LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

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-BF122116.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	4.761	231	234	236	rVB	108010	154226	1.49%	0.076%
2	4.853	236	242	245	rBV3	117568	244744	2.36%	0.121%
3	4.944	245	250	256	rBV	2256399	4321183	41.63%	2.129%
4	5.127	263	266	267	rBV	148537	174481	1.68%	0.086%
5	5.150	267	268	276	rVB2	47758	113088	1.09%	0.056%
6	5.413	288	291	294	rBV	7641379	8405691	80.98%	4.141%
7	5.493	296	298	301	rBV2	270963	357233	3.44%	0.176%
8	5.539	301	302	304	rVB	306153	297187	2.86%	0.146%
9	5.584	304	306	310	rVB2	239477	398671	3.84%	0.196%
10	5.653	310	312	315	rBV	130600	161939	1.56%	0.080%
11	5.756	317	321	323	rVB2	554162	877524	8.45%	0.432%
12	5.802	323	325	327	rBV	270174	395019	3.81%	0.195%
13	5.893	330	333	335	rVB	759815	822162	7.92%	0.405%
14	5.950	335	338	340	rBV2	353785	740010	7.13%	0.365%
15	5.996	340	342	345	rVB2	1079839	1736792	16.73%	0.856%
16	6.042	345	346	348	rBV2	315868	512629	4.94%	0.253%
17	6.076	348	349	355	rVB3	431807	1255844	12.10%	0.619%
18	6.179	355	358	360	rBV2	540832	845409	8.14%	0.417%
19	6.270	364	366	371	rBV2	1435850	2370427	22.84%	1.168%
20	6.362	371	374	376	rBV3	405978	924235	8.90%	0.455%
21	6.419	376	379	380	rVB2	788807	1221208	11.77%	0.602%
22	6.464	380	383	385	rBV	6864603	10379814	100.00%	5.114%
23	6.544	387	390	393	rVB	6388039	9283332	89.44%	4.574%
24	6.602	393	395	397	rVB3	627168	1046823	10.09%	0.516%
25	6.716	397	405	406	rBV5	911332	3114881	30.01%	1.535%
26	6.750	406	408	412	rVB	2222503	3167992	30.52%	1.561%
27	6.819	412	414	415	rBV	914507	1573854	15.16%	0.775%
28	6.876	418	419	420	rVB	583967	400601	3.86%	0.197%
29	6.910	420	422	426	rVB2	6391454	9762249	94.05%	4.810%
30	7.024	426	432	435	rBV5	1577794	4013696	38.67%	1.977%
31	7.070	435	436	437	rVB	196888	134967	1.30%	0.066%
32	7.104	437	439	441	rBV3	766011	1365118	13.15%	0.673%
33	7.150	441	443	444	rBV	1857555	2193198	21.13%	1.081%
34	7.173	444	445	449	rVB3	767317	1245572	12.00%	0.614%

LSC Area Percent Report

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Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.242	449	451	452	rBV2	324338	551792	5.32%	0.272%
36	7.299	452	456	457	rBV2	2976535	6101436	58.78%	3.006%
37	7.322	457	458	463	rVB	3848923	5231025	50.40%	2.577%
38	7.402	463	465	467	rVB2	2281163	3707284	35.72%	1.826%
39	7.447	467	469	473	rBV4	955197	2872858	27.68%	1.415%
40	7.527	473	476	478	rBV3	999456	2573308	24.79%	1.268%
41	7.562	478	479	481	rVB	2887023	2482889	23.92%	1.223%
42	7.596	481	482	483	rBV	487234	627186	6.04%	0.309%
43	7.676	485	489	492	rVB5	2411669	5493691	52.93%	2.707%
44	7.790	497	499	503	rVB5	1577435	3446131	33.20%	1.698%
45	7.870	503	506	508	rBV3	1537349	2279515	21.96%	1.123%
46	7.927	508	511	514	rBV3	1229210	3551051	34.21%	1.749%
47	7.985	514	516	518	rBV3	1017702	1977907	19.06%	0.974%
48	8.042	518	521	523	rBV3	2715354	4057000	39.09%	1.999%
49	8.087	523	525	526	rBV2	901258	1099449	10.59%	0.542%
50	8.213	533	536	537	rBV2	1021019	1833545	17.66%	0.903%
51	8.247	537	539	540	rVV2	1772359	2345402	22.60%	1.156%
52	8.327	543	546	548	rVB3	1615562	3107845	29.94%	1.531%
53	8.396	548	552	553	rBV3	914040	2520259	24.28%	1.242%
54	8.430	553	555	556	rVV	860766	1112729	10.72%	0.548%
55	8.476	556	559	563	rVB2	4542638	7935124	76.45%	3.909%
56	8.545	563	565	567	rBV2	1111280	1486176	14.32%	0.732%
57	8.590	567	569	572	rBV4	1082282	2171680	20.92%	1.070%
58	8.785	585	586	588	rBV2	852032	1145137	11.03%	0.564%
59	8.956	599	601	603	rVB3	1025979	1340972	12.92%	0.661%
60	9.036	606	608	609	rVV2	1024950	1138350	10.97%	0.561%
61	9.070	609	611	613	rVV	2944607	3915362	37.72%	1.929%
62	9.128	613	616	617	rVB	5066822	7193174	69.30%	3.544%
63	9.162	617	619	620	rBV2	144776	169124	1.63%	0.083%
64	9.196	620	622	625	rBV3	2335213	3611533	34.79%	1.779%
65	9.402	638	640	641	rVB	801622	830177	8.00%	0.409%
66	9.505	648	649	652	rBV3	2577781	4396079	42.35%	2.166%
67	9.665	660	663	664	rBV3	1860680	2545966	24.53%	1.254%
68	9.710	665	667	668	rVB	3721139	3588162	34.57%	1.768%
69	9.745	668	670	671	rBV2	777257	995668	9.59%	0.491%
70	9.779	671	673	676	rVV3	1764182	4069155	39.20%	2.005%
71	9.836	676	678	680	rVV2	854807	857262	8.26%	0.422%

LSC Area Percent Report

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Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.962	687	689	690	rBV	1084364	1599300	15.41%	0.788%
73	10.122	700	703	705	rBV3	1151901	2351717	22.66%	1.159%
74	10.168	705	707	708	rVV	905721	957381	9.22%	0.472%
75	10.202	708	710	713	rVB2	2278626	2691802	25.93%	1.326%
76	10.339	720	722	725	rBV3	772077	1225117	11.80%	0.604%
77	10.591	742	744	749	rVV3	2157589	2915832	28.09%	1.437%
78	10.716	753	755	758	rVB3	1088169	1751902	16.88%	0.863%
79	11.276	802	804	808	rVB	1371499	1430127	13.78%	0.705%
80	12.865	941	943	945	rVB	4462128	4512493	43.47%	2.223%
81	13.757	1019	1021	1024	rVB3	243224	356906	3.44%	0.176%
82	13.905	1030	1034	1037	rVB2	1623229	3037972	29.27%	1.497%
83	14.660	1098	1100	1105	rBV2	243775	397258	3.83%	0.196%
84	15.311	1154	1157	1159	rBV	928540	1375798	13.25%	0.678%

Sum of corrected areas: 202976807

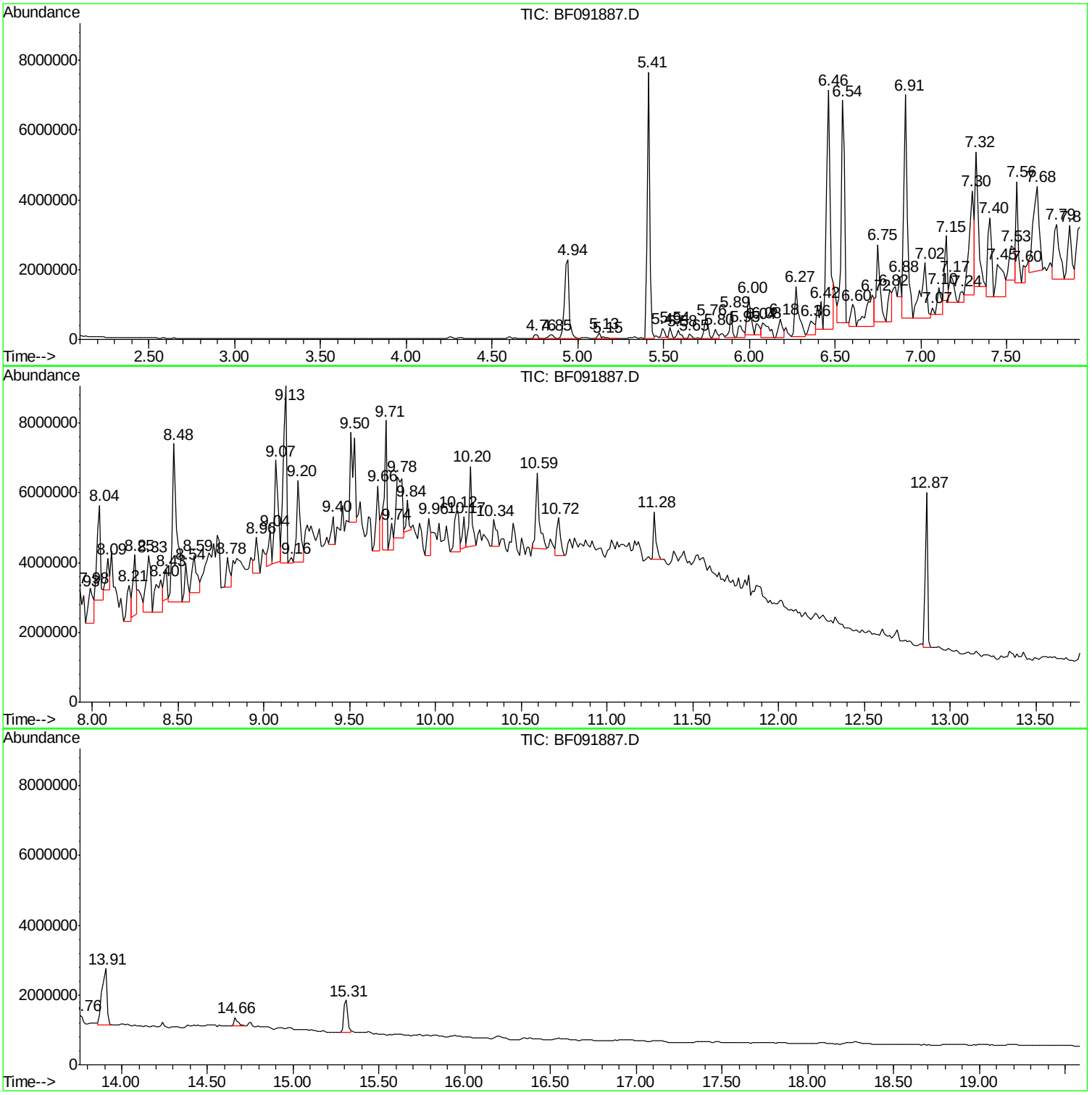
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

