LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

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-BF090115.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	4.410	244	247	256	rVB	561909	1038770	40.88%	1.676%
2	4.913	288	291	297	rVV	1611348	1797380	70.74%	2.900%
3	5.313	321	326	328	rBV2	64623	98106	3.86%	0.158%
4	5.462	337	339	342	rVB3	52155	122786	4.83%	0.198%
5	5.530	342	345	347	rBV	38408	70179	2.76%	0.113%
6	5.587	347	350	353	rVB2	208464	311057	12.24%	0.502%
7	5.644	353	355	357	rBV	119651	152362	6.00%	0.246%
8	5.690	357	359	363	rVB2	30657	70506	2.77%	0.114%
9	5.793	363	368	370	rBV	125862	179286	7.06%	0.289%
10	5.862	370	374	375	rBV2	268768	303666	11.95%	0.490%
11	5.896	375	377	380	rVB3	39468	74979	2.95%	0.121%
12	5.953	380	382	384	rBV	86829	88407	3.48%	0.143%
13	6.033	386	389	392	rVB	1593353	1748511	68.82%	2.821%
14	6.090	392	394	395	rBV	134444	156165	6.15%	0.252%
15	6.124	395	397	399	rVB	1425842	1710121	67.30%	2.759%
16	6.216	403	405	407	rVB3	52719	65565	2.58%	0.106%
17	6.319	409	414	416	rBV3	121405	276285	10.87%	0.446%
18	6.353	416	417	420	rBV2	265157	376704	14.83%	0.608%
19	6.399	420	421	423	rVB	358445	279233	10.99%	0.450%
20	6.445	423	425	427	rVB2	70323	88829	3.50%	0.143%
21	6.513	429	431	436	rVB2	1435975	1770601	69.68%	2.856%
22	6.627	436	441	442	rBV2	283151	368676	14.51%	0.595%
23	6.673	442	445	446	rVB2	146859	201868	7.94%	0.326%
24	6.696	446	447	450	rBV2	167677	198374	7.81%	0.320%
25	6.753	450	452	454	rBV2	191351	209318	8.24%	0.338%
26	6.787	454	455	457	rVB	98540	119796	4.71%	0.193%
27	6.936	459	468	472	rBV2	1025658	2014349	79.28%	3.250%
28	7.027	472	476	478	rVB3	214960	382304	15.05%	0.617%
29	7.107	478	483	485	rBV2	195121	538854	21.21%	0.869%
30	7.153	485	487	488	rBV	214970	201445	7.93%	0.325%
31	7.176	488	489	492	rVB2	384388	460522	18.12%	0.743%
32	7.233	492	494	496	rVB2	152277	174859	6.88%	0.282%
33	7.290	496	499	501	rBV2	555918	860942	33.88%	1.389%
34	7.325	501	502	504	rVB2	224016	286638	11.28%	0.462%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.370	504	506	507	rBV2	130665	210531	8.29%	0.340%
36	7.393	507	508	510	rVB2	421514	484647	19.07%	0.782%
37	7.439	510	512	514	rVB3	231311	314139	12.36%	0.507%
38	7.496	514	517	519	rBV4	187998	378724	14.91%	0.611%
39	7.542	519	521	522	rBV	181707	170085	6.69%	0.274%
40	7.656	526	531	532	rBV2	942214	1808229	71.17%	2.917%
41	7.702	532	535	537	rVB2	296549	590254	23.23%	0.952%
42	7.747	537	539	542	rBV2	646521	860473	33.87%	1.388%
43	7.793	542	543	546	rVB3	64929	101553	4.00%	0.164%
44	7.850	546	548	551	rBV2	442394	651626	25.65%	1.051%
45	7.942	554	556	557	rBV2	258708	406339	15.99%	0.656%
46	7.965	557	558	559	rVB	376366	258187	10.16%	0.417%
47	7.999	559	561	562	rVB	95987	91748	3.61%	0.148%
48	8.045	562	565	569	rBV4	241121	471707	18.56%	0.761%
49	8.113	569	571	573	rBV2	1383755	1567372	61.69%	2.528%
50	8.159	573	575	577	rVB2	489777	476710	18.76%	0.769%
51	8.205	577	579	582	rBV4	253964	367650	14.47%	0.593%
52	8.262	582	584	585	rBV2	136576	231777	9.12%	0.374%
53	8.285	585	586	587	rBV	166484	148126	5.83%	0.239%
54	8.319	587	589	590	rVB2	340679	318052	12.52%	0.513%
55	8.365	590	593	595	rVB3	981813	1629241	64.12%	2.628%
56	8.410	595	597	599	rBV3	145545	351446	13.83%	0.567%
57	8.468	599	602	607	rVB3	688252	1821436	71.69%	2.938%
58	8.582	607	612	614	rBV6	362732	958490	37.72%	1.546%
59	8.708	619	623	624	rBV2	1401638	1785850	70.28%	2.881%
60	8.742	624	626	628	rVB	1227686	1344379	52.91%	2.169%
61	8.799	629	631	634	rBV2	309079	686822	27.03%	1.108%
62	8.879	634	638	640	rVV3	362382	939048	36.96%	1.515%
63	8.925	640	642	644	rVV2	386258	612307	24.10%	0.988%
64	8.993	646	648	650	rBV	957086	1351199	53.18%	2.180%
65	9.073	652	655	656	rVV	926243	1544792	60.80%	2.492%
66	9.165	660	663	665	rVV2	1903045	2540880	100.00%	4.099%
67	9.268	669	672	673	rBV2	326852	426619	16.79%	0.688%
68	9.393	681	683	685	rVB3	618951	640416	25.20%	1.033%
69	9.508	691	693	695	rVB	553684	672382	26.46%	1.085%
70	9.611	698	702	703	rBV	613225	1069917	42.11%	1.726%
71	9.645	703	705	707	rVB2	520334	704143	27.71%	1.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.691	707	709	710	rBV	413924	494443	19.46%	0.798%
73	9.725	710	712	713	rBV	436128	596879	23.49%	0.963%
74	9.805	715	719	724	rBV5	557526	1282911	50.49%	2.070%
75	9.896	726	727	729	rVB2	227307	293261	11.54%	0.473%
76	9.931	729	730	732	rVB	227010	307144	12.09%	0.495%
77	9.976	732	734	740	rBV4	370844	1195352	47.04%	1.928%
78	10.079	741	743	745	rVB	989785	1437575	56.58%	2.319%
79	10.182	750	752	754	rVB3	1044363	1219739	48.00%	1.968%
80	10.216	754	755	759	rBV4	225967	505078	19.88%	0.815%
81	10.308	762	763	765	rBV2	199968	245493	9.66%	0.396%
82	10.353	765	767	769	rVV	2243374	2499991	98.39%	4.033%
83	10.388	769	770	771	rVB	203940	139801	5.50%	0.226%
84	10.513	780	781	783	rBV2	372978	484326	19.06%	0.781%
85	10.559	783	785	787	rVB2	314959	458336	18.04%	0.739%
86	10.811	805	807	809	rVB	1286069	1436631	56.54%	2.318%
87	10.868	809	812	815	rBV2	267897	616646	24.27%	0.995%
88	11.154	835	837	838	rVB	324357	325712	12.82%	0.525%
89	11.188	838	840	841	rBV	105330	99669	3.92%	0.161%
90	11.279	846	848	852	rBV4	79889	175720	6.92%	0.283%
91	11.359	853	855	856	rBV2	180633	234189	9.22%	0.378%
92	11.462	863	864	865	rBV	154822	142478	5.61%	0.230%
93	11.805	892	894	895	rVB	93120	85605	3.37%	0.138%
94	11.908	901	903	904	rVB	155821	130590	5.14%	0.211%
95	12.308	937	938	940	rVB	79330	104909	4.13%	0.169%
96	12.354	940	942	943	rVB	88557	96629	3.80%	0.156%
97	12.445	947	950	952	rBV	862433	974053	38.34%	1.571%
98	13.359	1028	1030	1036	rVB	50411	96848	3.81%	0.156%
99	13.462	1036	1039	1041	rBV	332544	315558	12.42%	0.509%
100	14.765	1151	1153	1156	rVB	187760	207963	8.18%	0.335%

Sum of corrected areas: 61988268

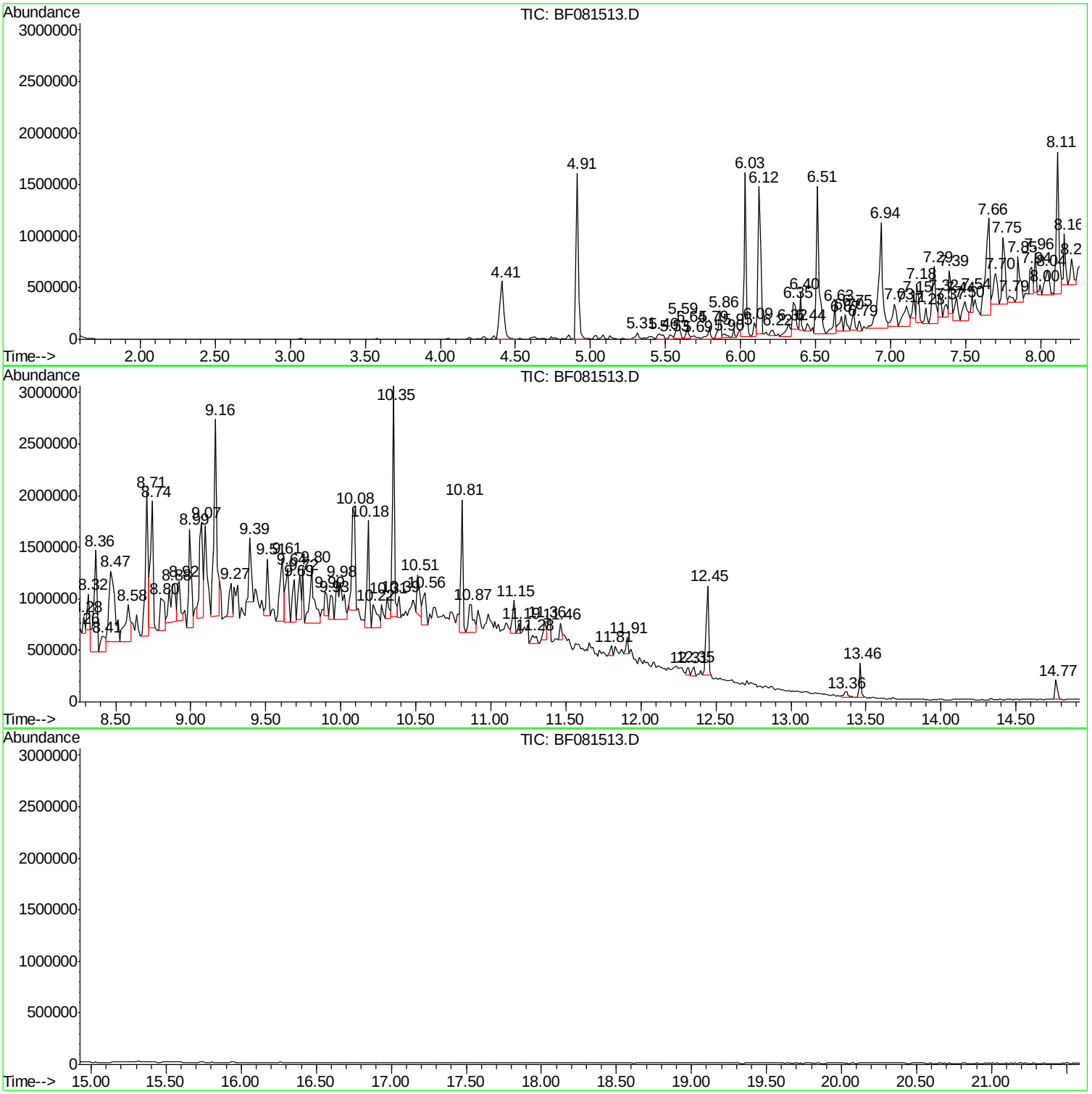
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

