LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

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-BF121815.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	3.447	117	119	123	rVV	51908	91170	4.81%	0.213%
2	3.641	130	136	140	rVB2	38205	72756	3.83%	0.170%
3	3.858	151	155	158	rVB	45994	79088	4.17%	0.185%
4	3.927	158	161	166	rBV2	56966	98904	5.21%	0.231%
5	5.070	258	261	266	rVB	217609	292683	15.43%	0.683%
6	5.333	282	284	287	rBV	143828	193316	10.19%	0.451%
7	5.493	295	298	300	rVV	1387019	1457557	76.82%	3.402%
8	5.699	313	316	322	rBV2	236228	281621	14.84%	0.657%
9	5.996	340	342	344	rBV	106184	97998	5.16%	0.229%
10	6.396	375	377	379	rBV2	106782	148630	7.83%	0.347%
11	6.430	379	380	382	rVB	261997	200516	10.57%	0.468%
12	6.476	382	384	385	rBV2	73492	106819	5.63%	0.249%
13	6.521	385	388	390	rVB	1340604	1552065	81.80%	3.623%
14	6.556	390	391	393	rVB	174954	225177	11.87%	0.526%
15	6.647	396	399	402	rVB	1616735	1580663	83.31%	3.690%
16	6.716	402	405	407	rBV2	159342	242154	12.76%	0.565%
17	6.750	407	408	412	rVB	79968	84377	4.45%	0.197%
18	6.876	417	419	420	rBV	409155	345483	18.21%	0.806%
19	6.933	423	424	427	rBV3	62044	77062	4.06%	0.180%
20	7.036	431	433	434	rBV	1472802	1412747	74.46%	3.298%
21	7.059	434	435	437	rVB	369316	272356	14.35%	0.636%
22	7.139	437	442	445	rBV4	122575	277697	14.64%	0.648%
23	7.196	445	447	449	rBV	80592	85472	4.50%	0.200%
24	7.276	451	454	455	rVB2	103730	114394	6.03%	0.267%
25	7.344	459	460	464	rBV2	65602	153942	8.11%	0.359%
26	7.436	464	468	471	rBV	759134	1171896	61.76%	2.736%
27	7.527	474	476	478	rBV3	86969	129572	6.83%	0.302%
28	7.562	478	479	481	rBV	48868	60141	3.17%	0.140%
29	7.596	481	482	484	rVB2	75514	66706	3.52%	0.156%
30	7.642	484	486	488	rBV2	184511	252800	13.32%	0.590%
31	7.676	488	489	491	rVB2	101306	129725	6.84%	0.303%
32	7.733	492	494	496	rBV	296709	272163	14.34%	0.635%
33	7.802	496	500	502	rBV4	62350	135030	7.12%	0.315%
34	7.847	502	504	506	rVB3	84054	122760	6.47%	0.287%

LSC Area Percent Report

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Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.904	506	509	513	rBV3	201224	416264	21.94%	0.972%
36	7.984	513	516	519	rVB3	93127	176644	9.31%	0.412%
37	8.122	525	528	529	rBV3	104955	196100	10.34%	0.458%
38	8.156	529	531	535	rVV2	462673	783963	41.32%	1.830%
39	8.236	535	538	539	rVB2	250199	357793	18.86%	0.835%
40	8.339	544	547	548	rBV3	77193	171667	9.05%	0.401%
41	8.373	548	550	552	rBV2	186920	164861	8.69%	0.385%
42	8.453	554	557	561	rVB4	215616	480123	25.30%	1.121%
43	8.510	561	562	564	rBV2	72446	104648	5.52%	0.244%
44	8.545	564	565	567	rVB2	57643	77423	4.08%	0.181%
45	8.590	567	569	574	rBV	432127	659063	34.74%	1.538%
46	8.670	574	576	577	rBV	158488	143556	7.57%	0.335%
47	8.705	577	579	582	rBV3	81254	213394	11.25%	0.498%
48	8.773	582	585	586	rBV3	88004	162553	8.57%	0.379%
49	8.819	587	589	591	rVB3	121595	108345	5.71%	0.253%
50	8.876	591	594	596	rVB3	362840	575723	30.34%	1.344%
51	8.910	596	597	598	rBV	65820	83406	4.40%	0.195%
52	8.979	600	603	606	rVB3	231888	423684	22.33%	0.989%
53	9.070	608	611	613	rBV4	190288	319905	16.86%	0.747%
54	9.162	617	619	620	rBV2	60467	94894	5.00%	0.222%
55	9.196	620	622	623	rBV	753794	716674	37.77%	1.673%
56	9.242	623	626	628	rVB	1893777	1897394	100.00%	4.429%
57	9.276	628	629	631	rBV2	52283	72820	3.84%	0.170%
58	9.333	631	634	636	rBV3	246163	519097	27.36%	1.212%
59	9.390	636	639	642	rVB4	146385	272345	14.35%	0.636%
60	9.436	642	643	645	rVB2	207340	280168	14.77%	0.654%
61	9.505	645	649	651	rBV2	268001	567886	29.93%	1.326%
62	9.573	651	655	659	rBV4	493123	1197155	63.09%	2.795%
63	9.653	659	662	663	rBV2	756680	1313470	69.22%	3.066%
64	9.699	663	666	667	rVB3	91636	171803	9.05%	0.401%
65	9.733	667	669	672	rVB4	109591	160383	8.45%	0.374%
66	9.779	672	673	676	rBV3	181891	294089	15.50%	0.686%
67	9.836	676	678	679	rVB	203121	260215	13.71%	0.607%
68	9.870	679	681	682	rBV	74603	133382	7.03%	0.311%
69	9.916	682	685	687	rBV3	566983	827933	43.64%	1.933%
70	10.030	693	695	696	rVB2	185071	240666	12.68%	0.562%
71	10.088	696	700	701	rBV3	110694	281557	14.84%	0.657%

LSC Area Percent Report

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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.122	701	703	704	rVV	394284	446024	23.51%	1.041%
73	10.156	704	706	707	rVV2	177310	210203	11.08%	0.491%
74	10.179	707	708	711	rVB2	333856	368052	19.40%	0.859%
75	10.236	711	713	716	rBV3	278653	580831	30.61%	1.356%
76	10.293	716	718	719	rVV2	124561	192553	10.15%	0.449%
77	10.328	719	721	724	rVV4	262322	425492	22.43%	0.993%
78	10.385	724	726	727	rVV2	133700	230256	12.14%	0.537%
79	10.476	731	734	736	rVV4	220248	506943	26.72%	1.183%
80	10.522	736	738	739	rVB2	111944	116049	6.12%	0.271%
81	10.579	740	743	745	rVB	1000804	1000950	52.75%	2.337%
82	10.625	745	747	749	rVB3	142159	202387	10.67%	0.472%
83	10.705	751	754	756	rBV2	896351	1020718	53.80%	2.383%
84	10.842	763	766	769	rBV	1230249	1695414	89.35%	3.958%
85	11.311	805	807	810	rVB	1275286	1359907	71.67%	3.174%
86	11.402	813	815	819	rBV2	380062	734725	38.72%	1.715%
87	11.653	836	837	839	rVB	277435	337976	17.81%	0.789%
88	11.699	839	841	843	rBV2	125022	148862	7.85%	0.347%
89	12.396	900	902	904	rVB	258052	394658	20.80%	0.921%
90	12.659	923	925	928	rVB	838217	857941	45.22%	2.003%
91	12.842	940	941	945	rBV2	231258	384331	20.26%	0.897%
92	12.991	952	954	956	rBV	1256937	1305858	68.82%	3.048%
93	13.128	964	966	968	rBV	832554	790464	41.66%	1.845%
94	13.871	1029	1031	1038	rVB3	163359	330709	17.43%	0.772%
95	14.042	1043	1046	1052	rVV2	370493	749567	39.51%	1.750%
96	15.071	1134	1136	1139	rVB	149372	248109	13.08%	0.579%
97	15.425	1165	1167	1170	rVV	151527	226359	11.93%	0.528%
98	15.482	1170	1172	1182	rVB2	213676	486557	25.64%	1.136%
99	16.157	1229	1231	1239	rVB3	128917	359345	18.94%	0.839%
100	16.580	1266	1268	1275	rVB2	138081	321577	16.95%	0.751%

