LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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	2.647	45	49	52	rBV	34830	70395	1.24%	0.095%
2	4.178	180	183	190	rVB3	53152	113924	2.01%	0.154%
3	4.293	190	193	197	rVB2	45451	73714	1.30%	0.100%
4	4.578	214	218	223	rVB3	24799	75212	1.33%	0.102%
5	4.819	236	239	243	rBV	670436	864002	15.26%	1.168%
6	4.899	243	246	249	rVB2	49567	103005	1.82%	0.139%
7	5.207	271	273	277	rBV3	48140	100305	1.77%	0.136%
8	5.287	277	280	282	rBV	2098450	2788007	49.24%	3.769%
9	5.424	289	292	296	rVB	168465	266816	4.71%	0.361%
10	5.664	311	313	315	rBV2	45806	85100	1.50%	0.115%
11	5.699	315	316	319	rVV	197693	274275	4.84%	0.371%
12	5.824	323	327	330	rBV	270191	337064	5.95%	0.456%
13	5.927	332	336	339	rVB5	32351	104353	1.84%	0.141%
14	5.996	339	342	346	rBV	215945	256572	4.53%	0.347%
15	6.099	348	351	352	rBV2	44823	61979	1.09%	0.084%
16	6.133	352	354	356	rVB	161007	216842	3.83%	0.293%
17	6.190	356	359	362	rBV4	93238	198567	3.51%	0.268%
18	6.270	365	366	368	rBV2	99914	174623	3.08%	0.236%
19	6.304	368	369	370	rVV	412389	490157	8.66%	0.663%
20	6.339	370	372	376	rVV	2223341	2146359	37.91%	2.901%
21	6.453	379	382	385	rBV	5279181	5084853	89.81%	6.873%
22	6.556	390	391	394	rVB2	61681	58073	1.03%	0.078%
23	6.602	394	395	396	rBV	82332	101886	1.80%	0.138%
24	6.636	396	398	400	rVB2	159321	157245	2.78%	0.213%
25	6.682	400	402	404	rBV	1471635	1573761	27.80%	2.127%
26	6.842	413	416	417	rBV	4003392	5269696	93.08%	7.123%
27	6.864	417	418	423	rVV2	577318	613267	10.83%	0.829%
28	6.933	423	424	429	rVB2	330882	381552	6.74%	0.516%
29	7.024	429	432	435	rBV2	329095	483041	8.53%	0.653%
30	7.070	435	436	438	rBV2	91947	147845	2.61%	0.200%
31	7.127	438	441	445	rVB3	97553	160964	2.84%	0.218%
32	7.253	445	452	454	rBV	4271054	5514443	97.40%	7.454%
33	7.333	457	459	461	rVB3	257928	274710	4.85%	0.371%
34	7.379	461	463	464	rBV	183615	195713	3.46%	0.265%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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	7.459	467	470	472	rBV2	598206	723030	12.77%	0.977%
36	7.539	475	477	479	rBV2	104824	175918	3.11%	0.238%
37	7.630	482	485	489	rVB4	246416	768397	13.57%	1.039%
38	7.710	489	492	494	rBV	543526	764042	13.50%	1.033%
39	7.802	497	500	502	rBV2	409316	654631	11.56%	0.885%
40	7.859	502	505	508	rBV4	216208	377999	6.68%	0.511%
41	7.905	508	509	512	rBV3	234843	344174	6.08%	0.465%
42	7.962	512	514	518	rBV	1710845	2893477	51.11%	3.911%
43	8.099	524	526	527	rVB2	105789	102326	1.81%	0.138%
44	8.167	527	532	534	rBV4	270117	763606	13.49%	1.032%
45	8.213	534	536	537	rBV2	463172	412513	7.29%	0.558%
46	8.316	542	545	546	rVV3	170041	366961	6.48%	0.496%
47	8.350	546	548	551	rVV4	366014	507299	8.96%	0.686%
48	8.407	551	553	557	rVV4	350022	1016392	17.95%	1.374%
49	8.499	560	561	563	rVV2	226627	381579	6.74%	0.516%
50	8.567	565	567	568	rVV2	194888	292355	5.16%	0.395%
51	8.636	570	573	574	rVV2	377482	747959	13.21%	1.011%
52	8.659	574	575	578	rVV3	527897	700499	12.37%	0.947%
53	8.750	578	583	584	rVV2	809439	1336950	23.61%	1.807%
54	8.773	584	585	589	rVV2	526089	1017845	17.98%	1.376%
55	8.853	590	592	593	rVV	289792	473435	8.36%	0.640%
56	8.922	596	598	602	rVV5	233570	690547	12.20%	0.933%
57	9.002	602	605	606	rVV2	597358	824730	14.57%	1.115%
58	9.047	606	609	612	rVV	5002448	5661506	100.00%	7.653%
59	9.093	612	613	614	rVB	156933	107578	1.90%	0.145%
60	9.128	614	616	617	rBV2	77993	135242	2.39%	0.183%
61	9.173	618	620	621	rVV	204745	278314	4.92%	0.376%
62	9.208	621	623	624	rVV2	151680	208023	3.67%	0.281%
63	9.242	624	626	629	rVB2	127143	174525	3.08%	0.236%
64	9.310	630	632	634	rBV2	192051	210791	3.72%	0.285%
65	9.379	635	638	641	rVV4	279317	613393	10.83%	0.829%
66	9.448	643	644	646	rVV2	415764	520387	9.19%	0.703%
67	9.482	646	647	649	rVV2	105091	147374	2.60%	0.199%
68	9.539	649	652	653	rVV2	171293	250762	4.43%	0.339%
69	9.573	653	655	659	rVB2	486968	623165	11.01%	0.842%
70	9.630	659	660	664	rVB4	153376	235998	4.17%	0.319%
71	9.722	664	668	669	rBV	1929756	2514303	44.41%	3.399%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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	9.745	669	670	673	rVB3	119261	170152	3.01%	0.230%
73	9.962	687	689	690	rVB	257330	273104	4.82%	0.369%
74	9.985	690	691	693	rVB2	132895	136350	2.41%	0.184%
75	10.030	693	695	696	rBV2	190077	274768	4.85%	0.371%
76	10.168	704	707	709	rBV4	117676	266533	4.71%	0.360%
77	10.385	724	726	727	rBV	68225	93838	1.66%	0.127%
78	10.419	727	729	731	rVV2	110415	200645	3.54%	0.271%
79	10.511	734	737	740	rVB	3388120	3624342	64.02%	4.899%
80	10.648	745	749	752	rBV2	169816	348294	6.15%	0.471%
81	10.705	752	754	755	rBV	139226	189548	3.35%	0.256%
82	10.739	755	757	763	rVB5	166980	449393	7.94%	0.607%
83	10.831	763	765	768	rBV2	63041	117867	2.08%	0.159%
84	11.002	778	780	782	rBV2	58534	104026	1.84%	0.141%
85	11.071	784	786	788	rVV2	135886	221322	3.91%	0.299%
86	11.105	788	789	791	rVV2	91215	132912	2.35%	0.180%
87	11.196	795	797	801	rVB	1834208	1720769	30.39%	2.326%
88	11.413	814	816	819	rBV	52380	68207	1.20%	0.092%
89	11.505	822	824	827	rBV2	52353	67698	1.20%	0.092%
90	11.745	843	845	853	rVB2	461414	591874	10.45%	0.800%
91	11.871	853	856	858	rBV	139793	187089	3.30%	0.253%
92	12.431	903	905	911	rVB6	26614	67182	1.19%	0.091%
93	12.522	911	913	916	rBV2	246310	335966	5.93%	0.454%
94	12.785	933	936	939	rBV	4672649	4969159	87.77%	6.717%
95	13.688	1012	1015	1019	rBV2	117386	161065	2.84%	0.218%
96	13.825	1024	1027	1030	rBV	1411962	1305002	23.05%	1.764%
97	15.208	1145	1148	1151	rBV	846041	1066777	18.84%	1.442%

Sum of corrected areas: 73980227

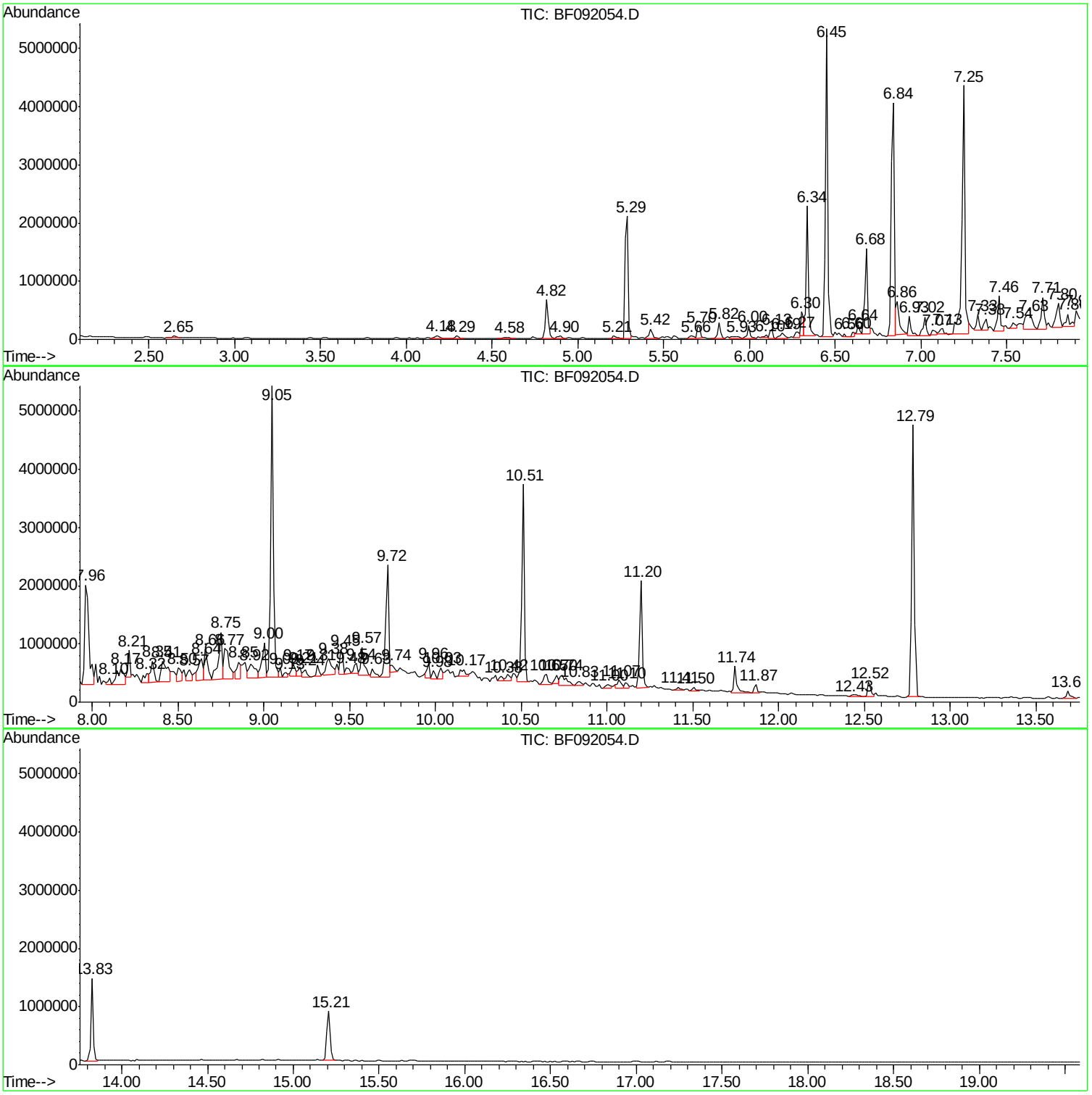
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

