LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

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-BF101015.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	4.937	241	245	247	rBV	1168767	1627094	33.94%	1.586%
2	5.189	265	267	270	rBV	175497	174301	3.64%	0.170%
3	5.303	275	277	282	rVV	402325	496493	10.36%	0.484%
4	5.383	282	284	292	rVV	889835	1466238	30.59%	1.429%
5	5.566	298	300	305	rVB2	548521	700243	14.61%	0.683%
6	6.012	337	339	341	rBV	448055	359680	7.50%	0.351%
7	6.057	341	343	350	rVB2	63155	131604	2.75%	0.128%
8	6.206	350	356	358	rBV3	59698	131573	2.74%	0.128%
9	6.355	366	369	371	rVB2	111035	145064	3.03%	0.141%
10	6.435	373	376	379	rBV2	1435884	2401059	50.09%	2.340%
11	6.537	383	385	387	rVV	1581709	1640410	34.22%	1.599%
12	6.583	387	389	391	rVB	208965	244776	5.11%	0.239%
13	6.755	402	404	407	rBV	593033	750999	15.67%	0.732%
14	6.835	407	411	413	rBV	1473157	1597297	33.32%	1.557%
15	6.880	413	415	416	rVB	818883	1092493	22.79%	1.065%
16	6.915	416	418	422	rVB	1661444	1660764	34.65%	1.619%
17	6.995	422	425	426	rBV	225126	310617	6.48%	0.303%
18	7.029	426	428	430	rVB2	83647	133612	2.79%	0.130%
19	7.097	430	434	436	rBV2	97390	172567	3.60%	0.168%
20	7.177	436	441	443	rBV	1819581	1896663	39.57%	1.849%
21	7.303	449	452	453	rBV	214099	291793	6.09%	0.284%
22	7.337	453	455	456	rVV	1158262	1209484	25.23%	1.179%
23	7.383	456	459	462	rVB	3592629	4793534	100.00%	4.673%
24	7.520	463	471	474	rBV2	1549374	2040882	42.58%	1.989%
25	7.680	483	485	488	rBV3	84973	131012	2.73%	0.128%
26	7.795	491	495	496	rBV3	323314	454301	9.48%	0.443%
27	7.829	496	498	499	rVV2	310050	342402	7.14%	0.334%
28	7.863	499	501	502	rVV2	179116	254523	5.31%	0.248%
29	7.898	502	504	505	rVV2	90881	143459	2.99%	0.140%
30	7.966	507	510	513	rVV	1903475	2458766	51.29%	2.397%
31	8.058	516	518	519	rVV	700164	1176751	24.55%	1.147%
32	8.080	519	520	524	rVV2	817587	1188026	24.78%	1.158%
33	8.138	524	525	529	rVB	242547	272968	5.69%	0.266%
34	8.218	529	532	536	rVB	2587252	3083783	64.33%	3.006%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

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-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.309	536	540	542	rBV3	171560	237671	4.96%	0.232%
36	8.378	544	546	547	rBV	104226	154580	3.22%	0.151%
37	8.492	552	556	558	rBV2	633511	888382	18.53%	0.866%
38	8.538	558	560	561	rBV	307516	264916	5.53%	0.258%
39	8.572	561	563	566	rVB	374330	507233	10.58%	0.494%
40	8.640	567	569	573	rBV2	1449339	2080231	43.40%	2.028%
41	8.766	578	580	584	rVB3	226707	257719	5.38%	0.251%
42	8.869	585	589	593	rBV4	134761	275424	5.75%	0.268%
43	8.972	595	598	599	rBV3	171141	222212	4.64%	0.217%
44	9.006	599	601	605	rVB4	333468	461473	9.63%	0.450%
45	9.075	605	607	609	rBV2	438055	451404	9.42%	0.440%
46	9.132	609	612	614	rVB	2261632	2280347	47.57%	2.223%
47	9.212	616	619	620	rBV	513027	593606	12.38%	0.579%
48	9.258	620	623	626	rVB4	165396	456364	9.52%	0.445%
49	9.326	628	629	631	rBV2	90453	141208	2.95%	0.138%
50	9.406	631	636	638	rBV5	185017	576597	12.03%	0.562%
51	9.463	639	641	644	rBV3	370066	346711	7.23%	0.338%
52	9.543	645	648	650	rBV	1358989	1892811	39.49%	1.845%
53	9.623	653	655	657	rVB	618115	649572	13.55%	0.633%
54	9.681	657	660	662	rBV3	254946	545782	11.39%	0.532%
55	9.715	662	663	664	rVB	213088	146178	3.05%	0.142%
56	9.738	664	665	667	rBV2	510771	689532	14.38%	0.672%
57	9.806	667	671	673	rBV2	761734	1294536	27.01%	1.262%
58	9.886	676	678	679	rVB2	223533	216778	4.52%	0.211%
59	9.932	679	682	683	rBV2	296802	452628	9.44%	0.441%
60	9.966	683	685	686	rBV2	145868	215449	4.49%	0.210%
61	10.012	686	689	691	rVB2	352126	478986	9.99%	0.467%
62	10.058	691	693	695	rBV2	278389	493183	10.29%	0.481%
63	10.126	698	699	701	rBV2	392572	537440	11.21%	0.524%
64	10.241	705	709	711	rBV	1566947	2178187	45.44%	2.123%
65	10.309	712	715	717	rVB2	692862	917459	19.14%	0.894%
66	10.355	717	719	720	rBV2	351670	409450	8.54%	0.399%
67	10.423	723	725	726	rVB	374763	344688	7.19%	0.336%
68	10.481	726	730	732	rBV3	902467	1668960	34.82%	1.627%
69	10.515	732	733	735	rVB2	225593	243601	5.08%	0.237%
70	10.584	737	739	740	rBV2	226385	307679	6.42%	0.300%
71	10.629	741	743	745	rVB2	461764	470983	9.83%	0.459%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

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-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.732	749	752	755	rVB	1601290	2628911	54.84%	2.563%
73	10.789	755	757	759	rBV3	406580	695162	14.50%	0.678%
74	10.824	759	760	762	rBV2	364896	358338	7.48%	0.349%
75	10.858	762	763	764	rBV	234413	222173	4.63%	0.217%
76	10.892	764	766	768	rBV	1106529	1091338	22.77%	1.064%
77	11.178	788	791	792	rBV2	1055738	1863192	38.87%	1.816%
78	11.326	800	804	806	rBV2	1405776	2671891	55.74%	2.604%
79	11.384	808	809	810	rVV	413943	299740	6.25%	0.292%
80	11.418	810	812	815	rVV4	287801	450962	9.41%	0.440%
81	11.475	815	817	819	rBV	1273915	1299205	27.10%	1.266%
82	11.544	821	823	826	rVB2	529685	849543	17.72%	0.828%
83	11.601	826	828	830	rBV2	1013795	1155228	24.10%	1.126%
84	11.806	844	846	847	rBV	355515	398047	8.30%	0.388%
85	11.841	847	849	851	rVV2	731269	956738	19.96%	0.933%
86	11.921	852	856	860	rVB3	954801	2067197	43.12%	2.015%
87	12.012	862	864	865	rBV	527845	632292	13.19%	0.616%
88	12.241	882	884	886	rBV	1598077	2344247	48.90%	2.285%
89	12.275	886	887	892	rVB2	785986	1534486	32.01%	1.496%
90	12.367	892	895	897	rBV3	735468	1670372	34.85%	1.628%
91	12.538	907	910	911	rBV	2657112	3340997	69.70%	3.257%
92	12.561	911	912	915	rVB	599026	893599	18.64%	0.871%
93	12.767	927	930	933	rBV2	2603615	4686015	97.76%	4.568%
94	12.904	940	942	946	rVB	1620243	2028263	42.31%	1.977%
95	13.498	992	994	996	rBV	494415	733350	15.30%	0.715%
96	13.990	1035	1037	1040	rBV3	2395585	3976096	82.95%	3.876%
97	15.235	1144	1146	1152	rVB2	1040904	2229173	46.50%	2.173%
98	16.195	1228	1230	1231	rBV	418406	604038	12.60%	0.589%
99	16.607	1264	1266	1272	rVB2	473469	1125401	23.48%	1.097%
100	17.384	1332	1334	1338	rVB	270002	458658	9.57%	0.447%