Sum of corrected areas: 42839303

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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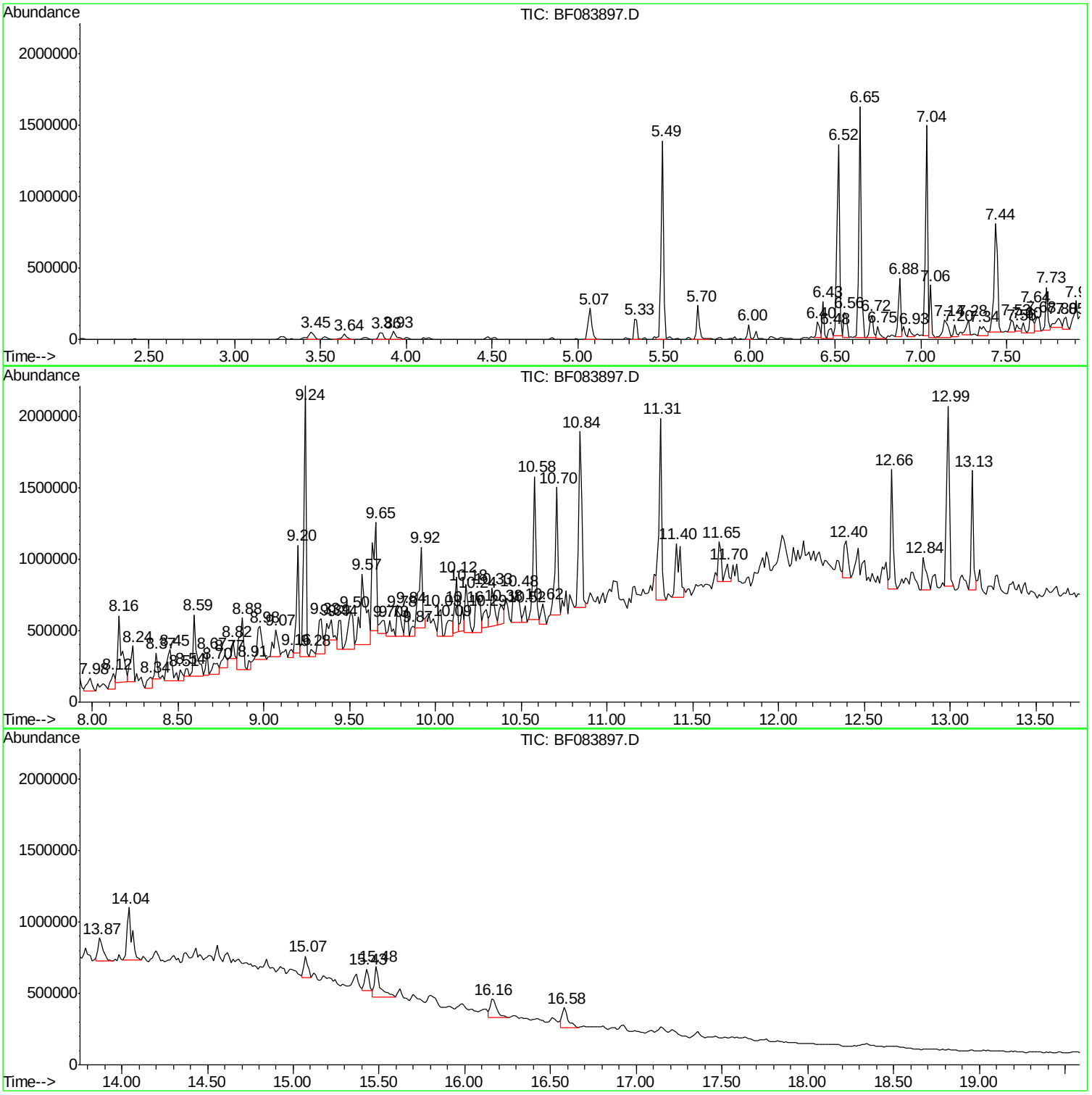
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF121815\
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST02.L
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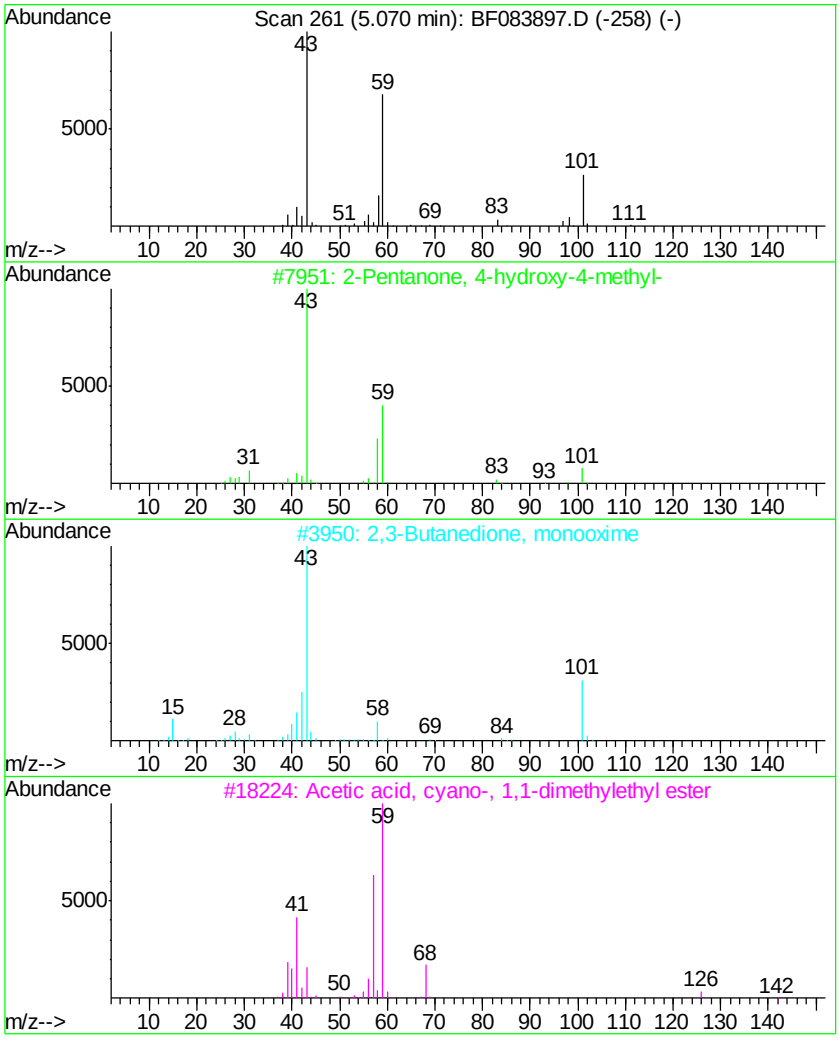
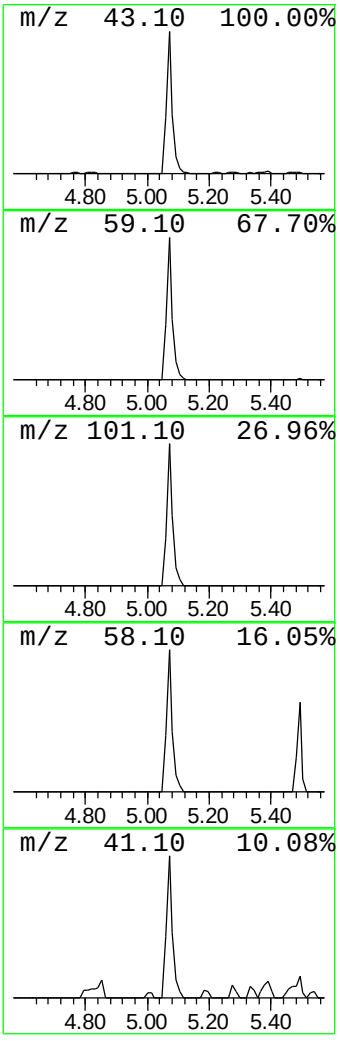
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	16.94 ng	292683	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	17
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

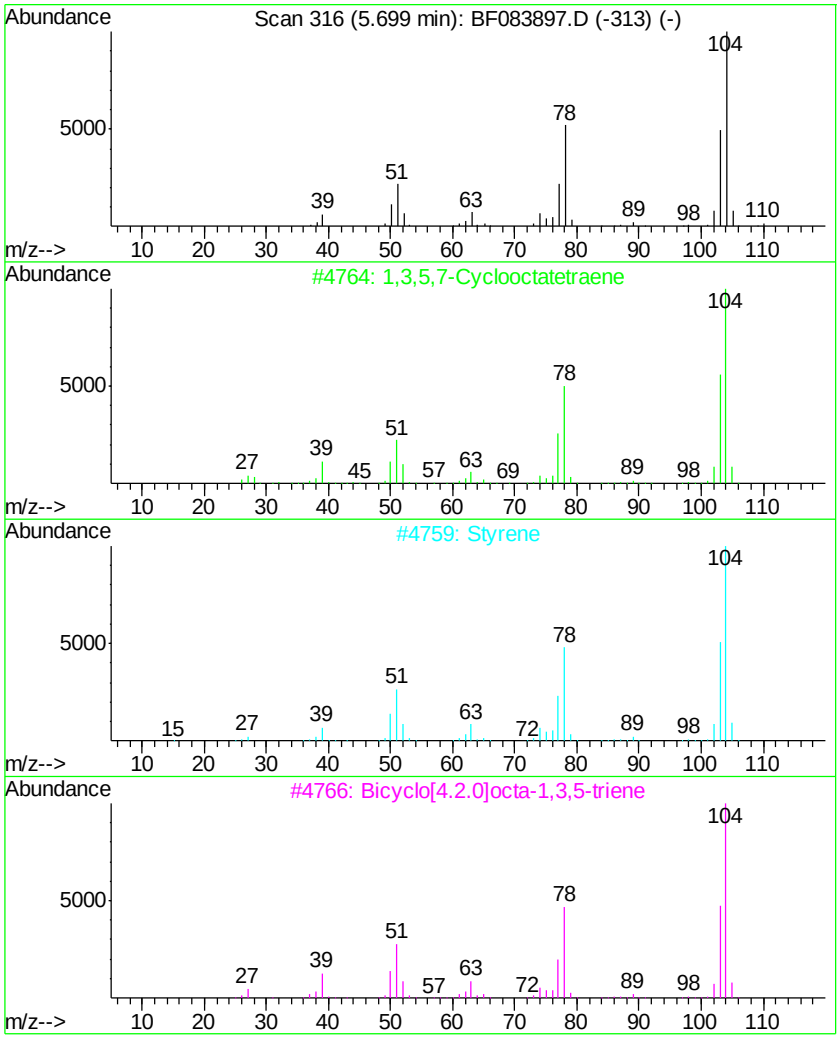
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

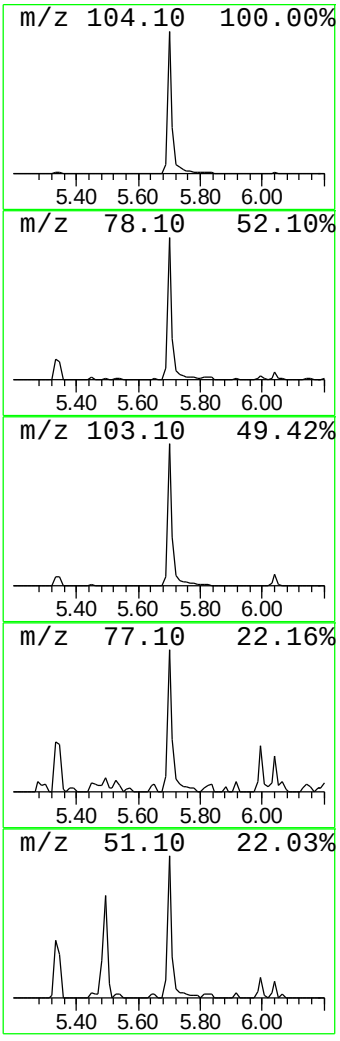
****

Peak Number 2 1,3,5,7-Cyclooctatetraene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	16.30 ng	281621	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2	Styrene	104	C8H8	000100-42-5	96
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5	2-Pyridinecarbonitrile	104	C6H4N2	000100-70-9	43





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

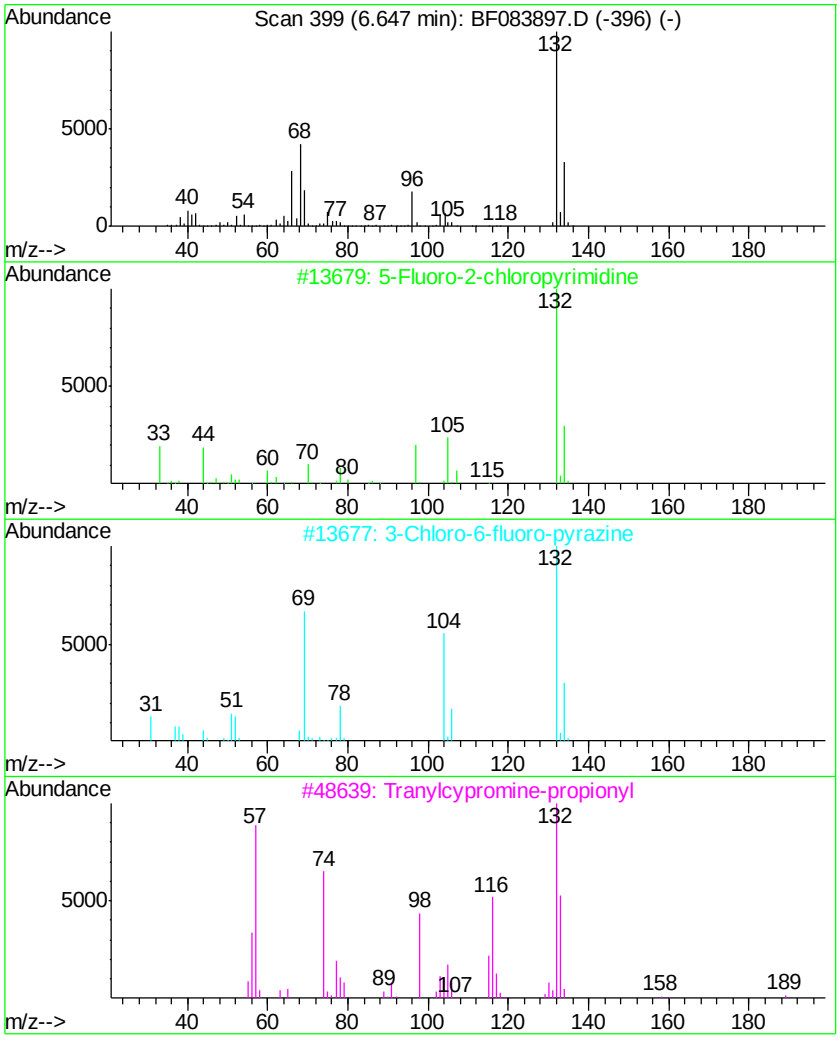
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