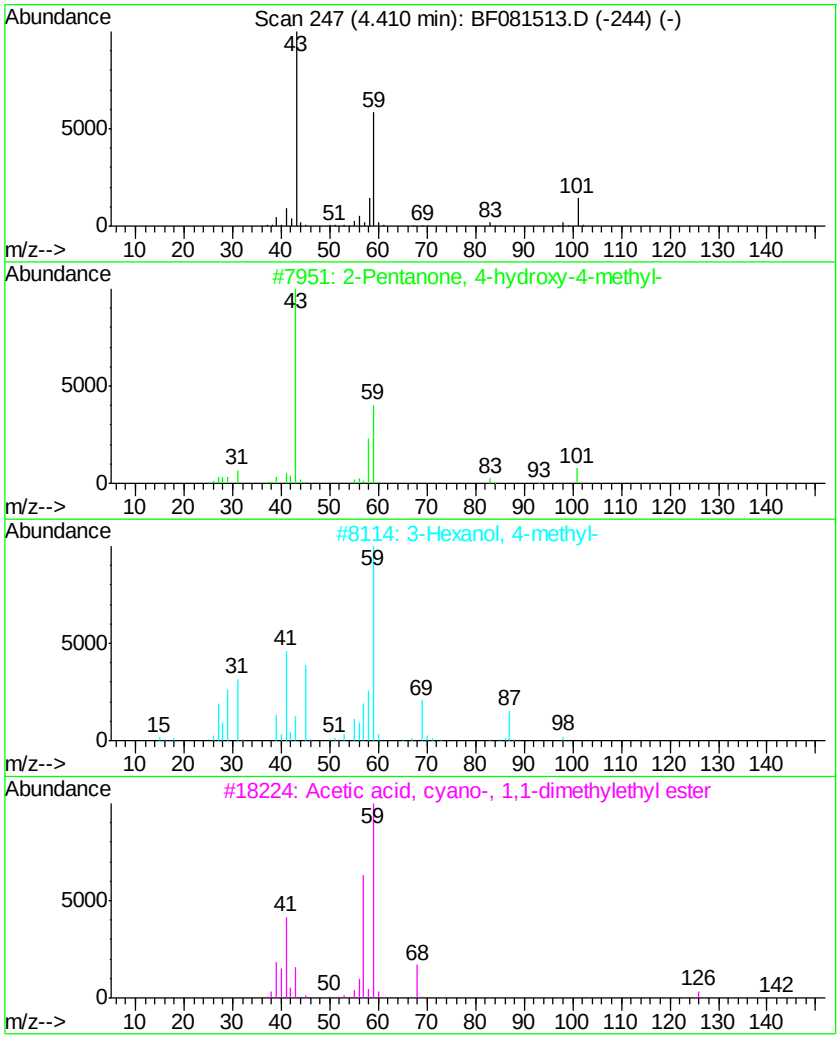
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

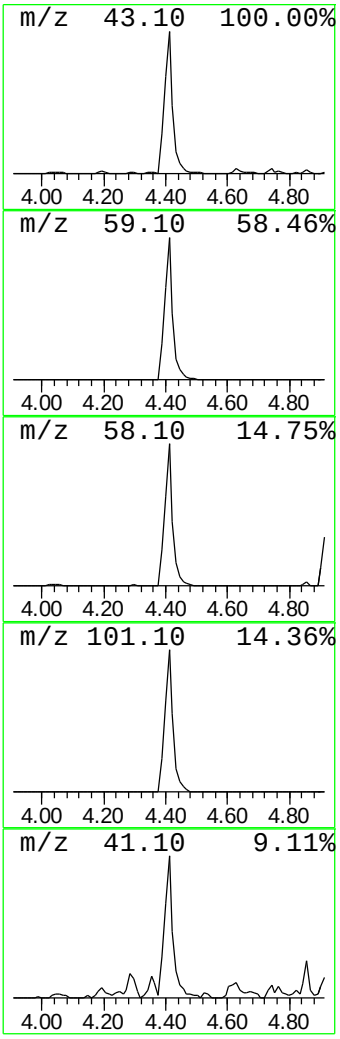
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	55.15 ng	1038770	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

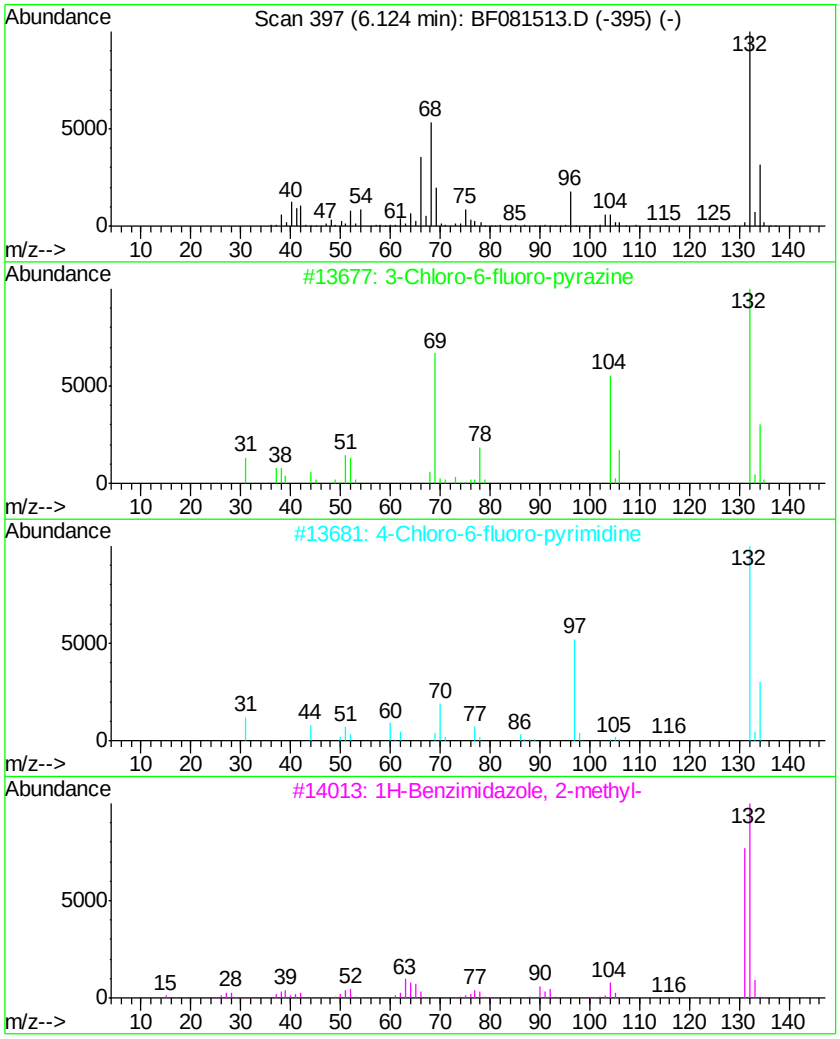
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

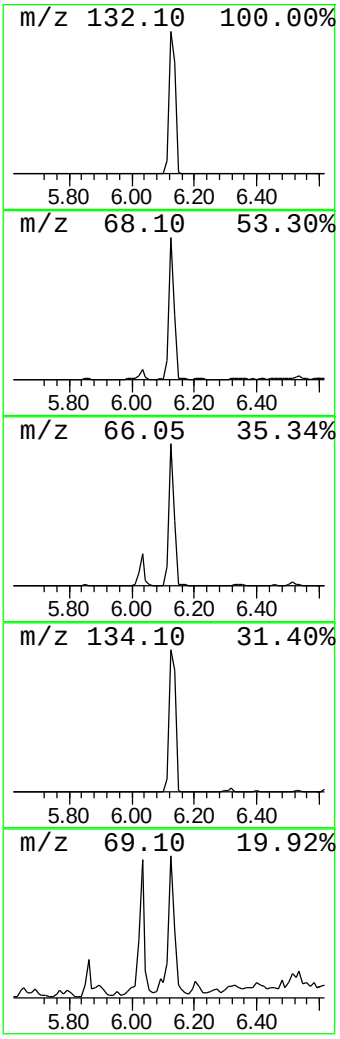
****

Peak Number 2 unknown6.12 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	90.79 ng	1710120	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	25
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

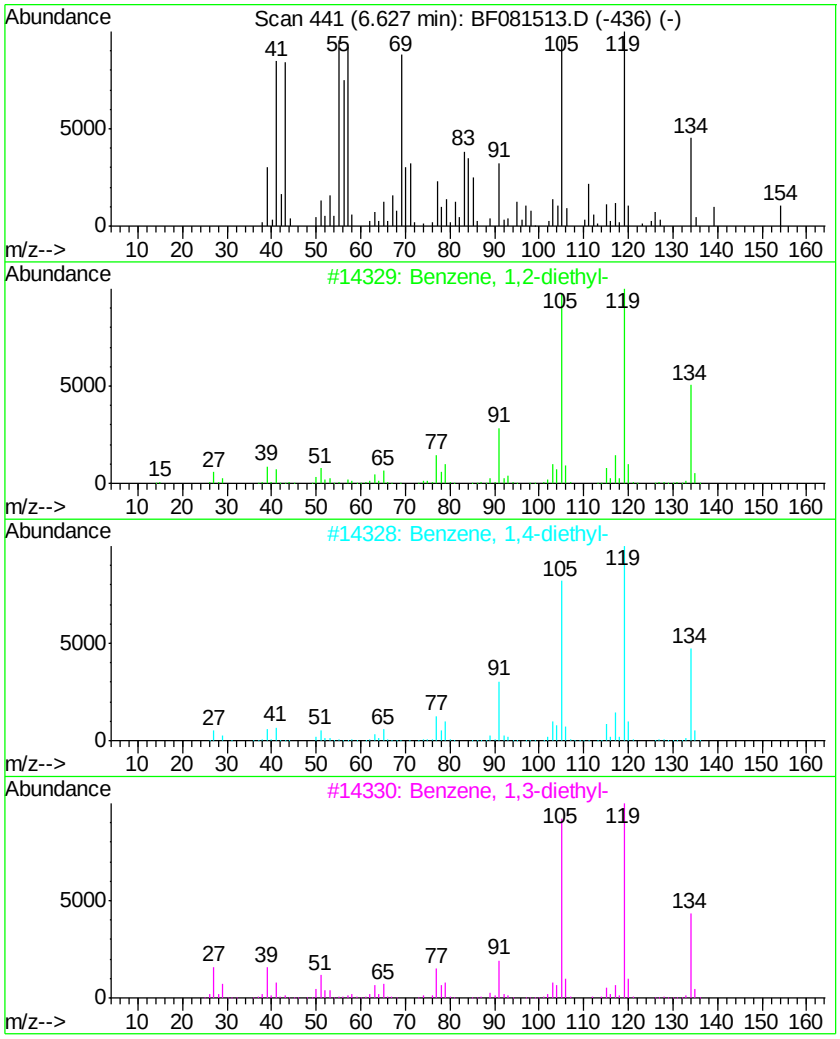
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

