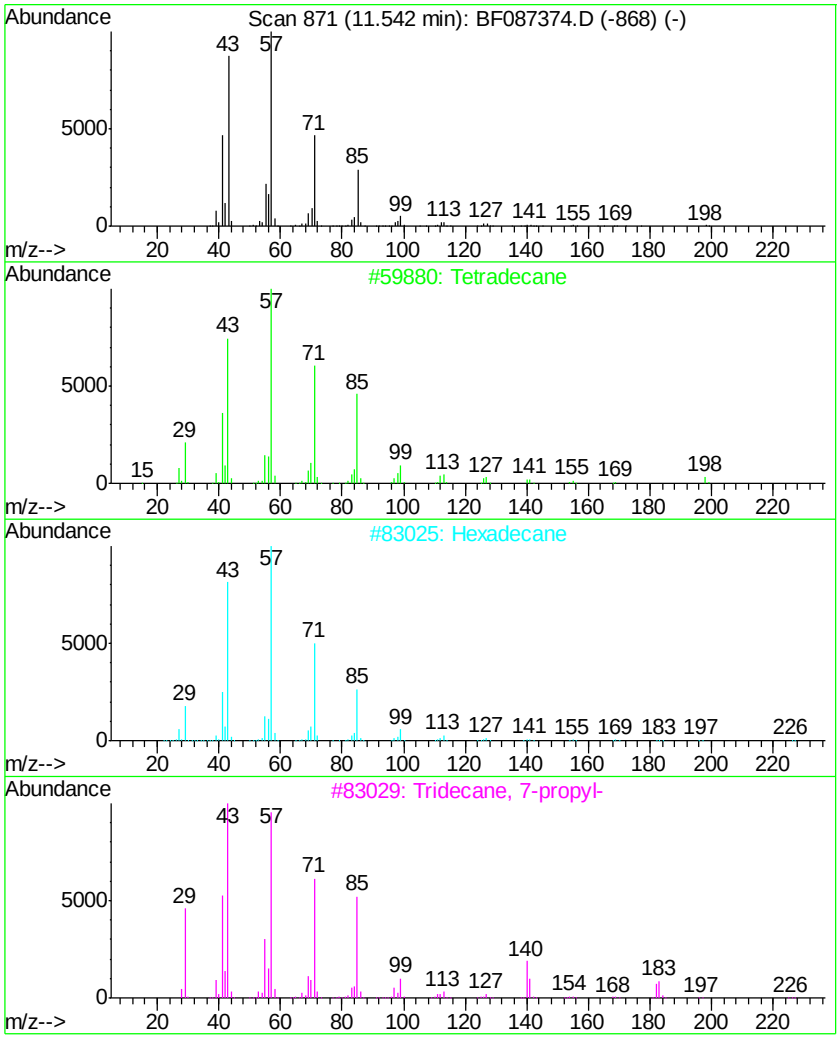
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

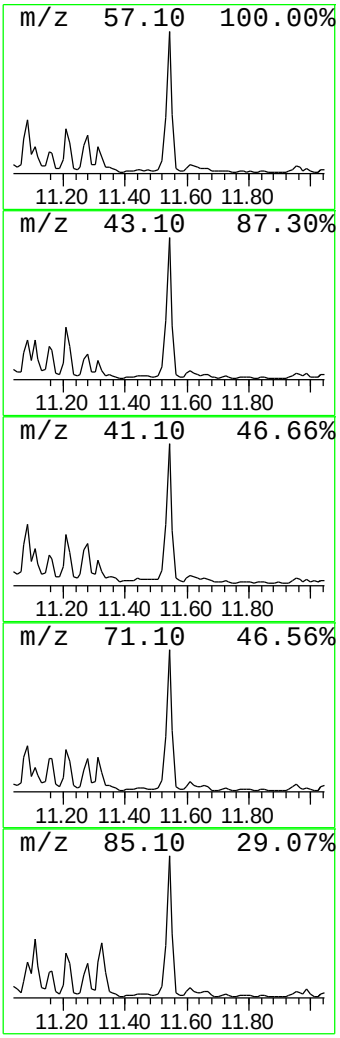
****

Peak Number 20 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	47.73 ng	3254980	Acenaphthene-d10	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
4	Tridecane	184	C13H28	000629-50-5	86
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087374.D
Acq On : 25 May 2016 16:10
Operator : UM/SJ
Sample : H3218-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
Pentane, 2,2,3,4-...	5.83	19.8	ng	1078750	1	7.52	1092510	20.0
Nonane, 2-methyl-	6.82	15.7	ng	856042	1	7.52	1092510	20.0
Octane, 2,6-dimet...	6.91	14.0	ng	766735	1	7.52	1092510	20.0
unknown7.18	7.18	71.8	ng	3919520	1	7.52	1092510	20.0
Silane, trichloro...	7.31	51.0	ng	2783920	1	7.52	1092510	20.0
Undecane	8.55	37.9	ng	3060360	2	9.55	1614280	20.0
Benzene, 1,2,3,5-...	8.81	16.0	ng	1288140	2	9.55	1614280	20.0
unknown9.15	9.15	22.9	ng	1847680	2	9.55	1614280	20.0
unknown9.24	9.24	14.8	ng	1196770	2	9.55	1614280	20.0
Undecane, 3-methyl-	9.32	13.5	ng	1090900	2	9.55	1614280	20.0
Dodecane, 6-methyl-	9.76	18.9	ng	1522200	2	9.55	1614280	20.0
Dodecane, 5-methyl-	10.17	26.0	ng	2096120	2	9.55	1614280	20.0
Undecane, 2,10-di...	10.27	21.3	ng	1721840	2	9.55	1614280	20.0
Decane	10.34	27.1	ng	2189190	2	9.55	1614280	20.0
Tridecane	10.64	101.1	ng	8157850	2	9.55	1614280	20.0
unknown11.08	11.08	20.8	ng	1420430	3	12.38	1363940	20.0
Tridecane, 2-methyl-	11.21	15.8	ng	1078750	3	12.38	1363940	20.0
Tetradecane	11.54	47.7	ng	3254980	3	12.38	1363940	20.0