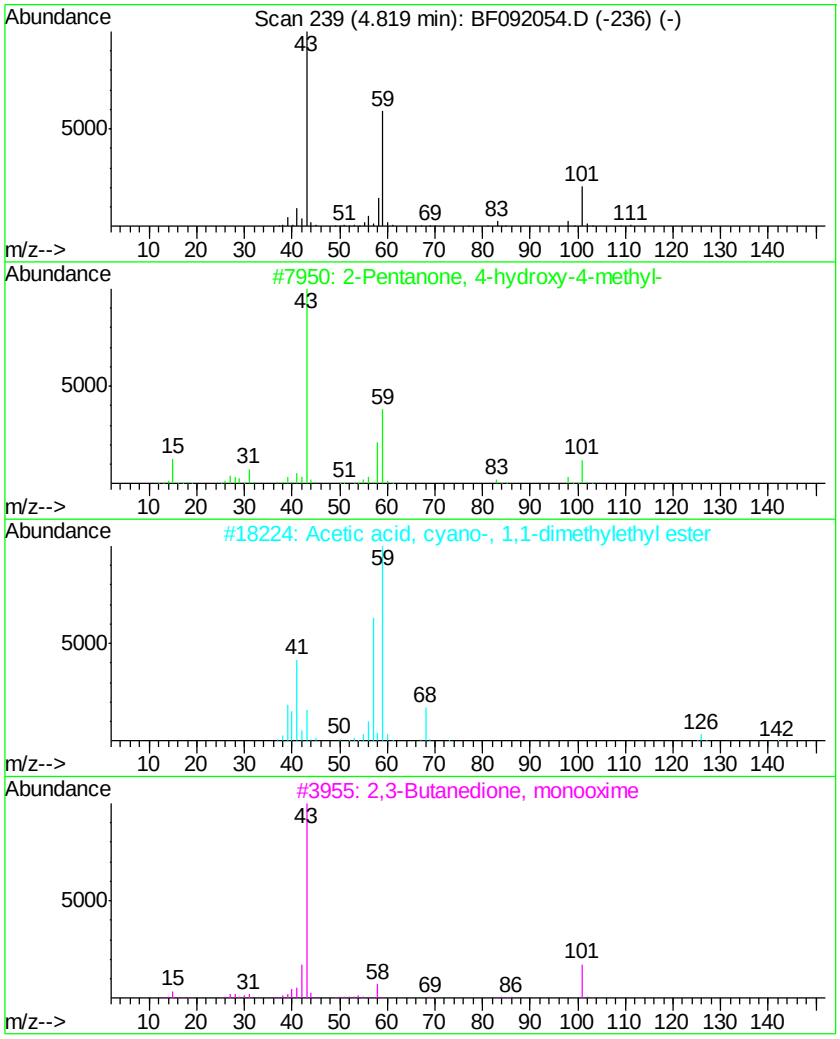
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

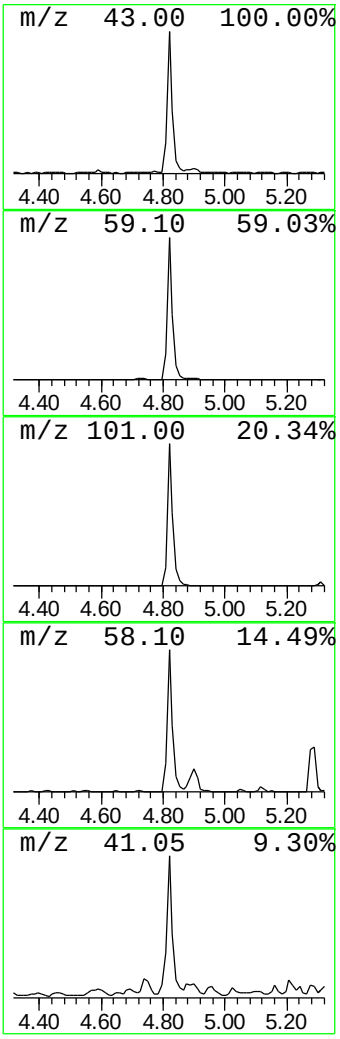
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	10.98 ng	864002	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

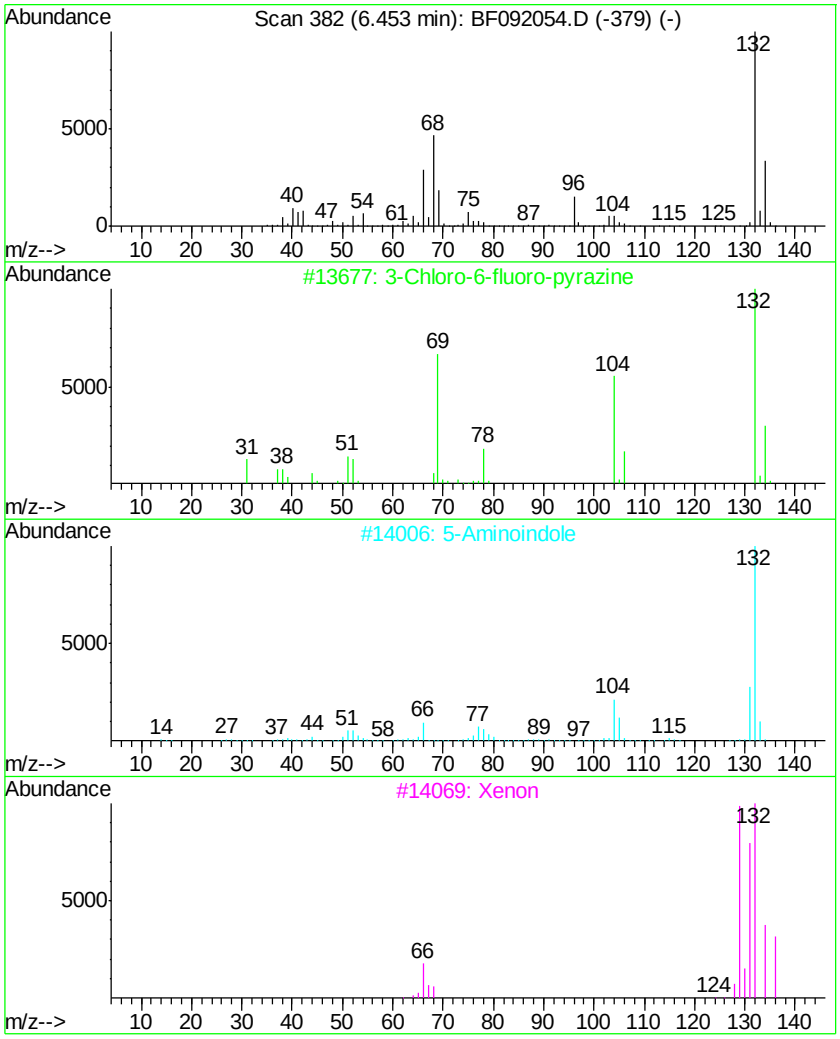
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

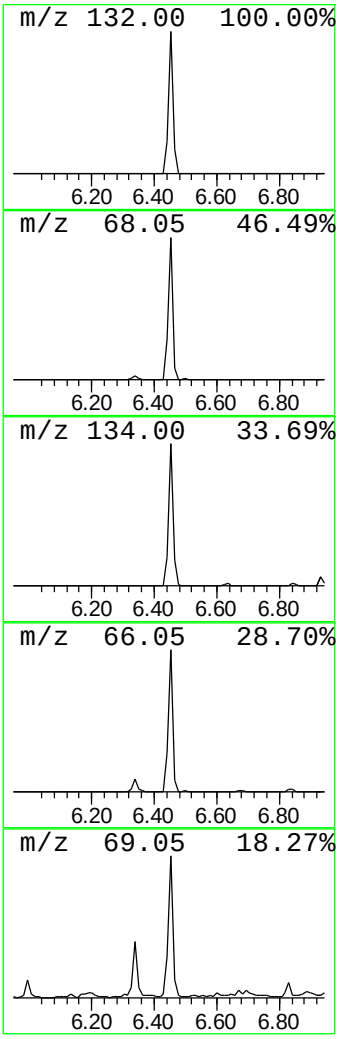
****

Peak Number 2 unknown6.45 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	64.62 ng	5084850	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Xenon	132	Xe	007440-63-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

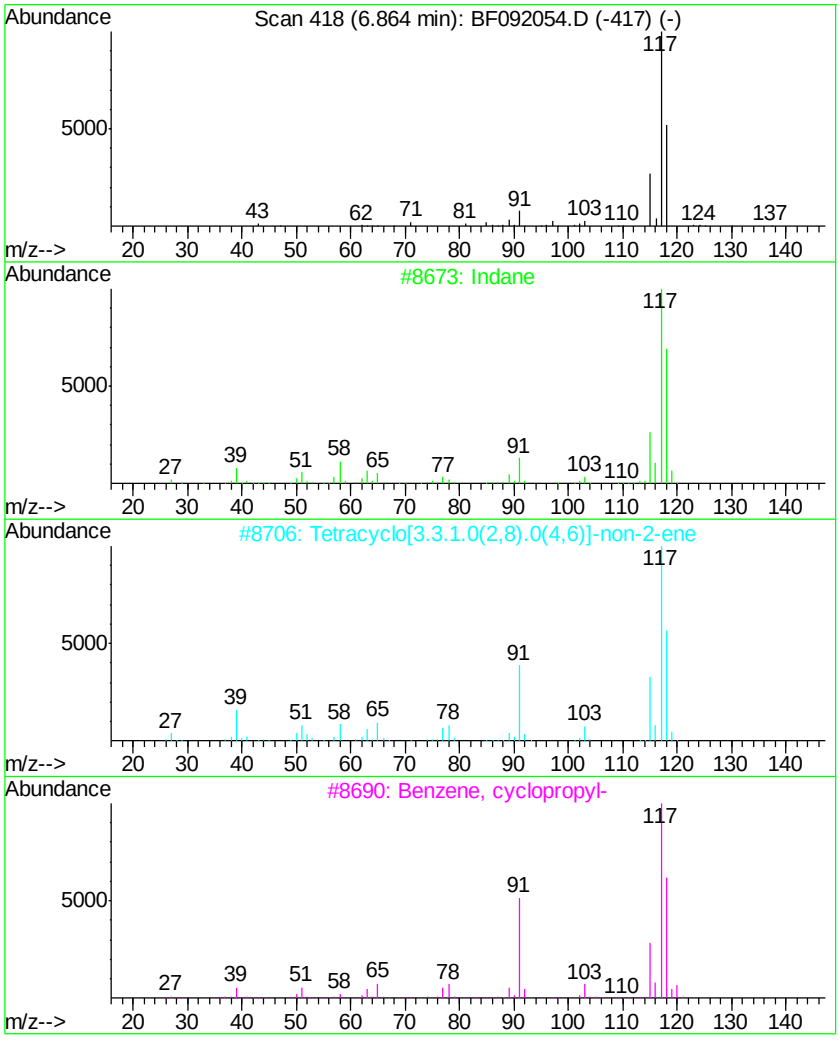
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

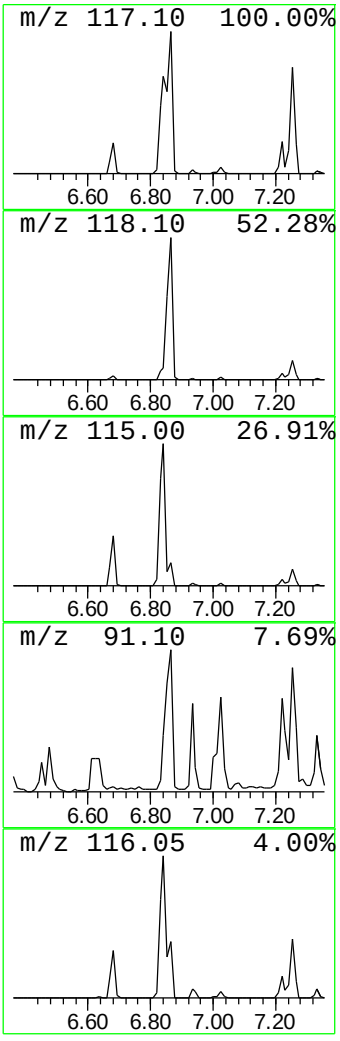
****

Peak Number 4 unknown6.86 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	7.79 ng	613267	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	43
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	38
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	9
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	9
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