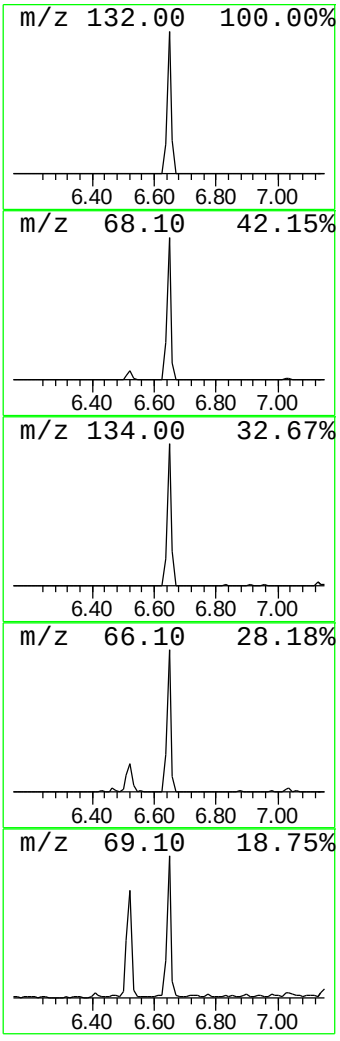
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	91.50 ng	1580660	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Sample : G4680-08
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Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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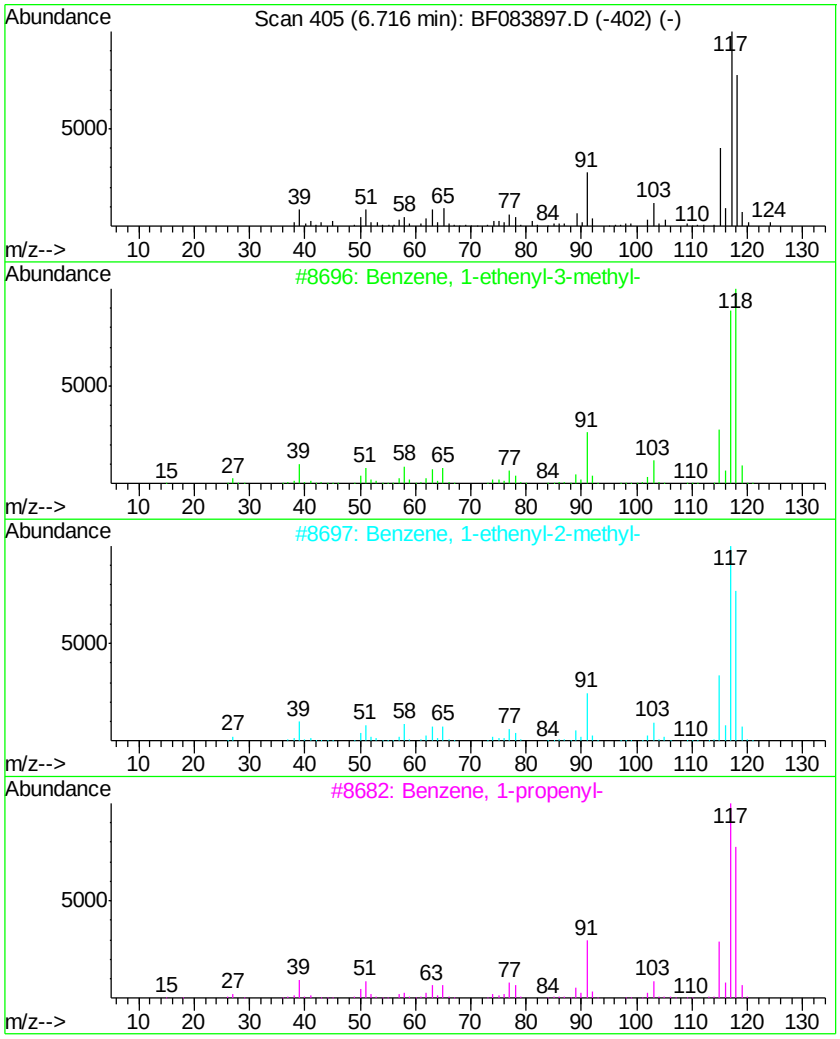
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

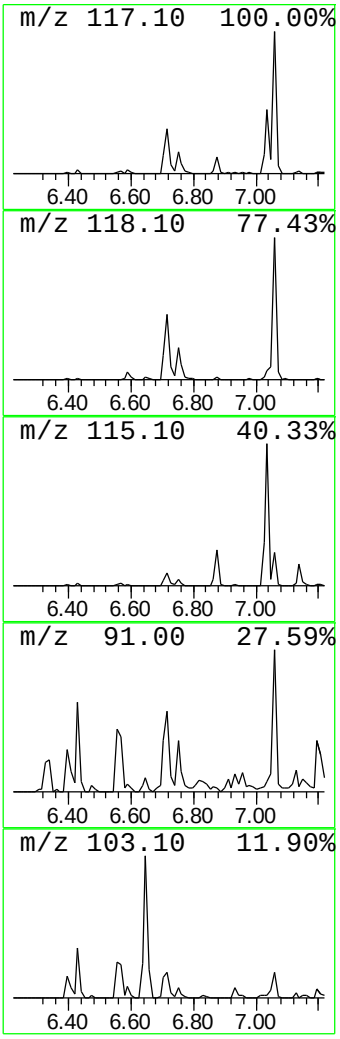
****

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	14.02 ng	242154	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

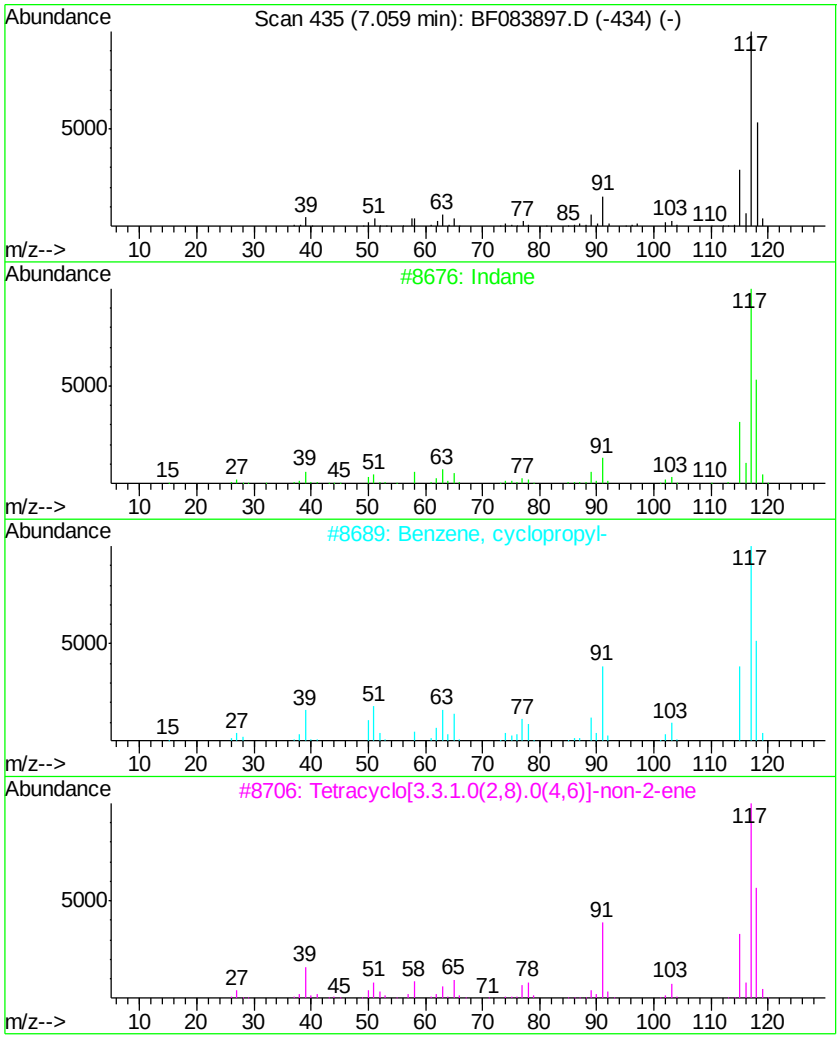
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

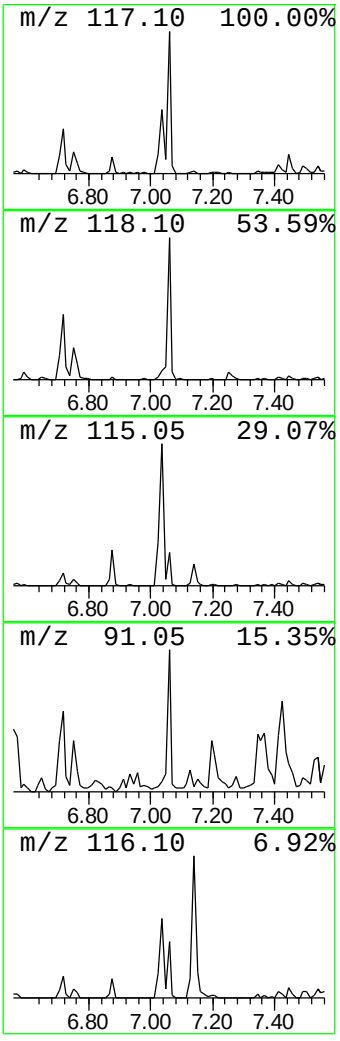
****

Peak Number 6 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	15.77 ng	272356	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	64
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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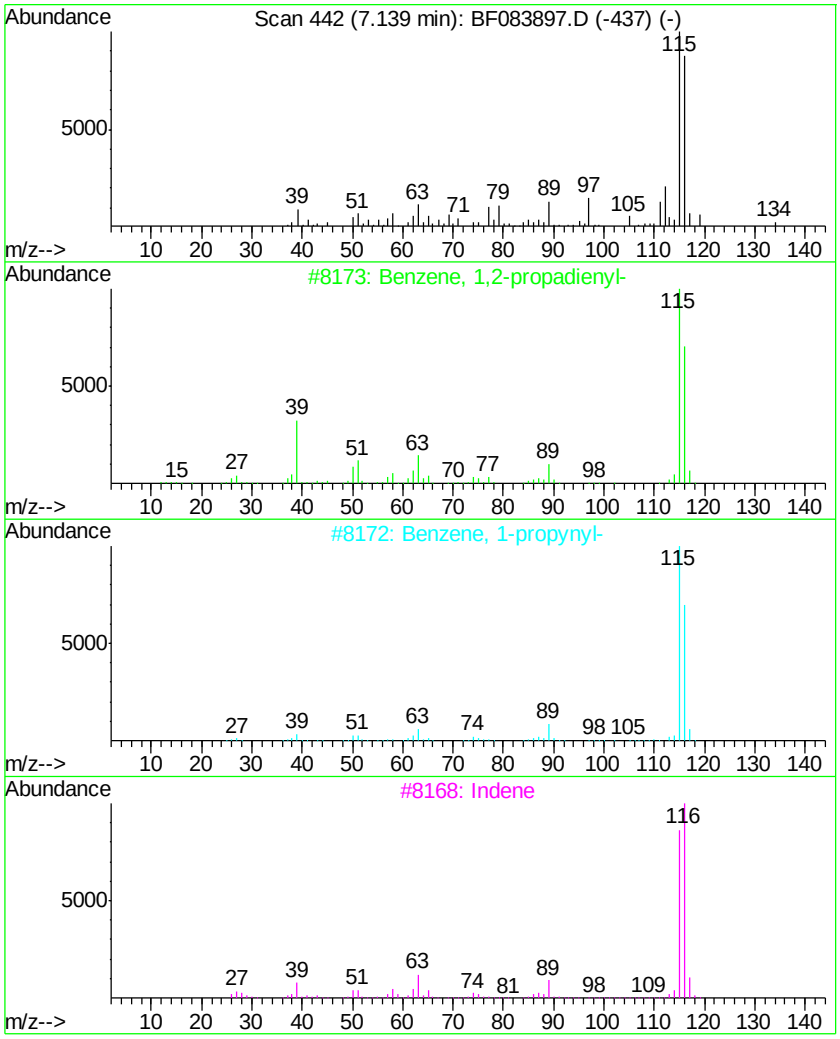
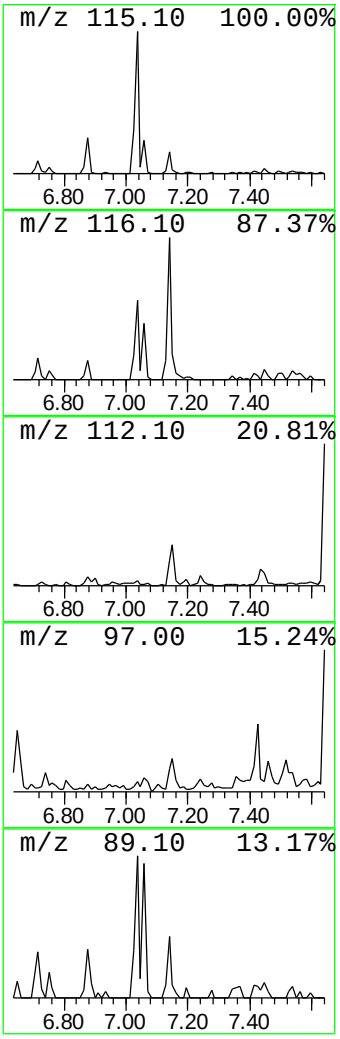
Peak Number 7 Benzene, 1,2-propadienyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	16.08 ng	277697	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	81
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
3	Indene	116	C9H8	000095-13-6	76
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	74
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	68