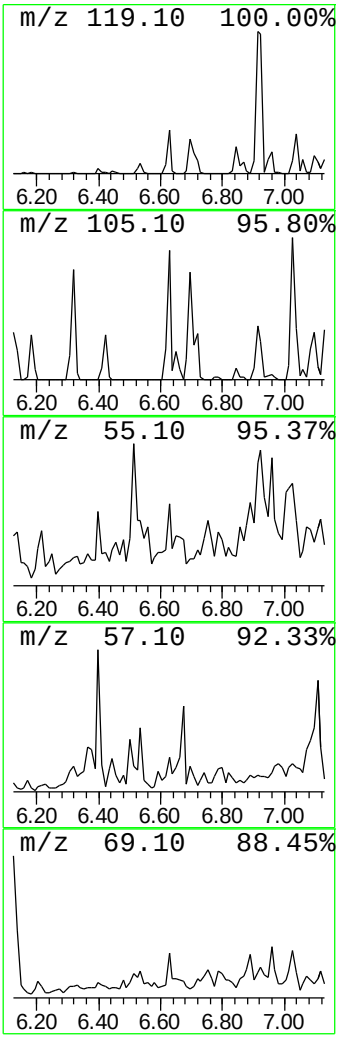
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	19.57 ng	368676	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	68
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	64
4	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	60
5	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	55





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

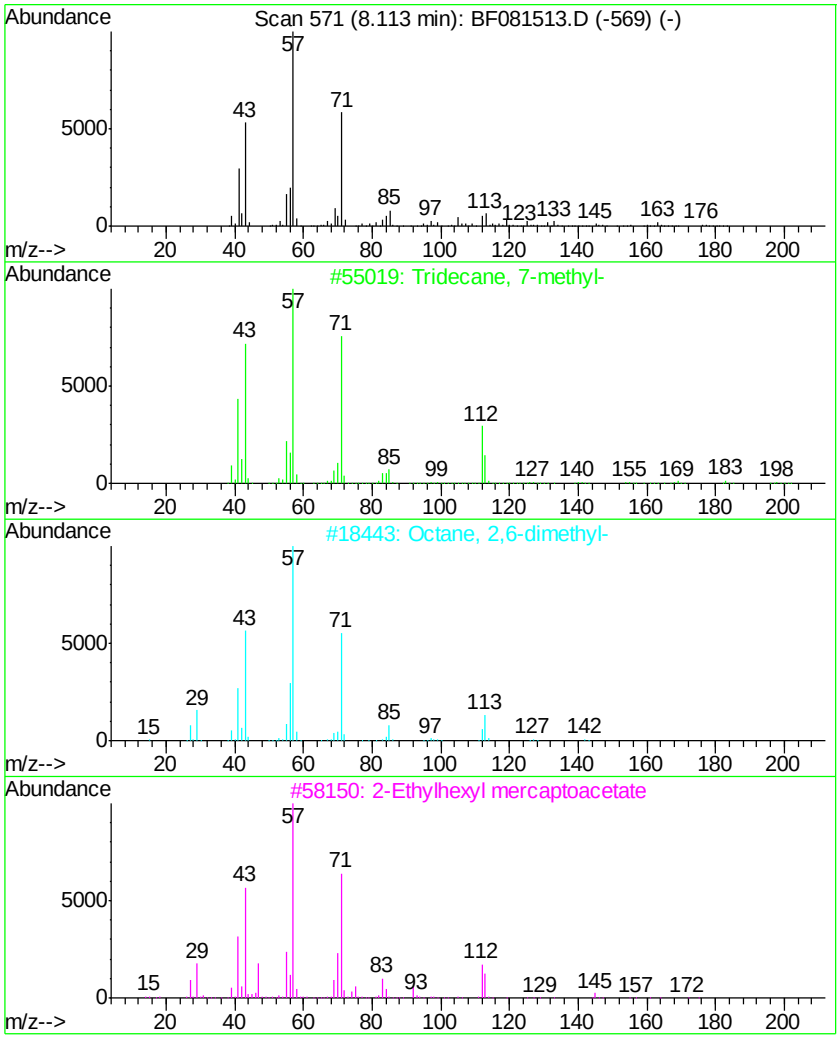
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

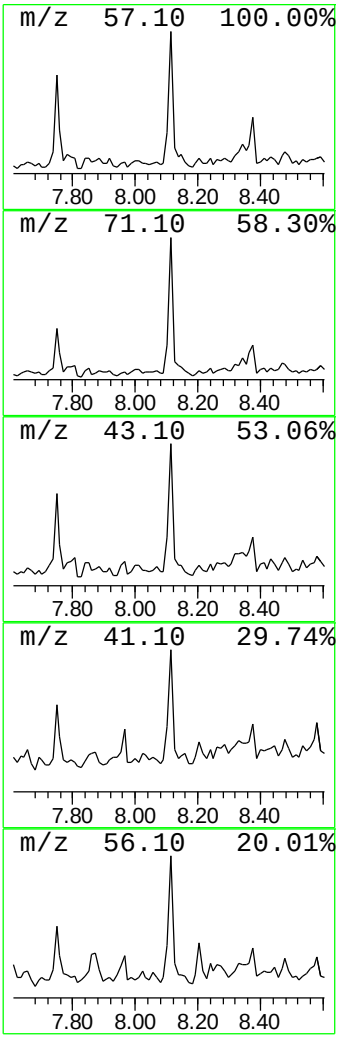
****

Peak Number 5 Tridecane, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	17.34 ng	1567370	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	64
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

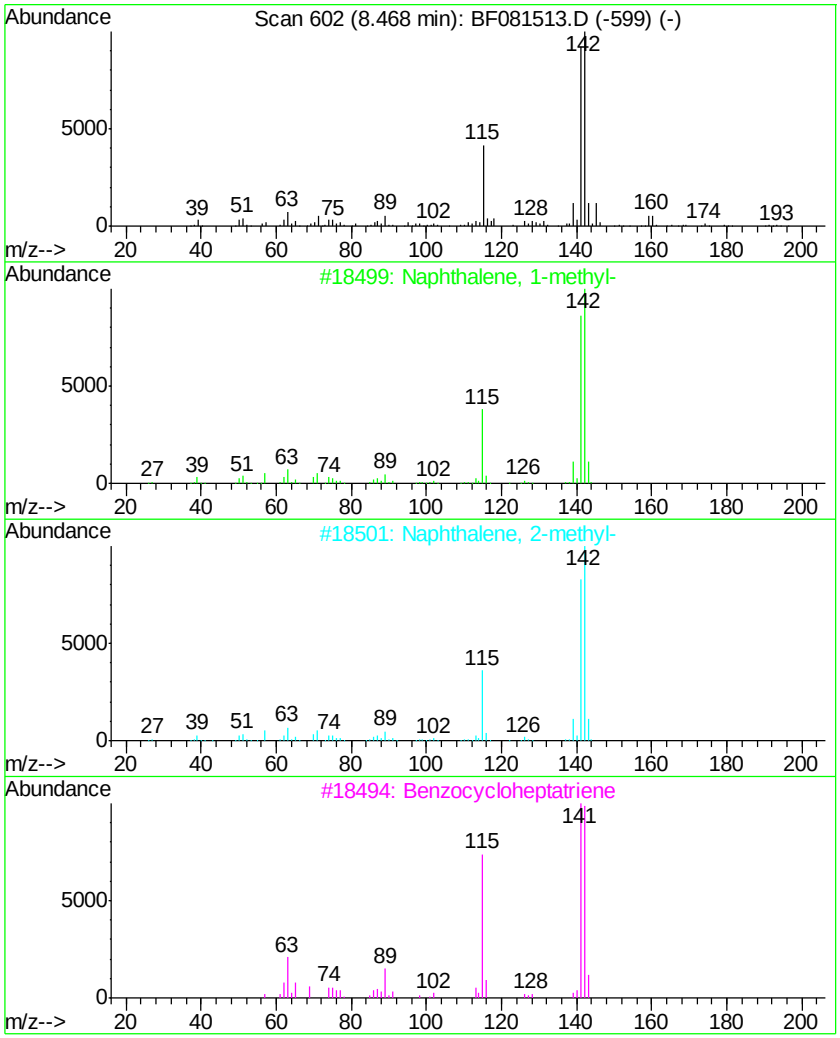
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

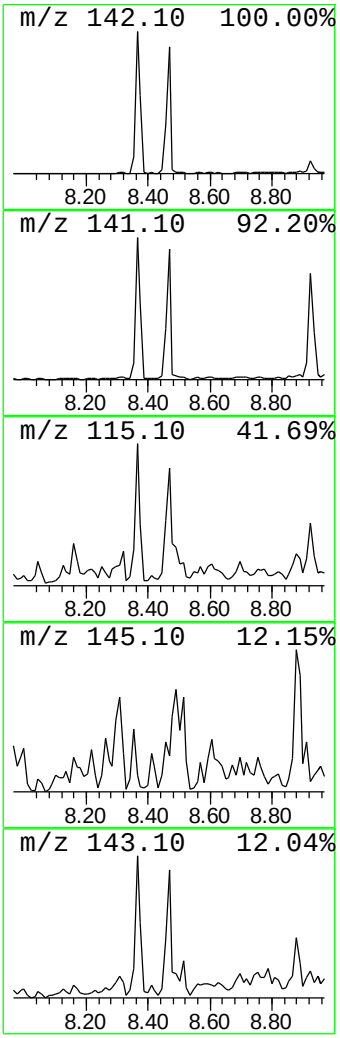
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	20.15 ng	1821440	Naphthalene-d8	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Spiro(9-methylenetricyclo[6.2.1....	184	C13H12O	033929-47-4	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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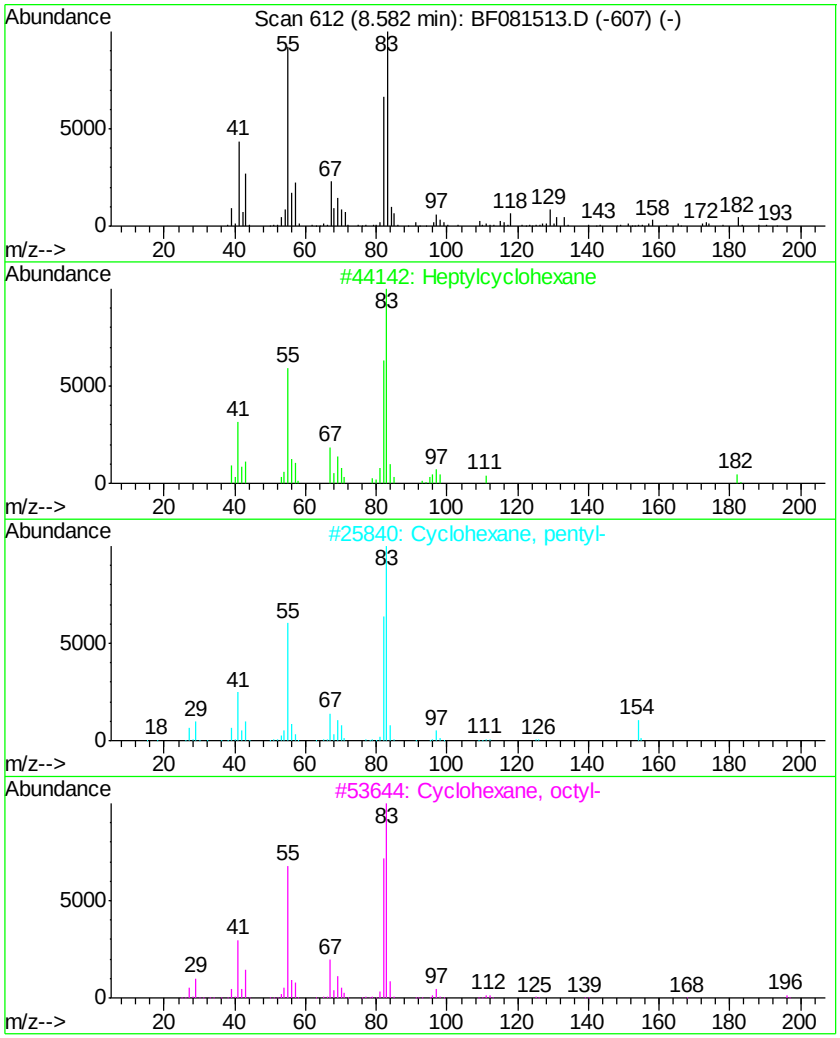
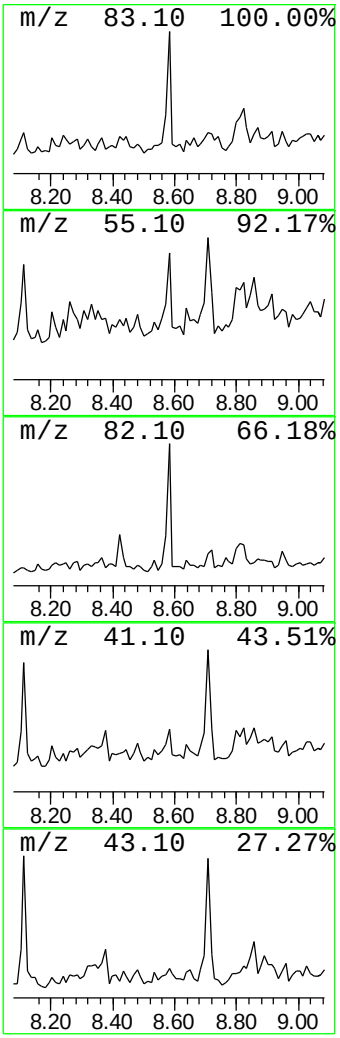
Peak Number 7 Heptylcyclohexane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	29.93 ng	958490	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	87
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	80
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	80
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	n-Amylcyclohexane	154	C11H22	029949-27-7	72