Sum of corrected areas: 102589843

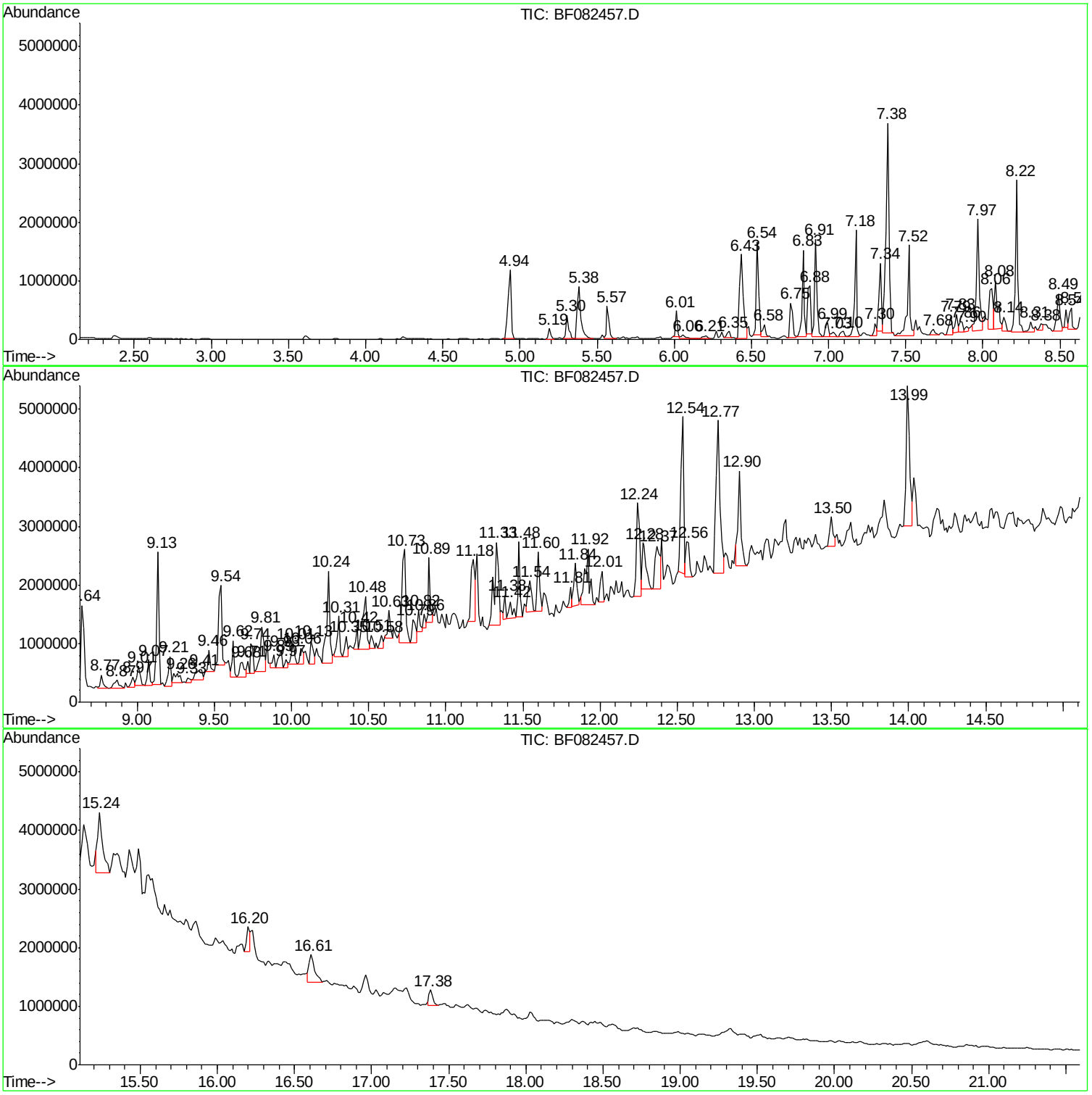
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

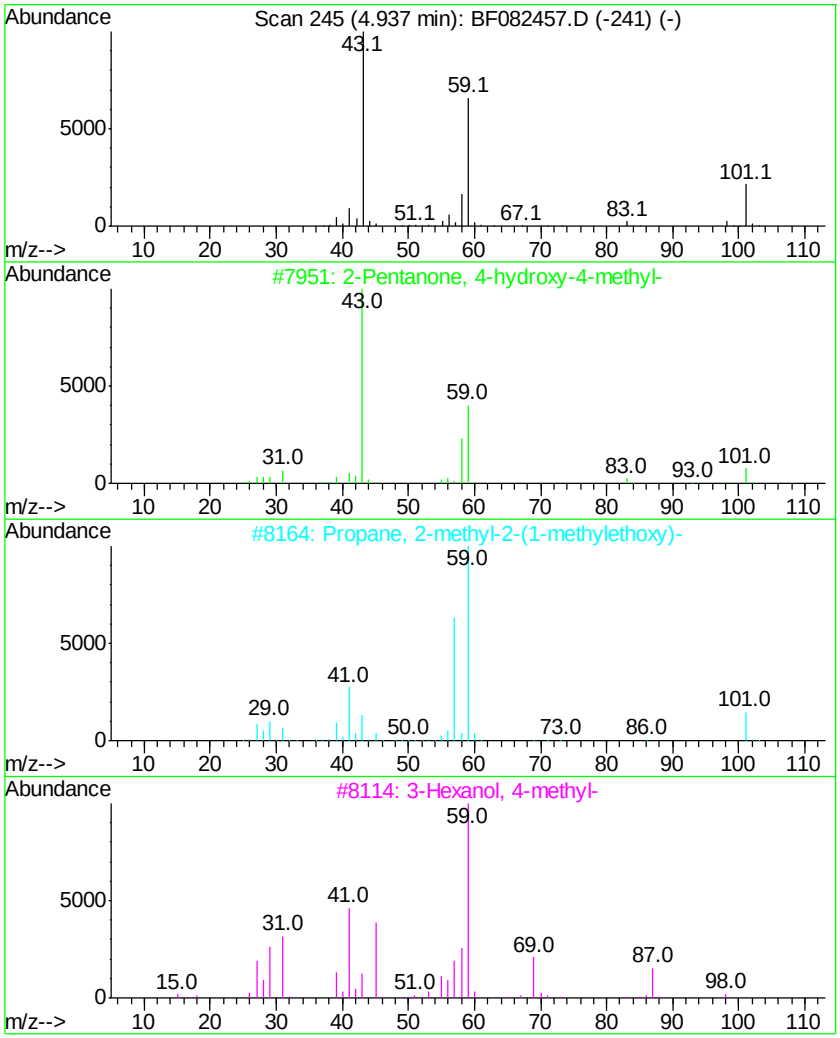
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

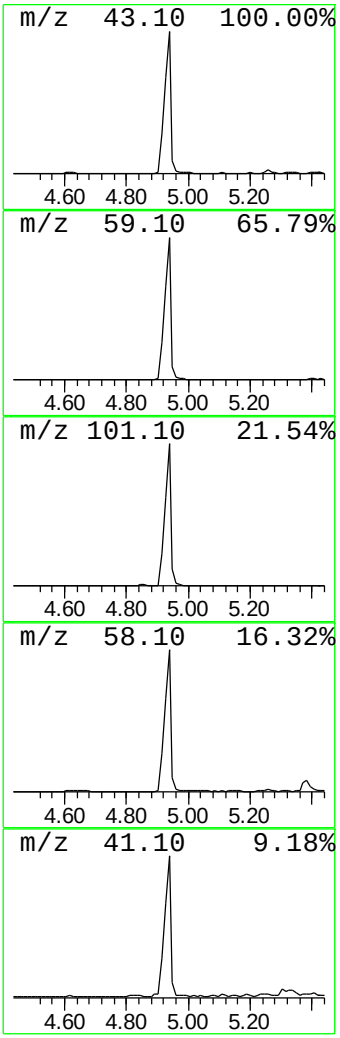
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	43.33 ng	1627090	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	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