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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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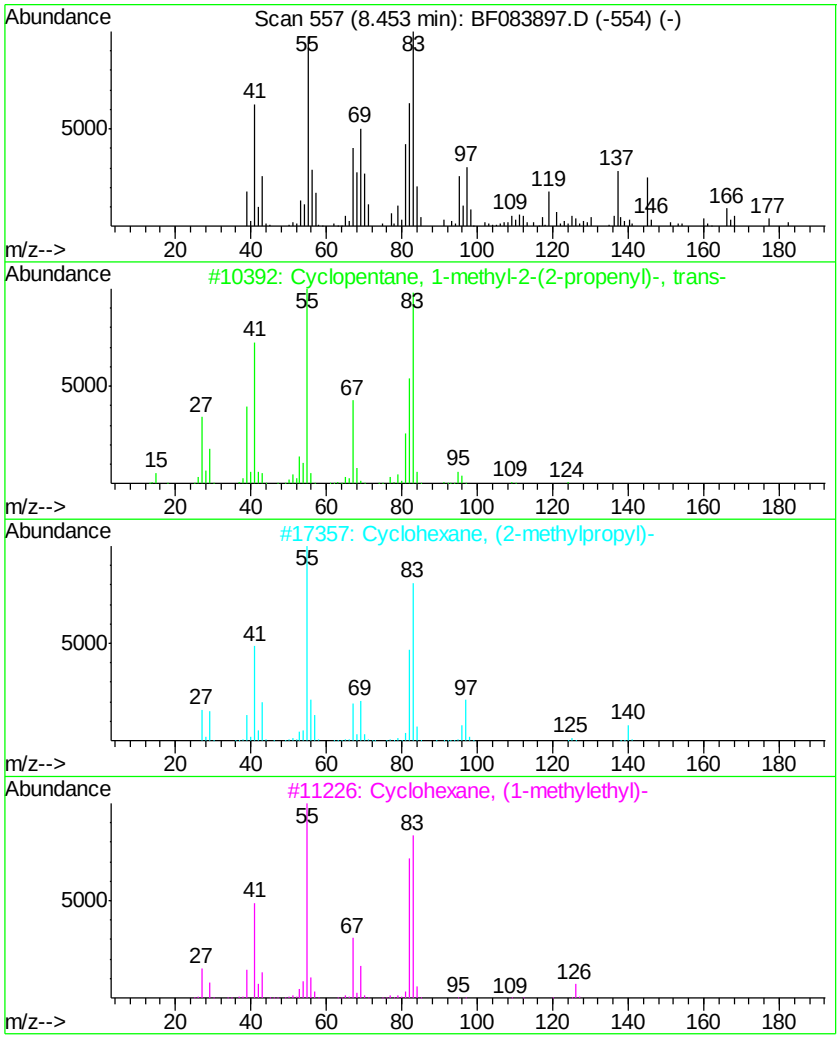
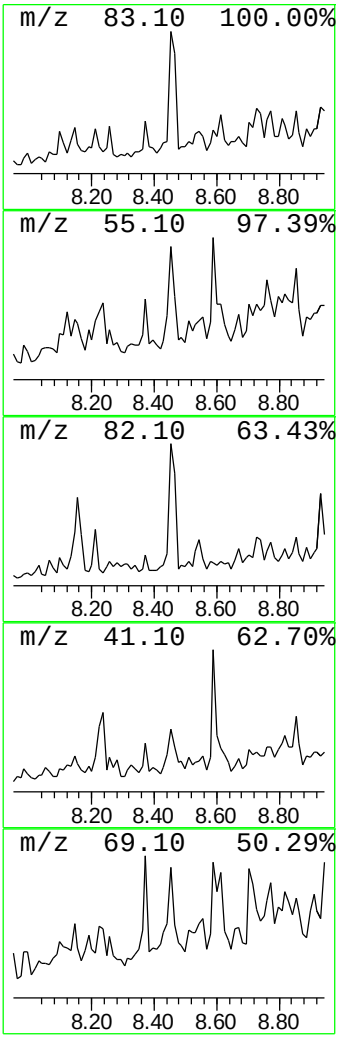
Peak Number 8 unknown8.45 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	12.25 ng	480123	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	49
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	38





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Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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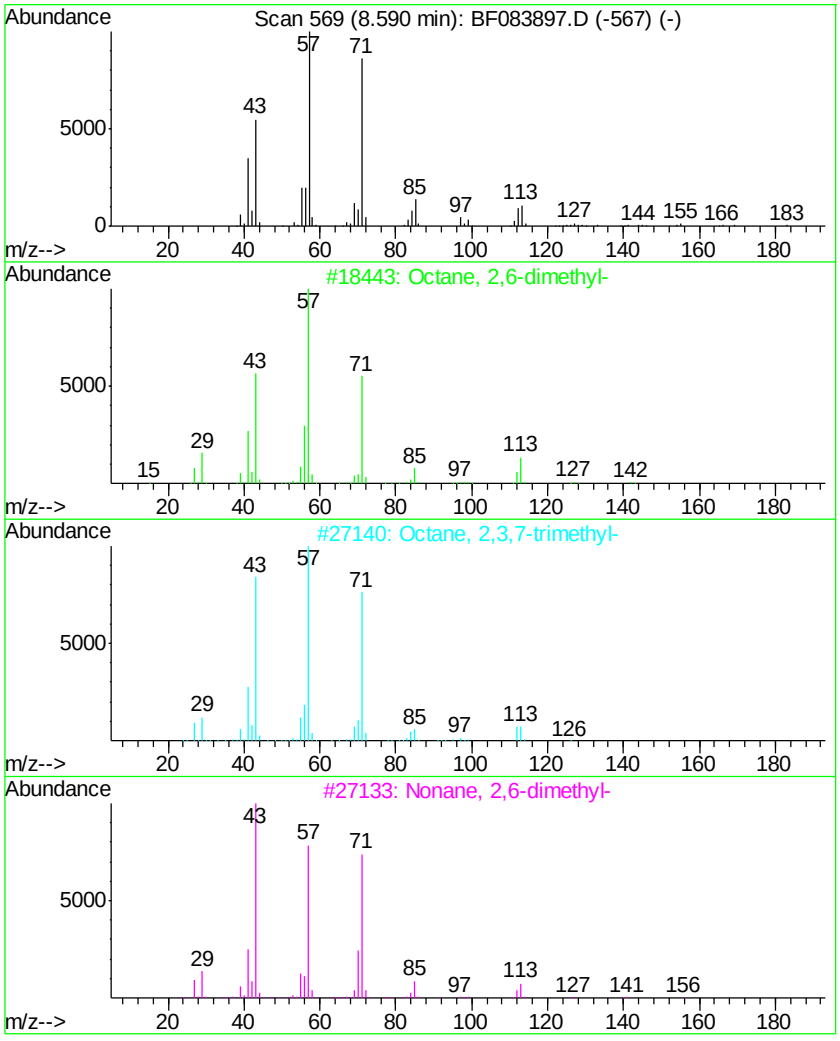
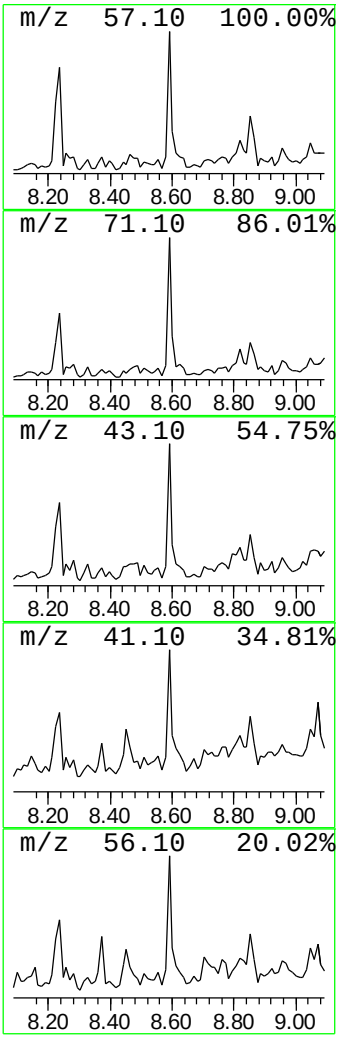
Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	16.81 ng	659063	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59





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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