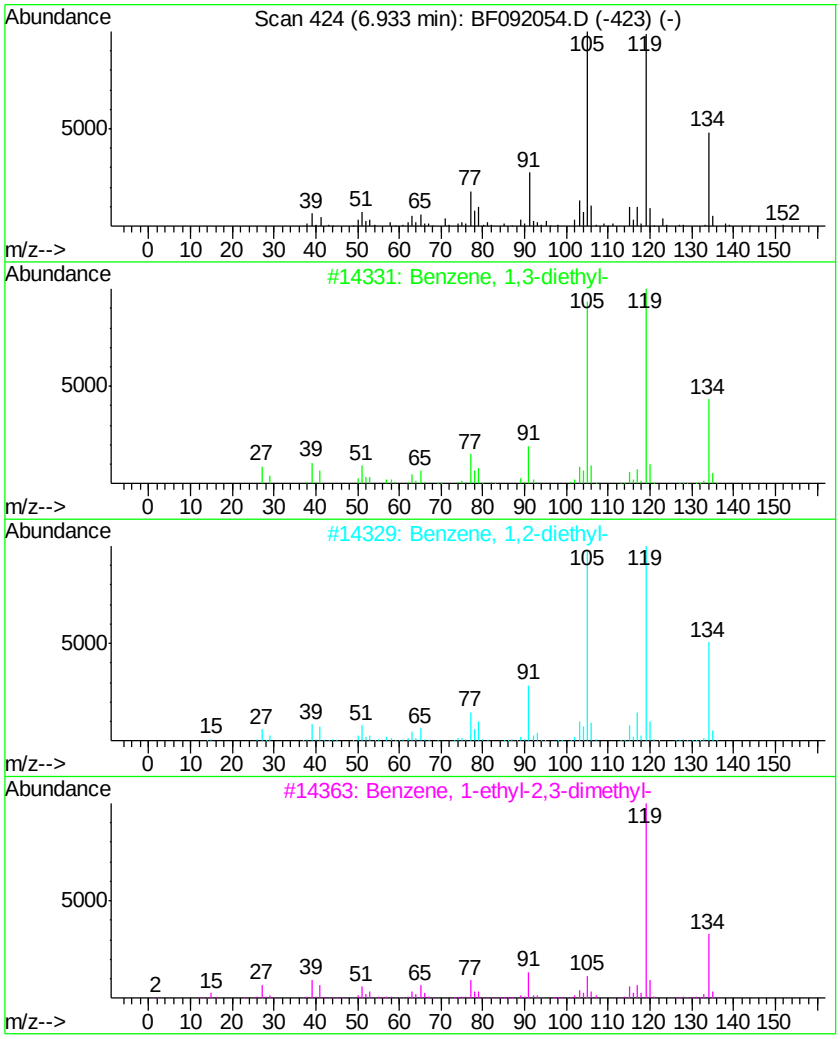
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

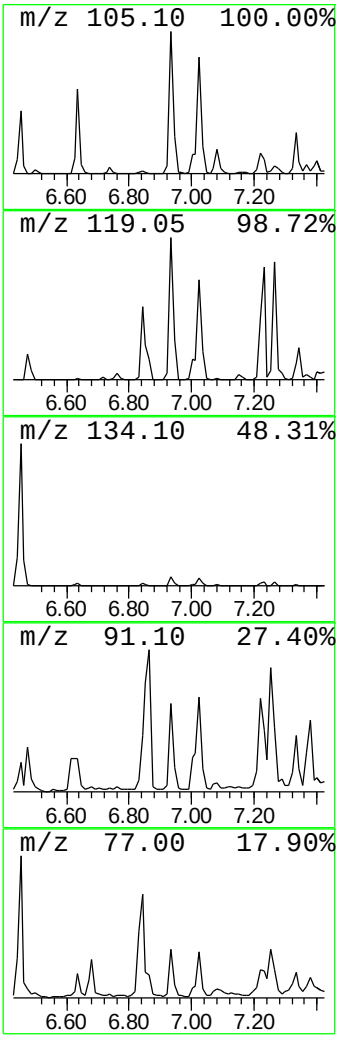
****

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	4.85 ng	381552	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

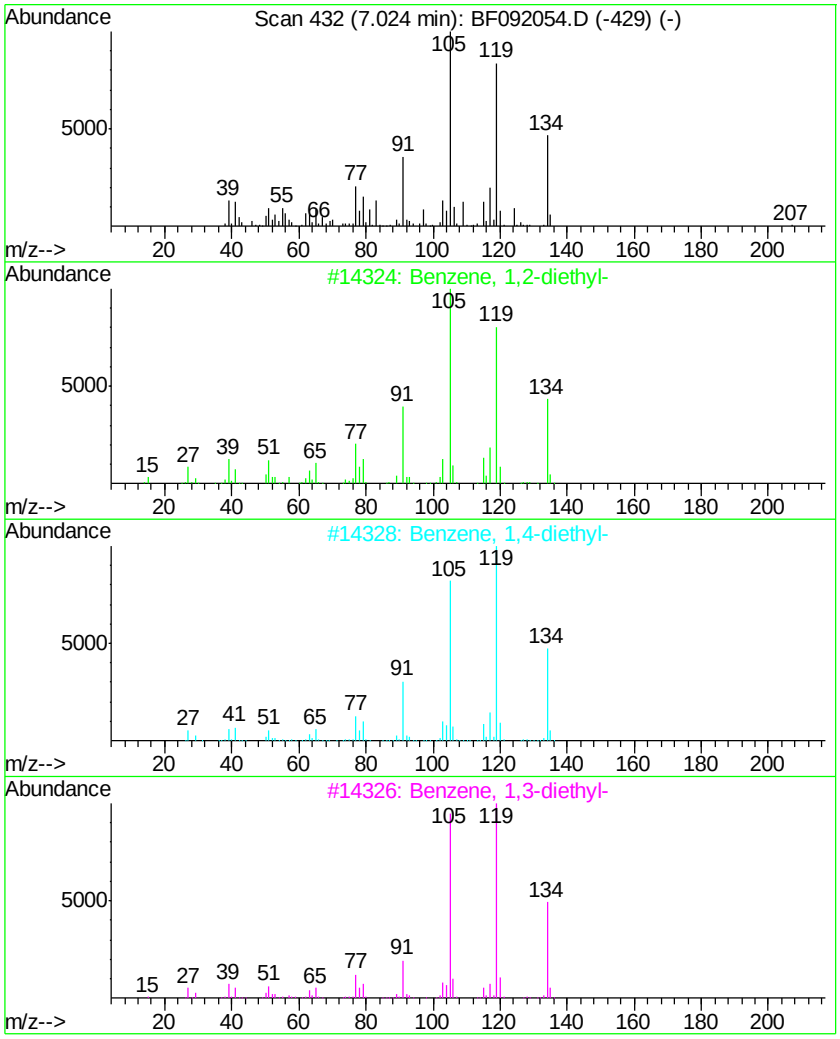
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

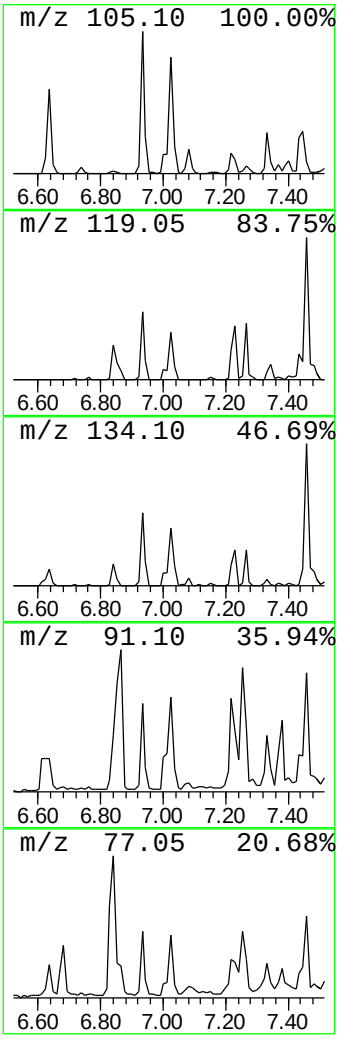
****

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	6.14 ng	483041	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	74
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	62
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

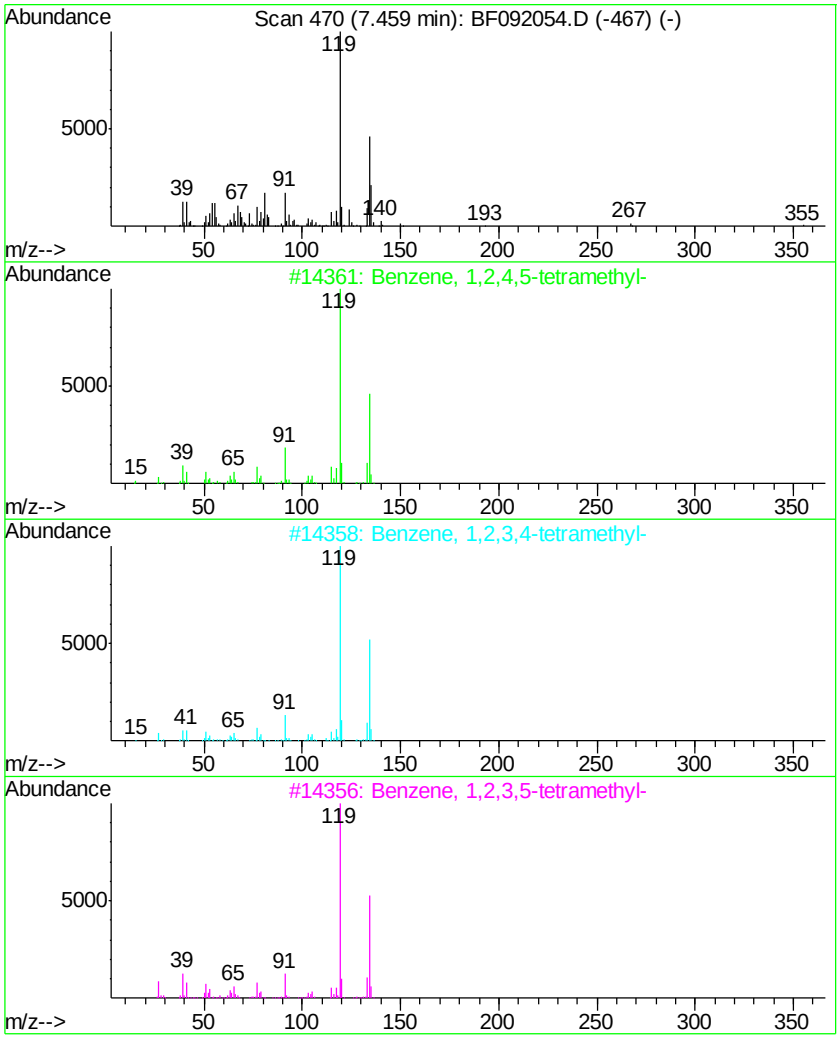
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