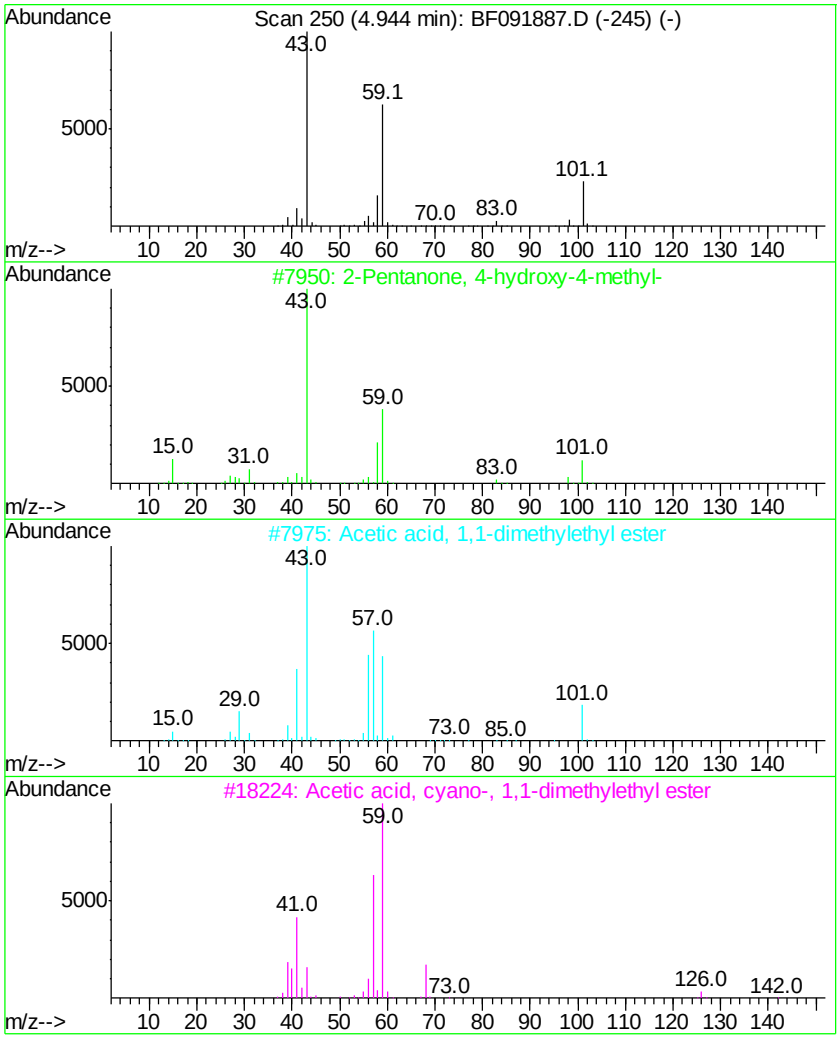
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

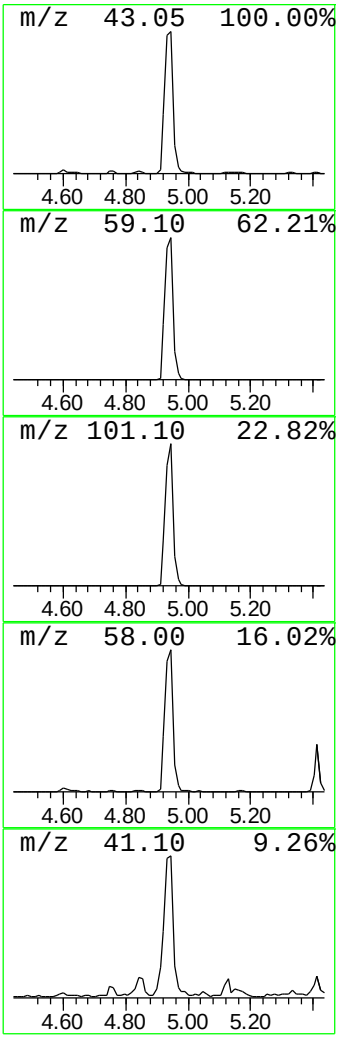
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	27.28 ng	4321180	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

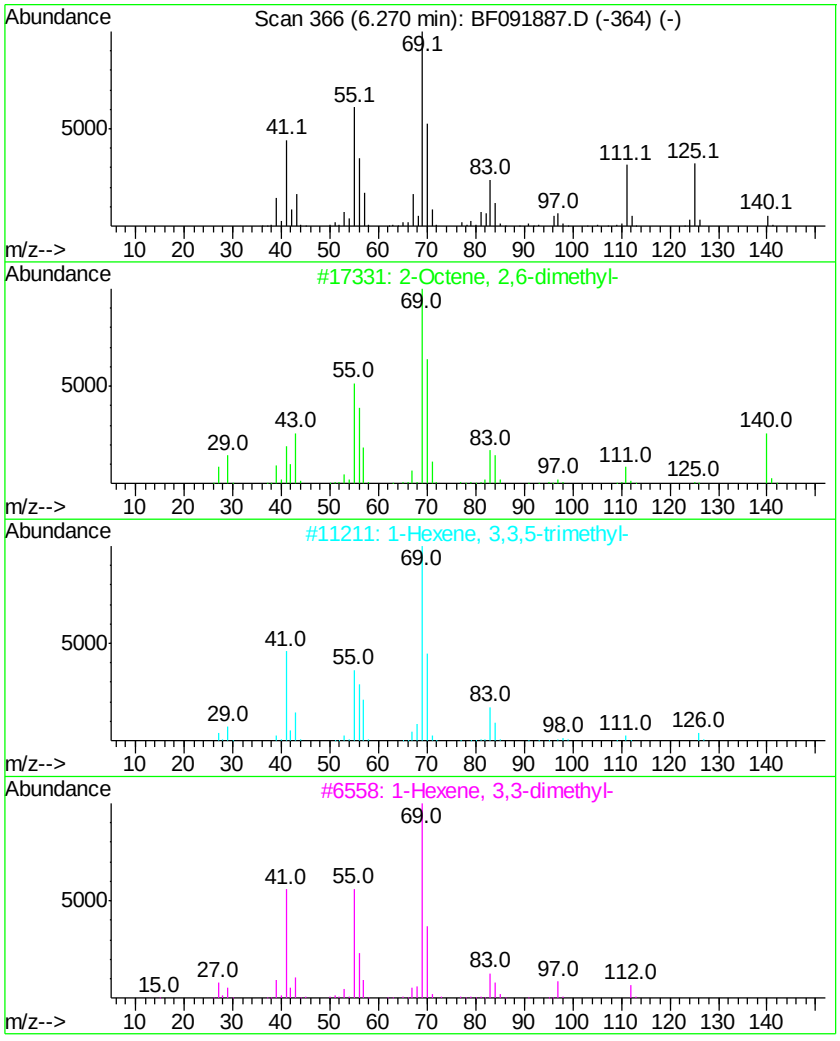
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

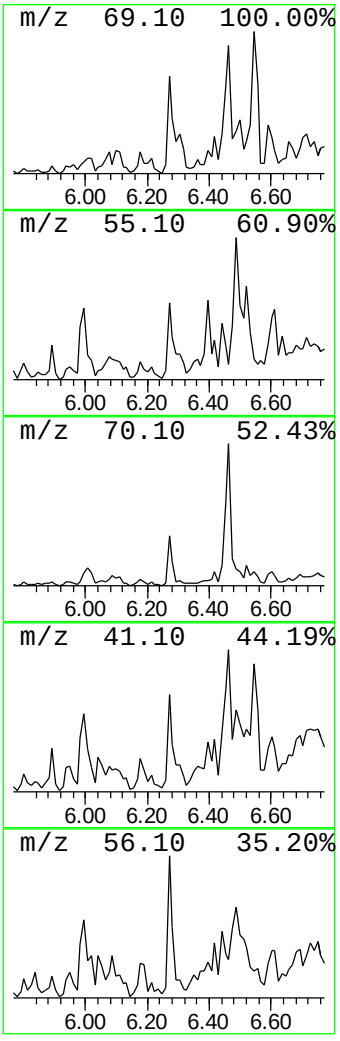
****

Peak Number 2 2-Octene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	14.96 ng	2370430	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	76
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	58
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	53
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	53
5	4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

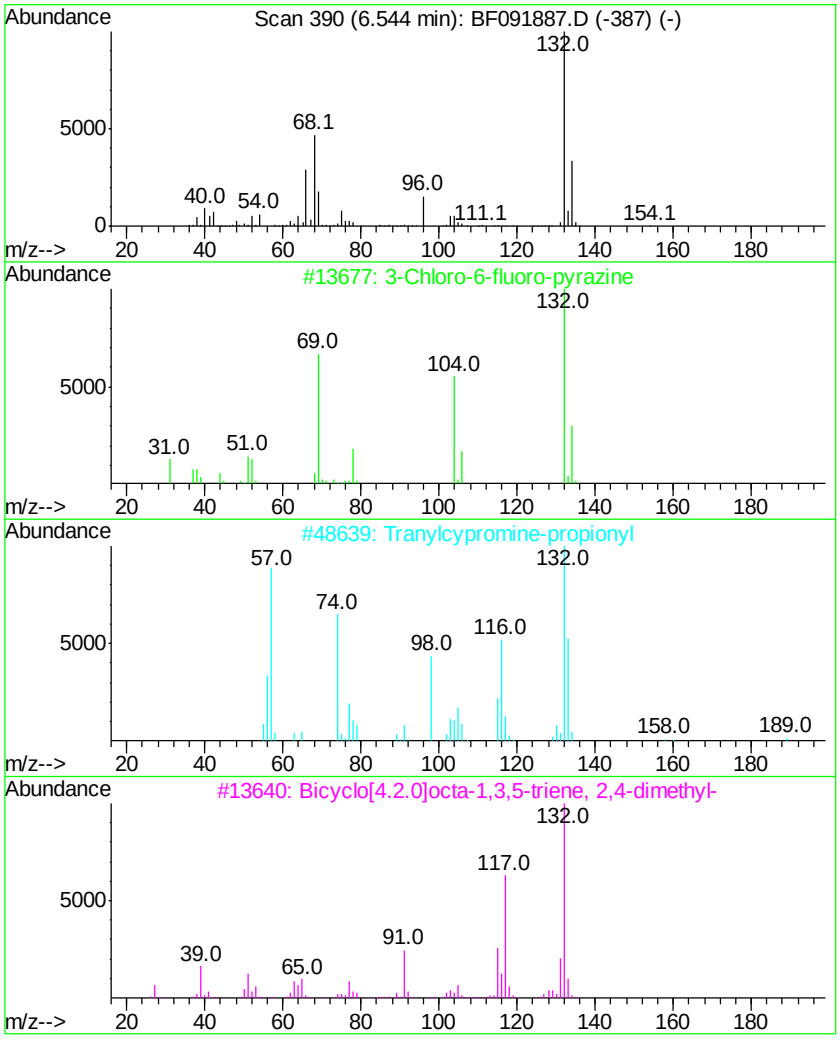
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