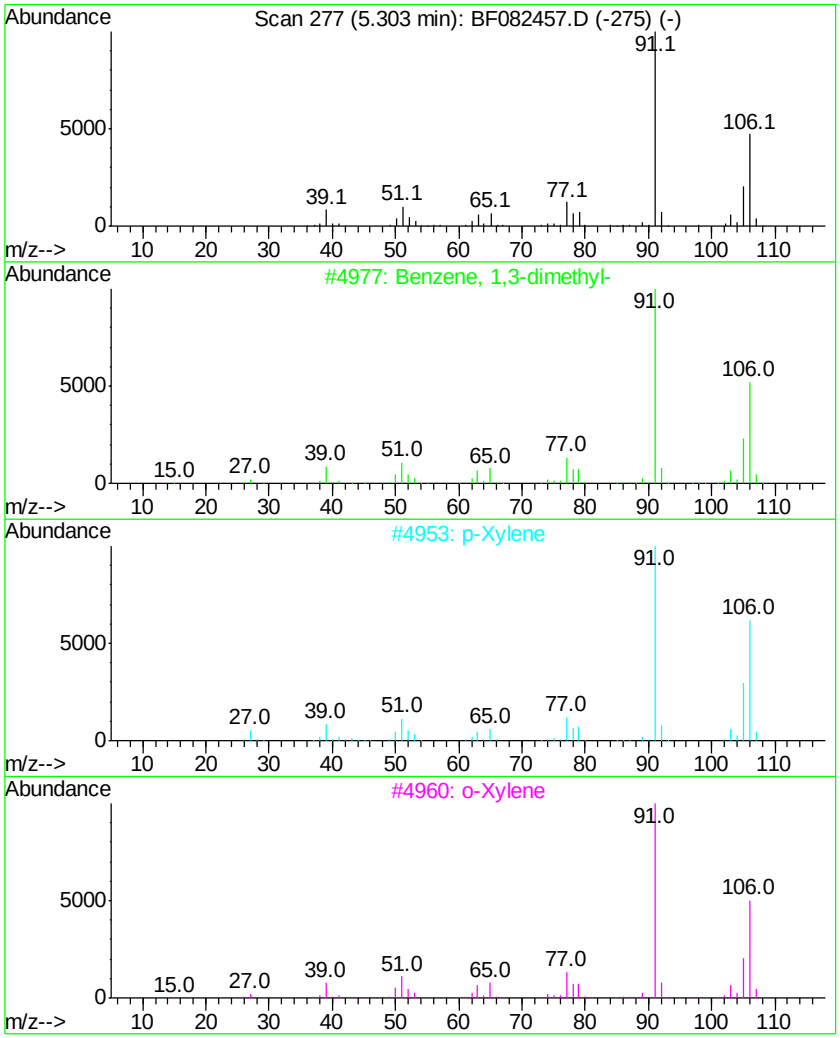
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

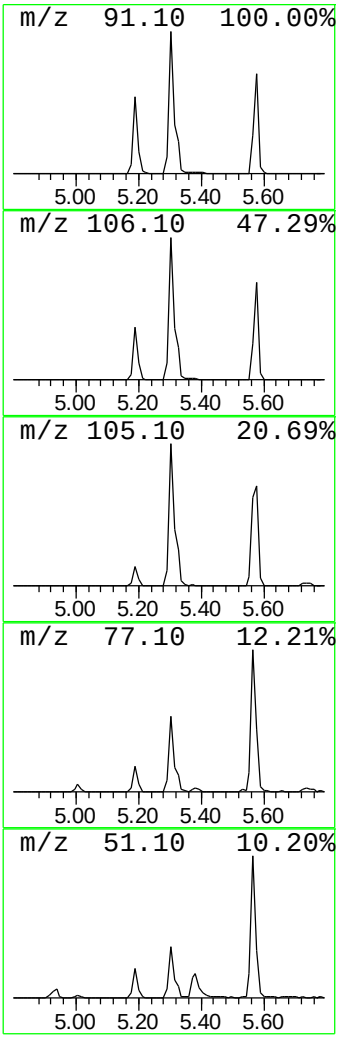
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.30	13.22 ng	496493	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	86
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

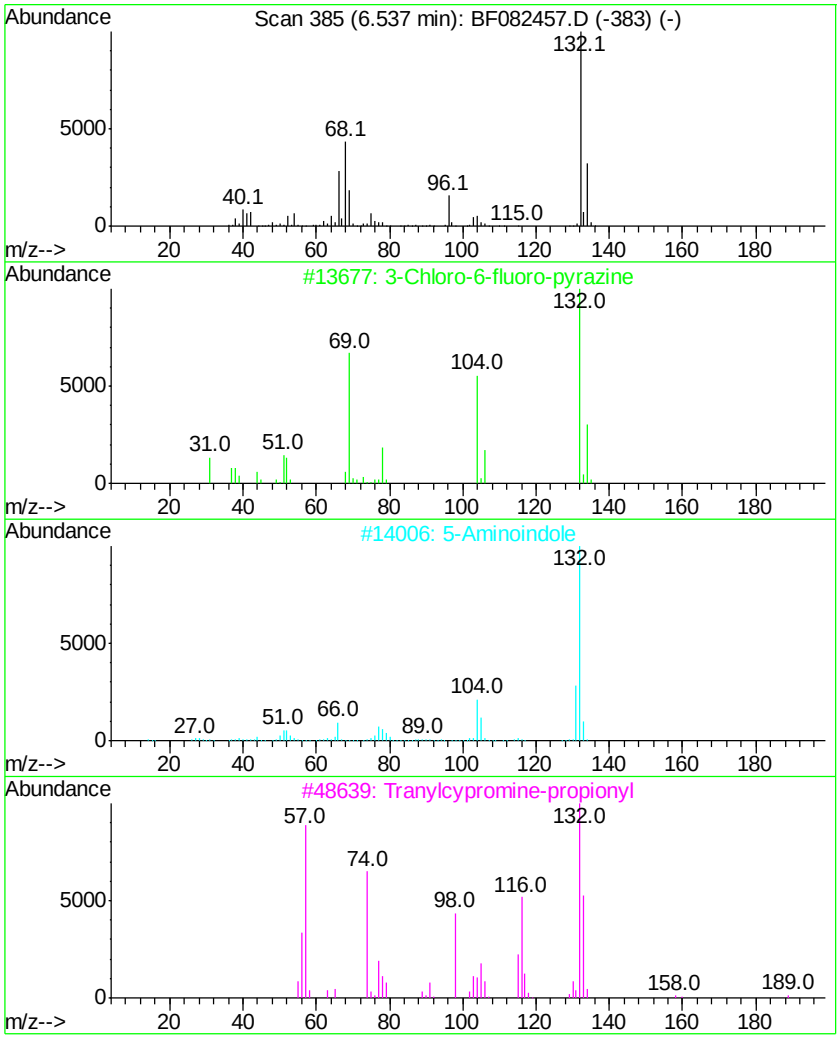
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

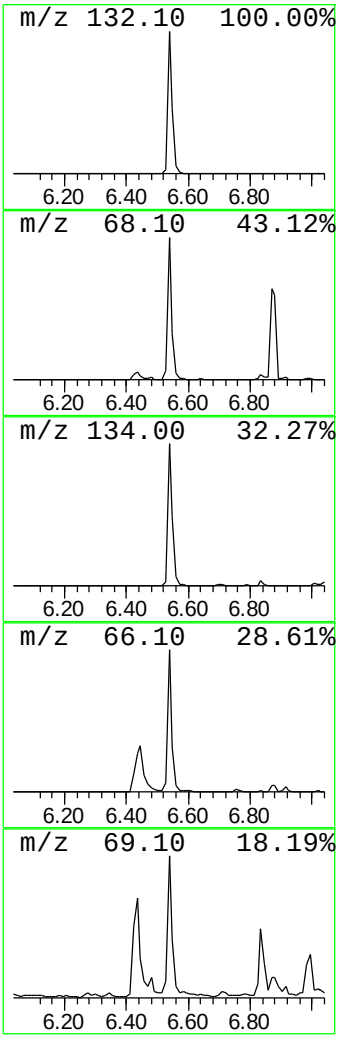
****

Peak Number 4 unknown6.54 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	43.69 ng	1640410	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	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