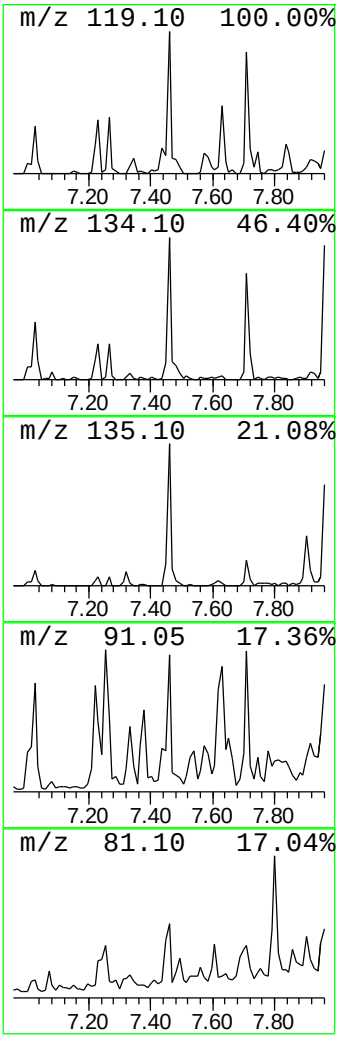
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	5.00 ng	723030	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	90





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Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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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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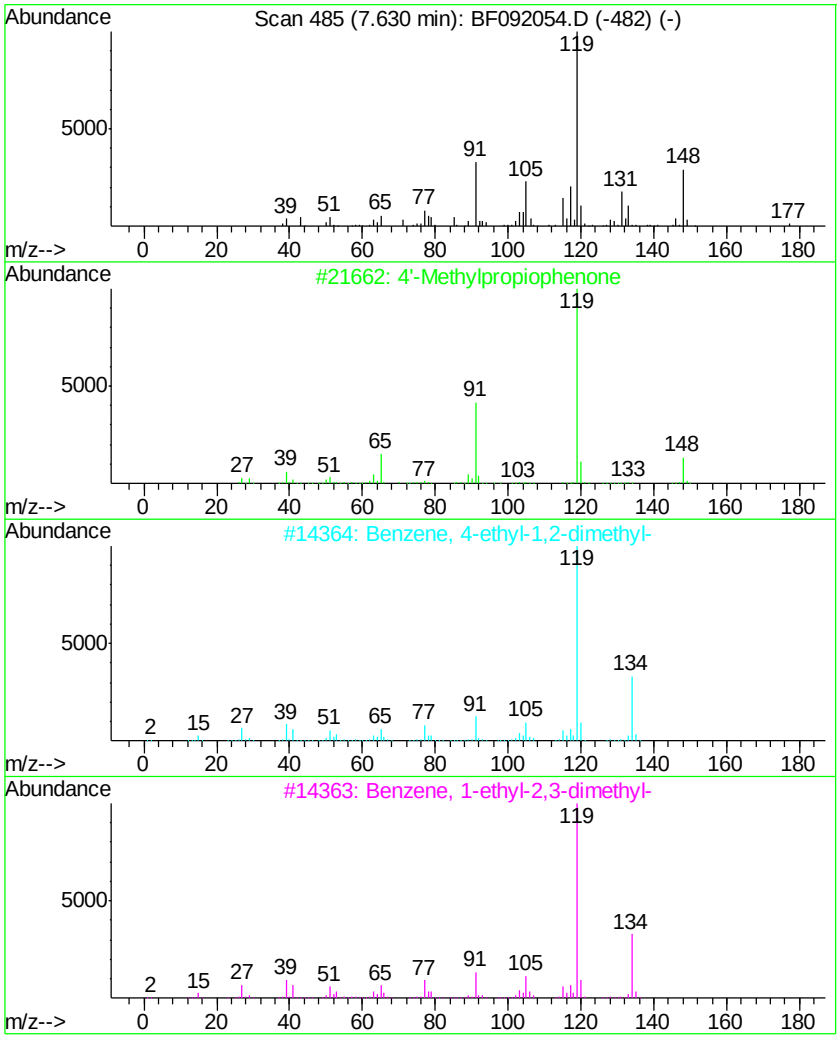
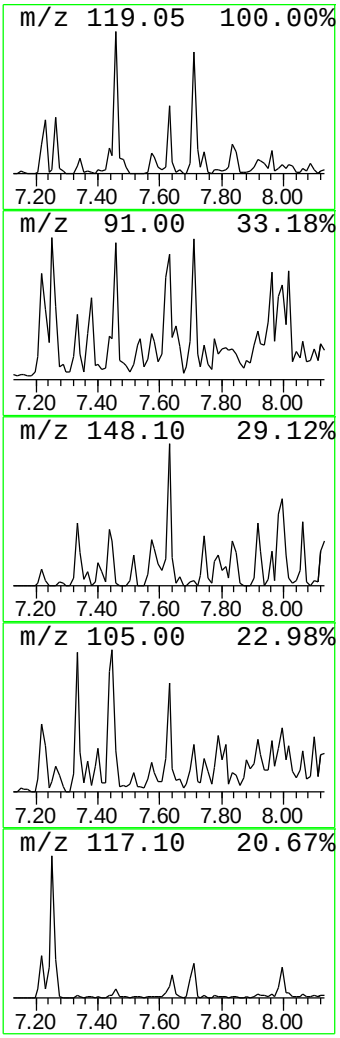
Peak Number 8 4'-Methylpropiophenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	5.31 ng	768397	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Methylpropiophenone	148	C10H12O	005337-93-9	53
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	49
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	47
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	47





Library Search Compound Report

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ClientSampleId : MW-05R

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

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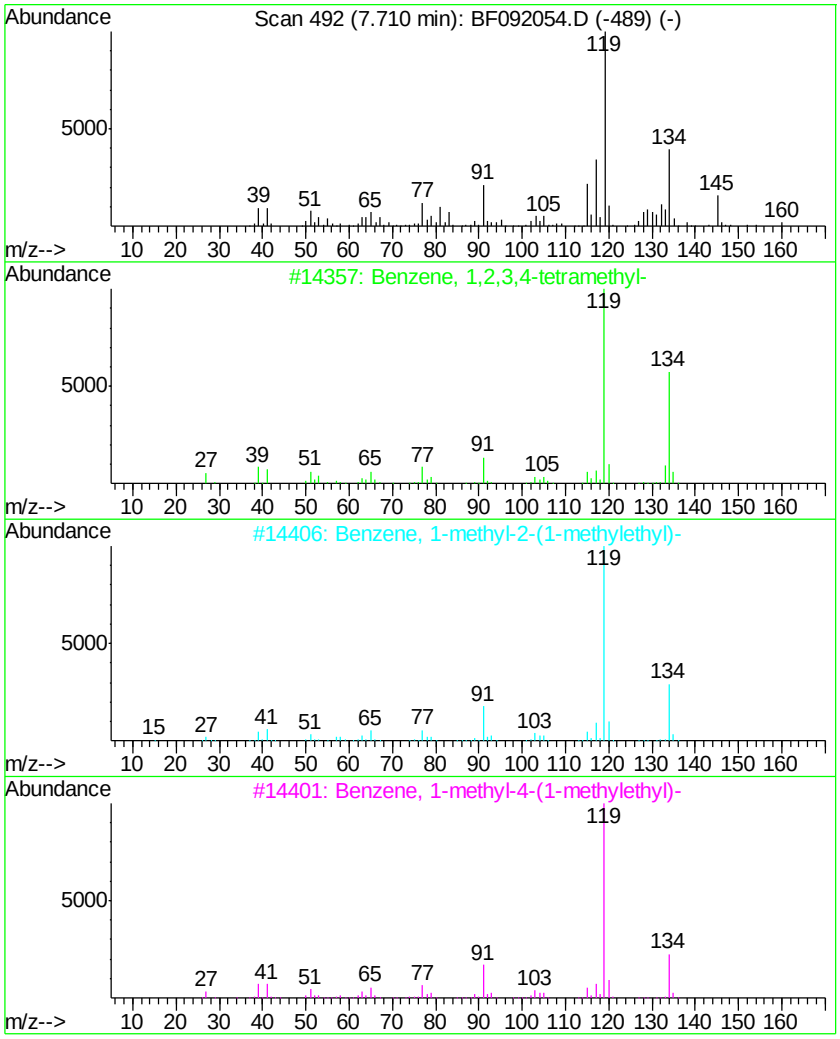
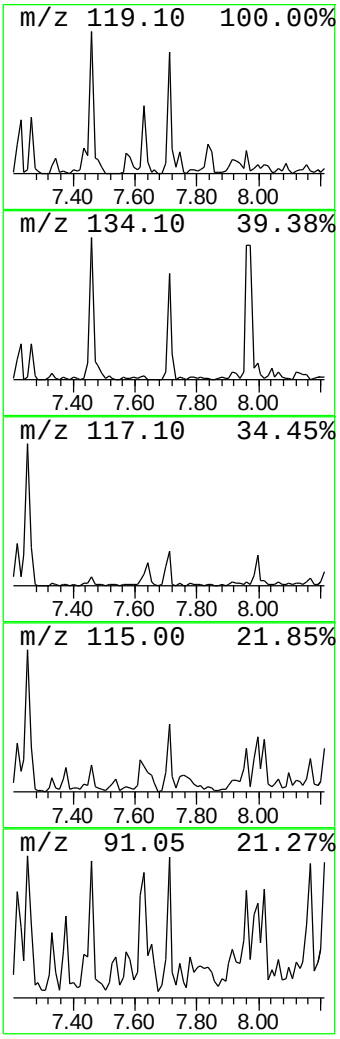
Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	5.28 ng	764042	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	70
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	70
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70





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ClientSampleId : MW-05R

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

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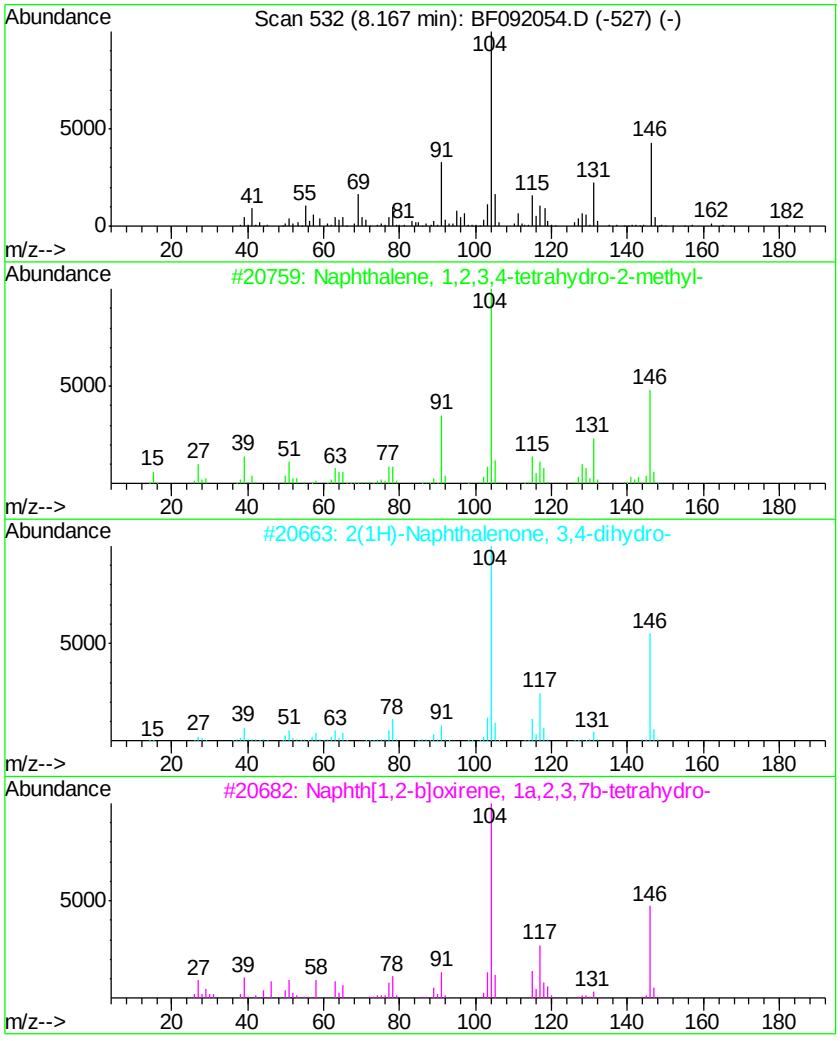
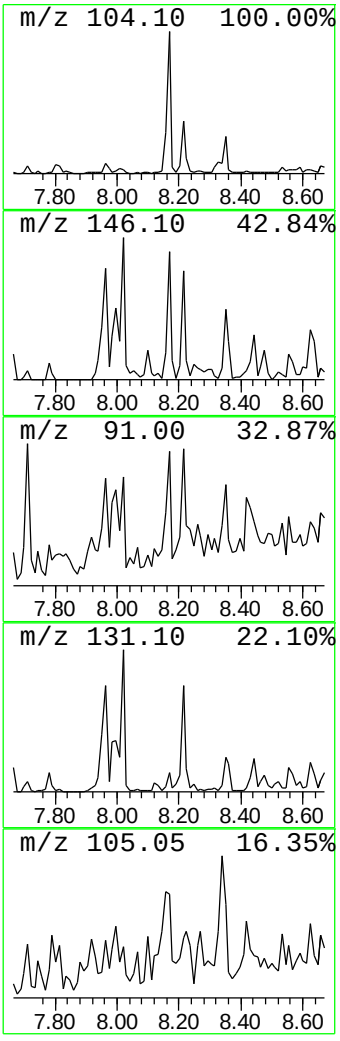
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	5.28 ng	763606	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	95
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	47
5	2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	38