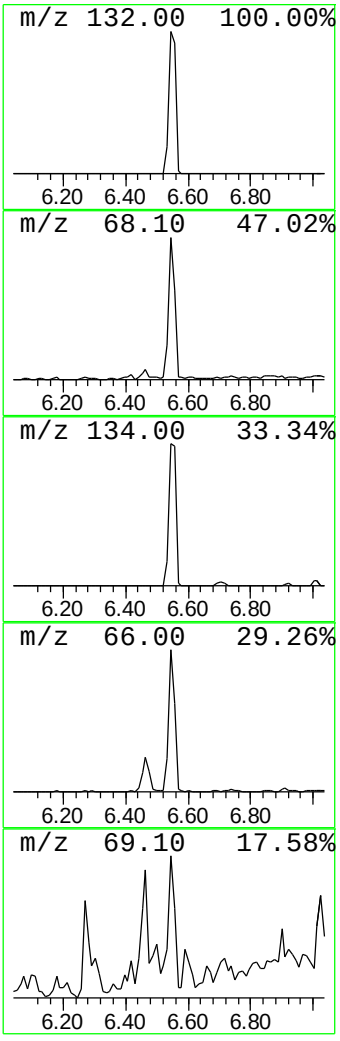
****

Peak Number 3 unknown6.54 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	58.61 ng	9283330	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Data File : BF091887.D
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Operator : UM/SJ
Sample : H6182-05
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ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

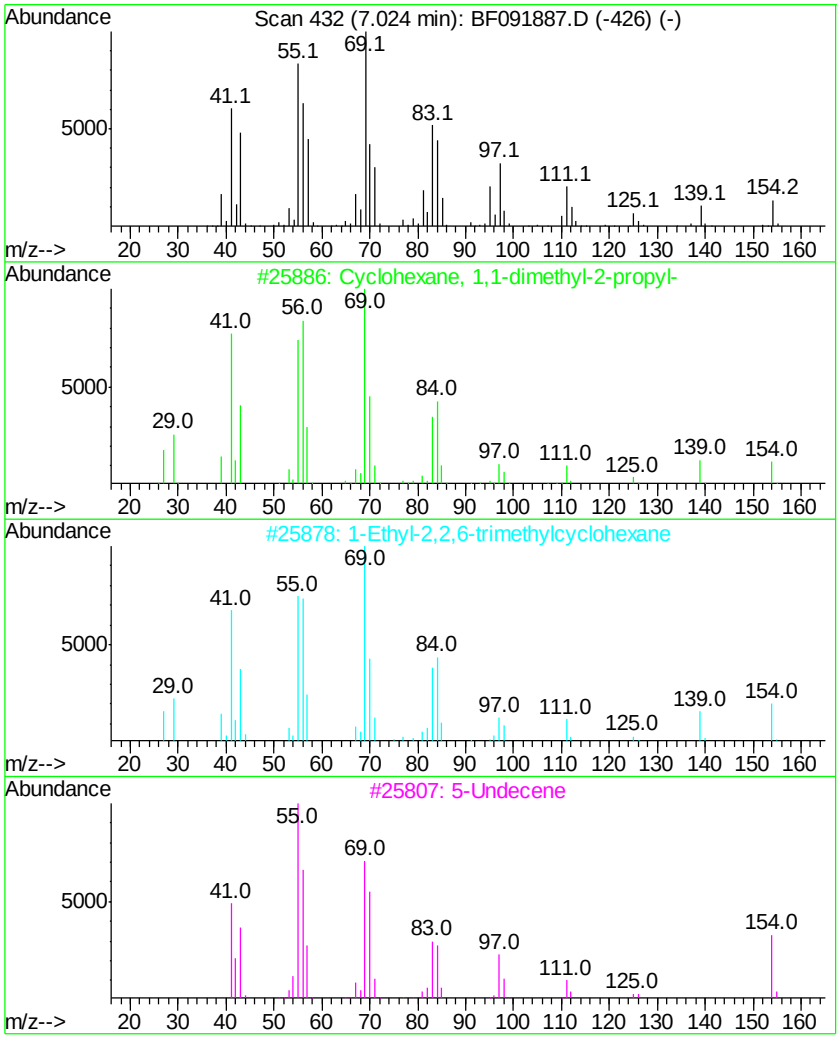
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

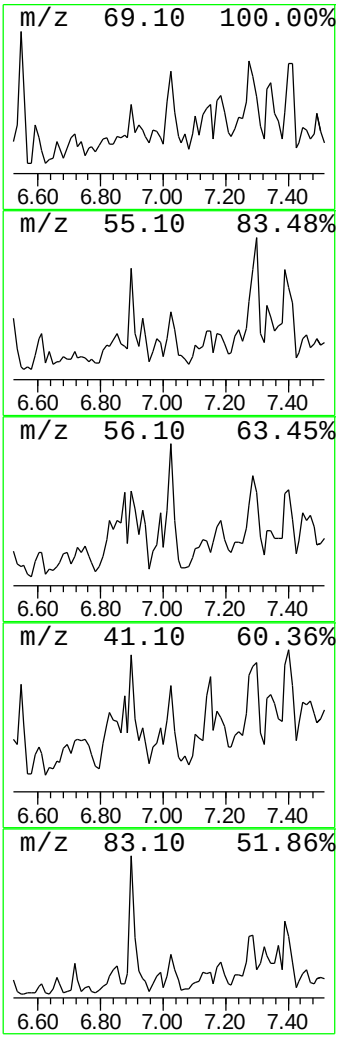
****

Peak Number 5 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	25.34 ng	4013700	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	93
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	81
3	5-Undecene	154	C11H22	004941-53-1	68
4	Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	52
5	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

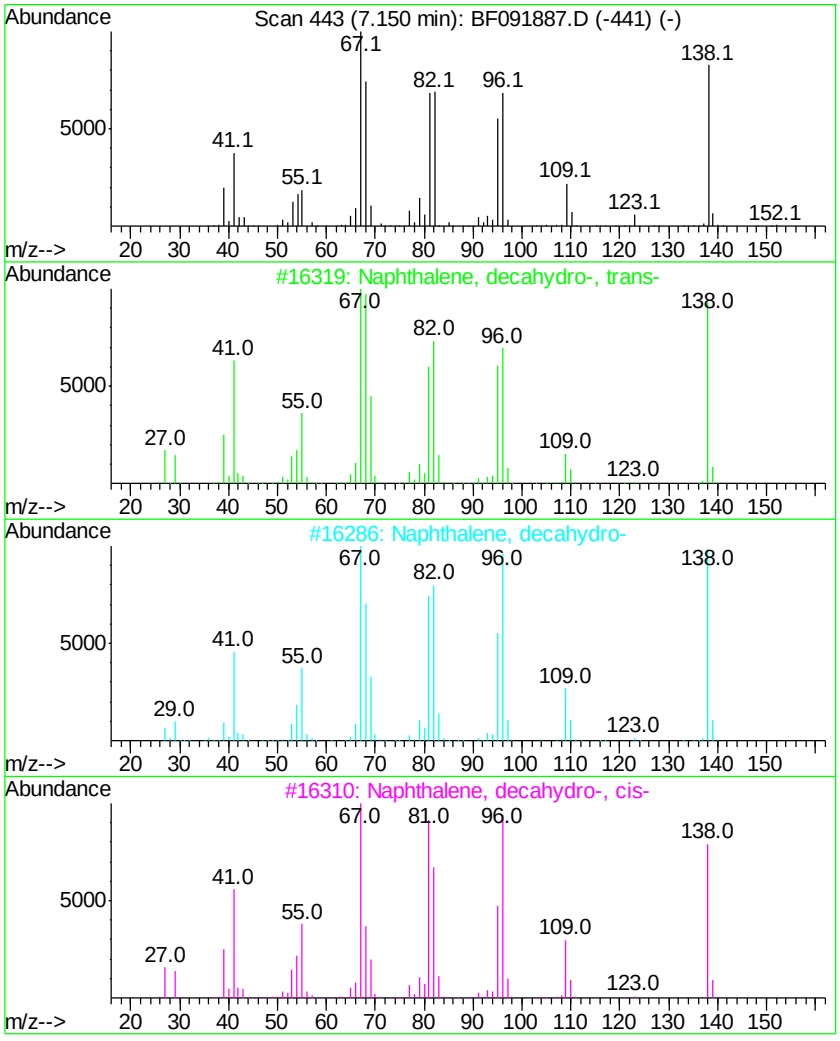
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

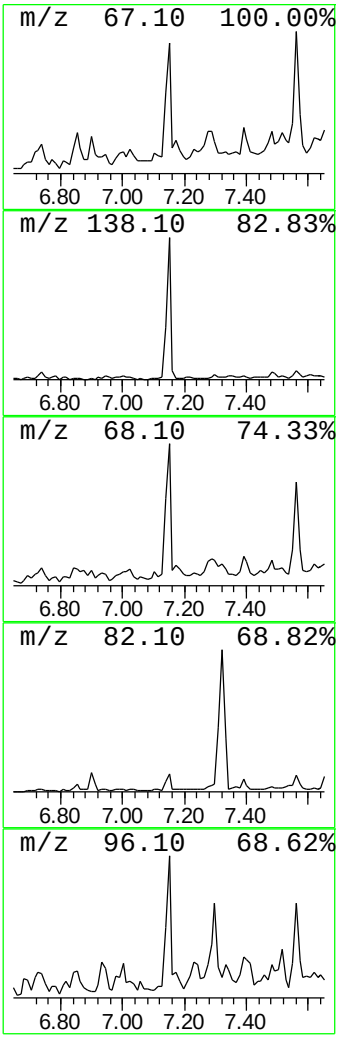
****

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	13.85 ng	2193200	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	89
4	Spiro[4.5]decane	138	C10H18	000176-63-6	68
5	Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

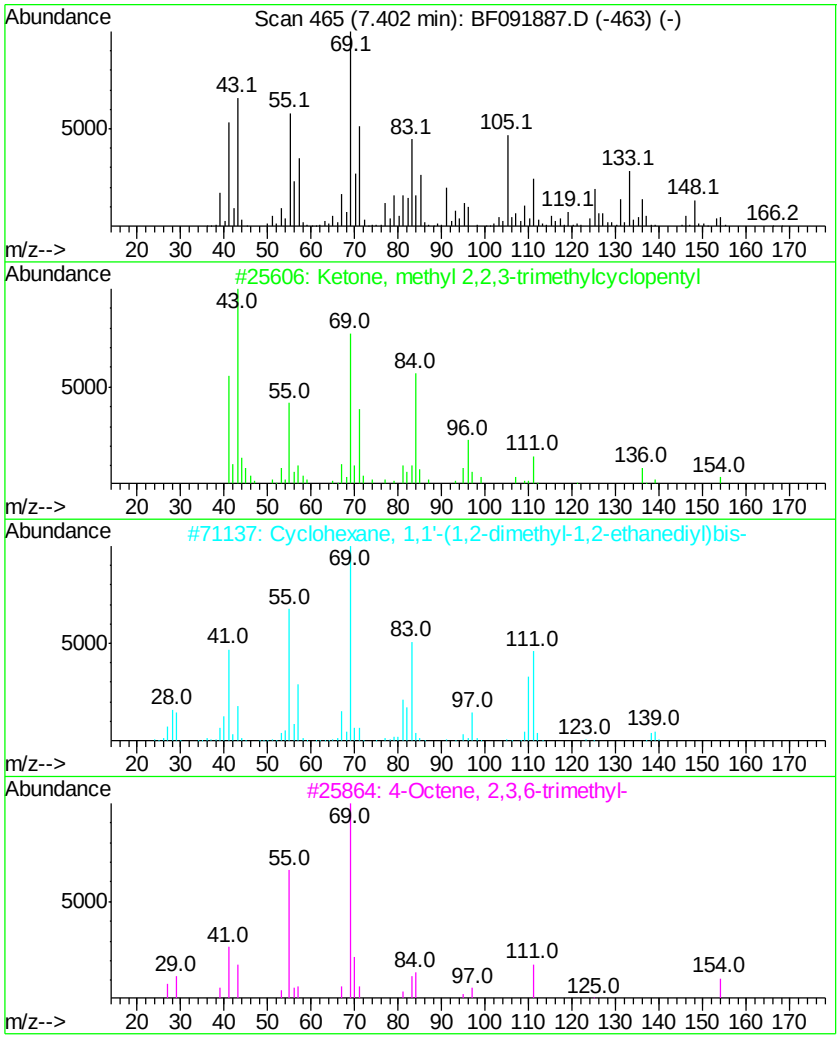
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