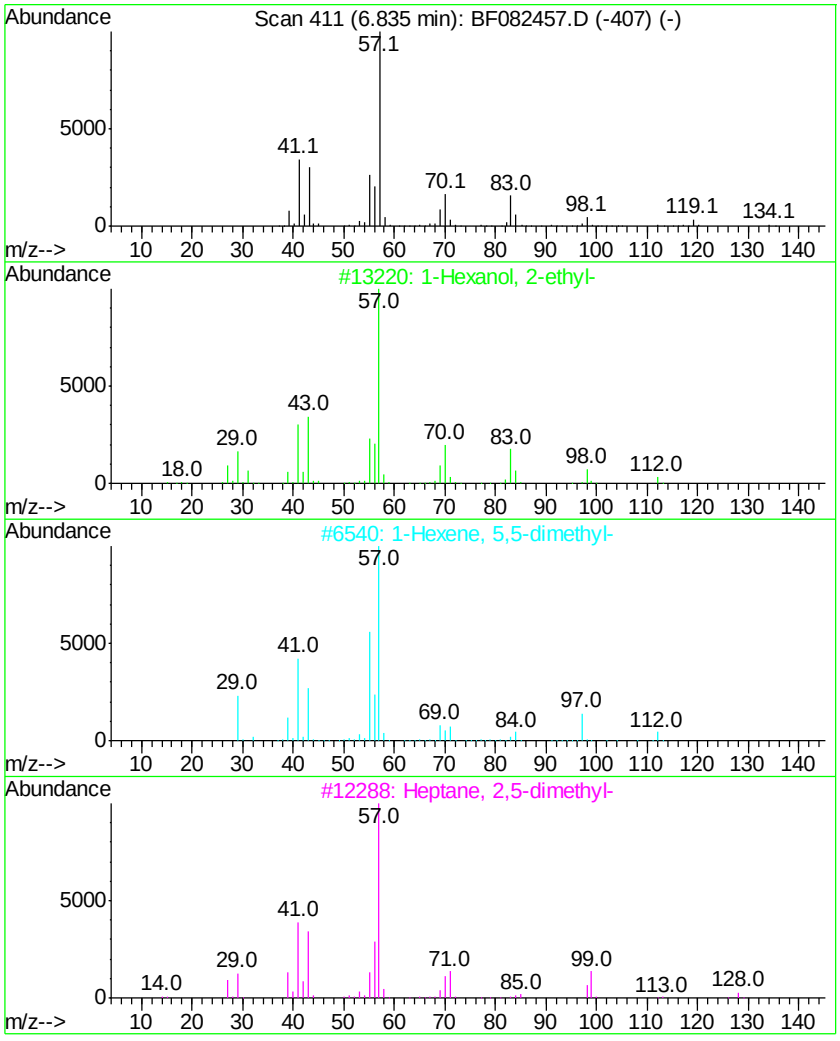
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

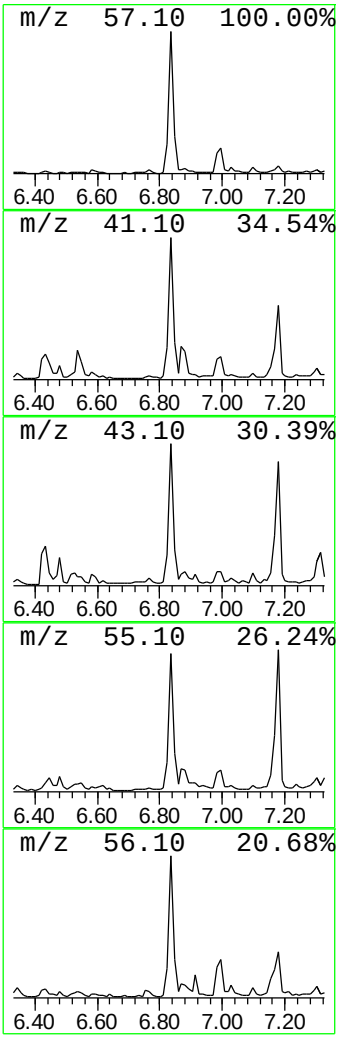
****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	42.54 ng	1597300	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	53
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	45
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

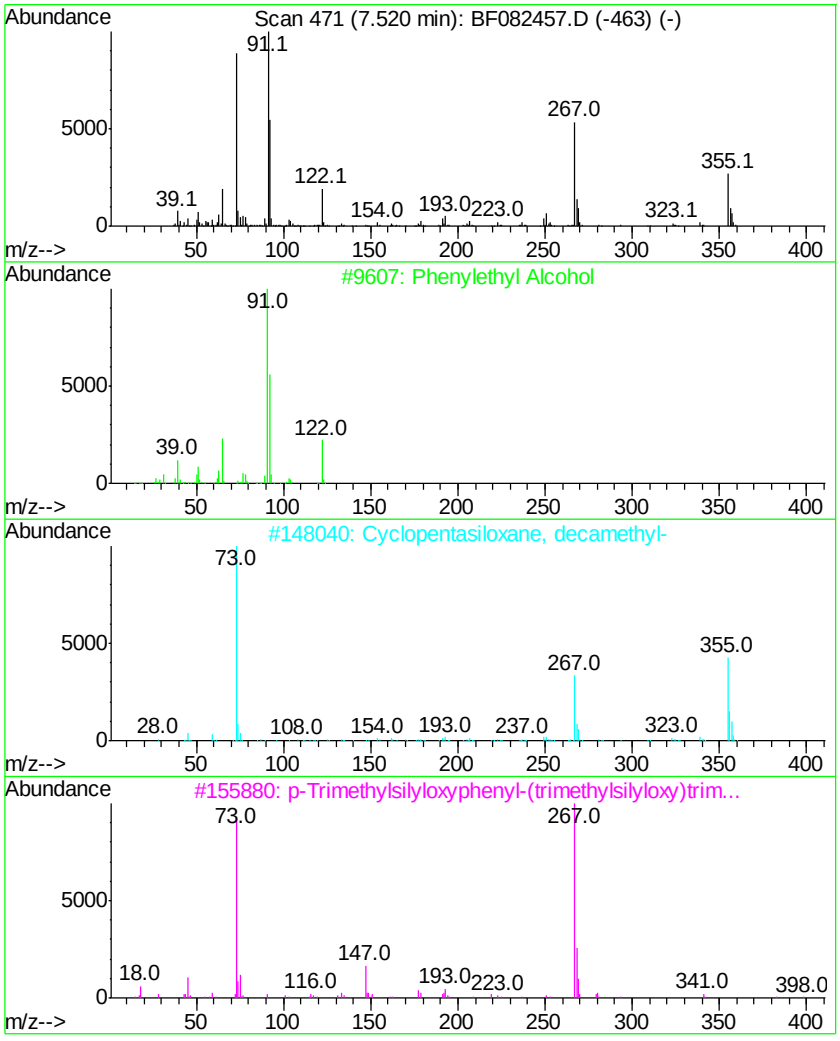
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