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ClientSampleId : MW-05R

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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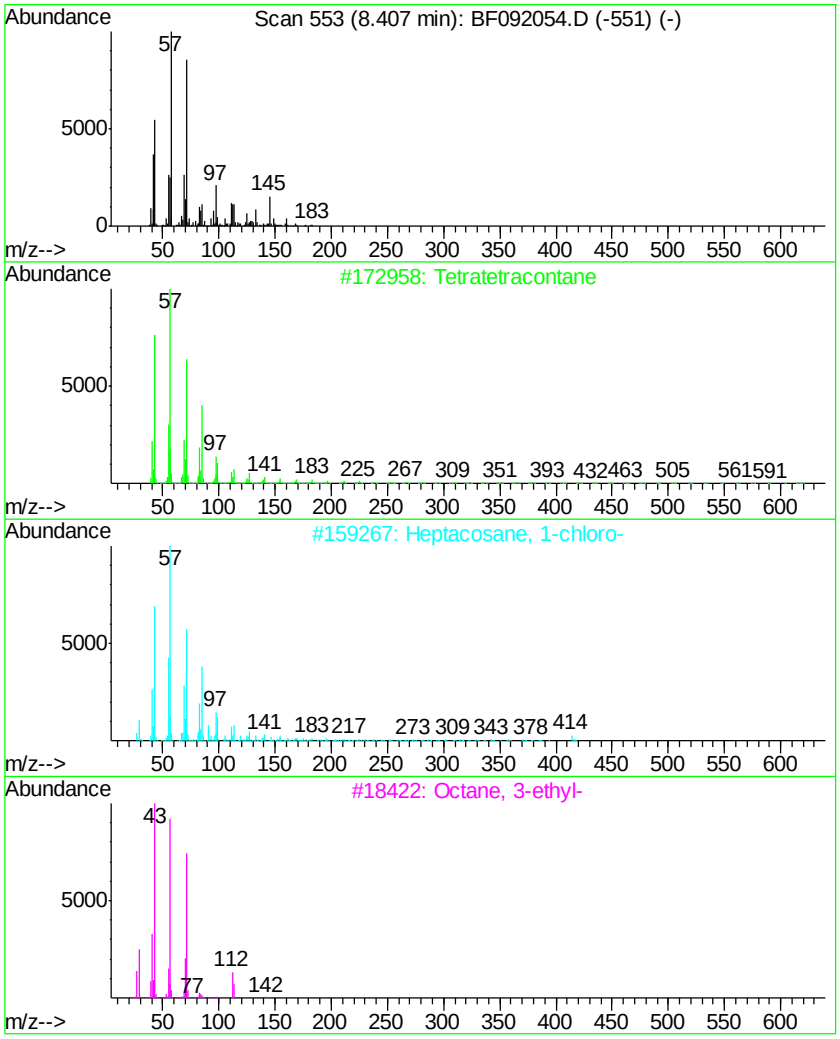
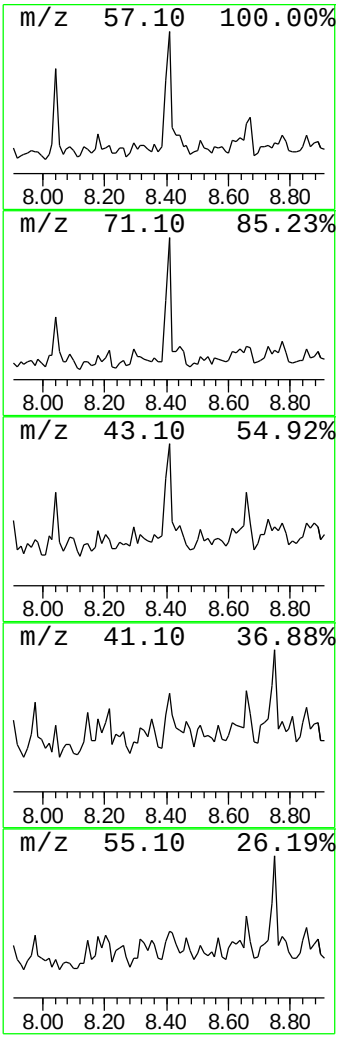
Peak Number 11 Tetratetracontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	7.03 ng	1016390	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	64
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	59
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	50
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	43





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TIC Library : C:\DATABASE\NIST02.L
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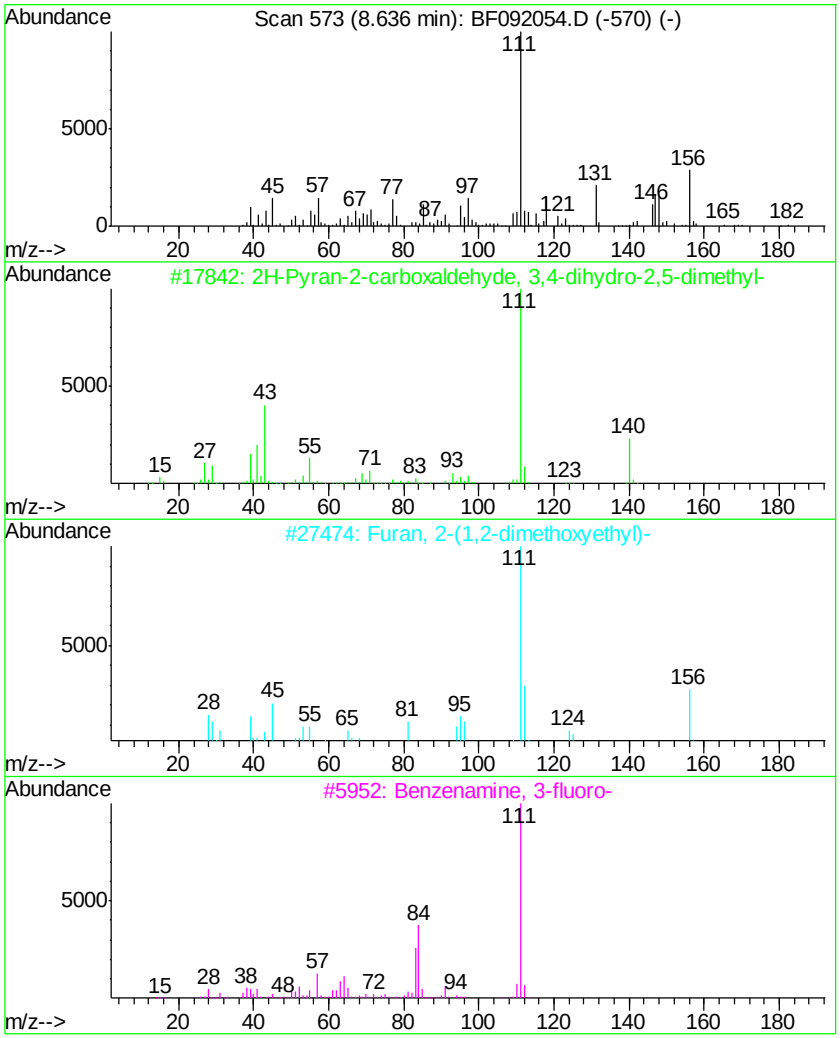
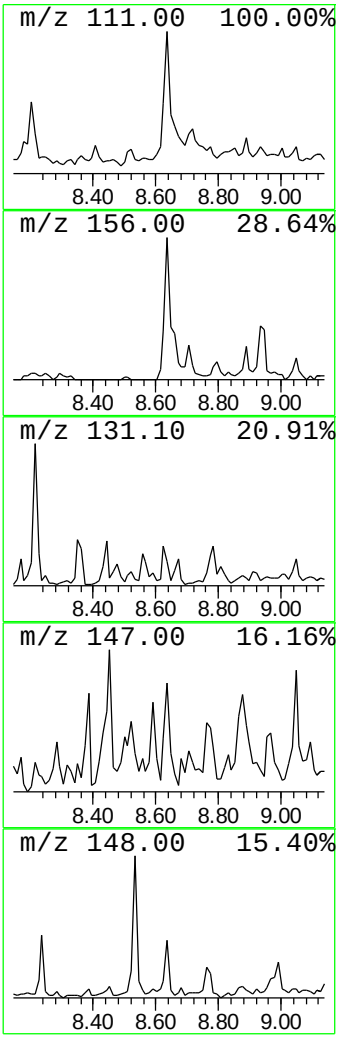
Peak Number 12 unknown8.64 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	5.17 ng	747959	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-carboxaldehyde, 3,4-d...	140	C8H12O2	001920-21-4	38
2	Furan, 2-(1,2-dimethoxyethyl)-	156	C8H12O3	053914-27-5	37
3	Benzenamine, 3-fluoro-	111	C6H6FN	000372-19-0	35
4	2-Thiophenecarboxylic acid, cycl...	196	C10H12O2S	1000278-88-2	35
5	2-Thiophenecarbonyl chloride	146	C5H3ClOS	005271-67-0	32





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TIC Integration Parameters: LSCINT.P