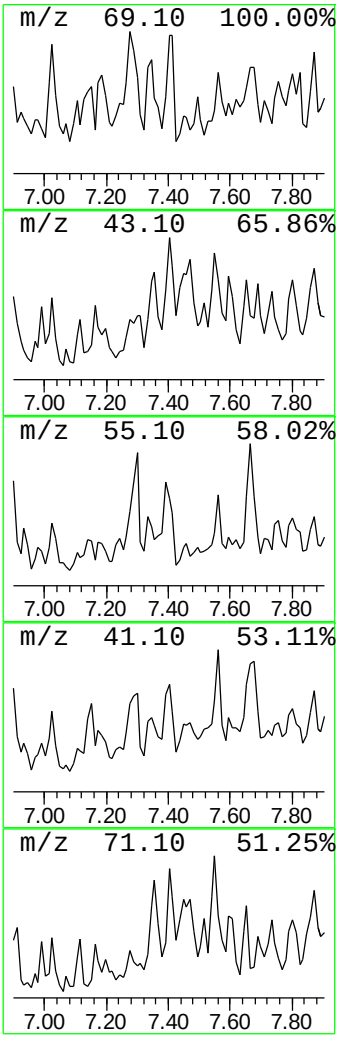
****

Peak Number 7 Ketone, methyl 2,2,3-trimet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	18.28 ng	3707280	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ketone, methyl 2,2,3-trimethylcy...	154	C10H18O	017983-22-1	52
2	Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	074663-71-1	38
3	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	38
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
5	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	35





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Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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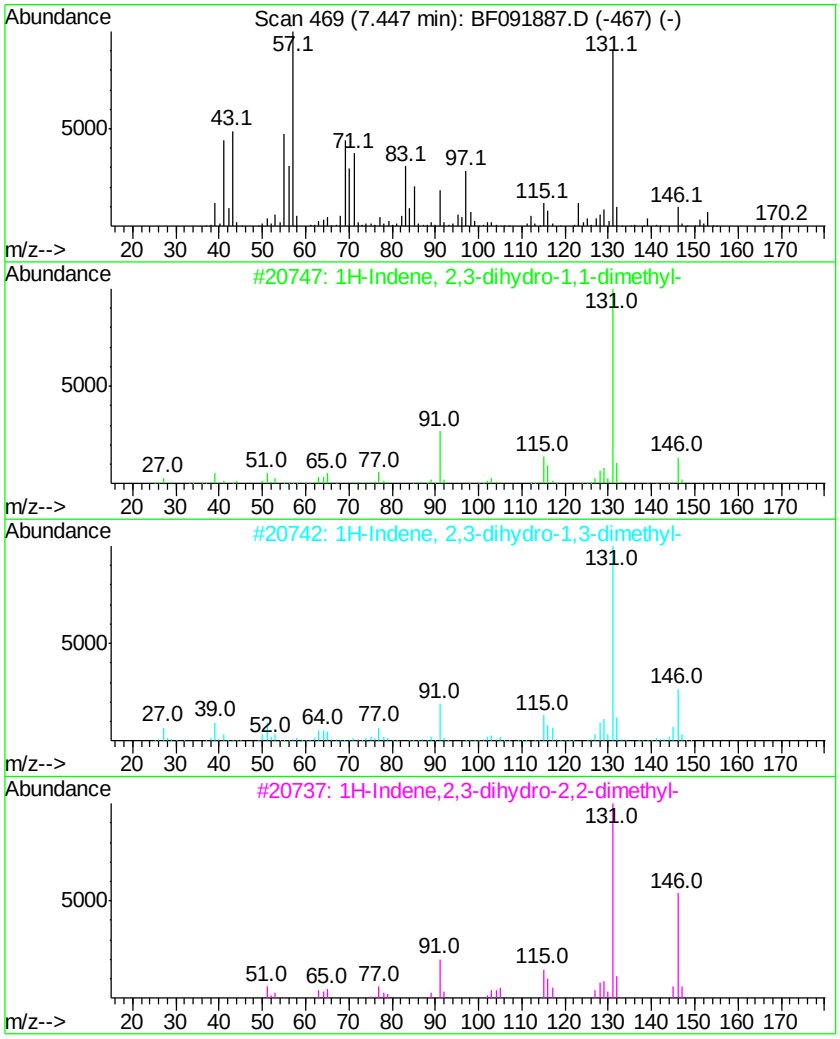
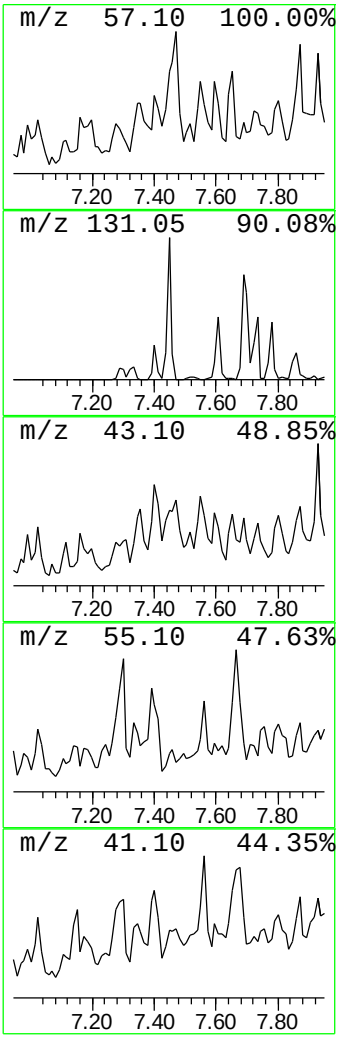
Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	14.16 ng	2872860	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	89
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46
3	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	41
4	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	27
5	Naphthalene, 1-ethyl-1,2,3,4-tet...	160	C12H16	013556-58-6	27





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Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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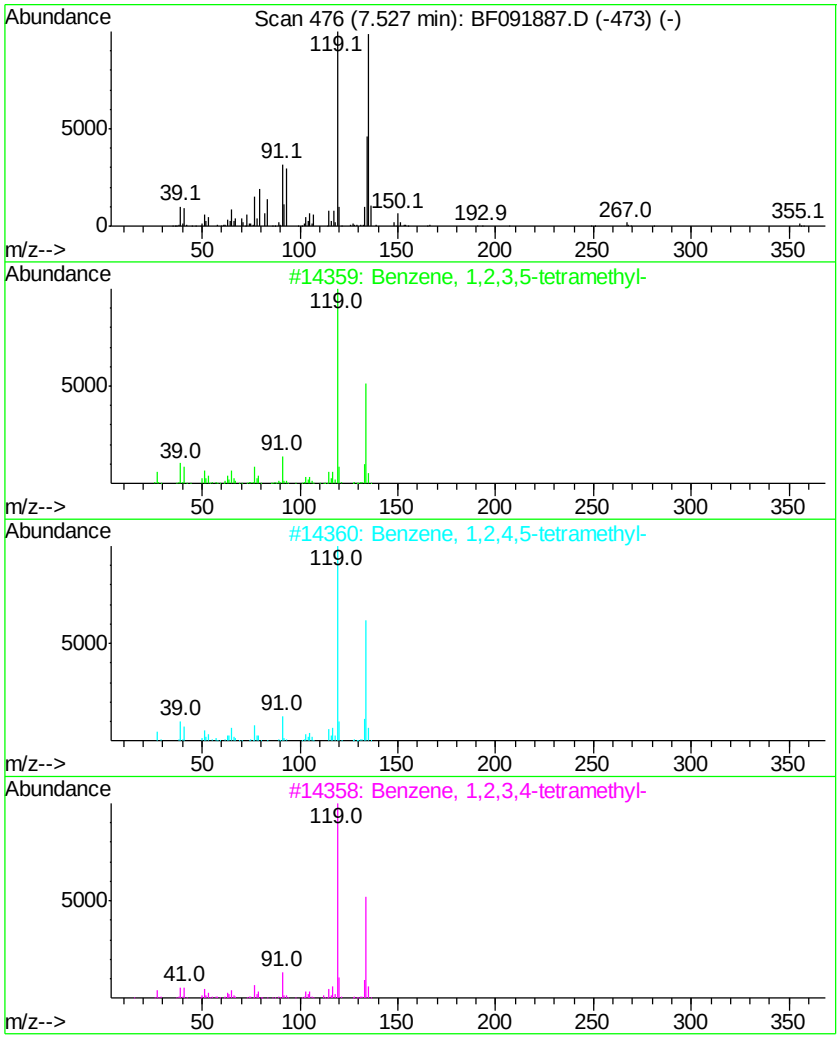
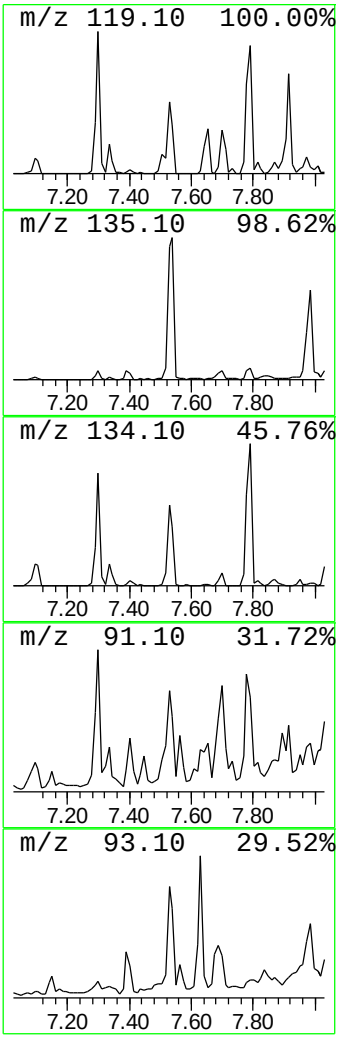
Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	12.69 ng	2573310	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	86
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50





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Sample : H6182-05
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ClientSampleId : SB-51(11.5-13.5)-121916