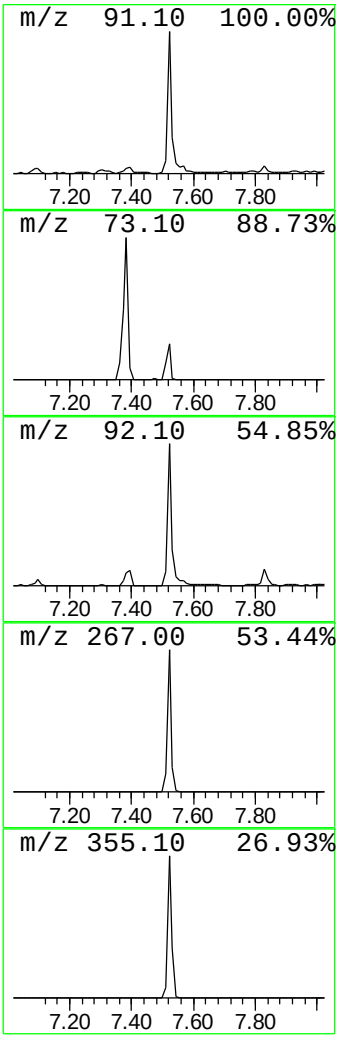
****

Peak Number 6 Phenylethyl Alcohol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	34.69 ng	2040880	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenylethyl Alcohol	122	C8H10O	000060-12-8	68
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	38
3	p-Trimethylsilyloxyphenyl-(trime...	398	C18H34O4Si3	1000079-05-1	25
4	Toluene	92	C7H8	000108-88-3	25
5	7H-Dibenzo(a,g)carbazole	267	C20H13N	000207-84-1	18





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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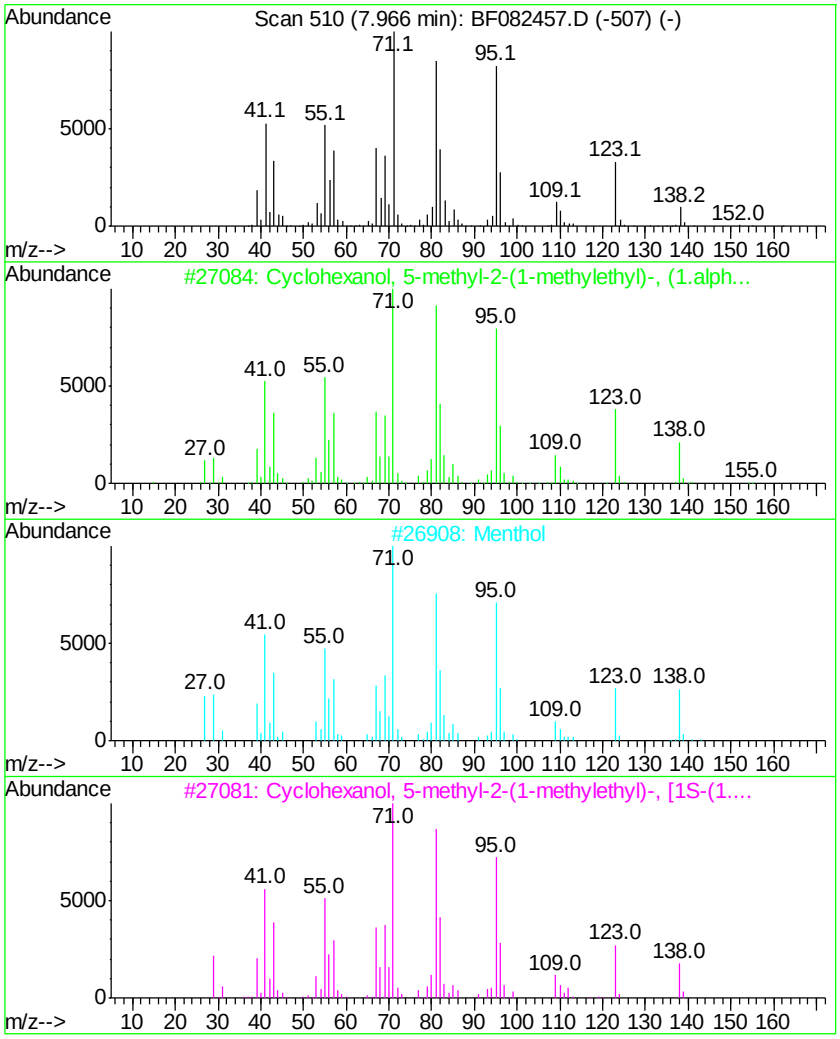
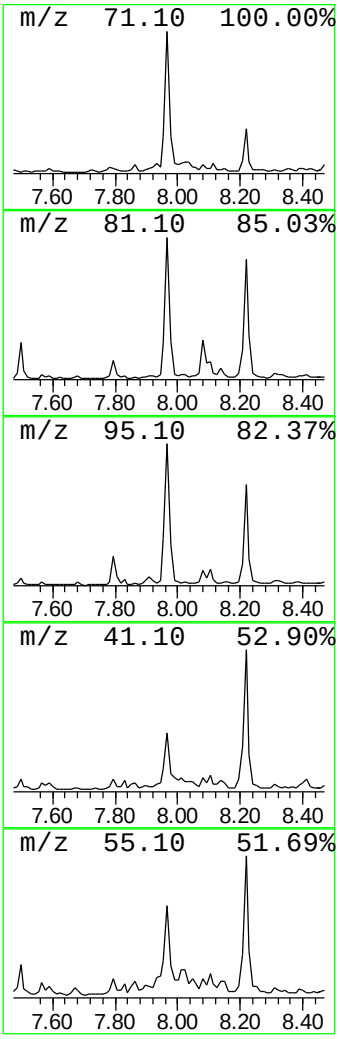
Peak Number 7 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	41.79 ng	2458770	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	91
2	Menthol	156	C10H20O	001490-04-6	90
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	90
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	87
5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-60-2	86





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Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

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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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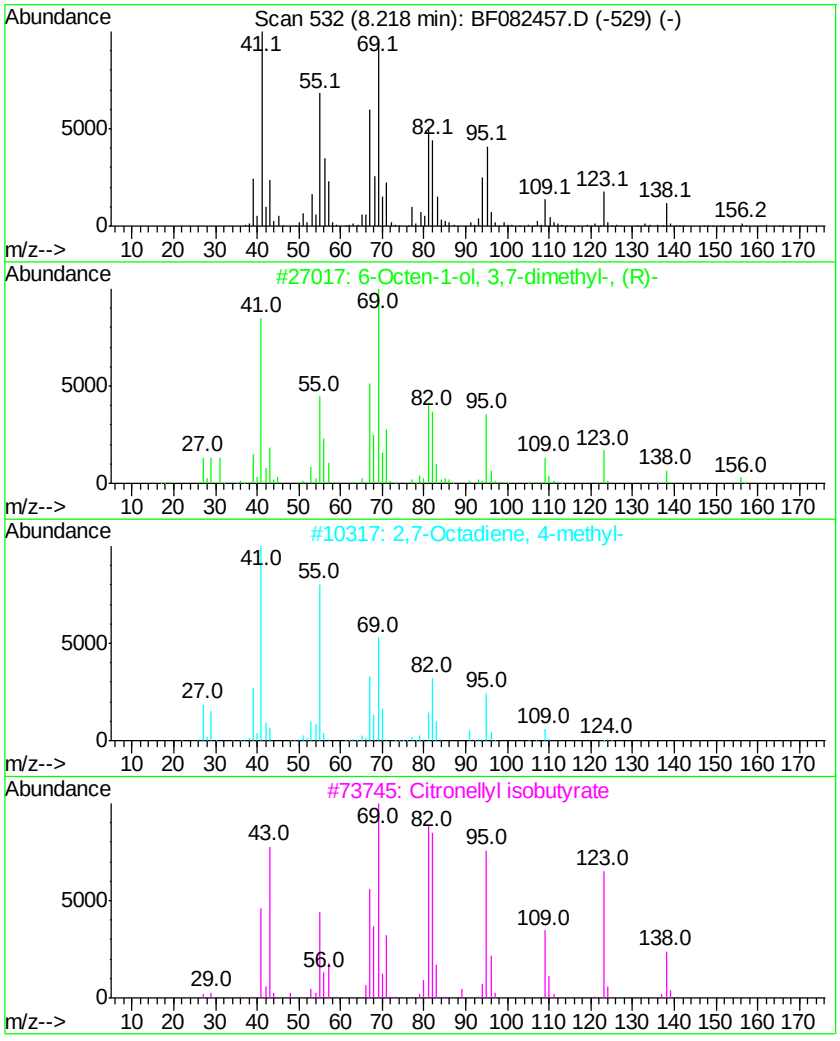
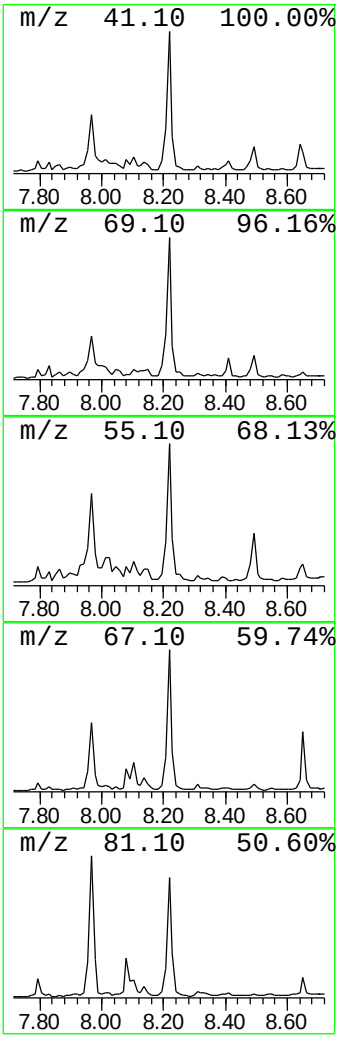
Peak Number 8 6-Octen-1-ol, 3,7-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	52.41 ng	3083780	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octen-1-ol, 3,7-dimethyl-, (R)-	156	C10H20O	001117-61-9	86
2	2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	74
3	Citronellyl isobutyrate	226	C14H26O2	000097-89-2	72
4	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	46
5	6-Octen-1-ol, 3,7-dimethyl-	156	C10H20O	000106-22-9	46