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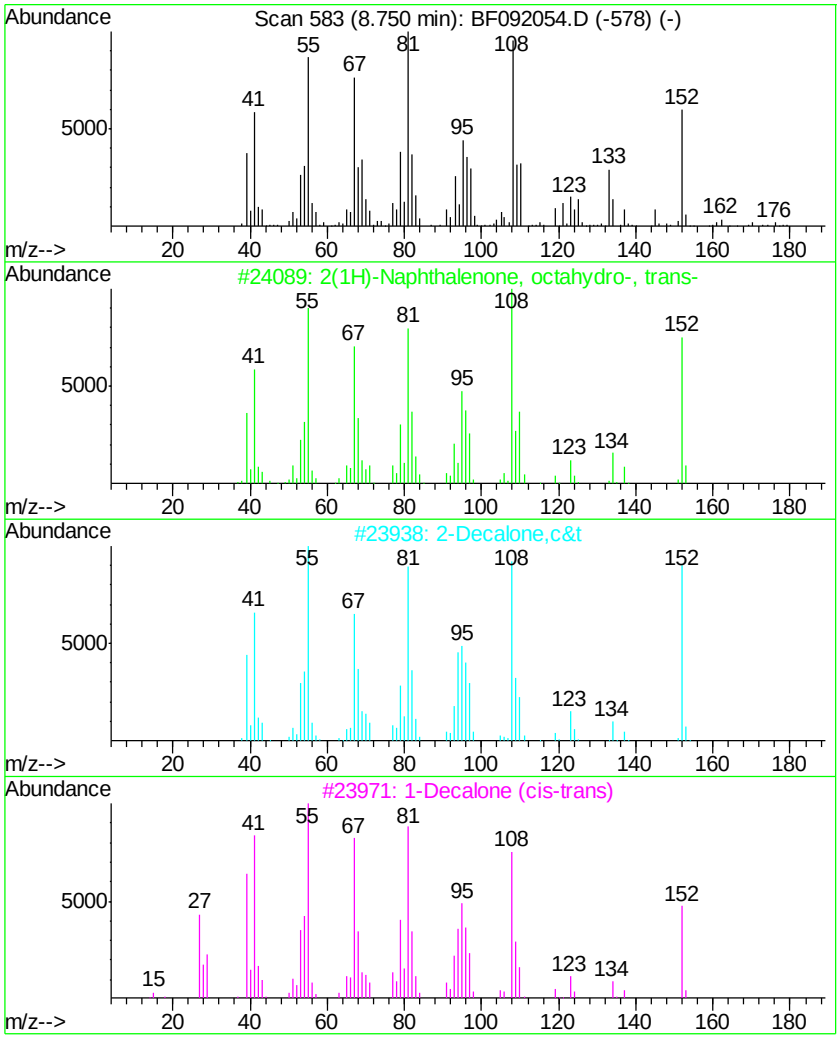
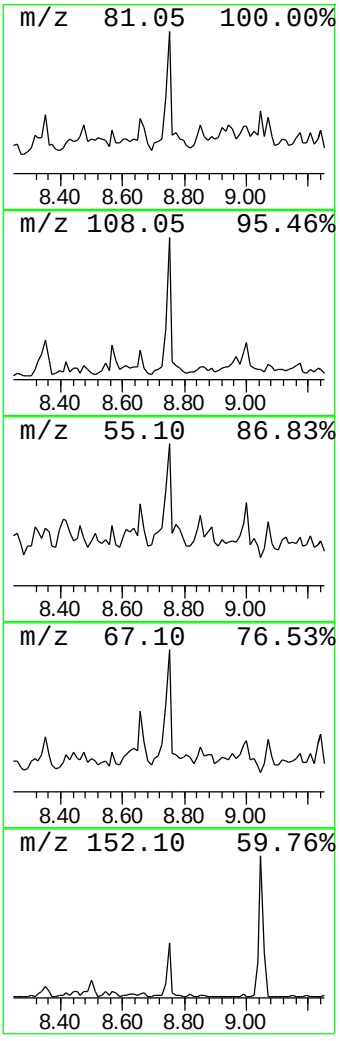
Peak Number 13 2(1H)-Naphthalenone, octahy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	9.24 ng	1336950	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	98
2	2-Decalone,c&t	152	C10H16O	004832-17-1	94
3	1-Decalone (cis-trans)	152	C10H16O	004832-16-0	93
4	Bicyclo[4.3.1]decan-10-one	152	C10H16O	020440-21-5	64
5	Spiro[4.5]decan-2-one	152	C10H16O	003643-16-1	58





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Instrument : BNA_F
ClientSampleId : MW-05R

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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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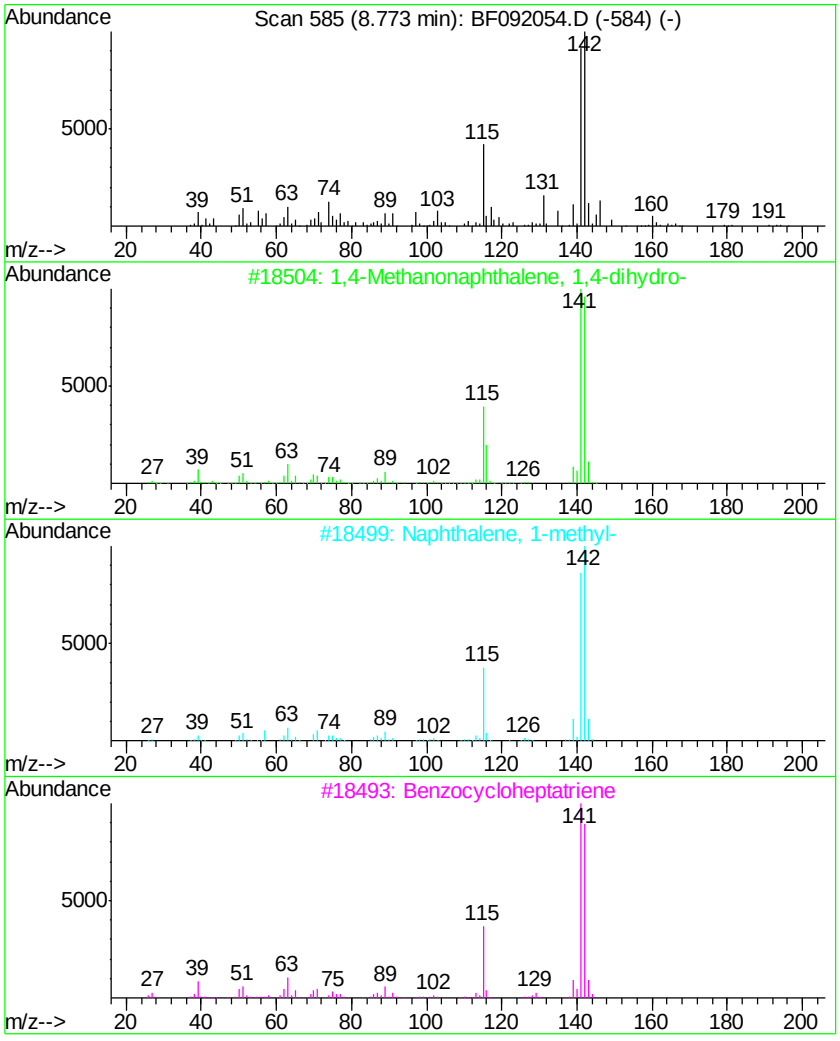
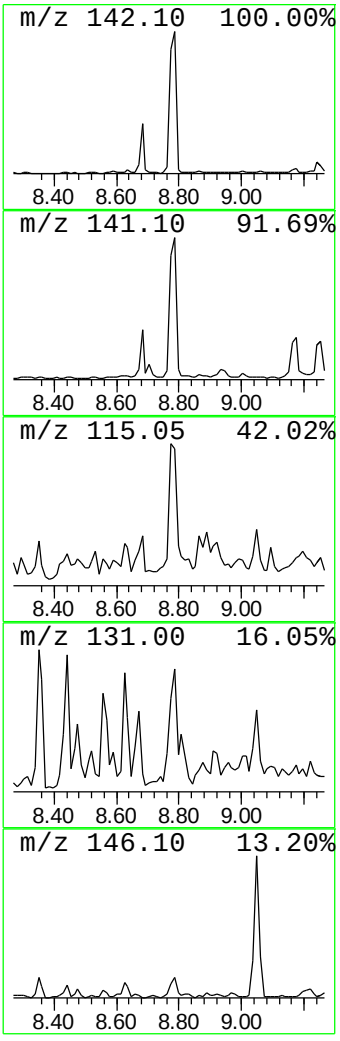
Peak Number 14 1,4-Methanonaphthalene, 1,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	7.04 ng	1017850	Naphthalene-d8	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
3	Benzocycloheptatriene	142	C11H10	000264-09-5	87
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
5	Spiro(9-methylenetricyclo[6.2.1....	184	C13H12O	033929-47-4	59





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Instrument : BNA_F
ClientSampleId : MW-05R

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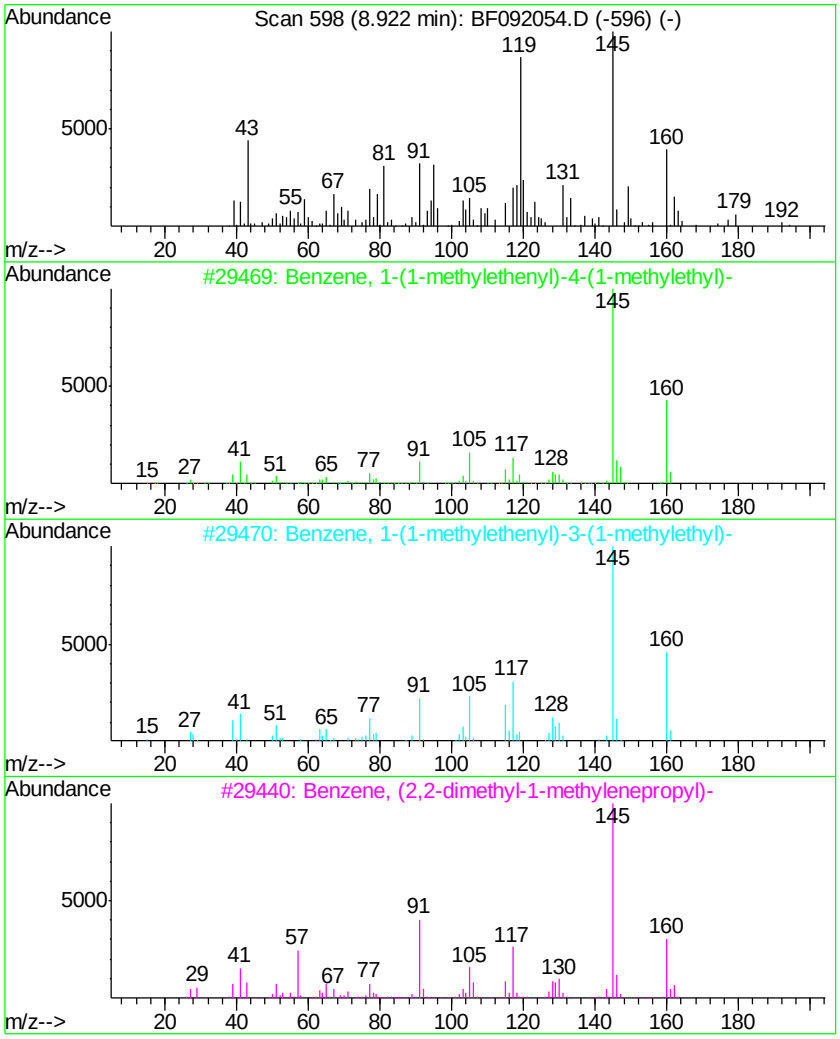
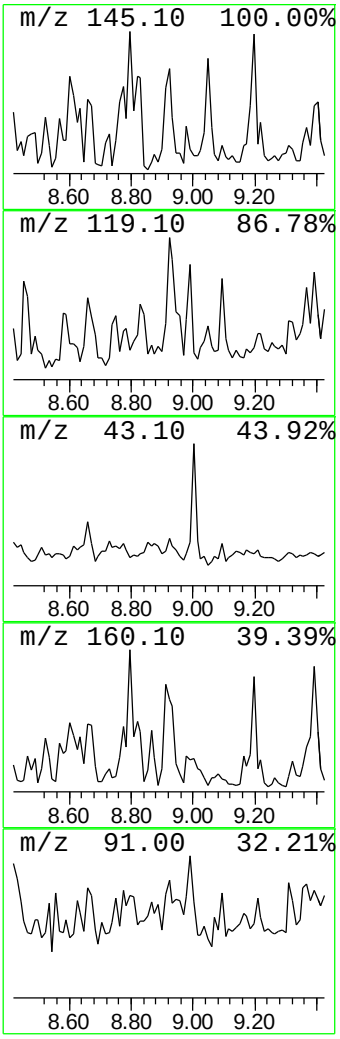
Peak Number 15 unknown8.92 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	5.49 ng	690547	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	35
2	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	35
3	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	27
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	27
5	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	27