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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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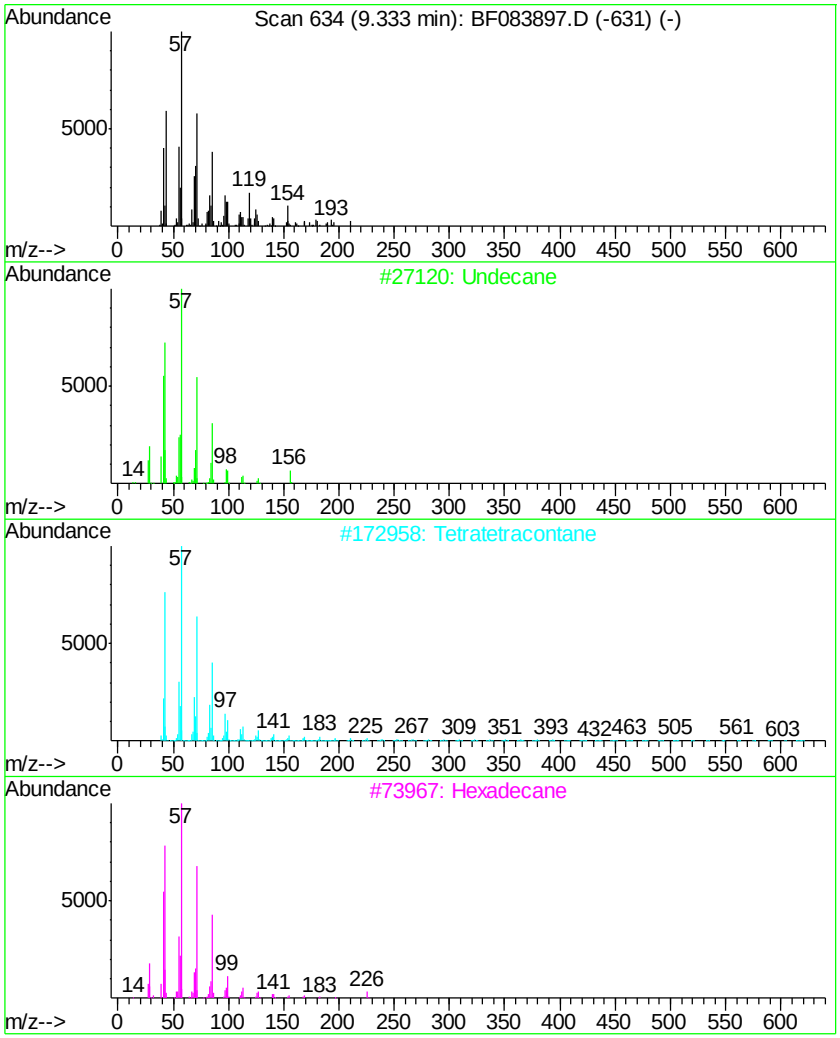
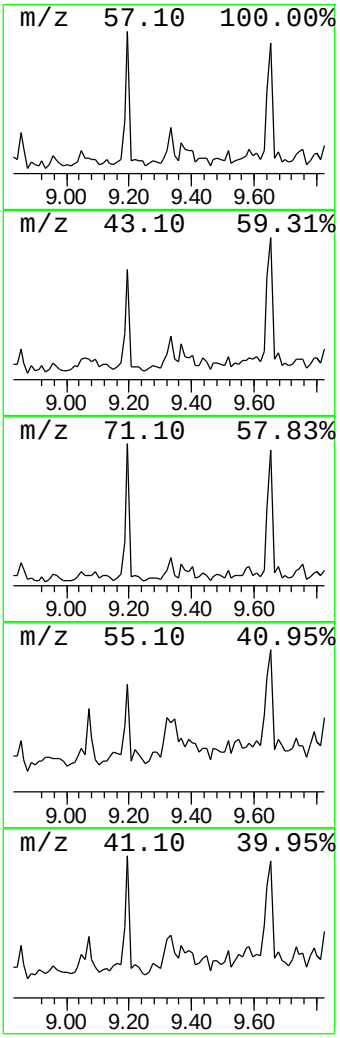
Peak Number 10 Undecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	12.54 ng	519097	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	76
2	Tetratetracontane	619	C44H90	007098-22-8	72
3	Hexadecane	226	C16H34	000544-76-3	64
4	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64
5	Tetradecane	198	C14H30	000629-59-4	64





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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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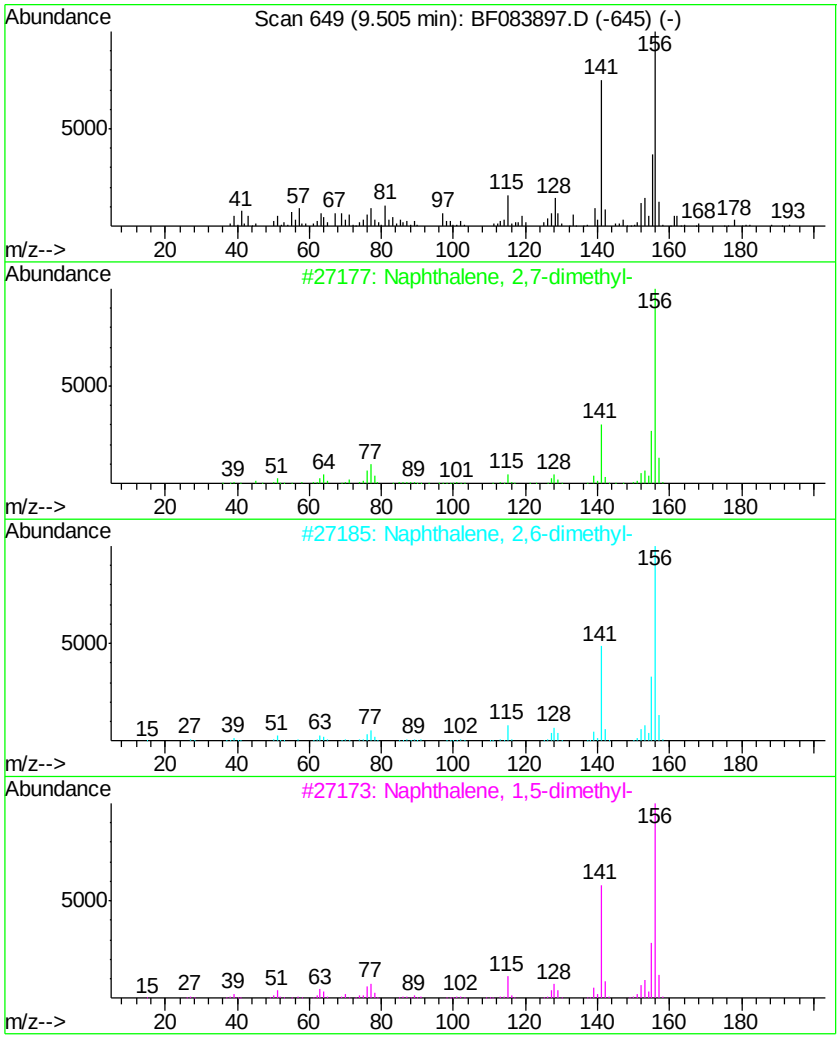
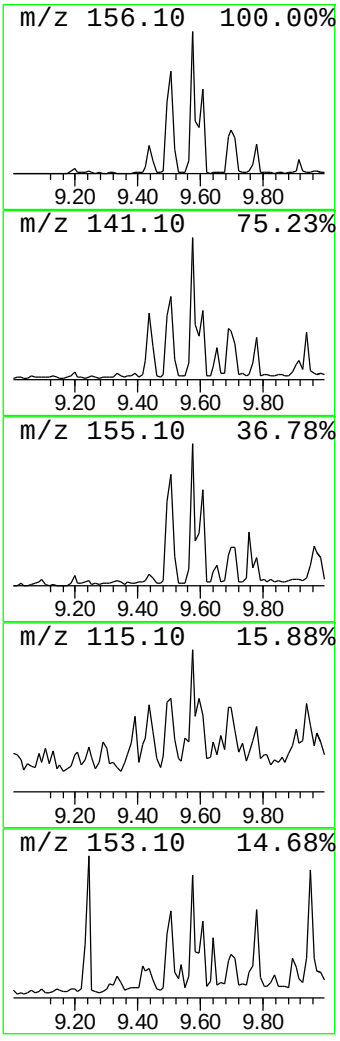
Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	13.72 ng	567886	Acenaphthene-d10	9.92

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, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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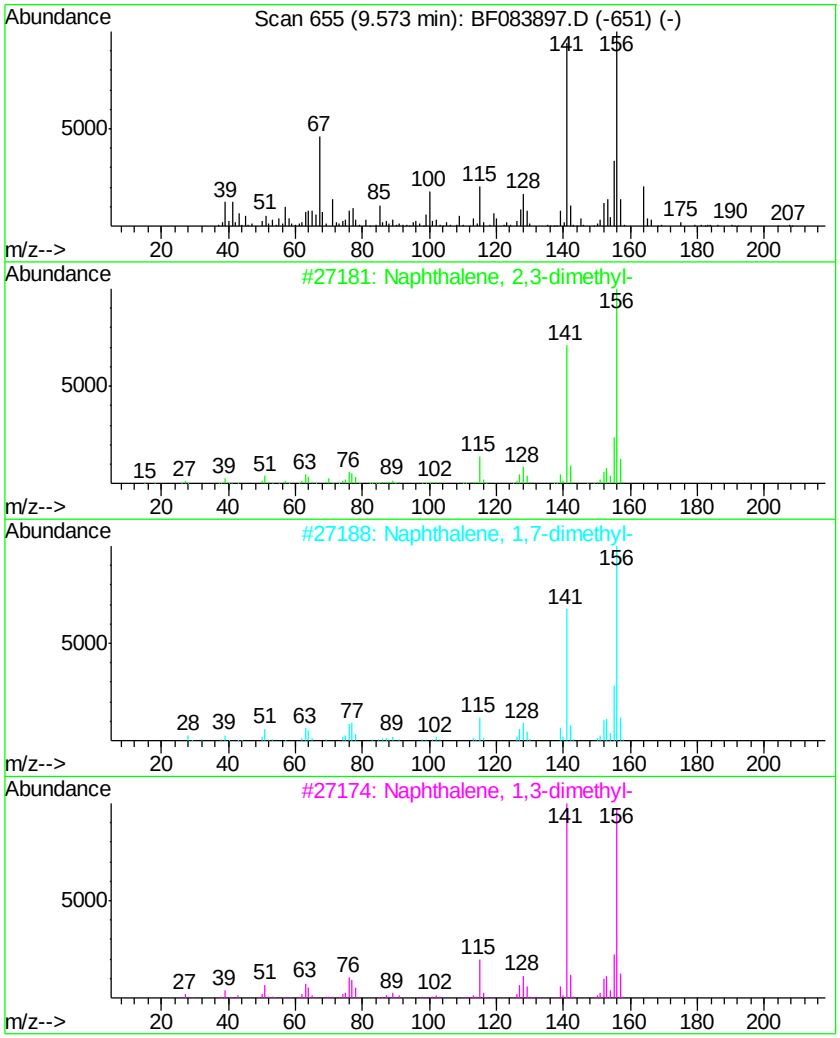
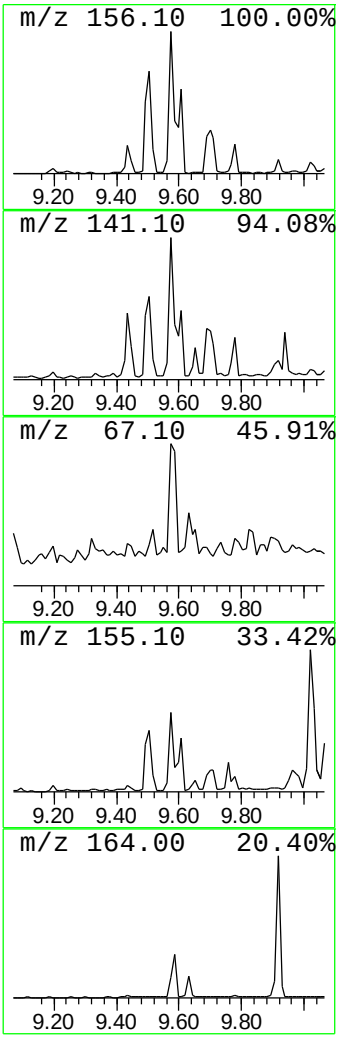
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	28.92 ng	1197160	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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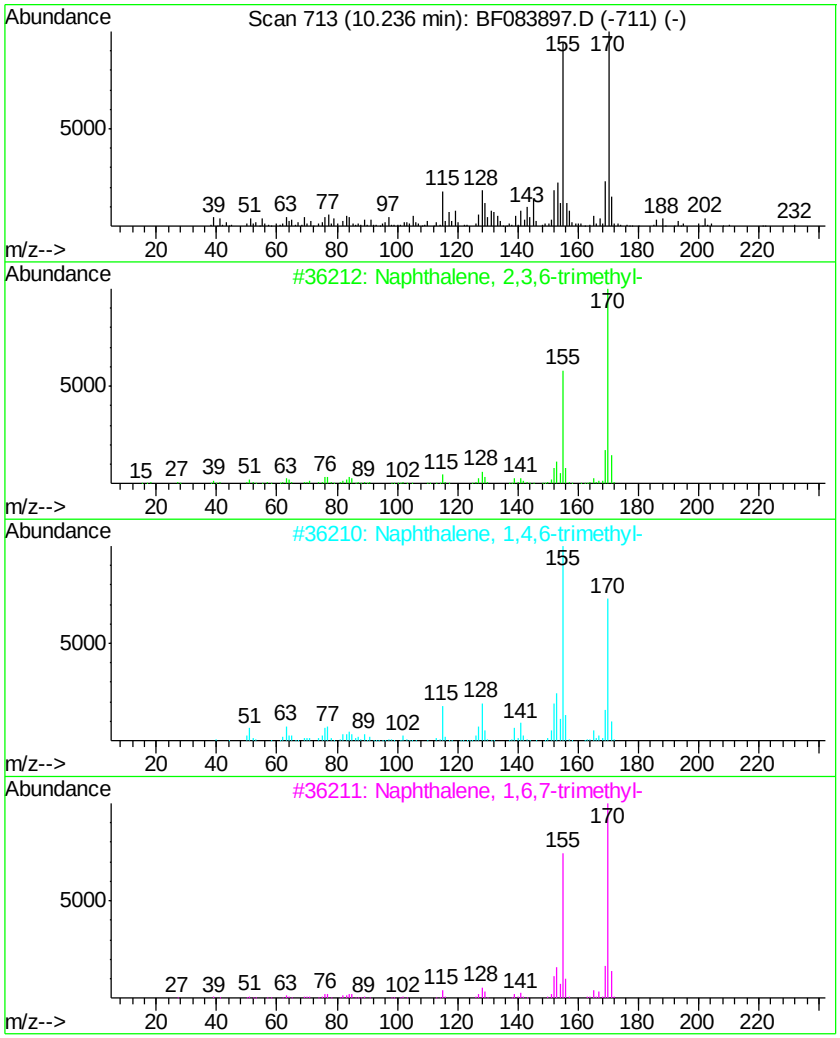
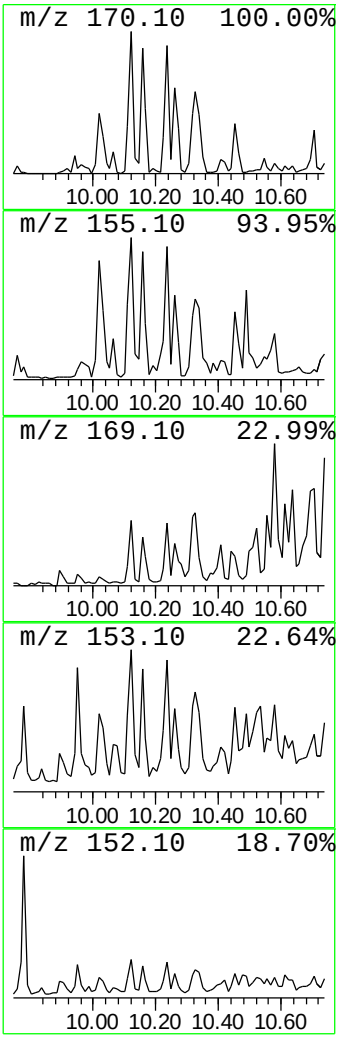
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	14.03 ng	580831	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	96
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94