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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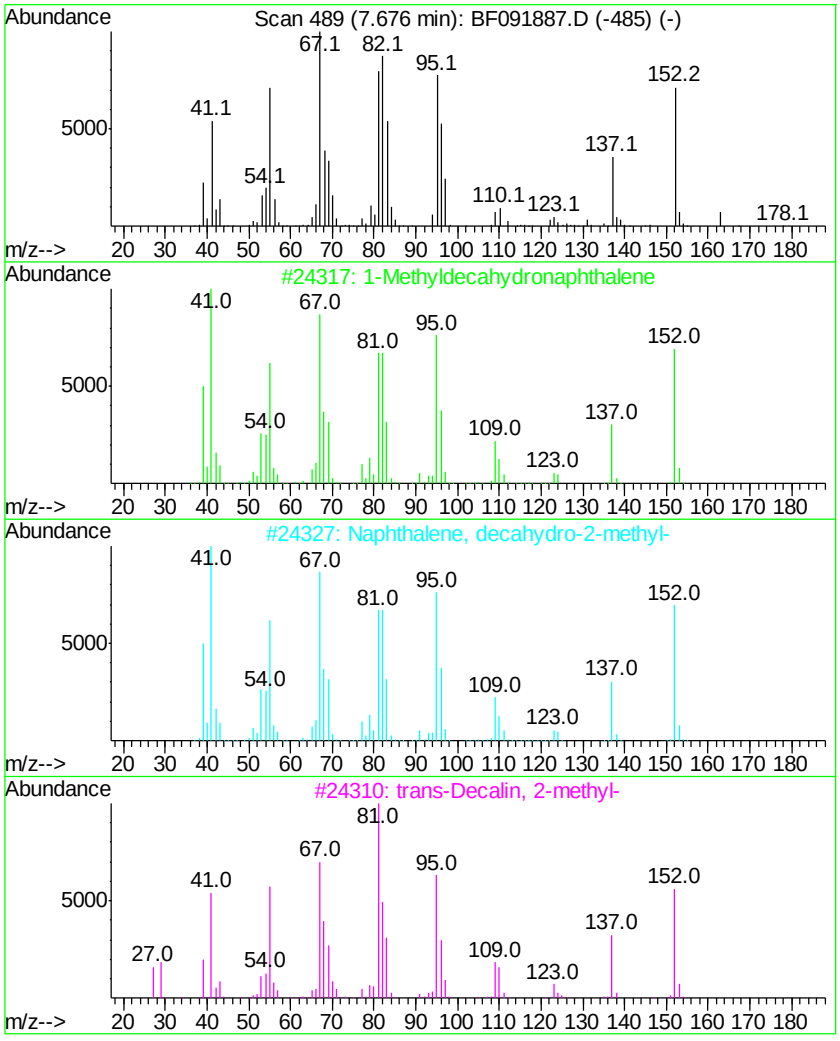
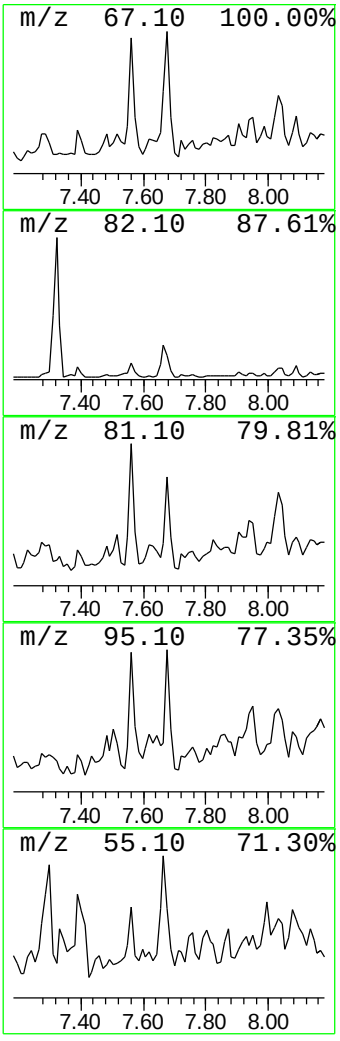
Peak Number 10 1-Methyldecahydronaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	27.08 ng	5493690	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	64
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	53
4	Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	53
5	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	50





Library Search Compound Report

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Operator : UM/SJ
Sample : H6182-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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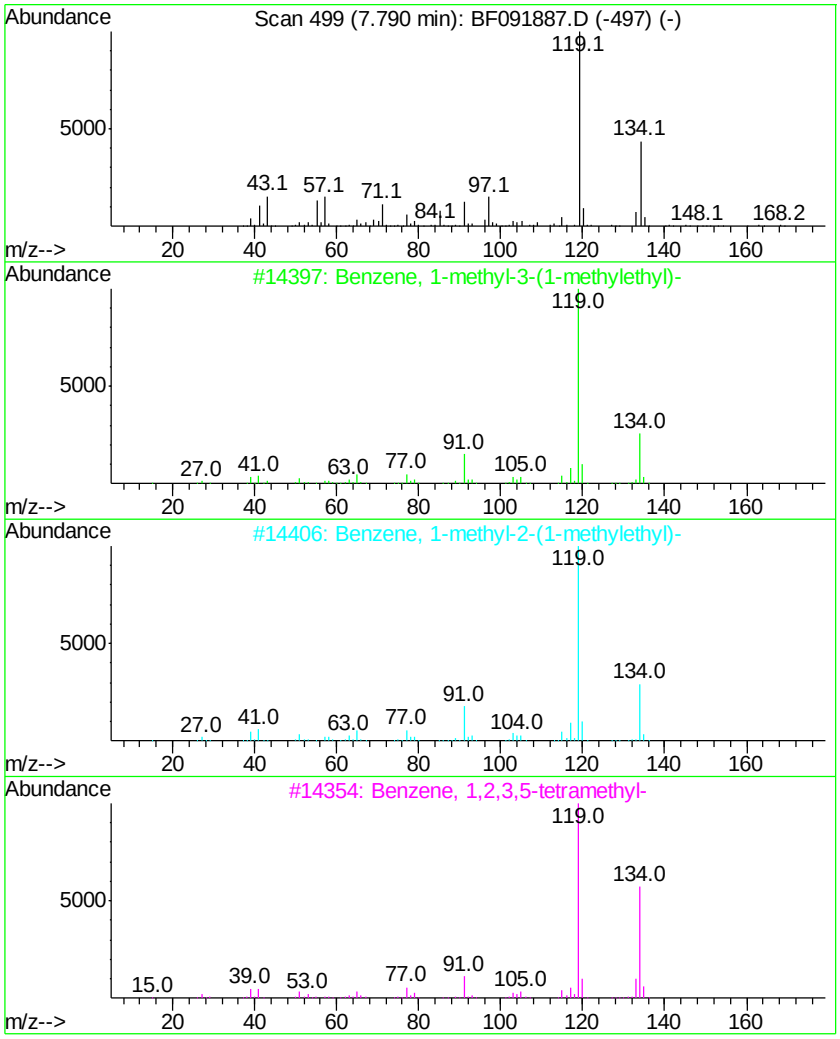
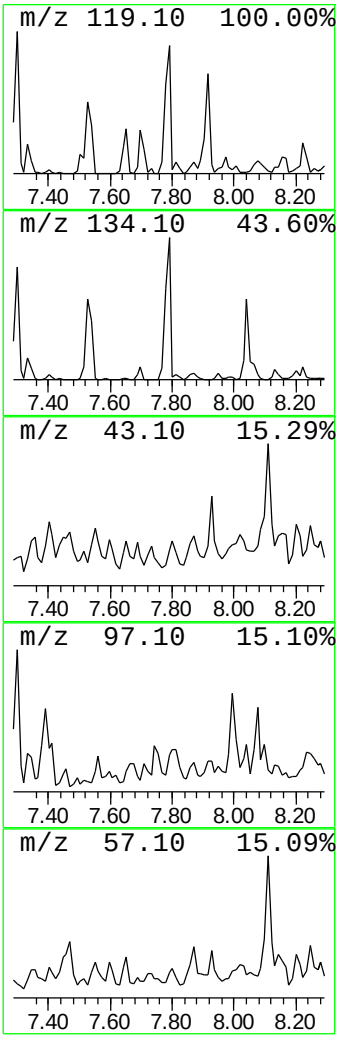
Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	16.99 ng	3446130	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	81
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





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Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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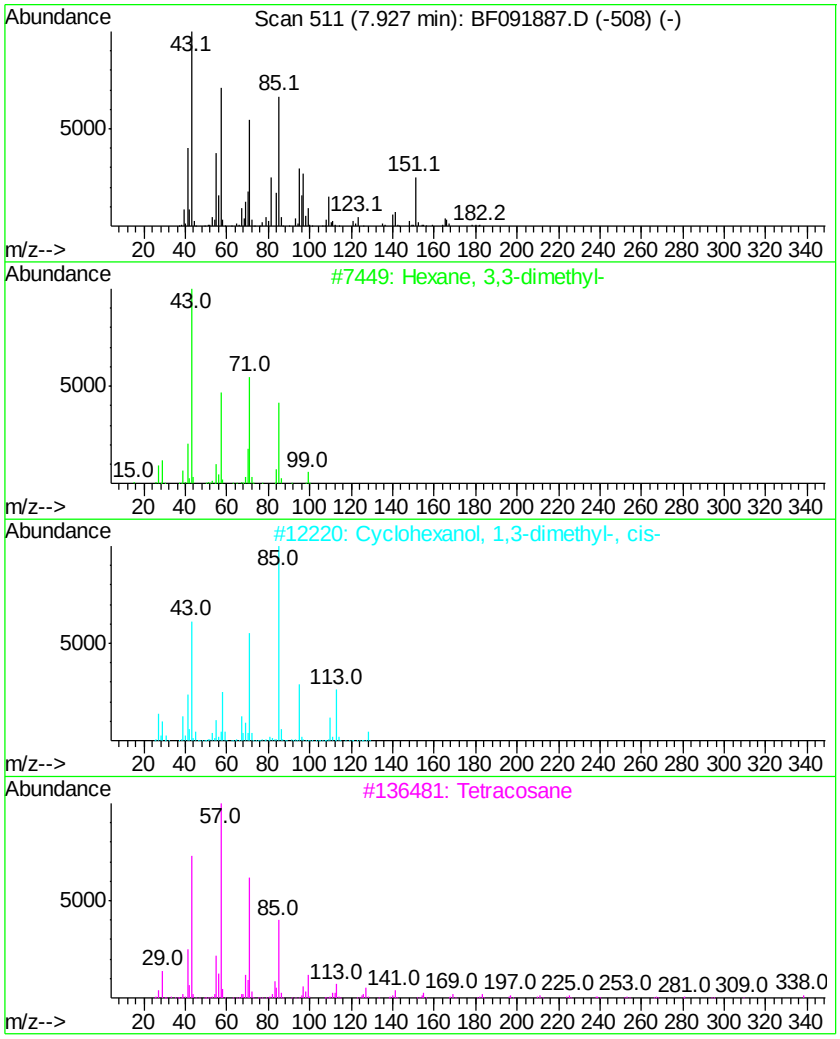
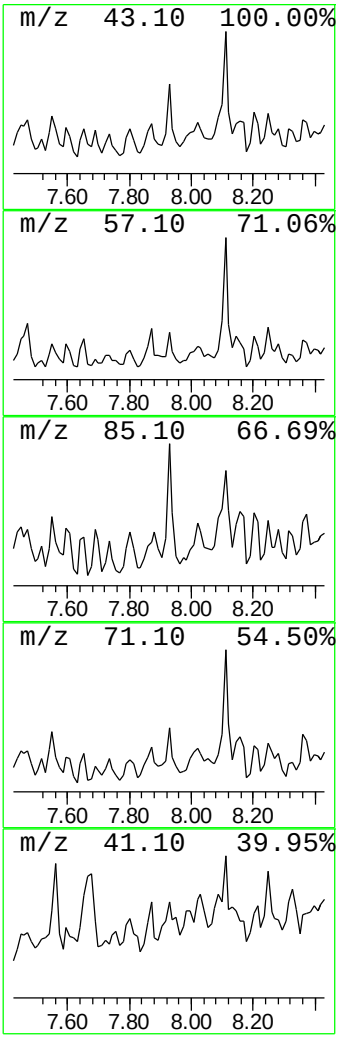
Peak Number 12 unknown7.93 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	17.51 ng	3551050	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38
2	Cyclohexanol, 1,3-dimethyl-, cis-	128	C8H16O	015466-94-1	35
3	Tetracosane	338	C24H50	000646-31-1	27
4	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	27
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	27