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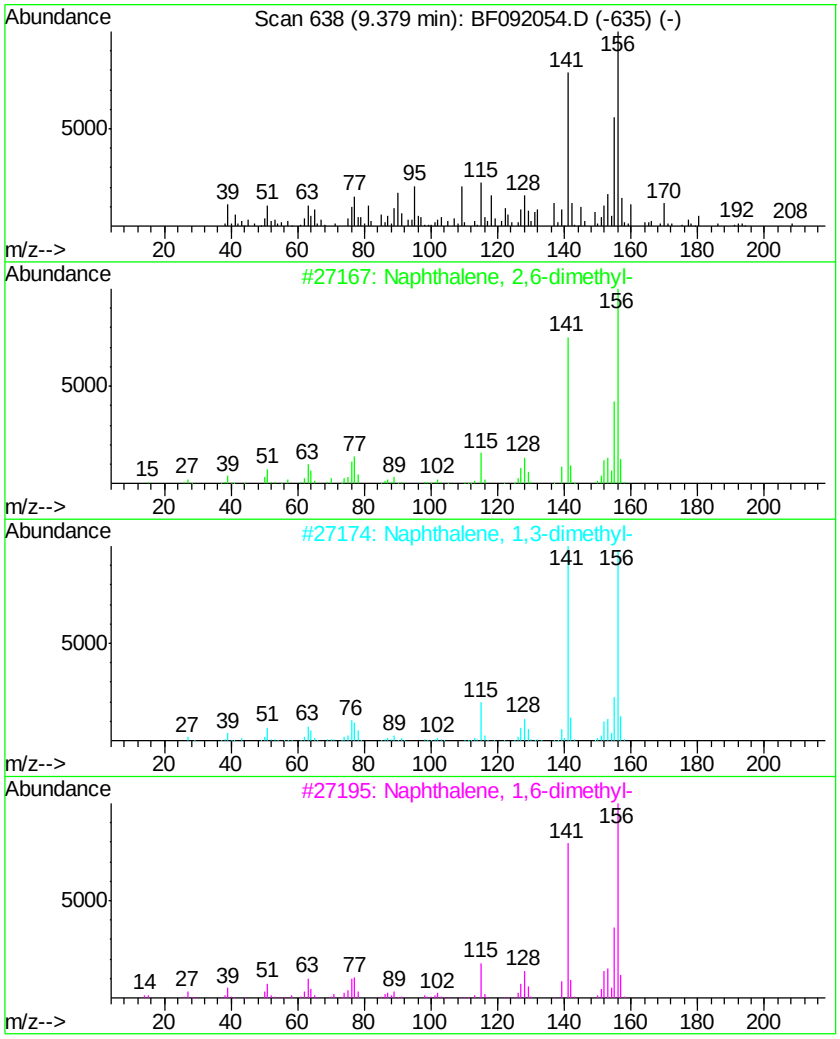
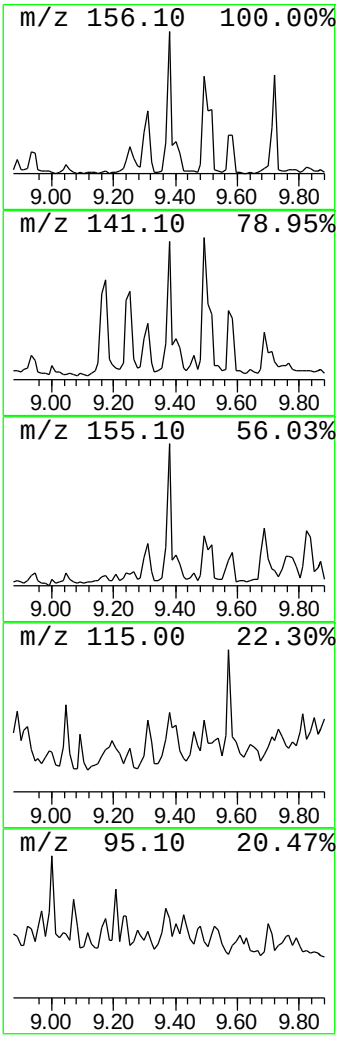
Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	4.88 ng	613393	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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ClientSampleId : MW-05R

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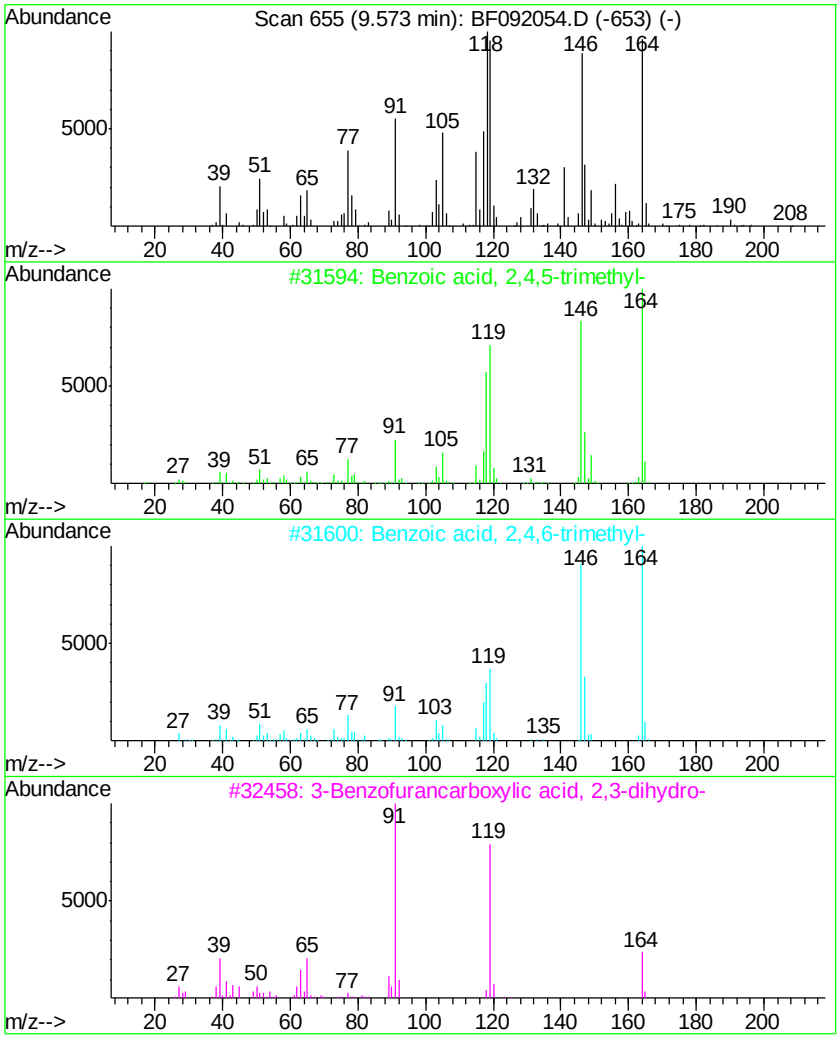
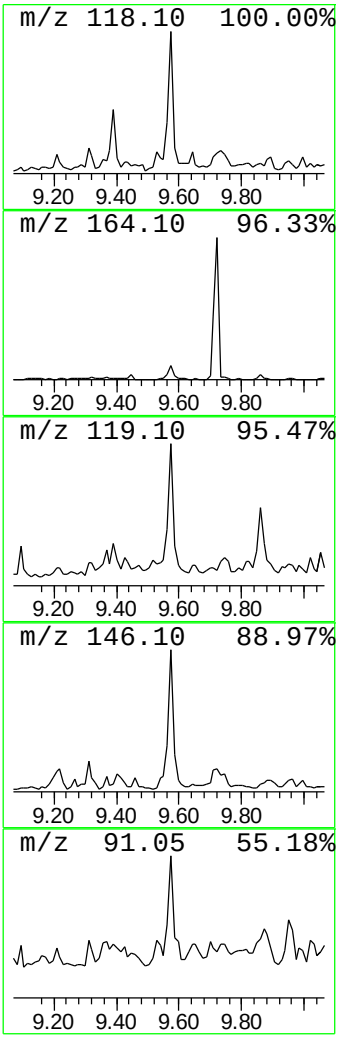
Peak Number 17 Benzoic acid, 2,4,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	4.96 ng	623165	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	81
2	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	53
3	3-Benzofurancarboxylic acid, 2,3...	164	C9H8O3	039891-55-9	38
4	Ethyl m-methylbenzoate	164	C10H12O2	000120-33-2	30
5	Ethyl o-methylbenzoate	164	C10H12O2	000087-24-1	27





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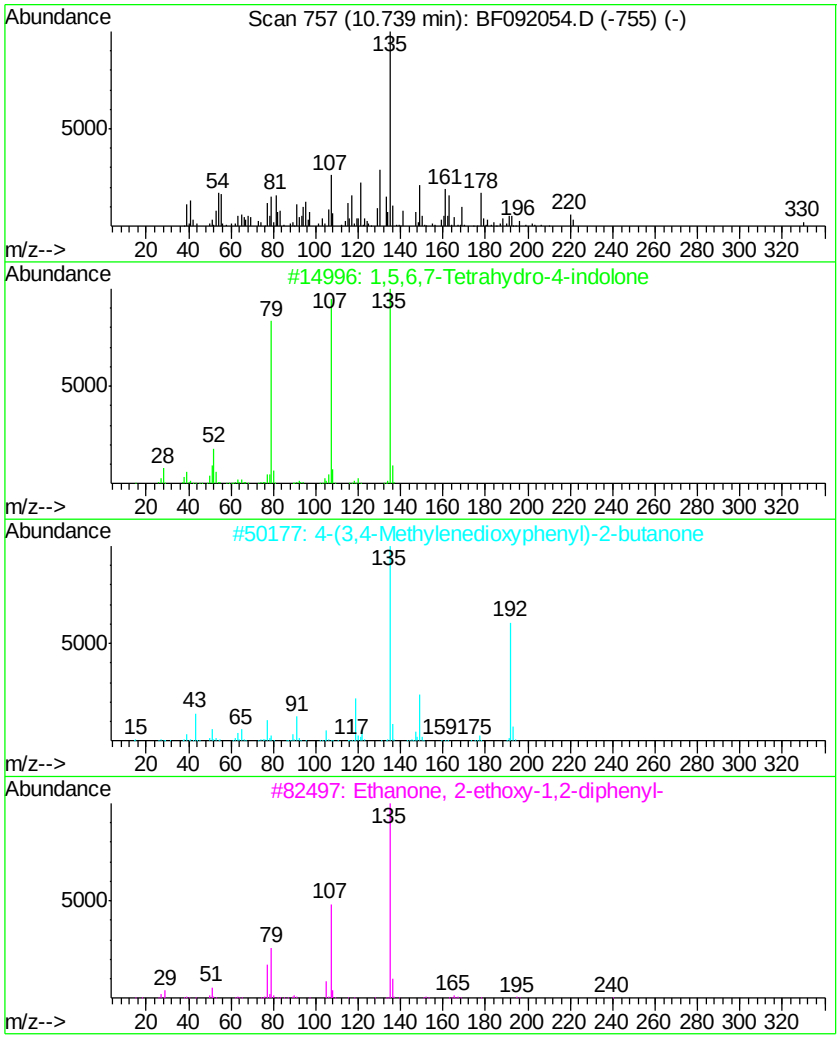
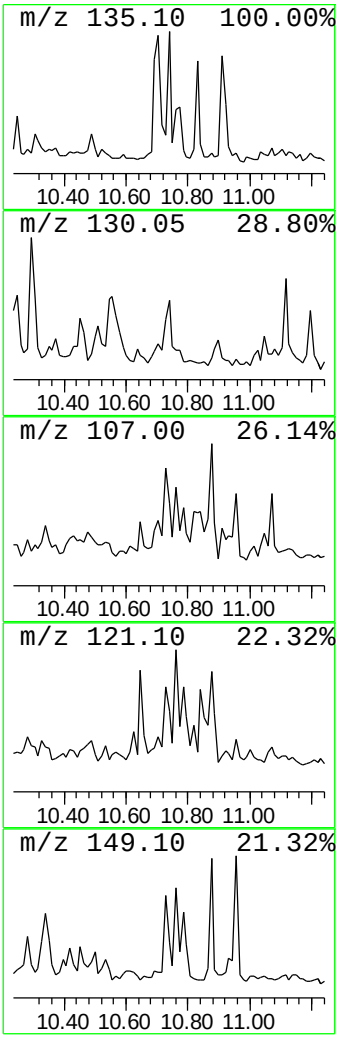
Peak Number 18 unknown10.74 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	5.22 ng	449393	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	46
2	4-(3,4-Methylenedioxyphenyl)-2-b...	192	C11H12O3	055418-52-5	43
3	Ethanone, 2-ethoxy-1,2-diphenyl-	240	C16H16O2	000574-09-4	43
4	2H-Imidazo[4,5-b]pyridin-2-one, ...	135	C6H5N3O	016328-62-4	43
5	4-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	015174-69-3	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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