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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

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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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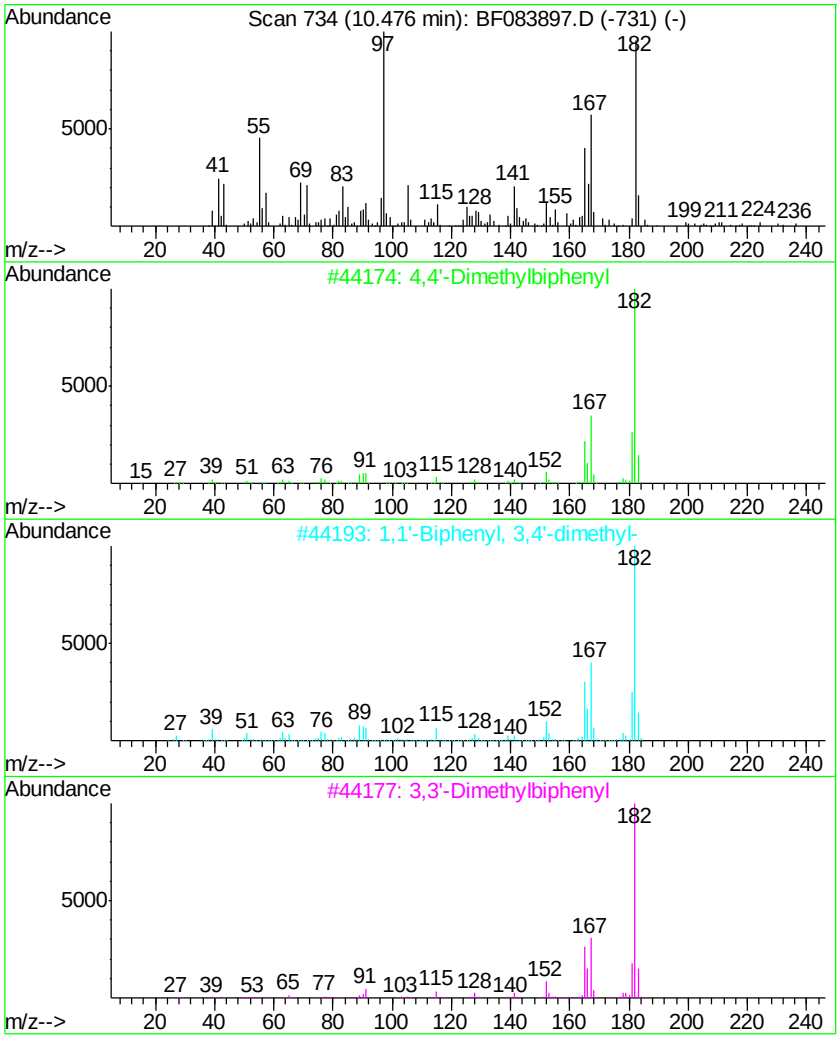
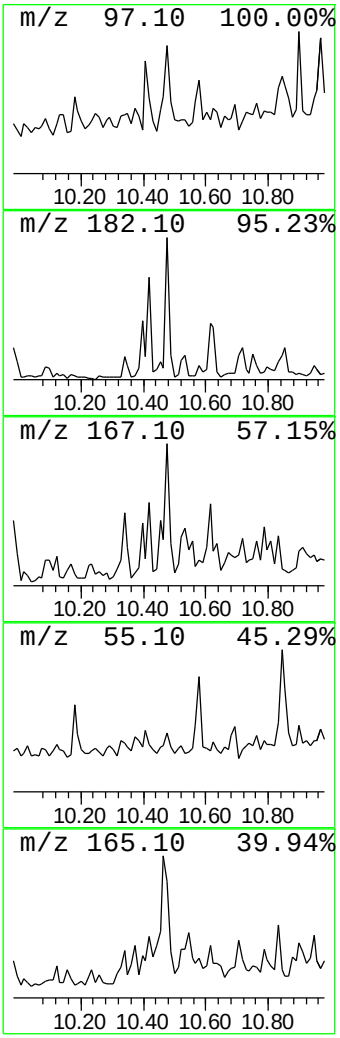
Peak Number 14 4,4'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	12.25 ng	506943	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	83
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	60
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	53
4	3,3,7,7-Tetramethyl-5-oxa-1,9-di...	182	C10H18N2O	090832-25-0	53
5	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	49





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Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

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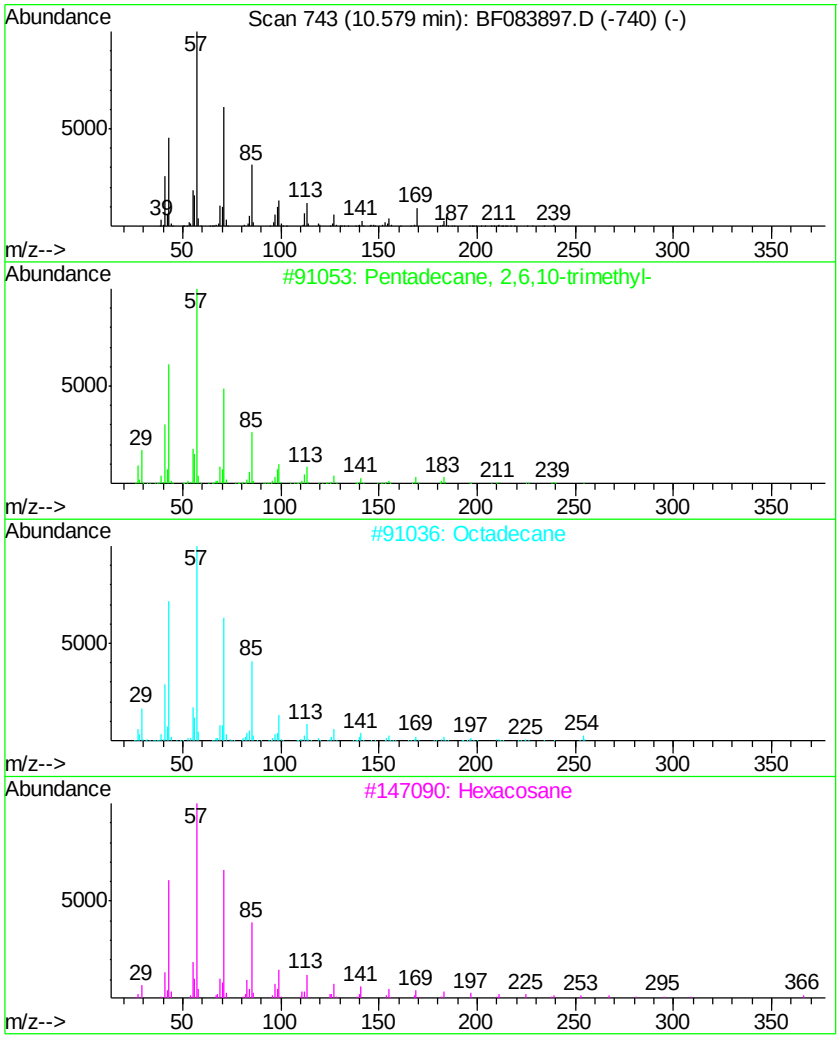
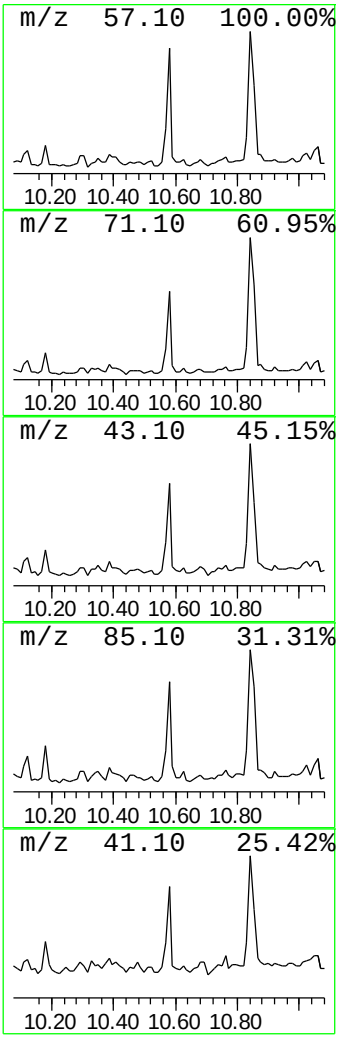
Peak Number 15 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	24.18 ng	1000950	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2	Octadecane	254	C18H38	000593-45-3	80
3	Hexacosane	366	C26H54	000630-01-3	80
4	Decane, 2-methyl-	156	C11H24	006975-98-0	76
5	Tridecane	184	C13H28	000629-50-5	74