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

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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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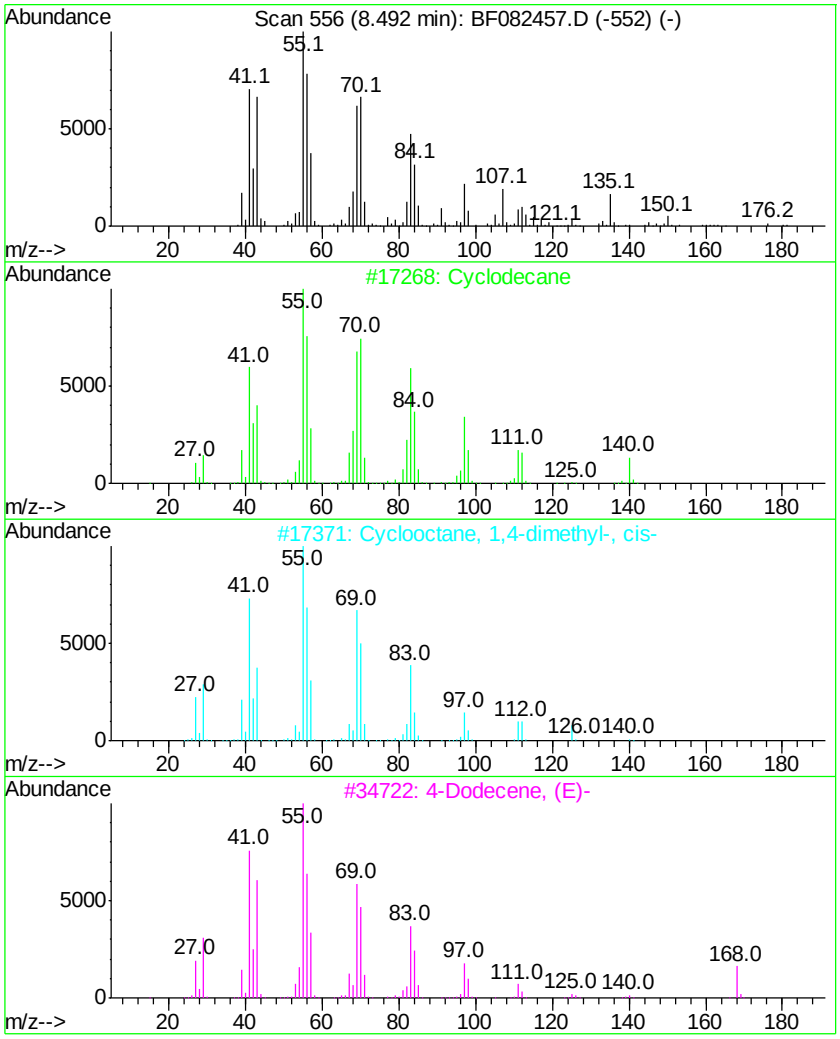
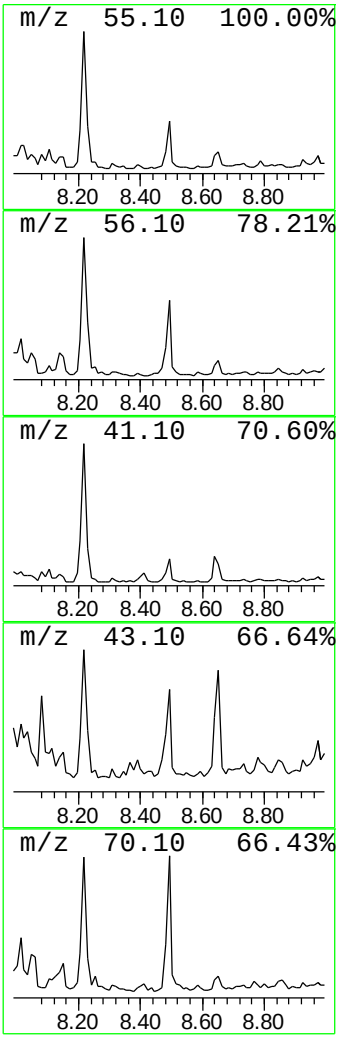
Peak Number 9 Cyclodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	15.10 ng	888382	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecane	140	C10H20	000293-96-9	91
2	Cyclooctane, 1,4-dimethyl-, cis-	140	C10H20	013151-99-0	89
3	4-Dodecene, (E)-	168	C12H24	007206-15-7	80
4	4-Dodecene, (Z)-	168	C12H24	007206-27-1	80
5	1-Undecanol	172	C11H24O	000112-42-5	80