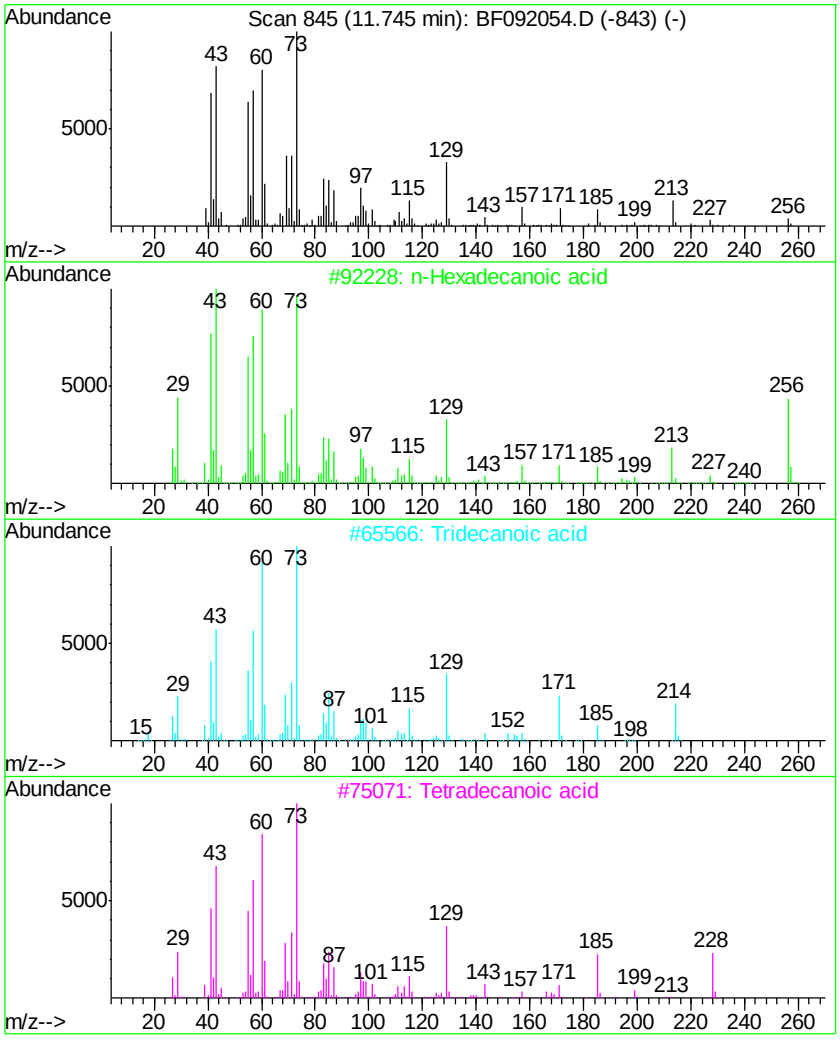
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

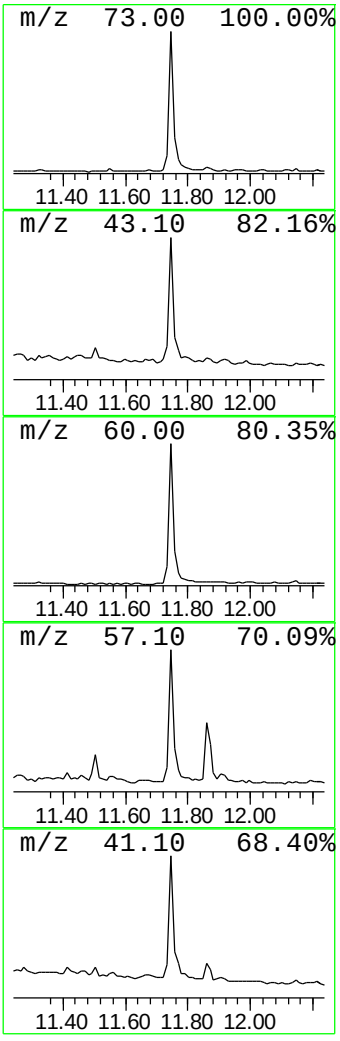
****

Peak Number 19 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.88 ng	591874	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-05R

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

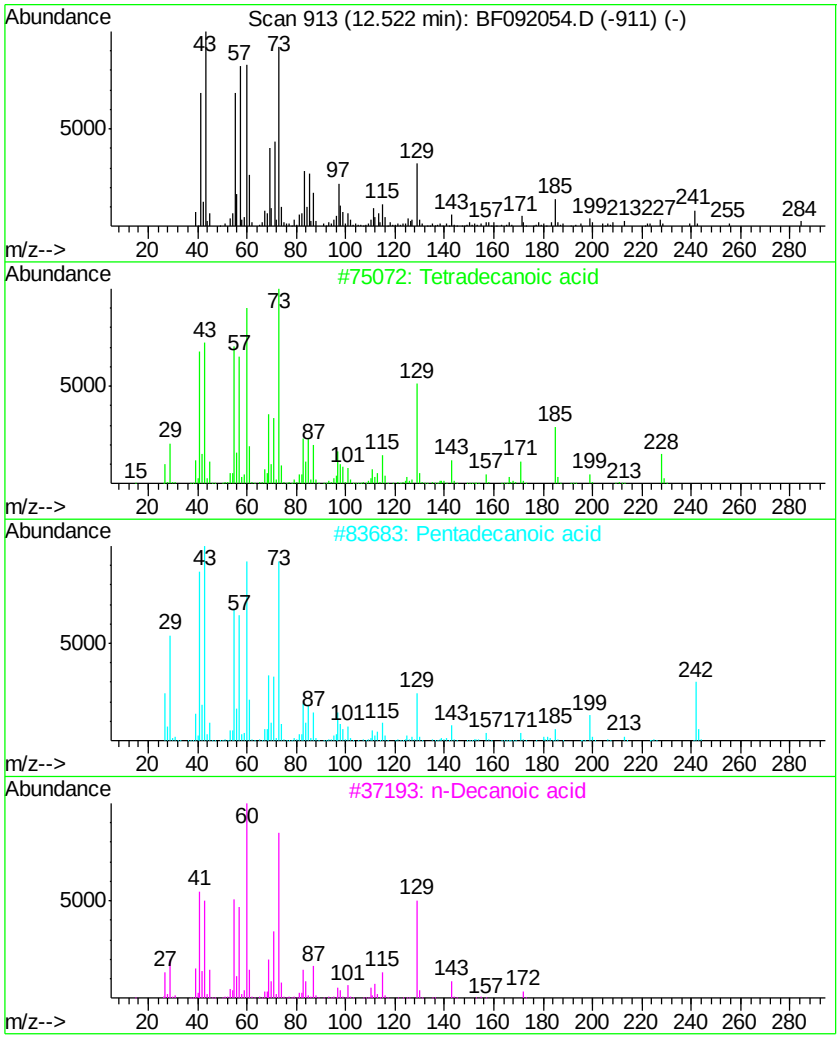
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

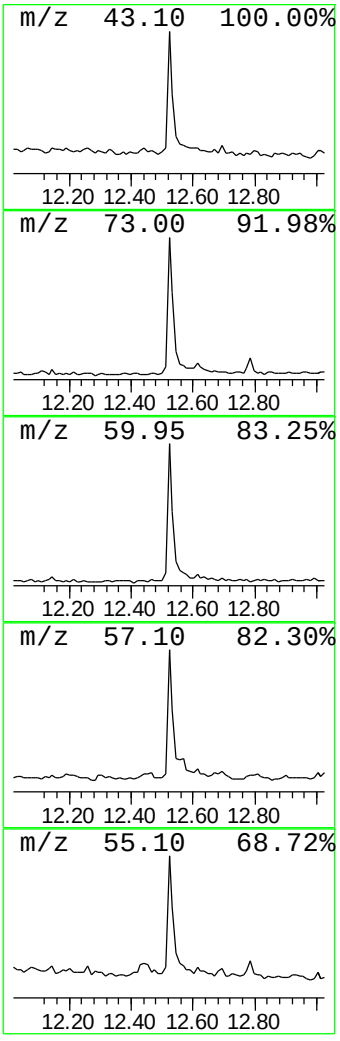
****

Peak Number 20 Tetradecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.15 ng	335966	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	n-Decanoic acid	172	C10H20O2	000334-48-5	55
4	Tetradecane	198	C14H30	000629-59-4	11
5	Undecane	156	C11H24	001120-21-4	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123016\
Data File : BF092054.D
Acq On : 30 Dec 2016 19:18
Operator : UM/SJ
Sample : H6318-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-05R

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...	4.82	11.0	ng	864002	1	6.68	1573760	20.0
unknown6.45	6.45	64.6	ng	5084850	1	6.68	1573760	20.0
unknown6.86	6.86	7.8	ng	613267	1	6.68	1573760	20.0
Benzene, 1,3-diet...	6.93	4.8	ng	381552	1	6.68	1573760	20.0
Benzene, 1,2-diet...	7.02	6.1	ng	483041	1	6.68	1573760	20.0
Benzene, 1,2,4,5-...	7.46	5.0	ng	723030	2	7.96	2893480	20.0
4'-Methylpropioph...	7.63	5.3	ng	768397	2	7.96	2893480	20.0
Benzene, 1,2,3,4-...	7.71	5.3	ng	764042	2	7.96	2893480	20.0
Naphthalene, 1,2,...	8.17	5.3	ng	763606	2	7.96	2893480	20.0
Tetratetracontane	8.41	7.0	ng	1016390	2	7.96	2893480	20.0
unknown8.64	8.64	5.2	ng	747959	2	7.96	2893480	20.0
2(1H)-Naphthaleno...	8.75	9.2	ng	1336950	2	7.96	2893480	20.0
1,4-Methanonaphth...	8.77	7.0	ng	1017850	2	7.96	2893480	20.0
unknown8.92	8.92	5.5	ng	690547	3	9.72	2514300	20.0
Naphthalene, 2,6-...	9.38	4.9	ng	613393	3	9.72	2514300	20.0
Benzoic acid, 2,4...	9.57	5.0	ng	623165	3	9.72	2514300	20.0
unknown10.74	10.74	5.2	ng	449393	4	11.20	1720770	20.0
n-Hexadecanoic acid	11.74	6.9	ng	591874	4	11.20	1720770	20.0
Tetradecanoic acid	12.52	5.2	ng	335966	5	13.83	1305000	20.0