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Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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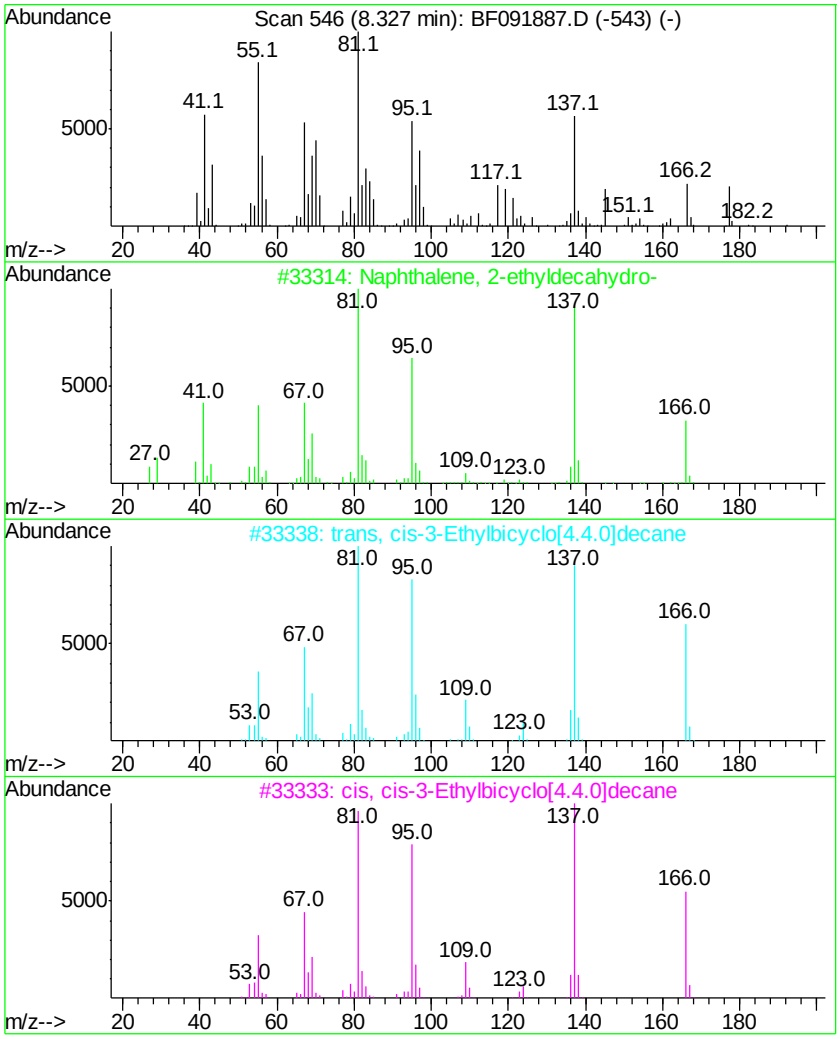
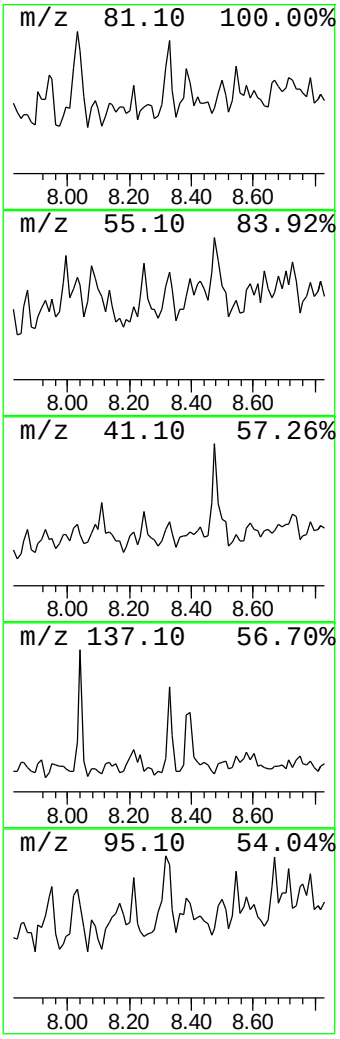
Peak Number 13 Naphthalene, 2-ethyldecahydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	15.32 ng	3107850	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	55
2	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	55
3	cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	55
4	trans,trans-3-Ethylbicyclo[4.4.0...	166	C12H22	058462-32-1	55
5	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	49