Library Search Compound Report

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Sample : G4119-01
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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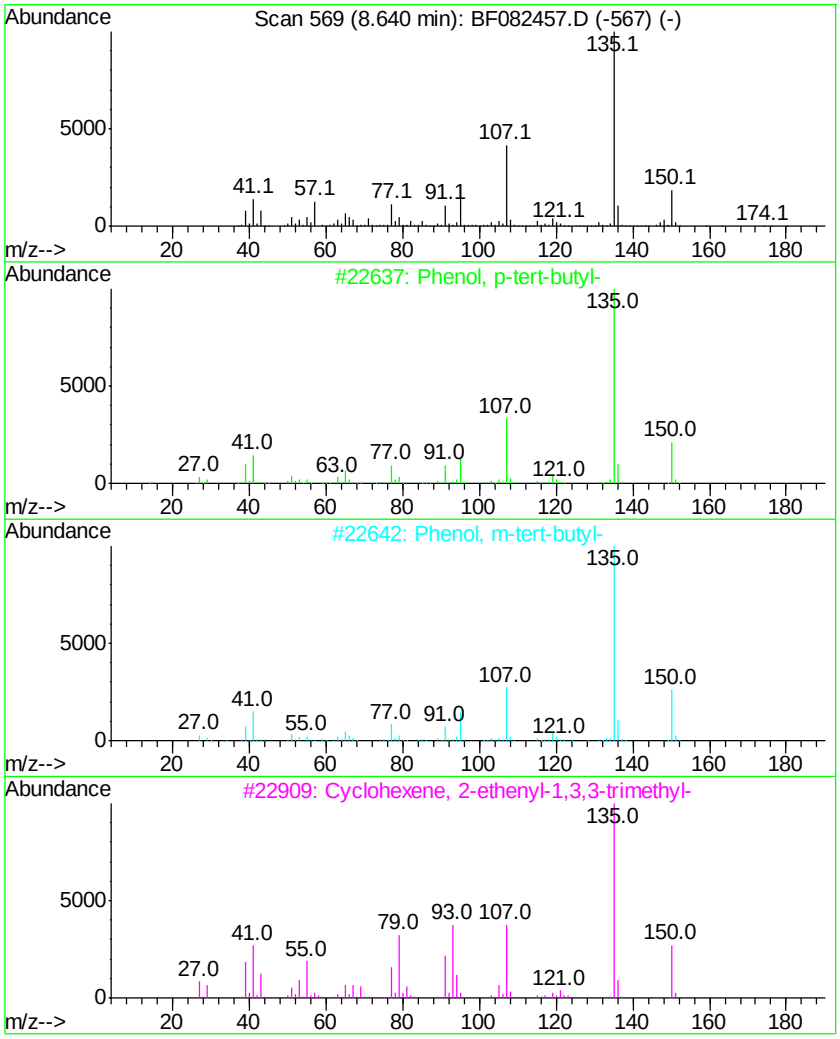
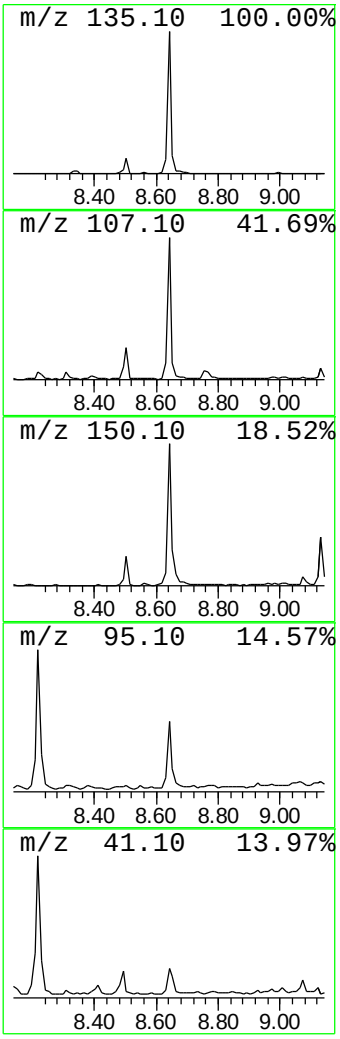
Peak Number 10 Phenol, p-tert-butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	35.36 ng	2080230	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	96
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	93
3	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	59
4	Acetophenone, 4'-methoxy-	150	C9H10O2	000100-06-1	50
5	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	50





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Operator : UM/IZ
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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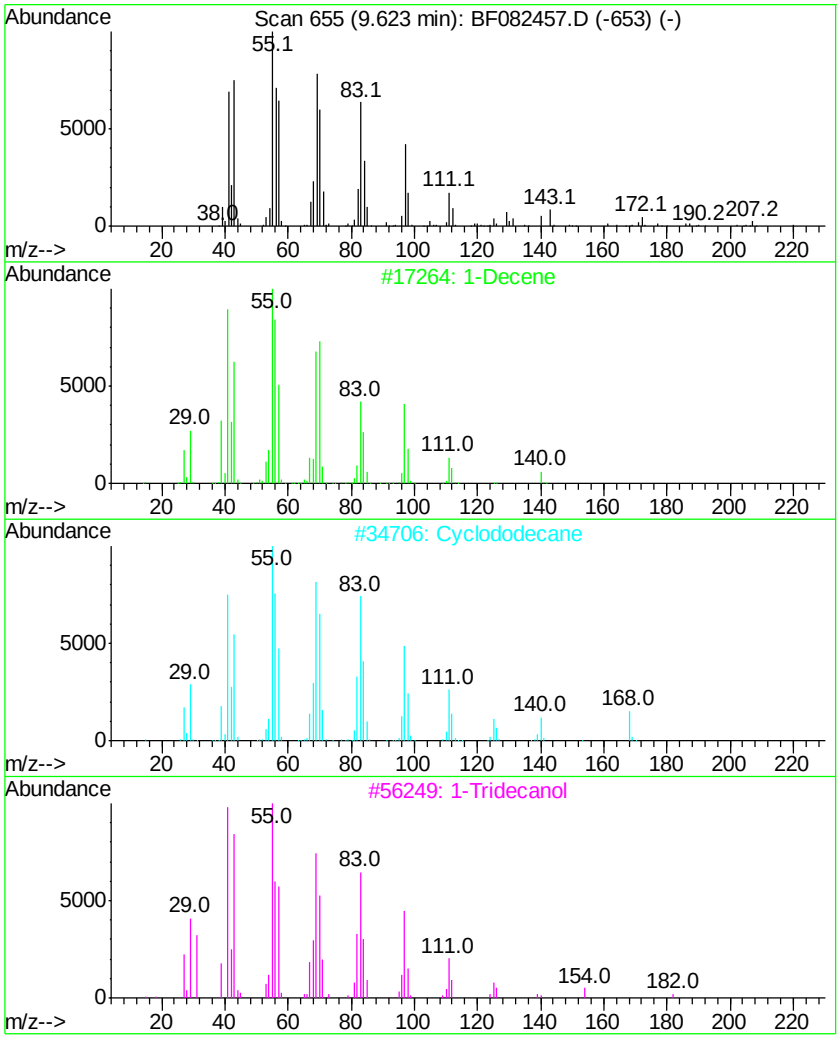
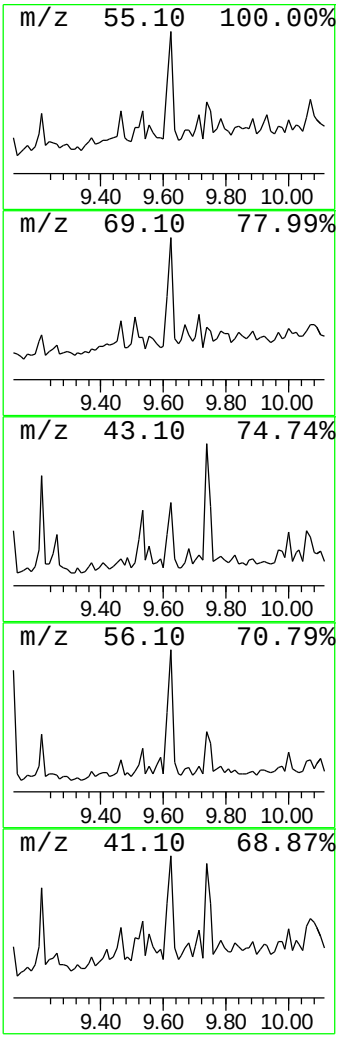
Peak Number 11 1-Decene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	10.04 ng	649572	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	94
2	Cyclododecane	168	C12H24	000294-62-2	94
3	1-Tridecanol	200	C13H28O	000112-70-9	91
4	1-Dodecanol	186	C12H26O	000112-53-8	90
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	1000280-07-5	90