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Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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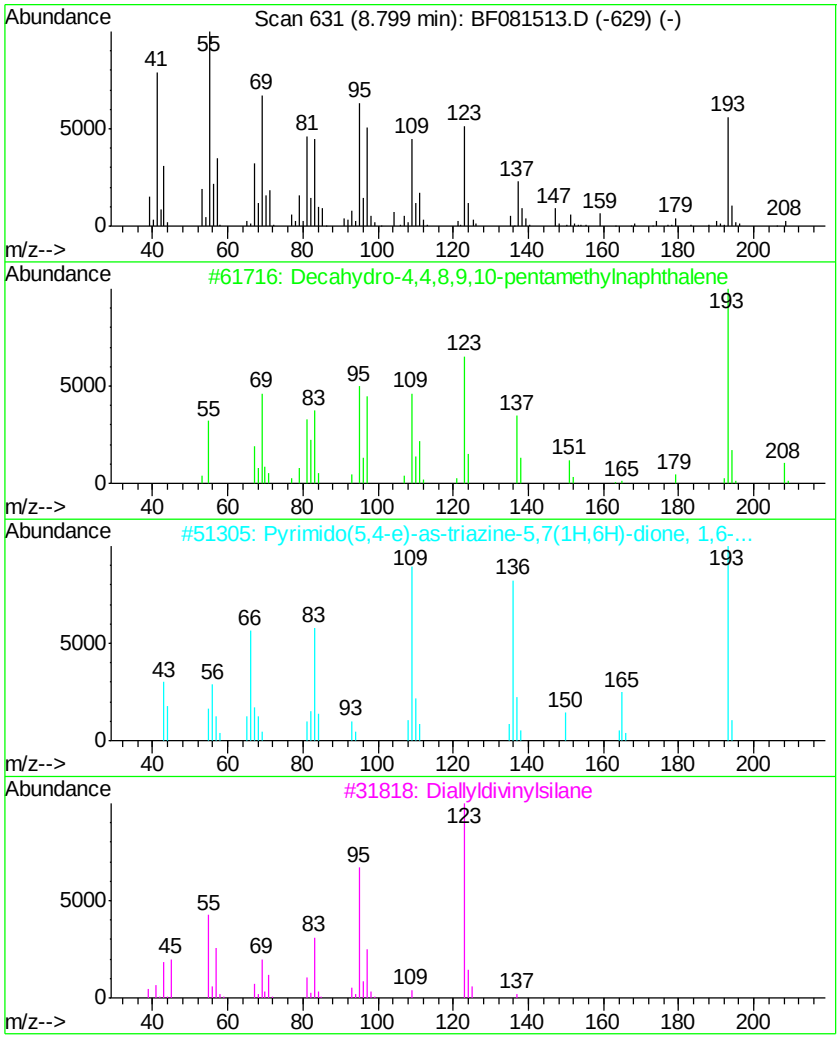
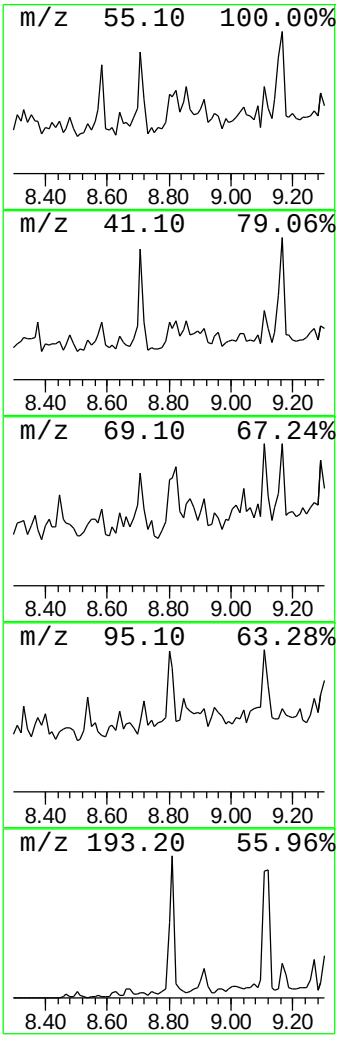
Peak Number 8 unknown8.80 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	21.45 ng	686822	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	43
2	Pyrimido(5,4-e)-as-triazine-5,7(...	193	C7H7N5O2	000084-82-2	30
3	Diallyldivinylsilane	164	C10H16Si	119901-88-1	27
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	25
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	25





Library Search Compound Report

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Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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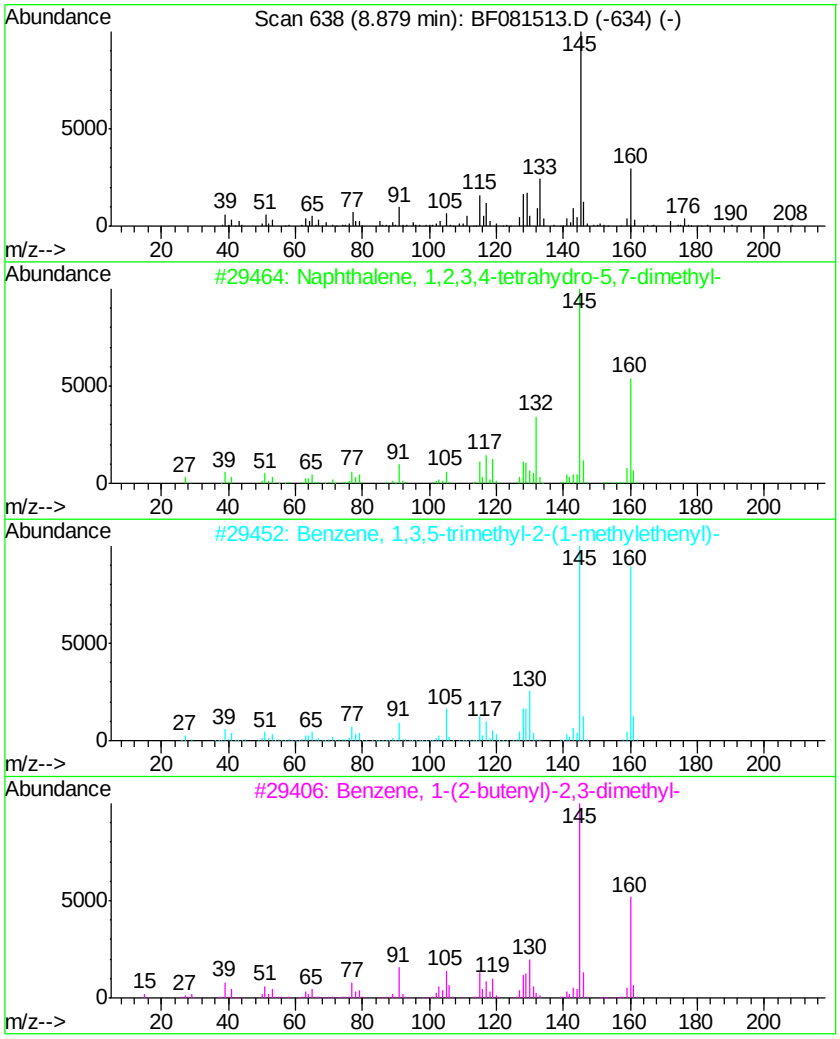
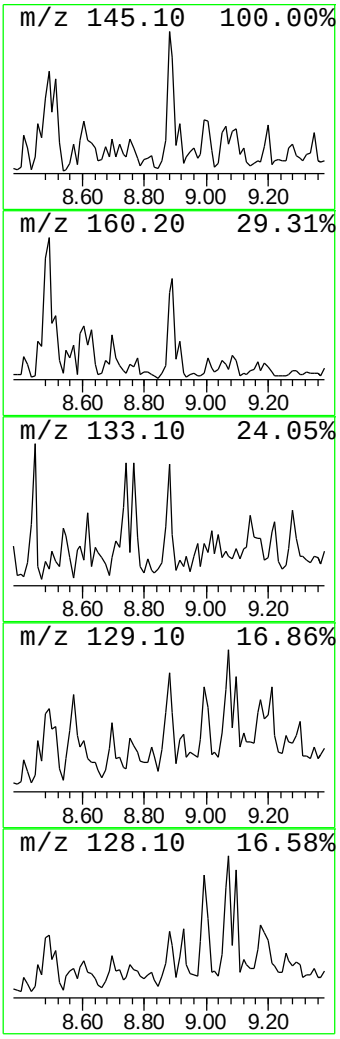
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	29.33 ng	939048	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	81
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	76
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	74
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	74
5	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	74