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Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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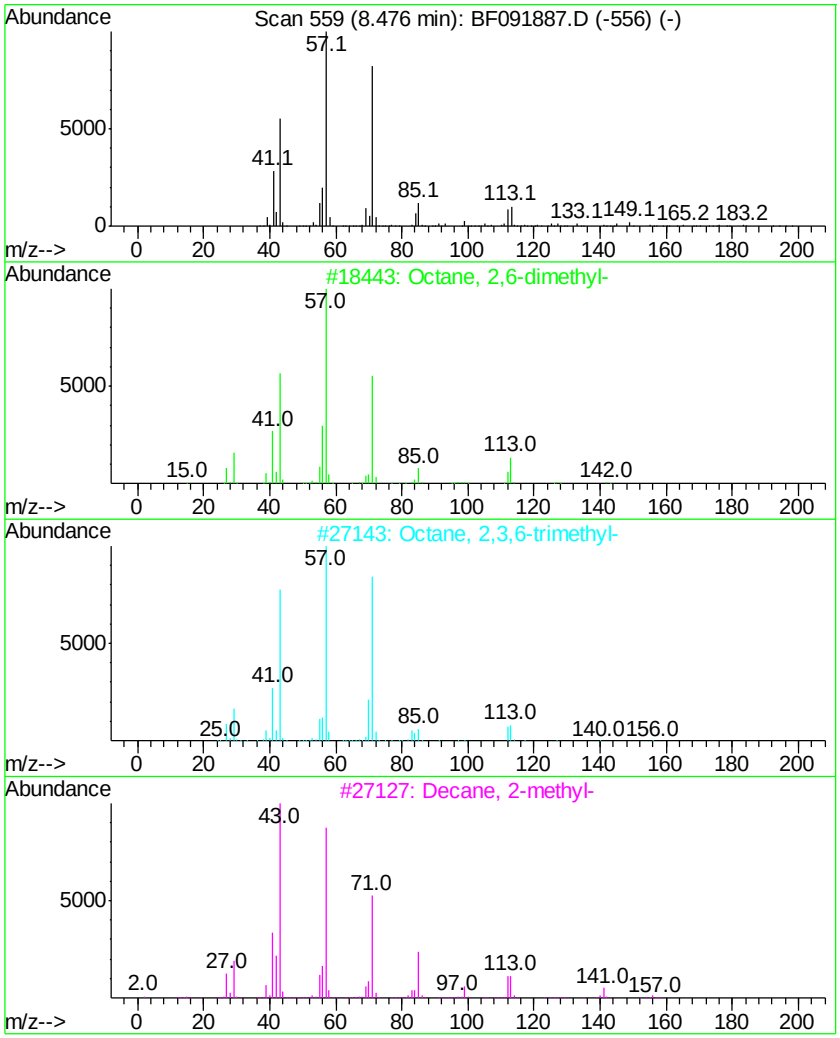
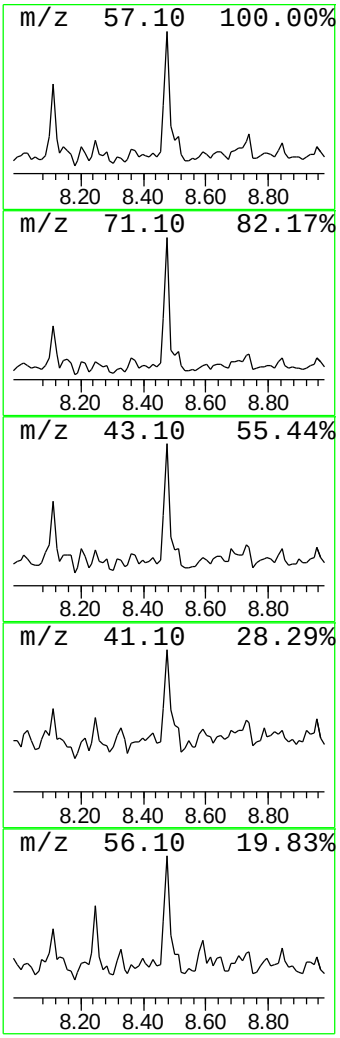
Peak Number 14 Octane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	39.12 ng	7935120	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5	Threitol, 2-O-octyl-	234	C12H26O4	163776-14-5	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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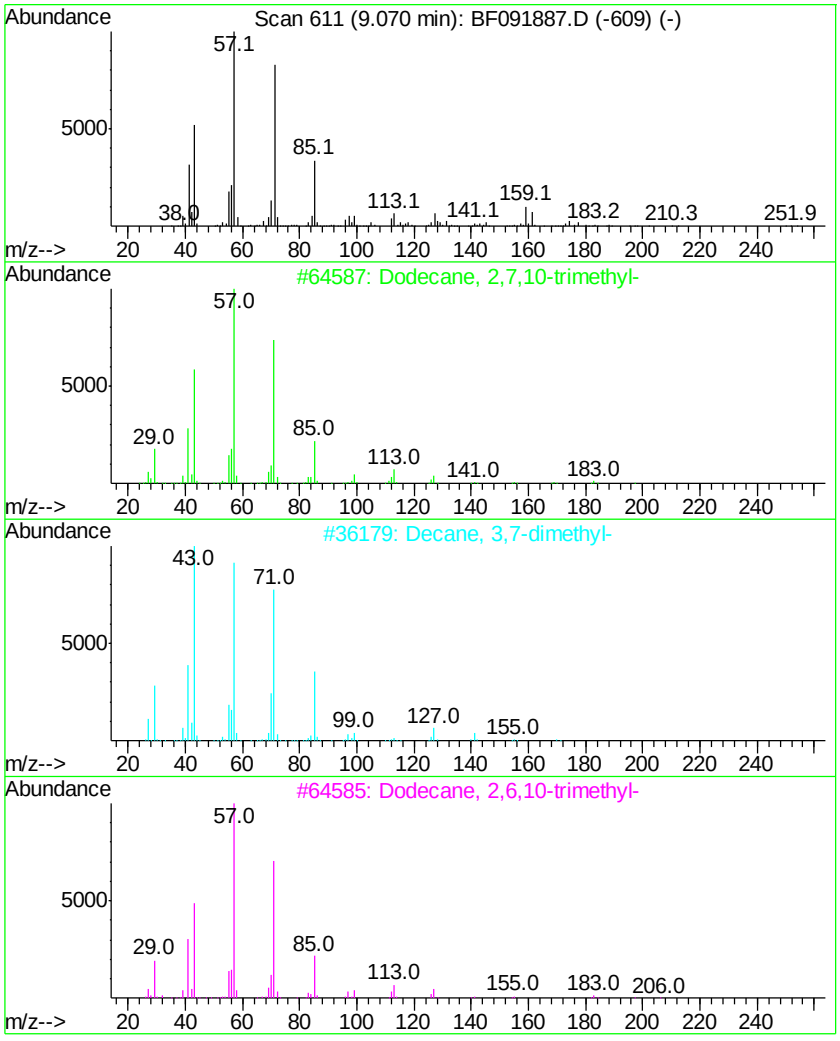
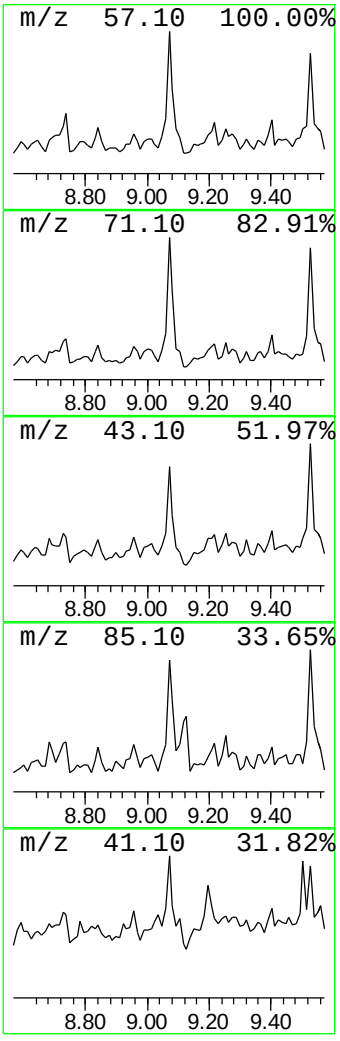
Peak Number 15 Dodecane, 2,7,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	19.24 ng	3915360	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	72
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4	Decane, 2-methyl-	156	C11H24	006975-98-0	64
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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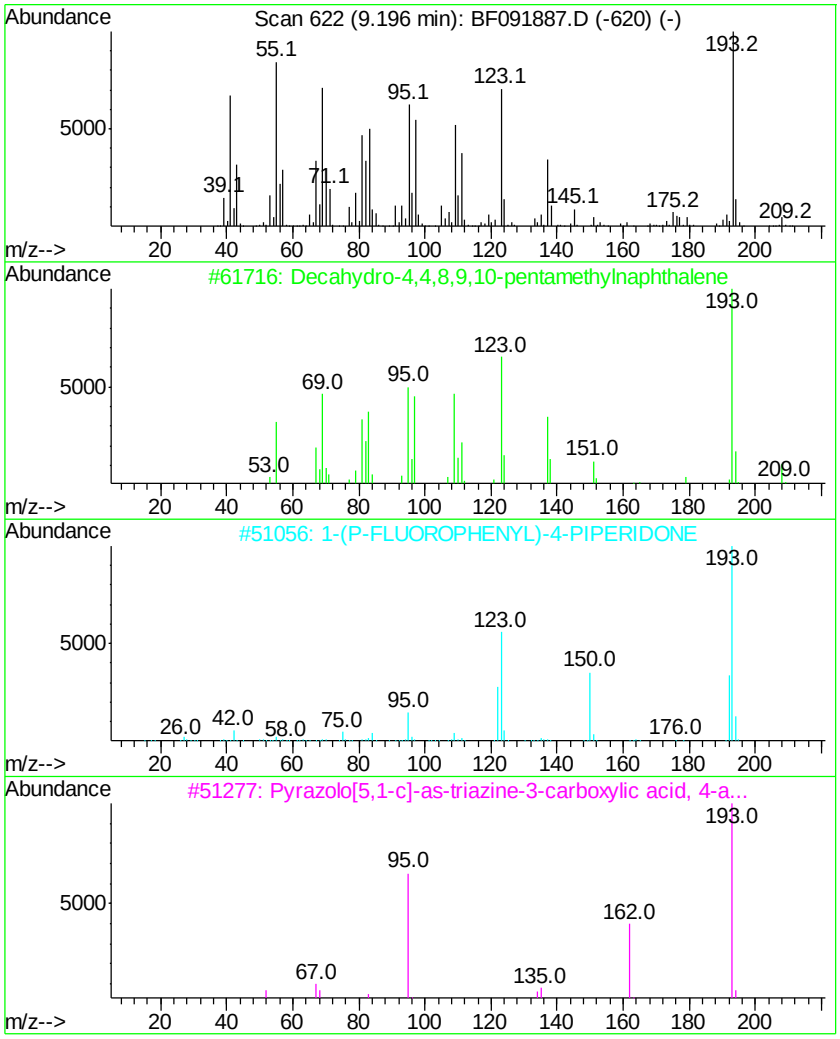
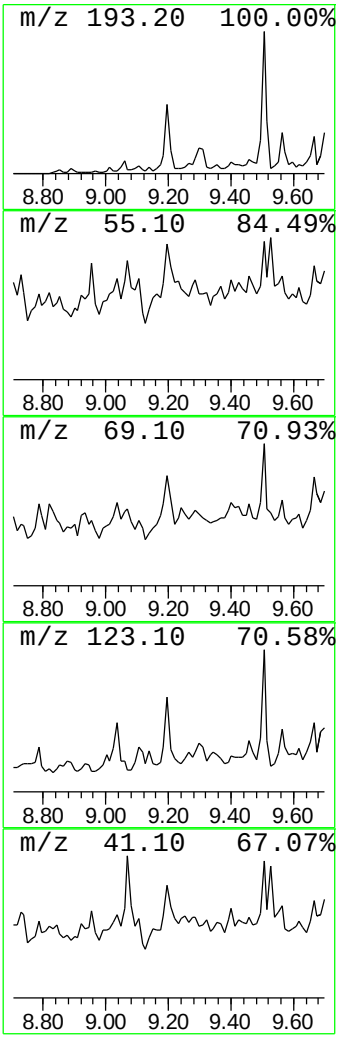
Peak Number 16 Decahydro-4,4,8,9,10-pentam... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	17.75 ng	3611530	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	38
3	Pyrazolo[5,1-c]-as-triazine-3-ca...	193	C6H7N7O	016111-78-7	27
4	Cyclohexane, 1-(cyclohexylmethyl...	208	C15H28	054934-95-1	25
5	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-98-2	18





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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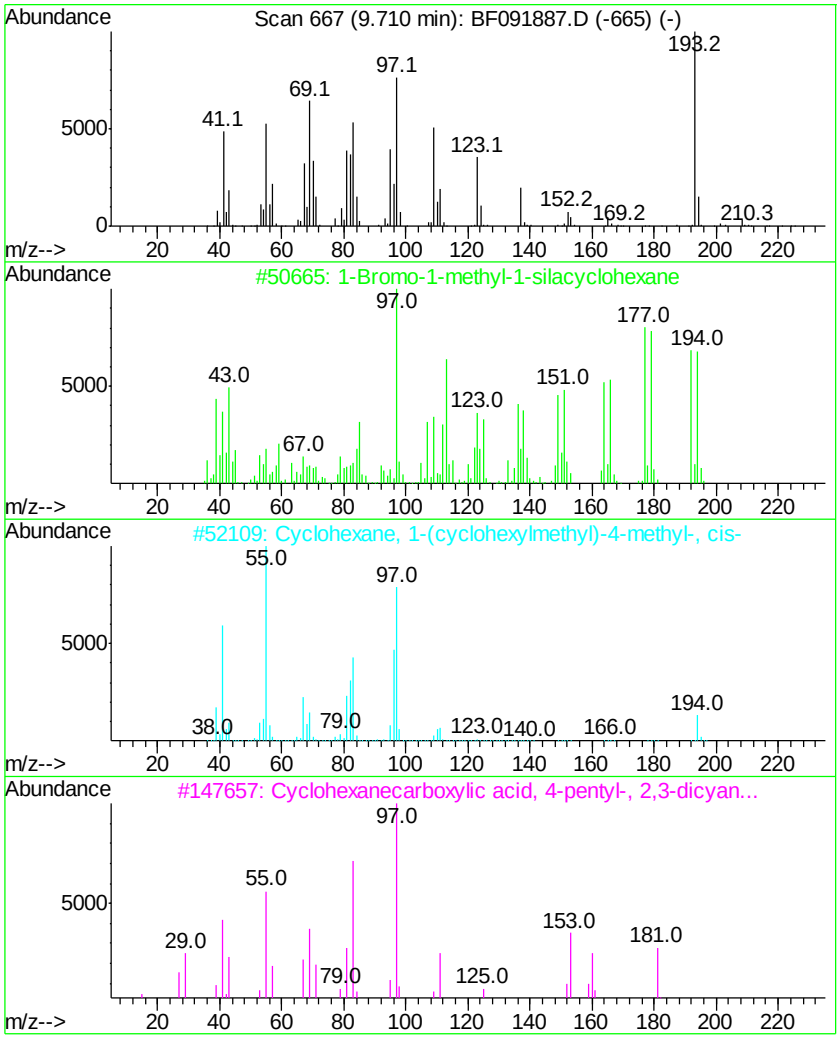
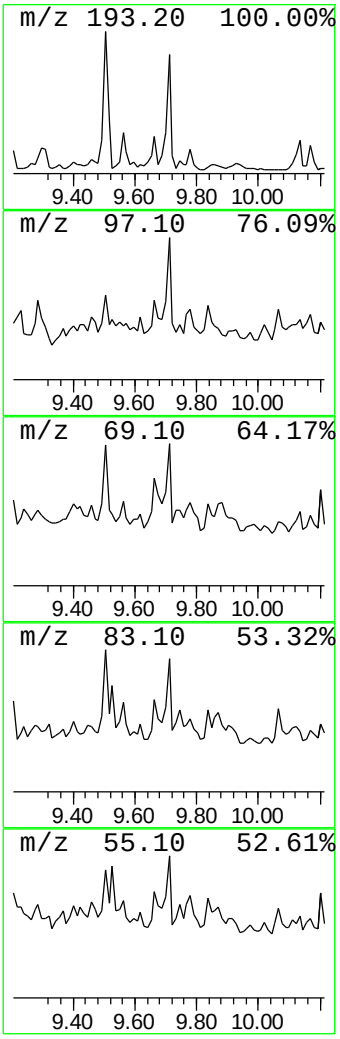
Peak Number 18 1-Bromo-1-methyl-1-silacycl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	17.64 ng	3588160	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromo-1-methyl-1-silacyclohexane	192	C6H13BrSi	085125-32-2	60
2	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-97-1	30
3	Cyclohexanecarboxylic acid, 4-pe...	368	C22H28N2O3	133856-87-8	27
4	2-Phenylindolizine	193	C14H11N	025379-20-8	27
5	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054824-04-3	25