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Misc :
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Instrument : BNA_F
ClientSampleId : K202-(12-13)

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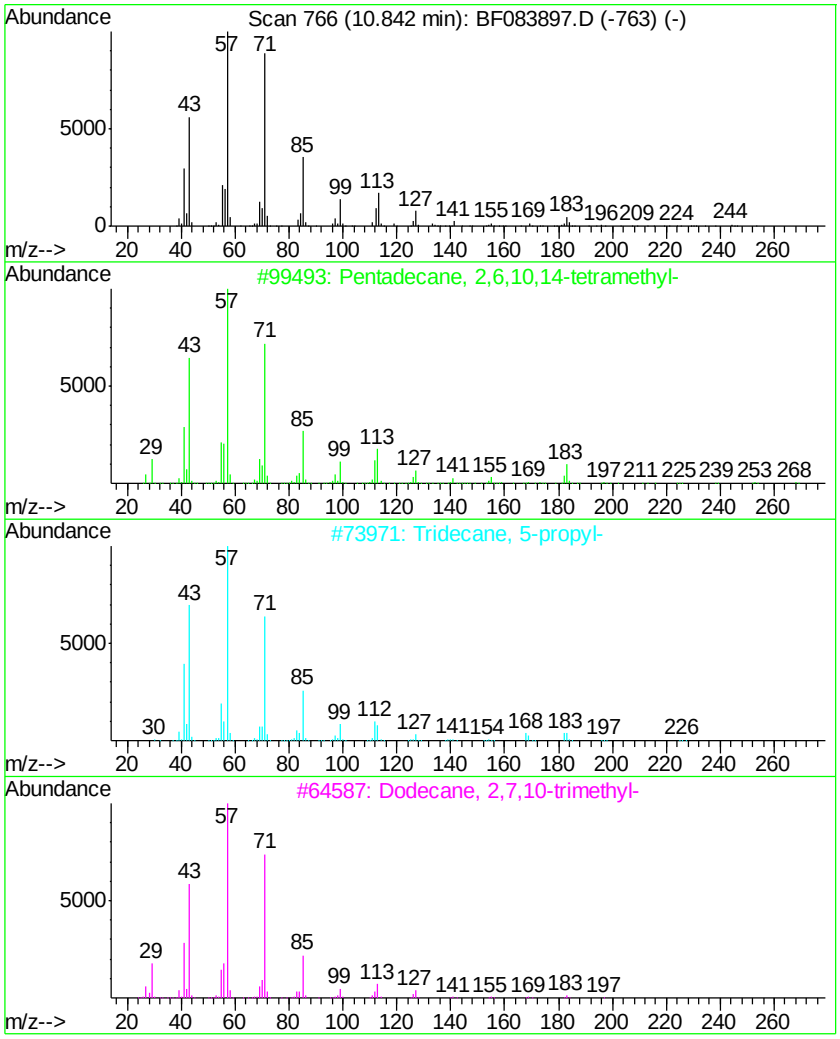
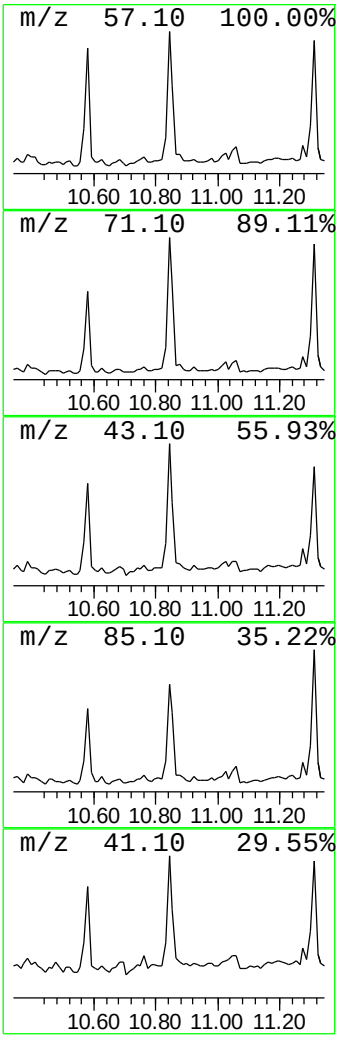
Peak Number 16 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	46.15 ng	1695410	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





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TIC Integration Parameters: LSCINT.P

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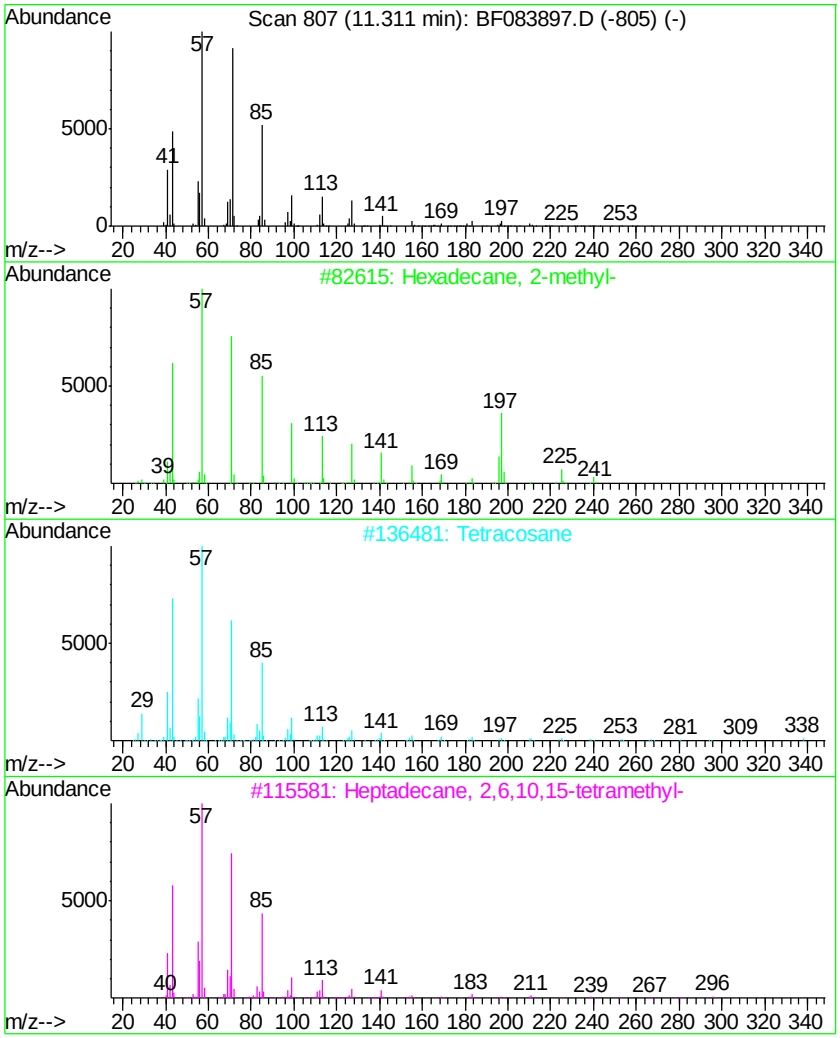
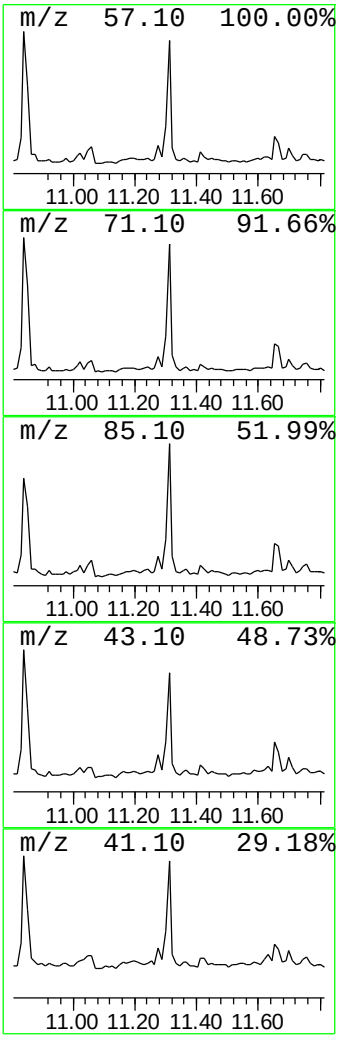
Peak Number 17 Hexadecane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	37.02 ng	1359910	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	90
2	Tetracosane	338	C24H50	000646-31-1	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	83





Library Search Compound Report

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Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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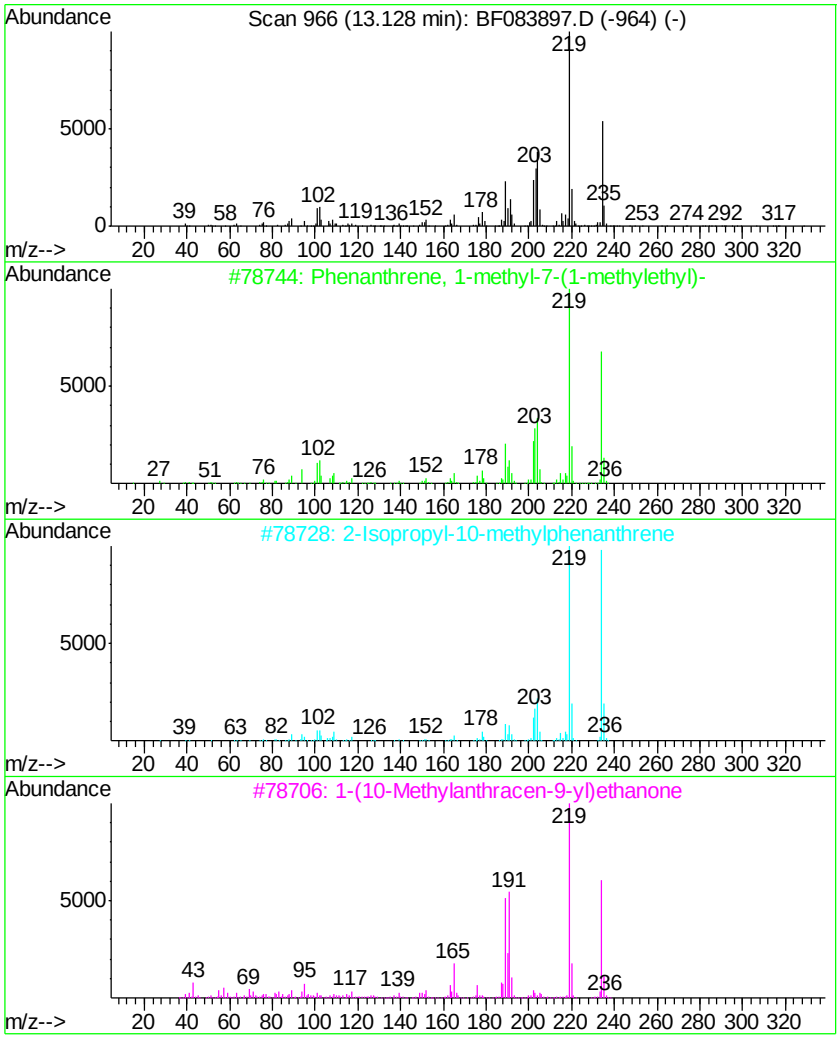
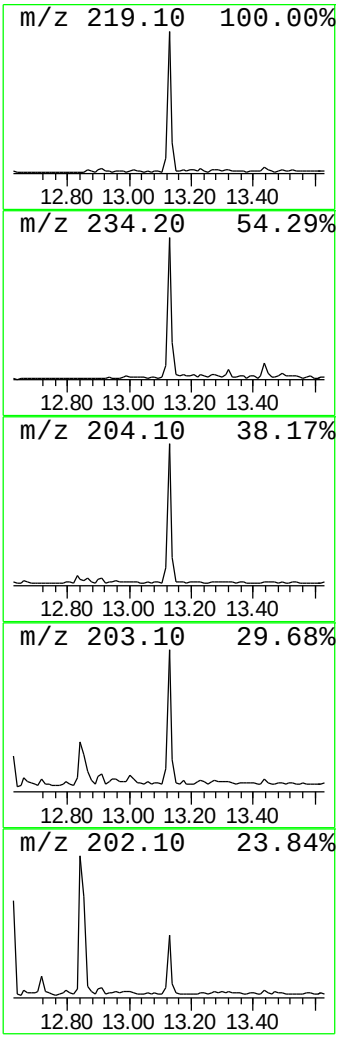
Peak Number 18 Phenanthrene, 1-methyl-7-(1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	21.09 ng	790464	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	50
4	Benzene, 1-[(4-ethylphenyl)ethyn...	248	C19H20	102225-55-8	50
5	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	49