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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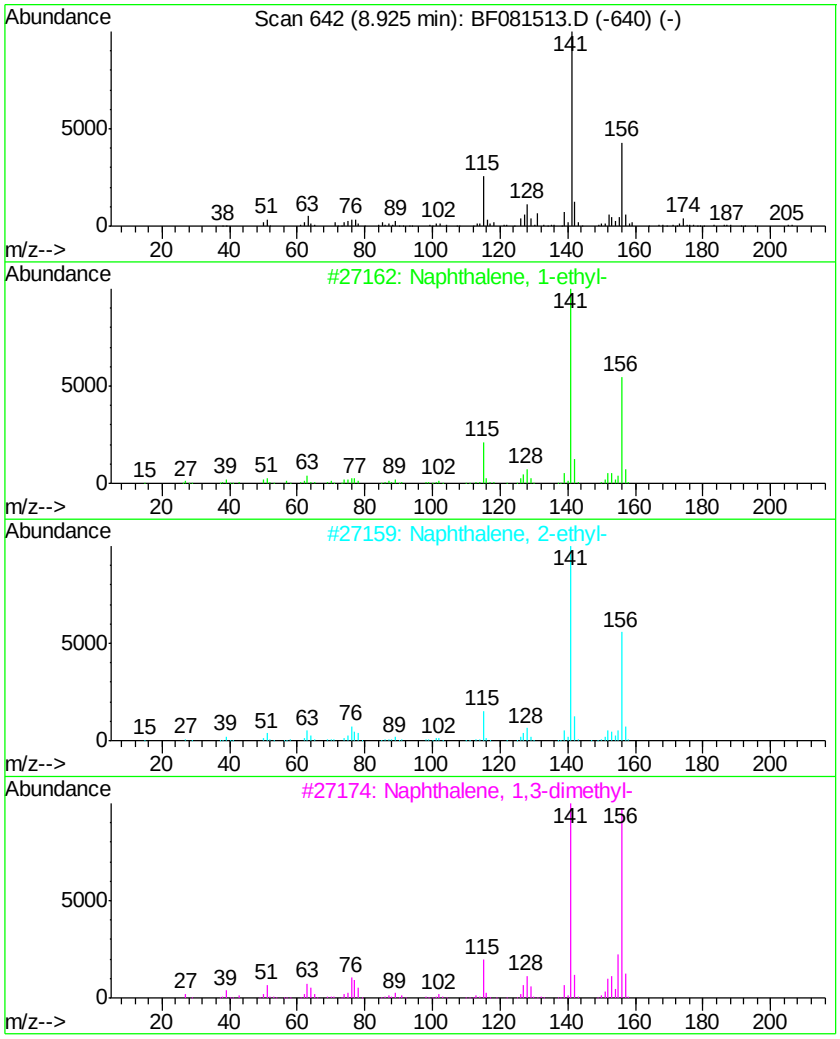
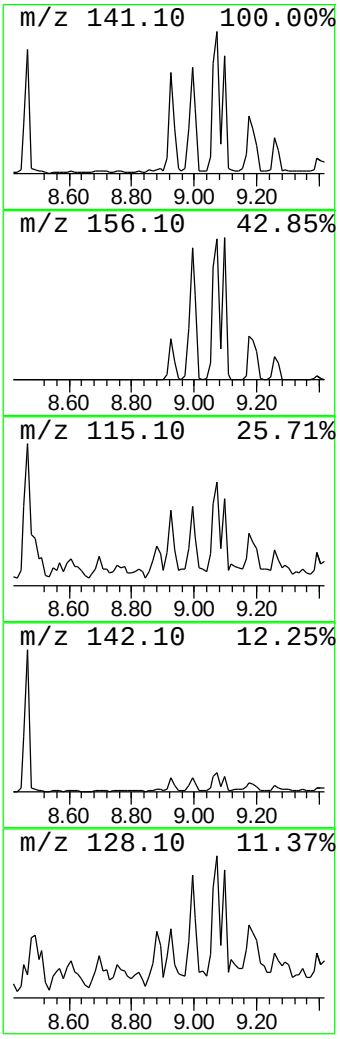
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	19.12 ng	612307	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5	Butabarbital	212	C10H16N2O3	000125-40-6	59





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Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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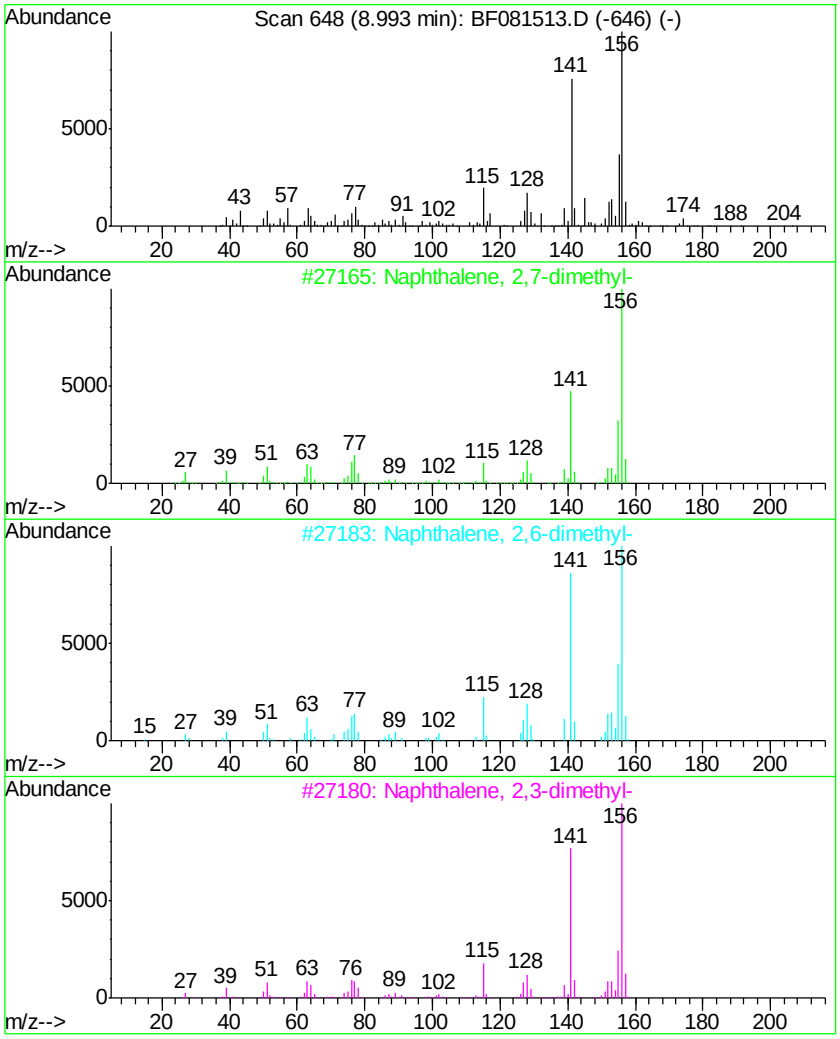
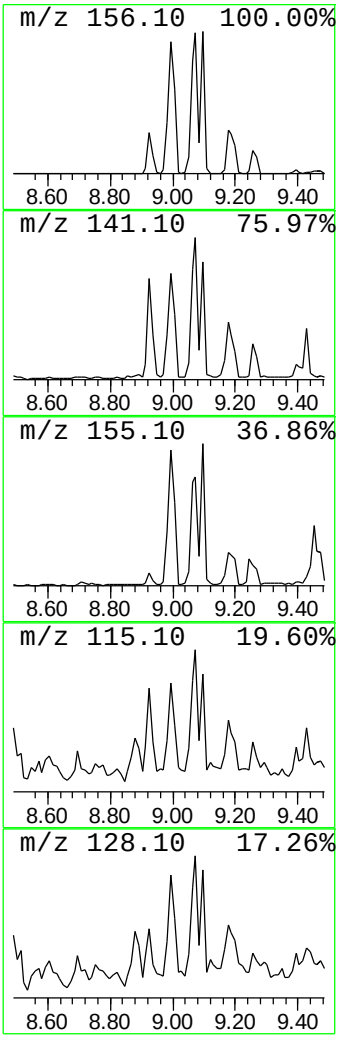
Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	42.20 ng	1351200	Acenaphthene-d10	9.39

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, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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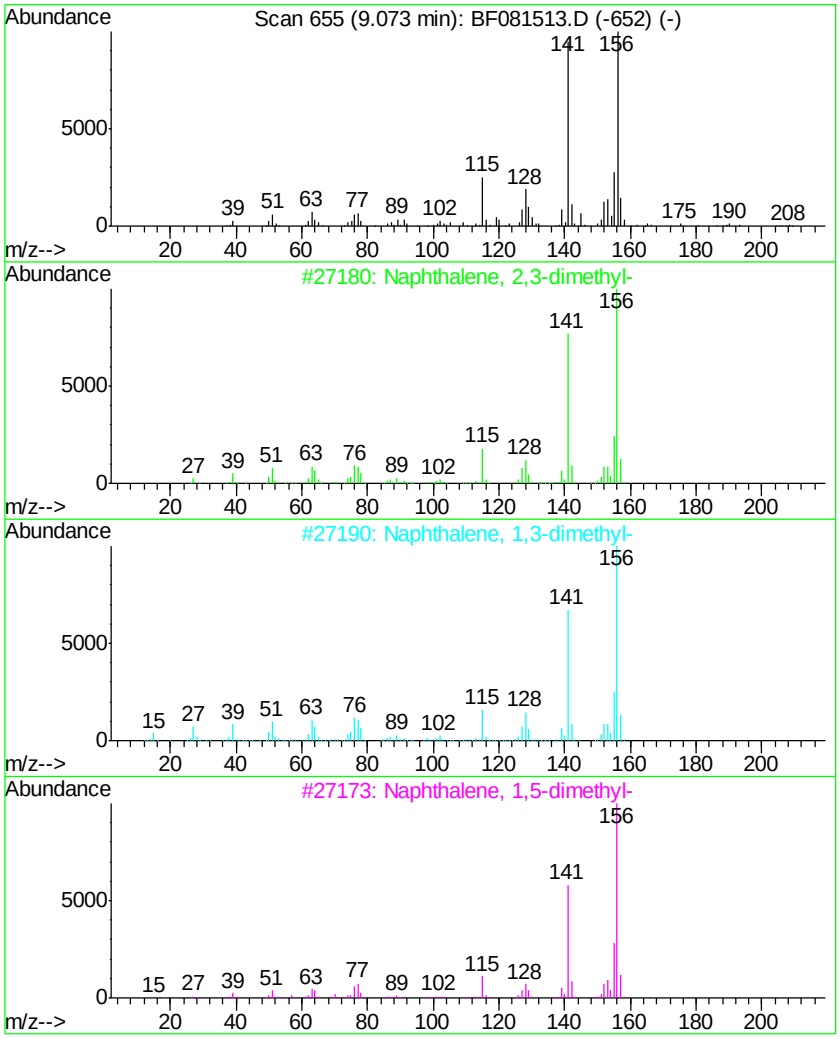
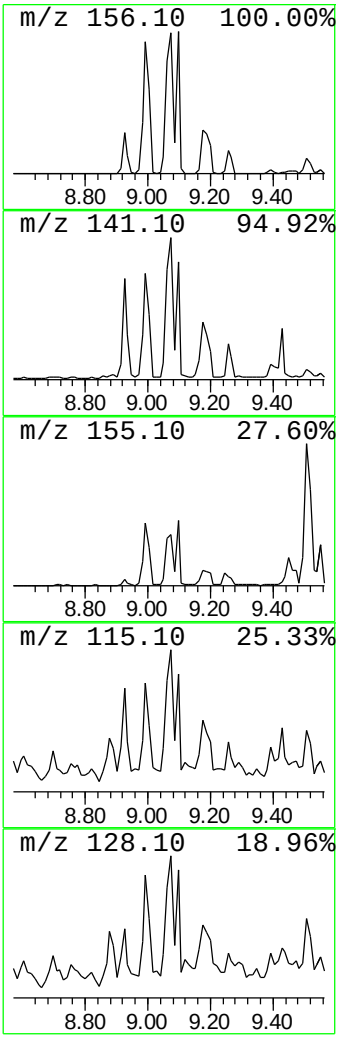
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	48.24 ng	1544790	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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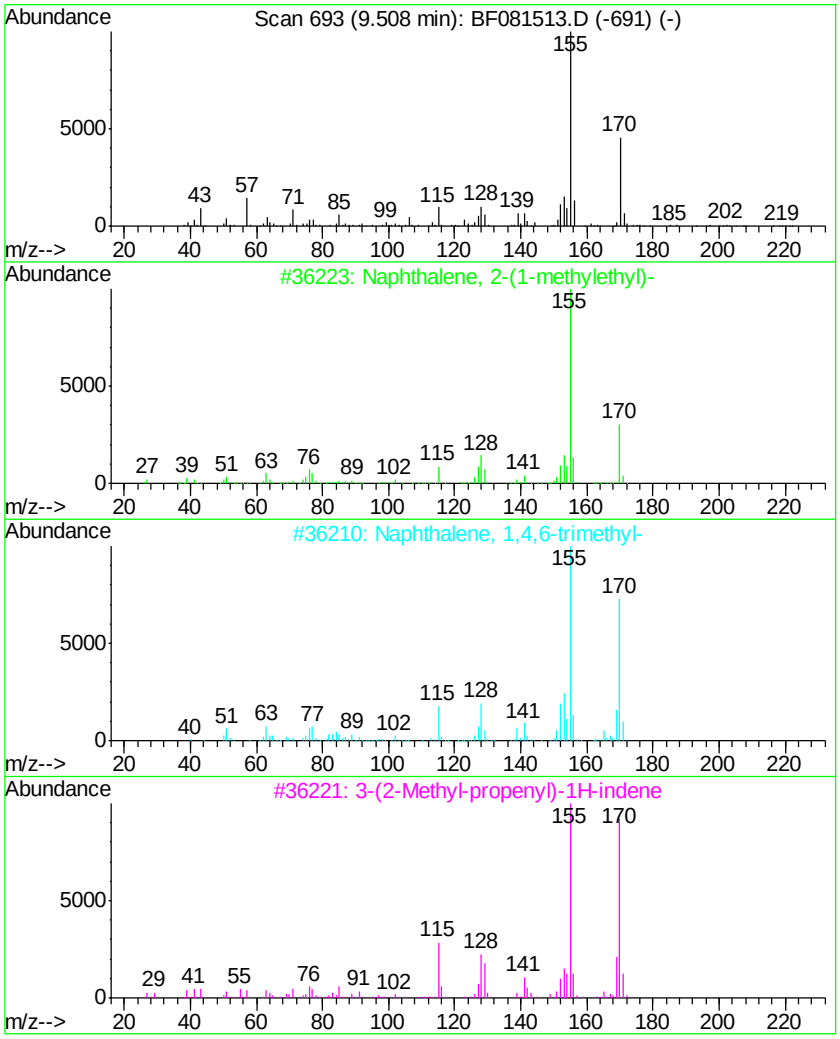
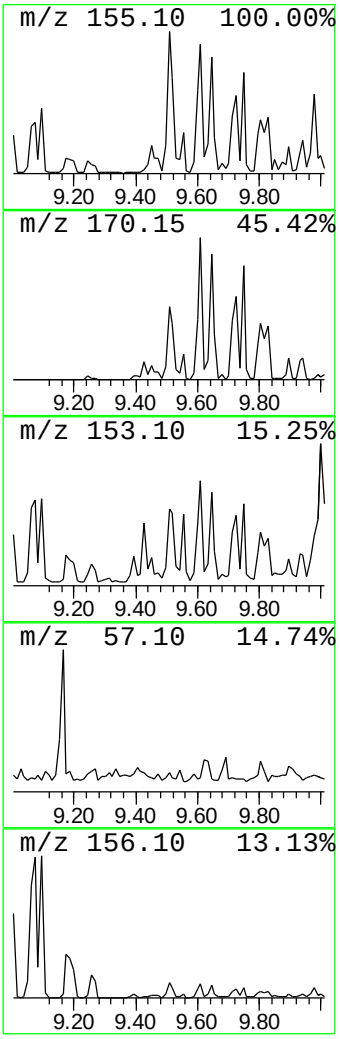
Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	21.00 ng	672382	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83
4	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	76
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76