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TIC Library : C:\DATABASE\NIST02.L
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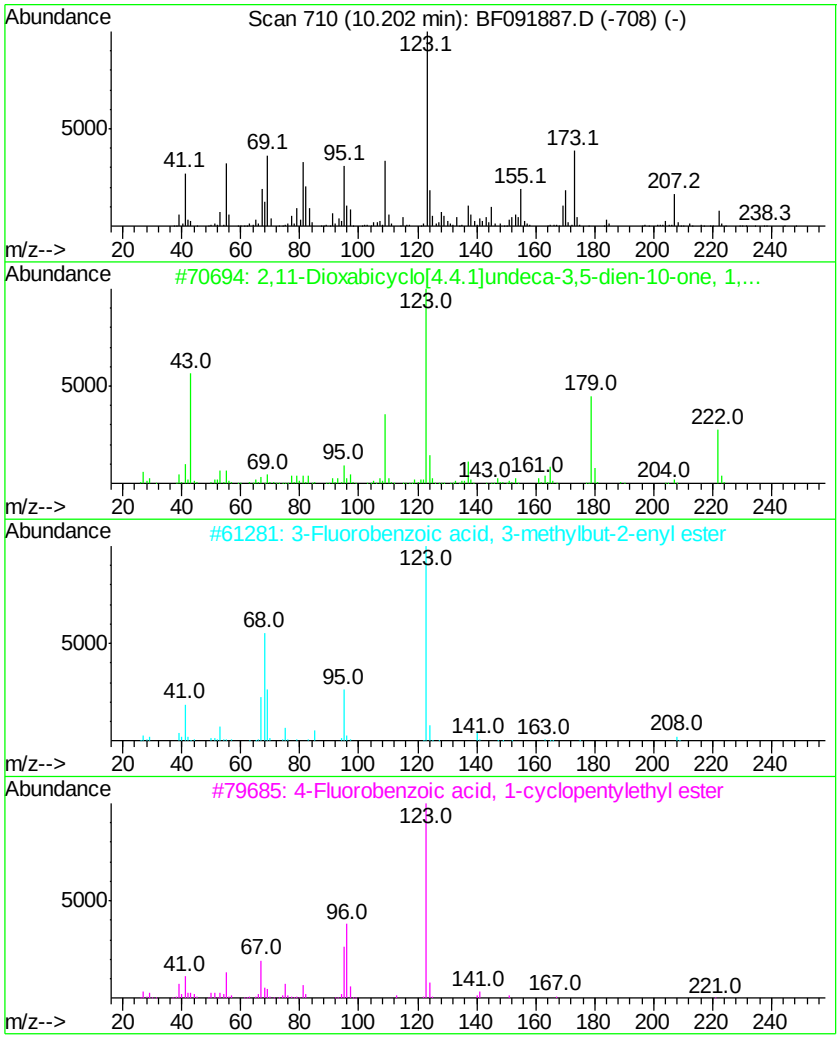
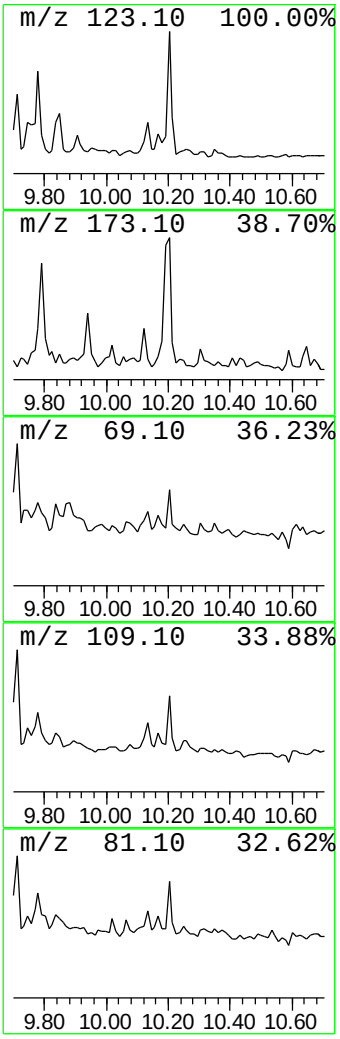
Peak Number 19 unknown10.20 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	13.23 ng	2691800	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	38
2	3-Fluorobenzoic acid, 3-methylbu...	208	C12H13FO2	154559-38-3	38
3	4-Fluorobenzoic acid, 1-cyclopen...	236	C14H17FO2	1000279-05-8	35
4	2-Cyclopenten-1-one, 3,4,5,5-tet...	138	C9H14O	090611-02-2	35
5	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

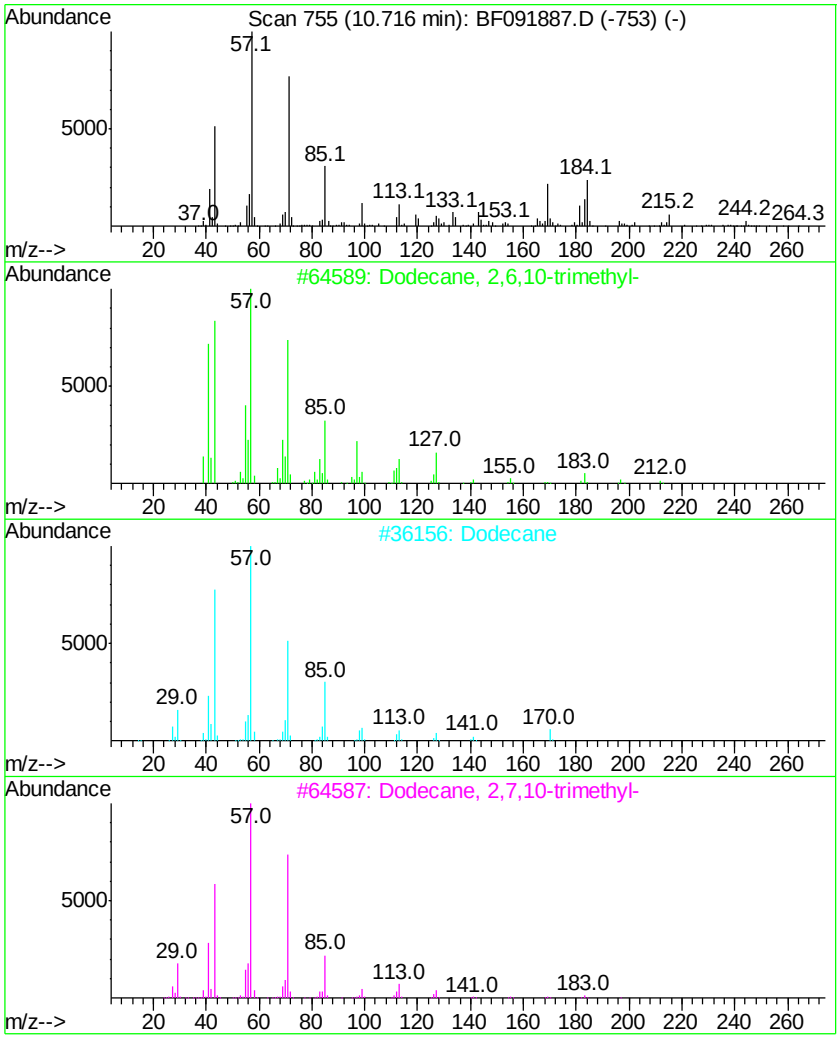
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

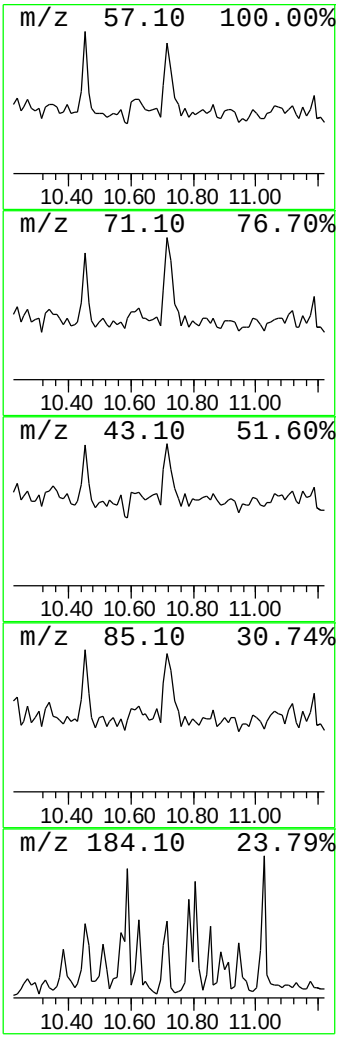
****

Peak Number 20 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	24.50 ng	1751900	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
2	Dodecane	170	C12H26	000112-40-3	50
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	49
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	47
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091887.D
Acq On : 22 Dec 2016 15:47
Operator : UM/SJ
Sample : H6182-05
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(11.5-13.5)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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...	4.94	27.3	ng	4321180	1	6.75	3167990	20.0
2-Octene, 2,6-dim...	6.27	15.0	ng	2370430	1	6.75	3167990	20.0
unknown6.54	6.54	58.6	ng	9283330	1	6.75	3167990	20.0
Cyclohexane, 1,1-...	7.02	25.3	ng	4013700	1	6.75	3167990	20.0
Naphthalene, deca...	7.15	13.9	ng	2193200	1	6.75	3167990	20.0
Ketone, methyl 2,...	7.40	18.3	ng	3707280	2	8.04	4057000	20.0
1H-Indene, 2,3-di...	7.45	14.2	ng	2872860	2	8.04	4057000	20.0
Benzene, 1,2,3,5-...	7.53	12.7	ng	2573310	2	8.04	4057000	20.0
1-Methyldecahydro...	7.68	27.1	ng	5493690	2	8.04	4057000	20.0
Benzene, 1-methyl...	7.79	17.0	ng	3446130	2	8.04	4057000	20.0
unknown7.93	7.93	17.5	ng	3551050	2	8.04	4057000	20.0
Naphthalene, 2-et...	8.33	15.3	ng	3107850	2	8.04	4057000	20.0
Octane, 2,6-dimet...	8.48	39.1	ng	7935120	2	8.04	4057000	20.0
Dodecane, 2,7,10-...	9.07	19.2	ng	3915360	3	9.80	4069160	20.0
Decahydro-4,4,8,9...	9.20	17.8	ng	3611530	3	9.80	4069160	20.0
1-Bromo-1-methyl-...	9.71	17.6	ng	3588160	3	9.80	4069160	20.0
unknown10.20	10.20	13.2	ng	2691800	3	9.80	4069160	20.0
Dodecane, 2,6,10-...	10.72	24.5	ng	1751900	4	11.28	1430130	20.0