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Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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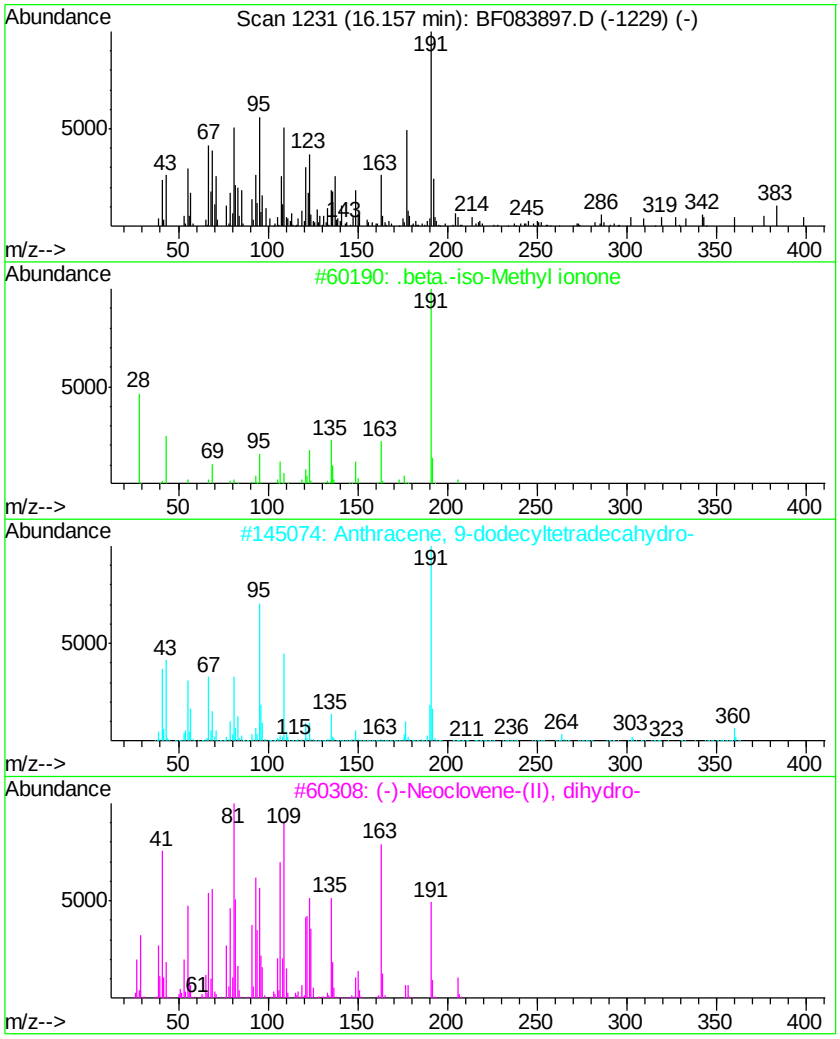
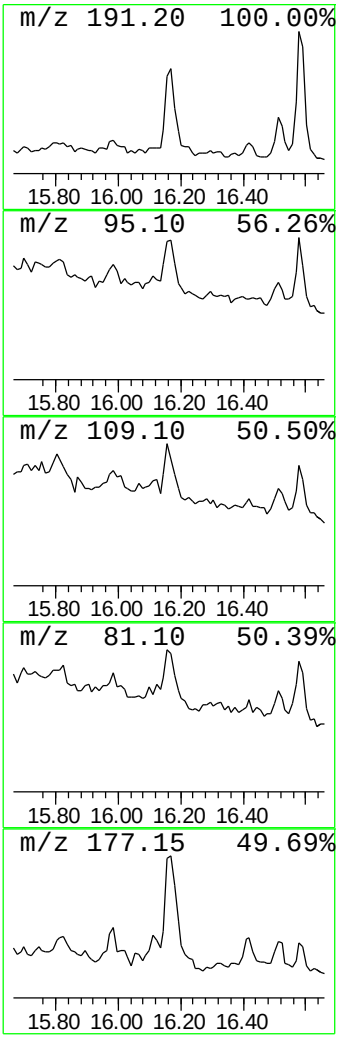
Peak Number 19 .beta.-iso-Methyl ionone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	14.77 ng	359345	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	60
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	47
3	(-)-Neoclovene-(II), dihydro-	206	C15H26	1000152-83-6	45
4	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	43
5	Phenanthrene, 9-dodecyltetradeca...	360	C26H48	055334-01-5	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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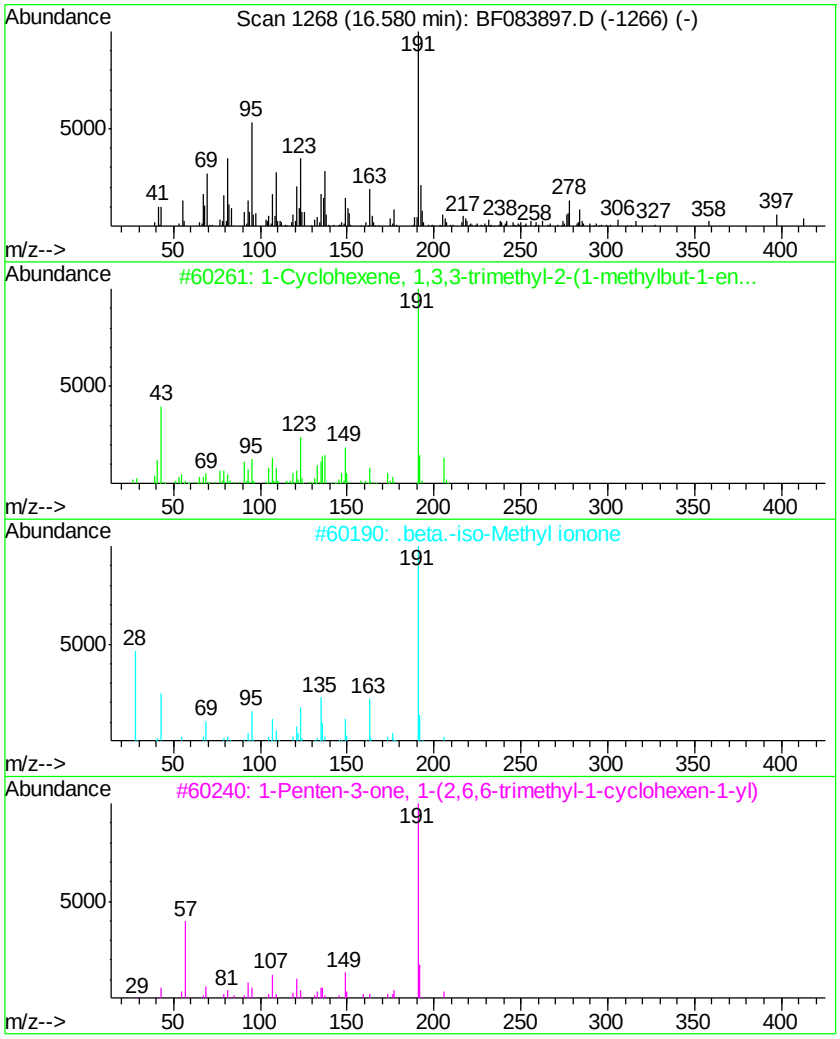
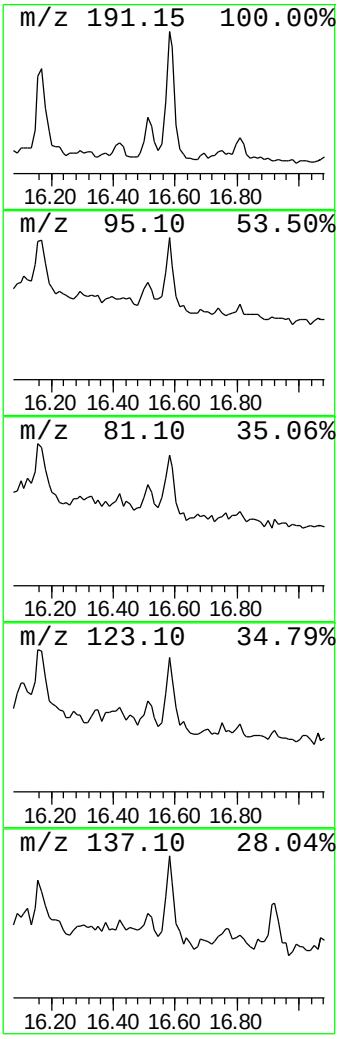
Peak Number 20 unknown16.58 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	13.22 ng	321577	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	47
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	46
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	41
4	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	40
5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083897.D
Acq On : 18 Dec 2015 5:16
Operator : UM/SJ
Sample : G4680-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K202-(12-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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...	5.07	16.9	ng	292683	1	6.88	345483	20.0
1,3,5,7-Cycloocta...	5.70	16.3	ng	281621	1	6.88	345483	20.0
unknown6.65	6.65	91.5	ng	1580660	1	6.88	345483	20.0
Benzene, 1-etheny...	6.72	14.0	ng	242154	1	6.88	345483	20.0
Indane	7.06	15.8	ng	272356	1	6.88	345483	20.0
Benzene, 1,2-prop...	7.14	16.1	ng	277697	1	6.88	345483	20.0
unknown8.45	8.45	12.3	ng	480123	2	8.16	783963	20.0
Octane, 2,6-dimet...	8.59	16.8	ng	659063	2	8.16	783963	20.0
Undecane	9.33	12.5	ng	519097	3	9.92	827933	20.0
Naphthalene, 2,7-...	9.50	13.7	ng	567886	3	9.92	827933	20.0
Naphthalene, 2,3-...	9.57	28.9	ng	1197160	3	9.92	827933	20.0
Naphthalene, 2,3,...	10.24	14.0	ng	580831	3	9.92	827933	20.0
4,4'-Dimethylbiph...	10.48	12.3	ng	506943	3	9.92	827933	20.0
Pentadecane, 2,6,...	10.58	24.2	ng	1000950	3	9.92	827933	20.0
Pentadecane, 2,6,...	10.84	46.1	ng	1695410	4	11.40	734725	20.0
Hexadecane, 2-met...	11.31	37.0	ng	1359910	4	11.40	734725	20.0
Phenanthrene, 1-m...	13.13	21.1	ng	790464	5	14.04	749567	20.0
.beta.-iso-Methyl...	16.16	14.8	ng	359345	6	15.48	486557	20.0
unknown16.58	16.58	13.2	ng	321577	6	15.48	486557	20.0