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Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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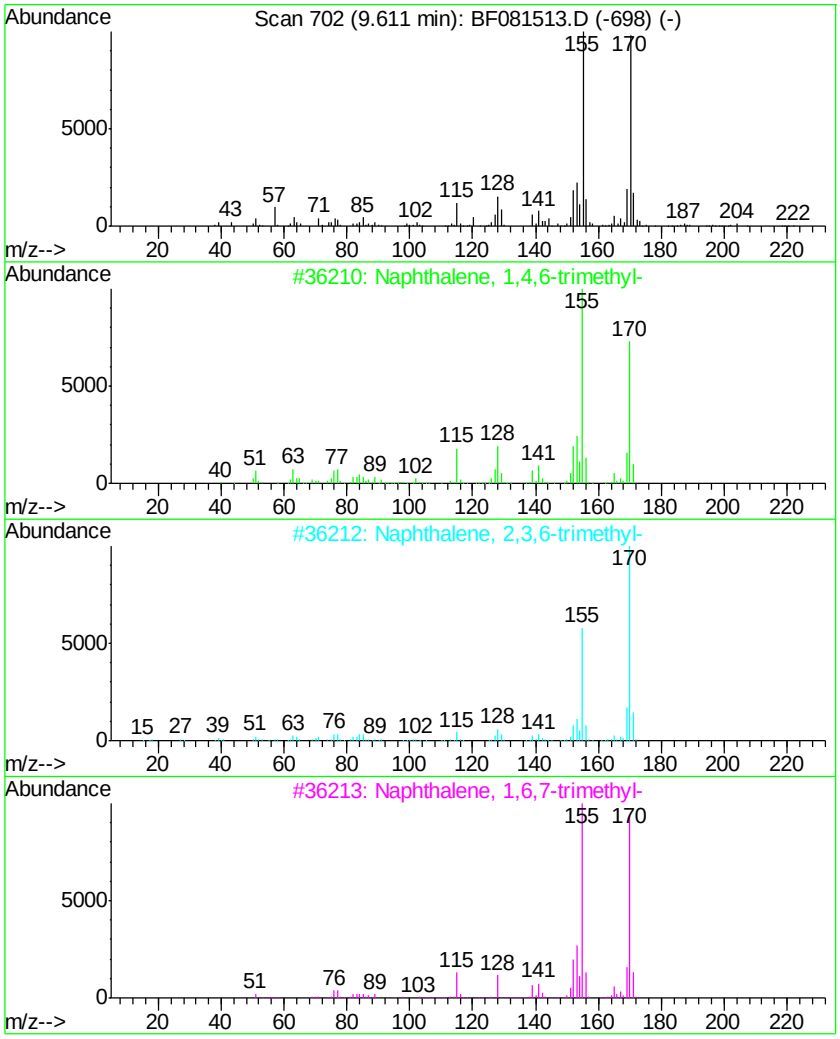
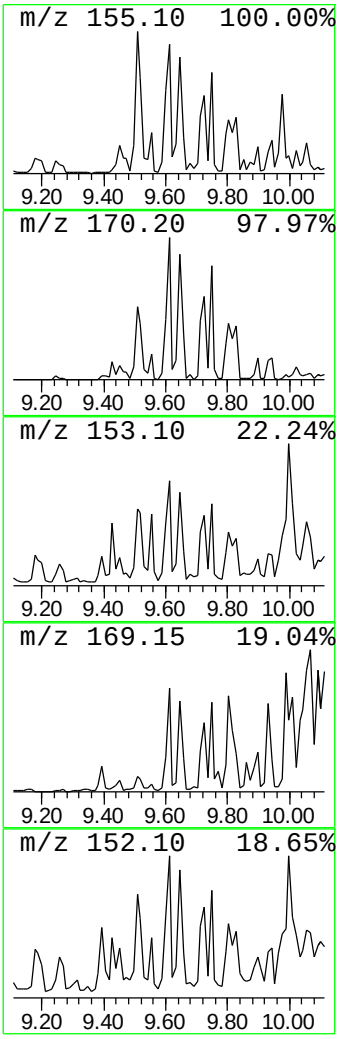
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	33.41 ng	1069920	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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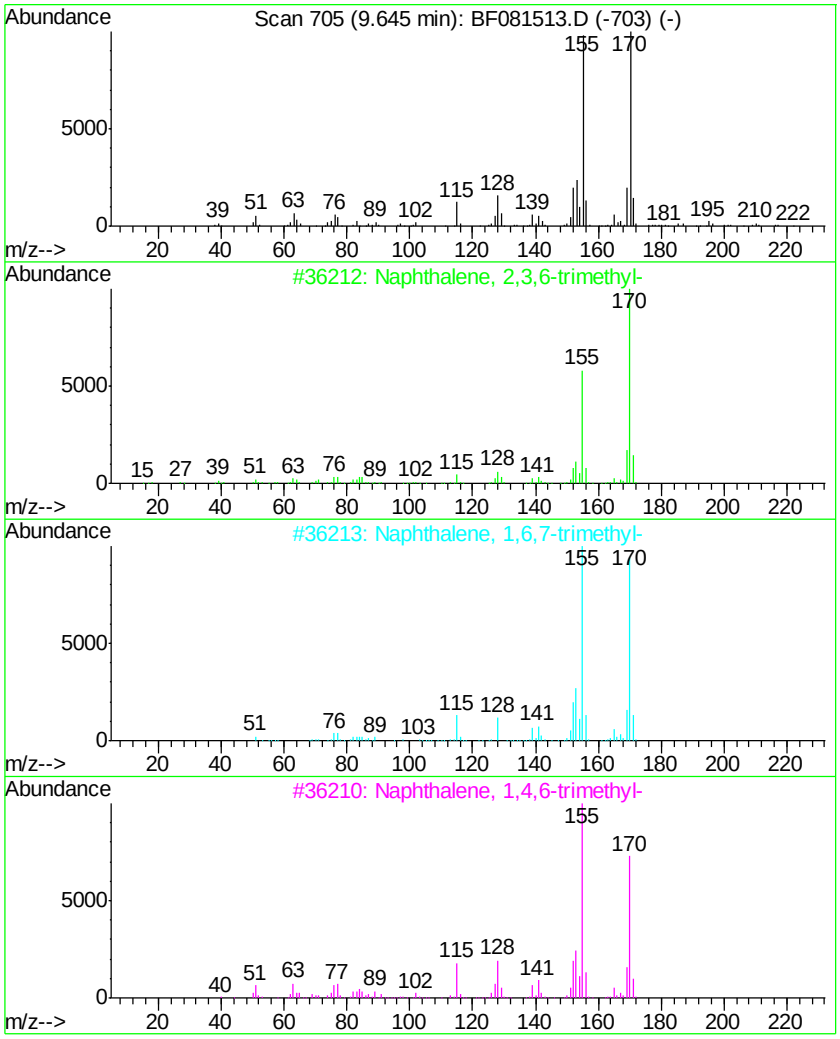
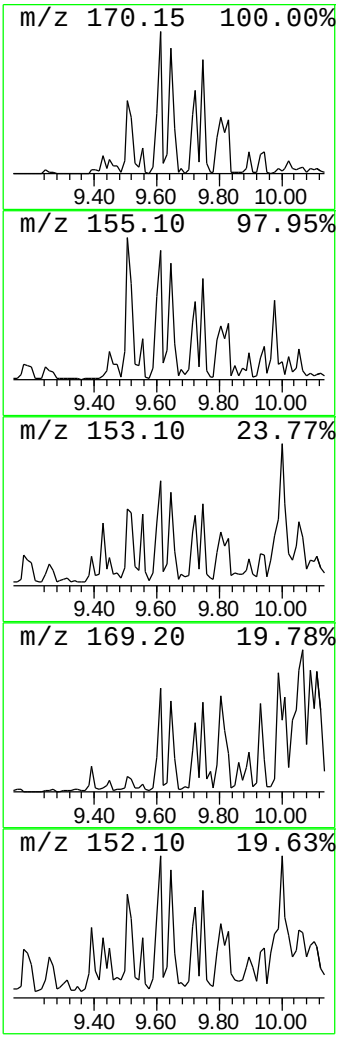
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	21.99 ng	704143	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Instrument : BNA_F
ClientSampleId : HX2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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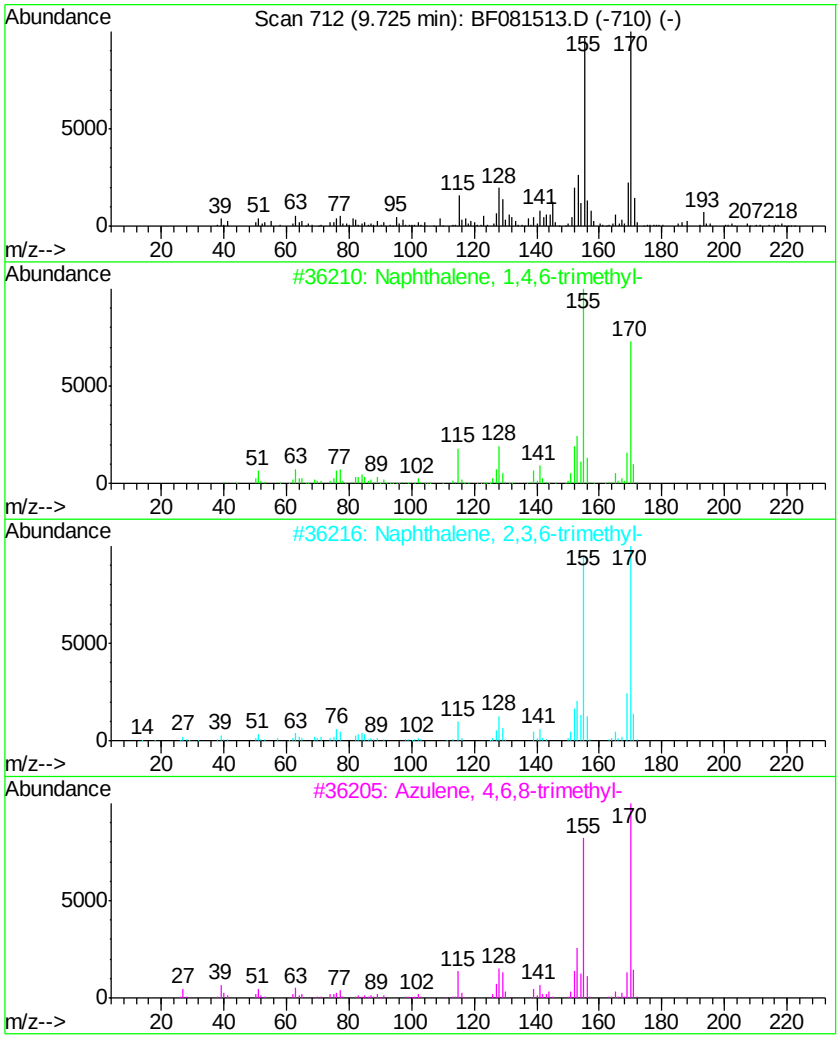
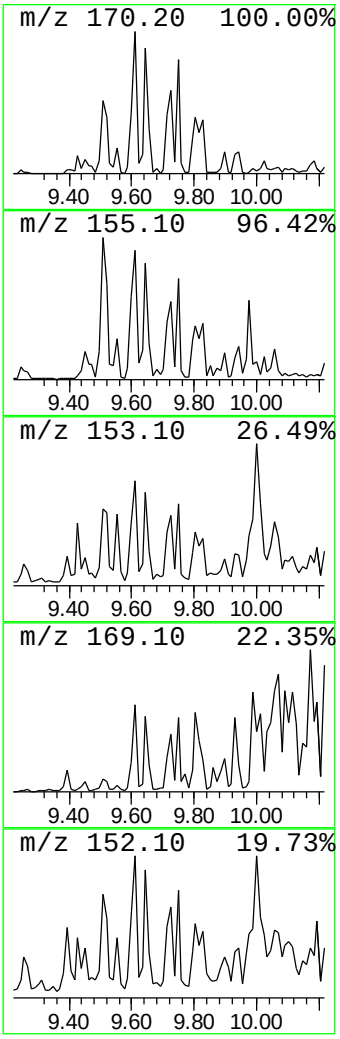
Peak Number 16 Azulene, 4,6,8-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	18.64 ng	596879	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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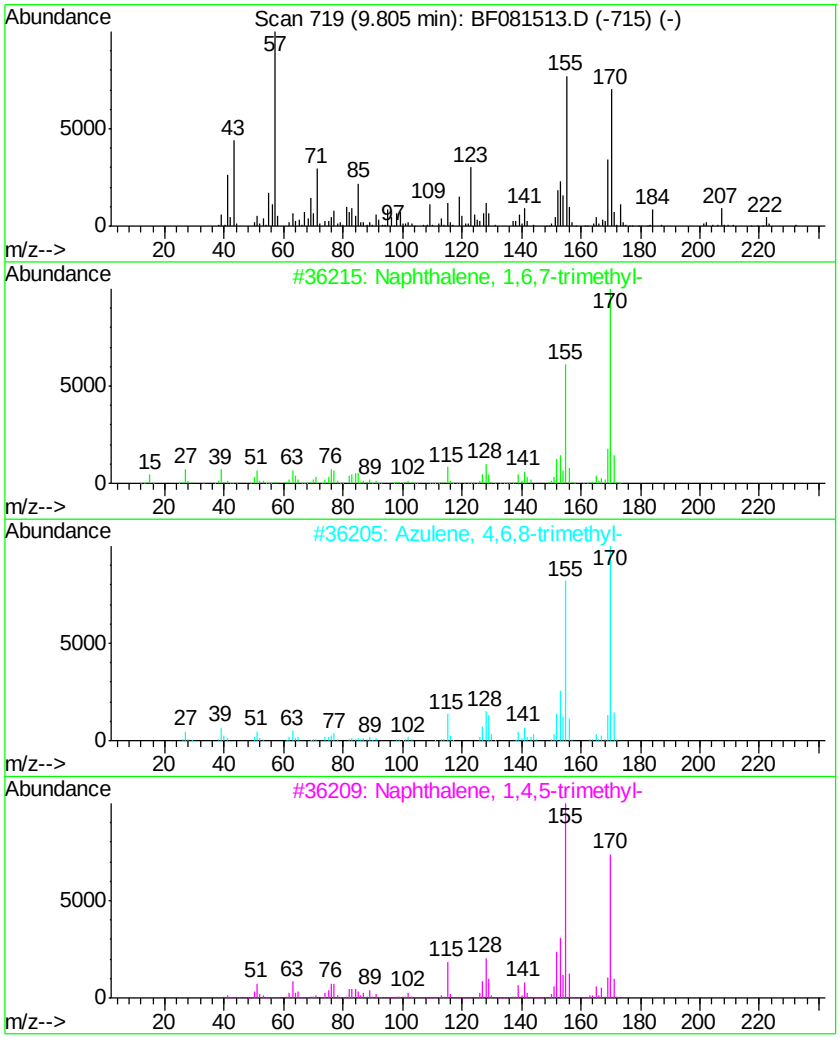
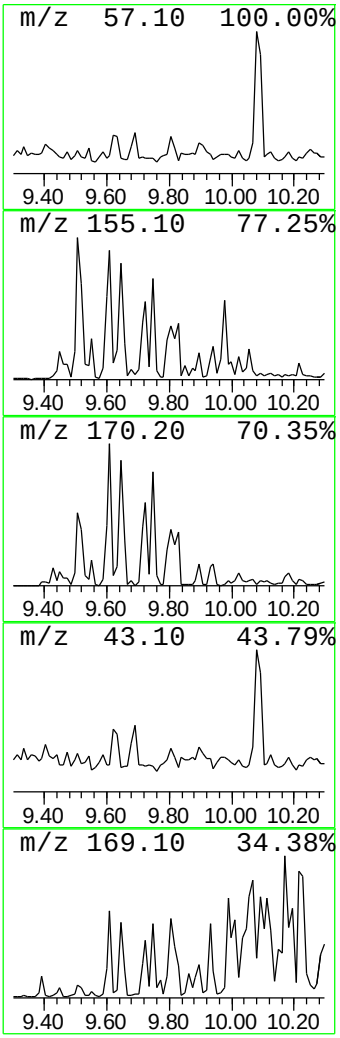
Peak Number 17 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	40.06 ng	1282910	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	83
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	58





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Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

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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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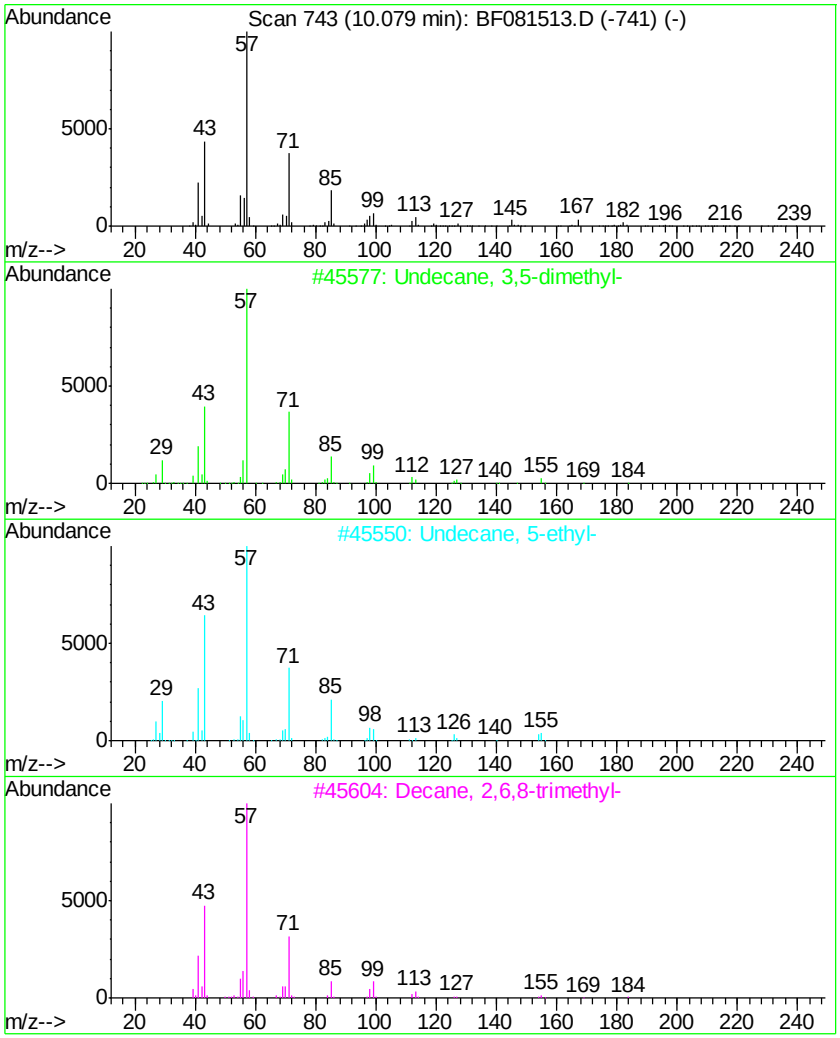
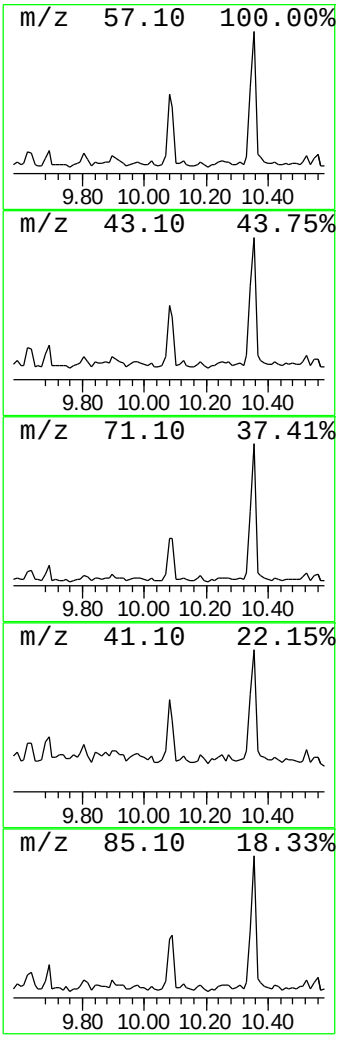
Peak Number 18 Undecane, 3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	44.90 ng	1437580	Acenaphthene-d10	9.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
2	Undecane, 5-ethyl-	184	C13H28	017453-94-0	72
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	59





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Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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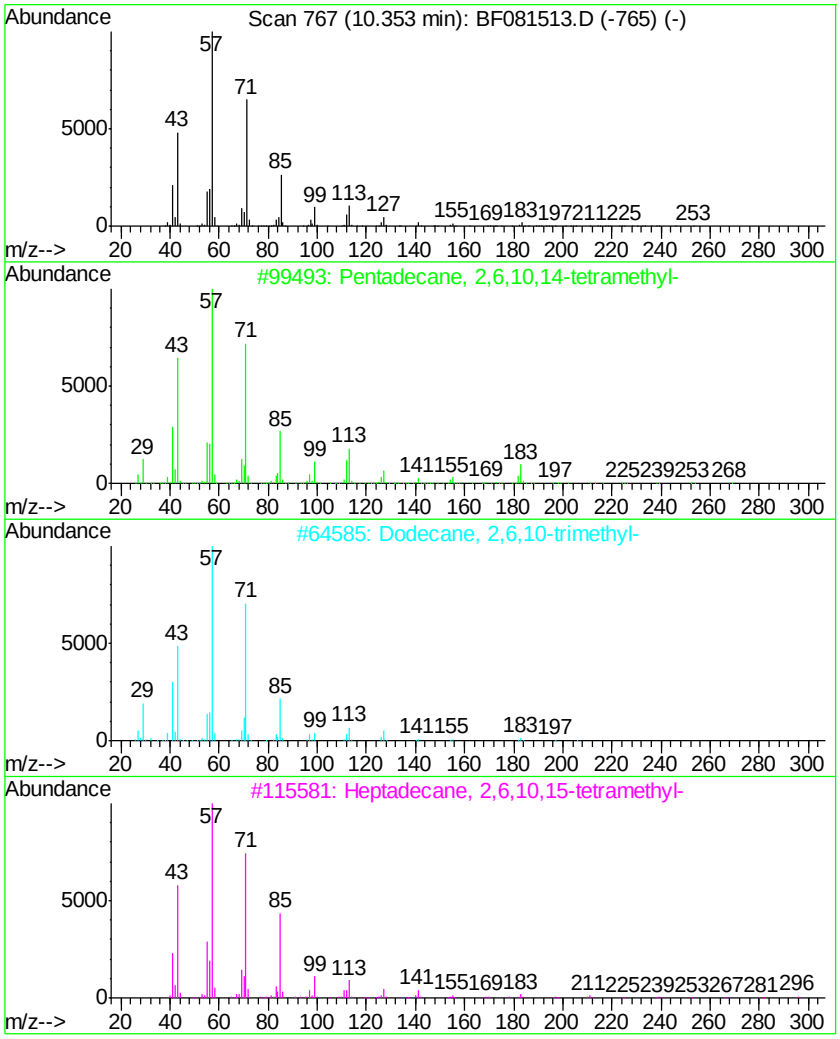
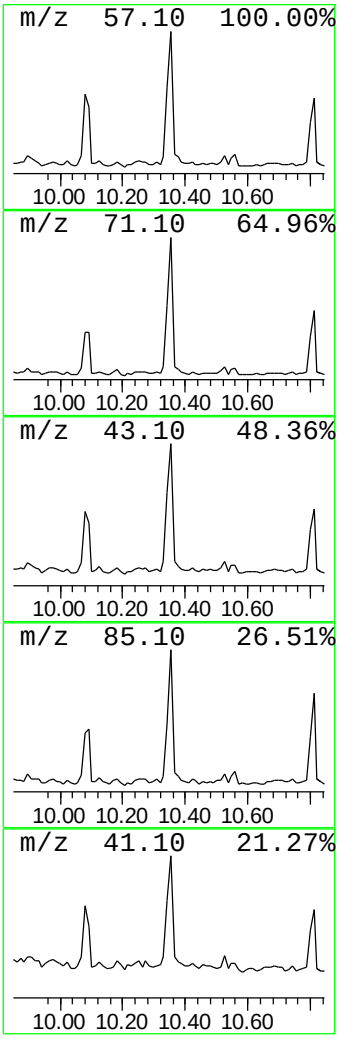
Peak Number 19 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	81.08 ng	2499990	Phenanthrene-d10	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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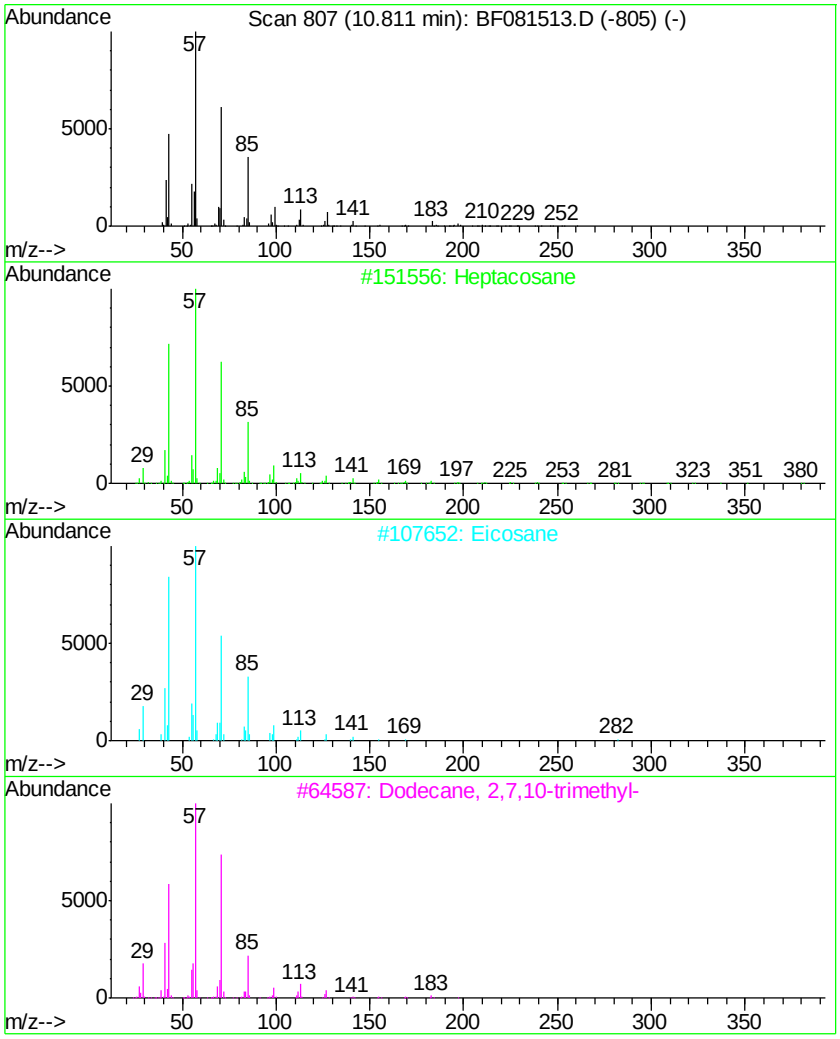
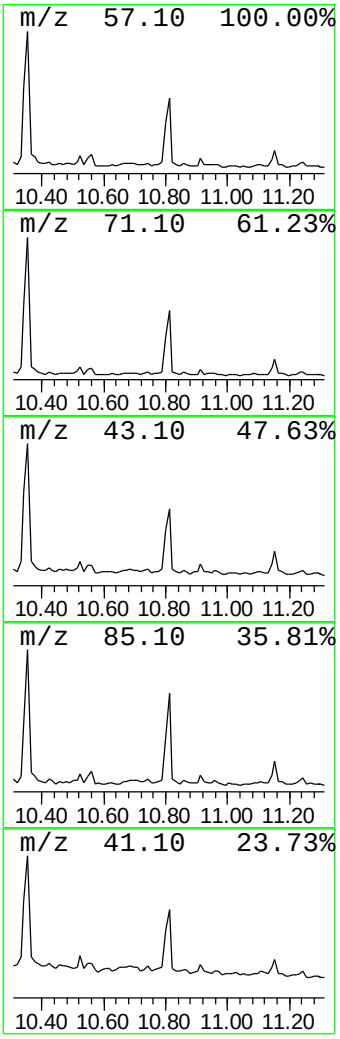
Peak Number 20 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	46.60 ng	1436630	Phenanthrene-d10	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Eicosane	282	C20H42	000112-95-8	90
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081513.D
Acq On : 6 Sep 2015 16:51
Operator : UM/IZ
Sample : G3419-02
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HX2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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...	4.41	55.1	ng	1038770	1	6.35	376704	20.0
unknown6.12	6.12	90.8	ng	1710120	1	6.35	376704	20.0
Benzene, 1,2-diet...	6.63	19.6	ng	368676	1	6.35	376704	20.0
Tridecane, 7-methyl-	8.11	17.3	ng	1567370	2	7.66	1808230	20.0
Naphthalene, 1-me...	8.47	20.1	ng	1821440	2	7.66	1808230	20.0
Heptylcyclohexane	8.58	29.9	ng	958490	3	9.39	640416	20.0
unknown8.80	8.80	21.4	ng	686822	3	9.39	640416	20.0
Naphthalene, 1,2,...	8.88	29.3	ng	939048	3	9.39	640416	20.0
Naphthalene, 1-et...	8.92	19.1	ng	612307	3	9.39	640416	20.0
Naphthalene, 2,7-...	8.99	42.2	ng	1351200	3	9.39	640416	20.0
Naphthalene, 2,3-...	9.07	48.2	ng	1544790	3	9.39	640416	20.0
Naphthalene, 2-(1...	9.51	21.0	ng	672382	3	9.39	640416	20.0
Naphthalene, 1,4,...	9.61	33.4	ng	1069920	3	9.39	640416	20.0
Naphthalene, 2,3,...	9.64	22.0	ng	704143	3	9.39	640416	20.0
Azulene, 4,6,8-tr...	9.72	18.6	ng	596879	3	9.39	640416	20.0
Naphthalene, 1,6,...	9.80	40.1	ng	1282910	3	9.39	640416	20.0
Undecane, 3,5-dim...	10.08	44.9	ng	1437580	3	9.39	640416	20.0
Pentadecane, 2,6,...	10.35	81.1	ng	2499990	4	10.87	616646	20.0
Heptacosane	10.81	46.6	ng	1436630	4	10.87	616646	20.0