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

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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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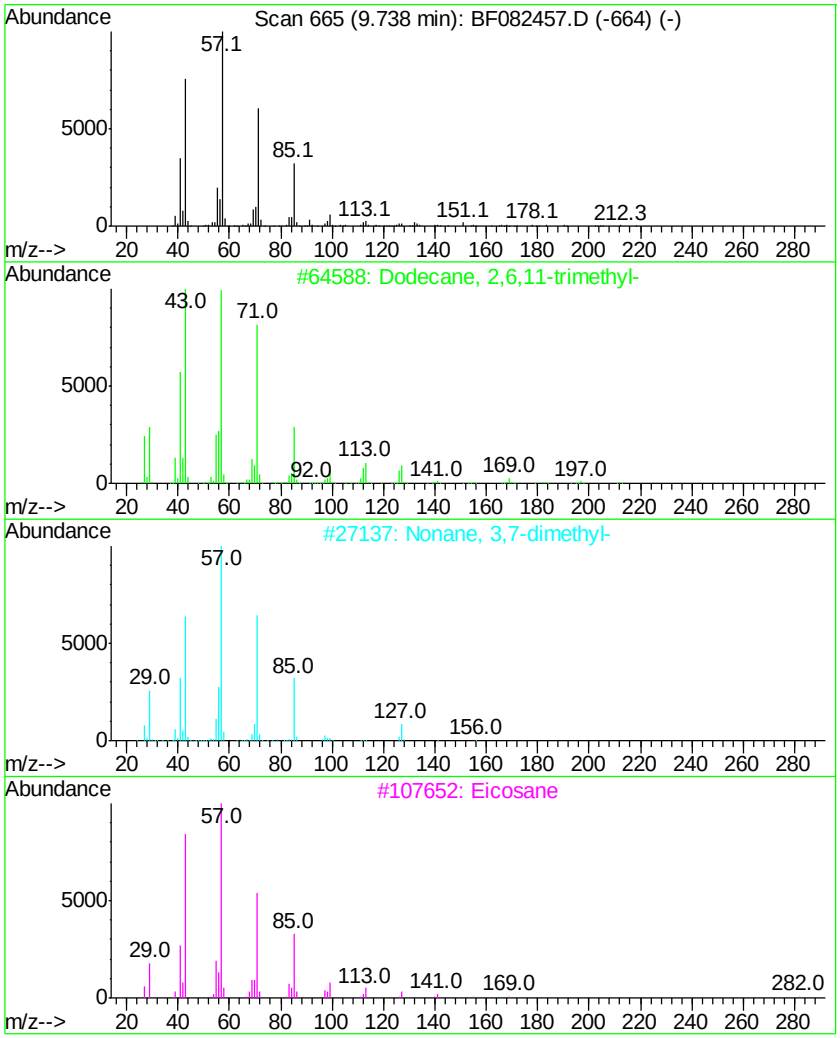
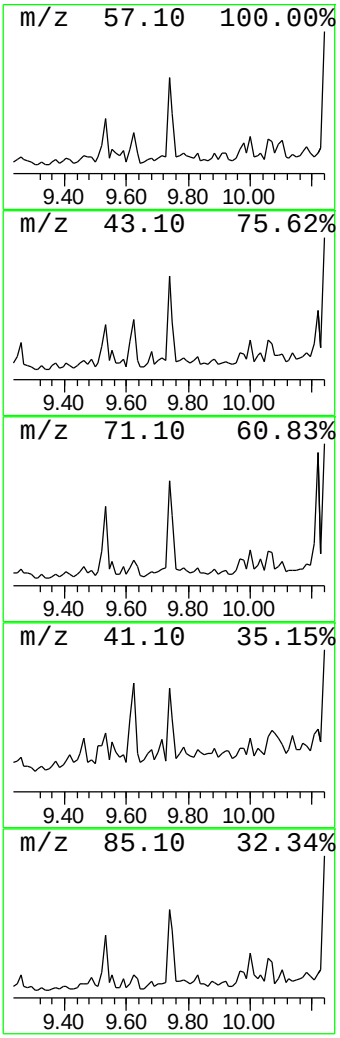
Peak Number 12 Dodecane, 2,6,11-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	10.65 ng	689532	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	80
3	Eicosane	282	C20H42	000112-95-8	72
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	59





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Operator : UM/IZ
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Misc :
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ClientSampleId : SB15-45-2.5-3

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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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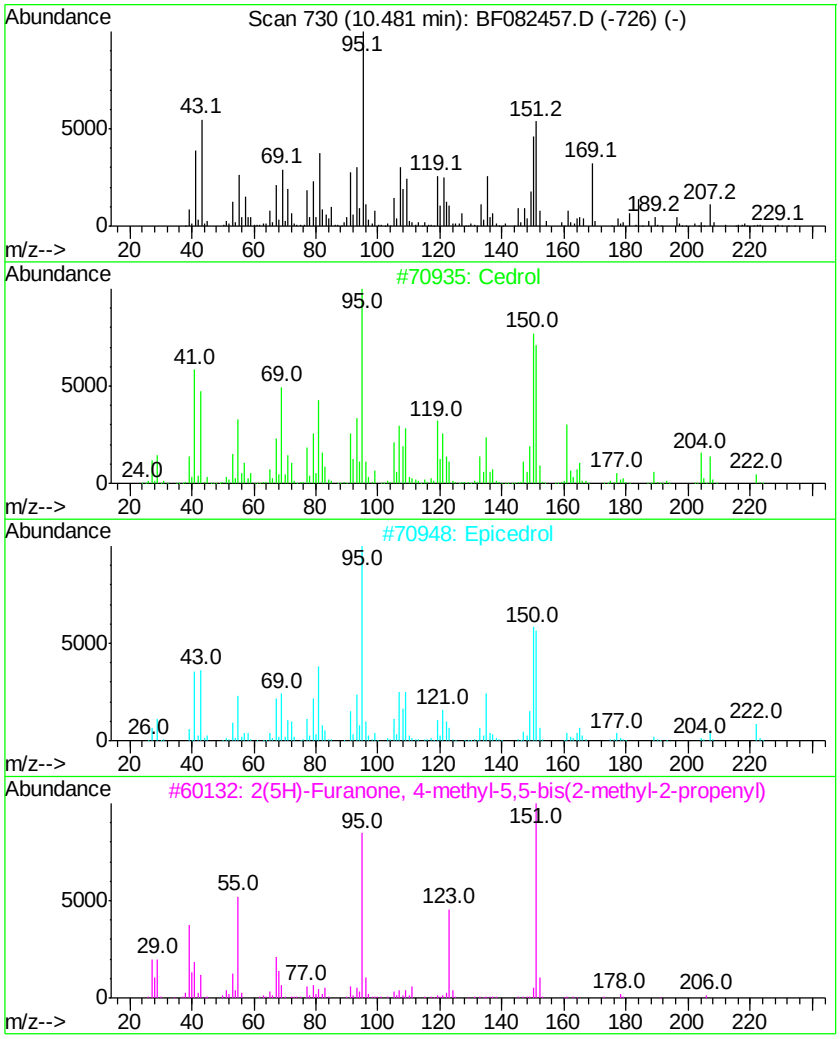
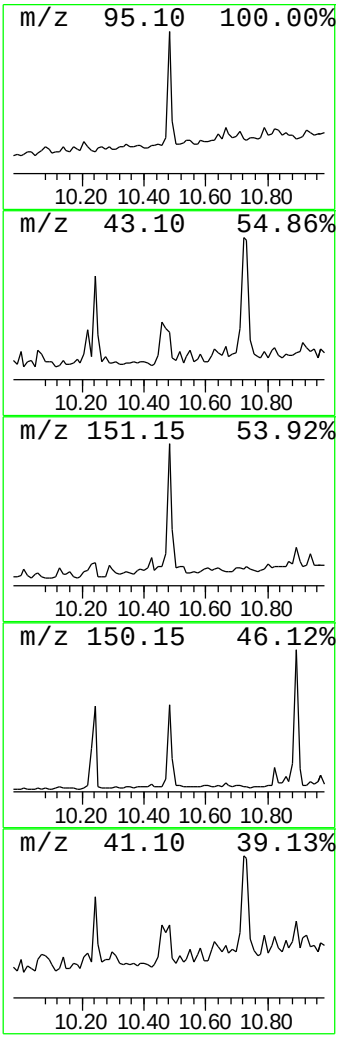
Peak Number 13 Cedrol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	25.78 ng	1668960	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cedrol	222	C15H26O	000077-53-2	93
2	Epicedrol	222	C15H26O	1000156-22-8	91
3	2(5H)-Furanone, 4-methyl-5,5-bis...	206	C13H18O2	099202-98-9	35
4	Cyclohexanol, 2-methylene-6-methyl-	126	C8H14O	1000196-32-3	22
5	Cis-3-ethyl-endo-tricyclo[5.2.1....	164	C12H20	1000215-29-1	22





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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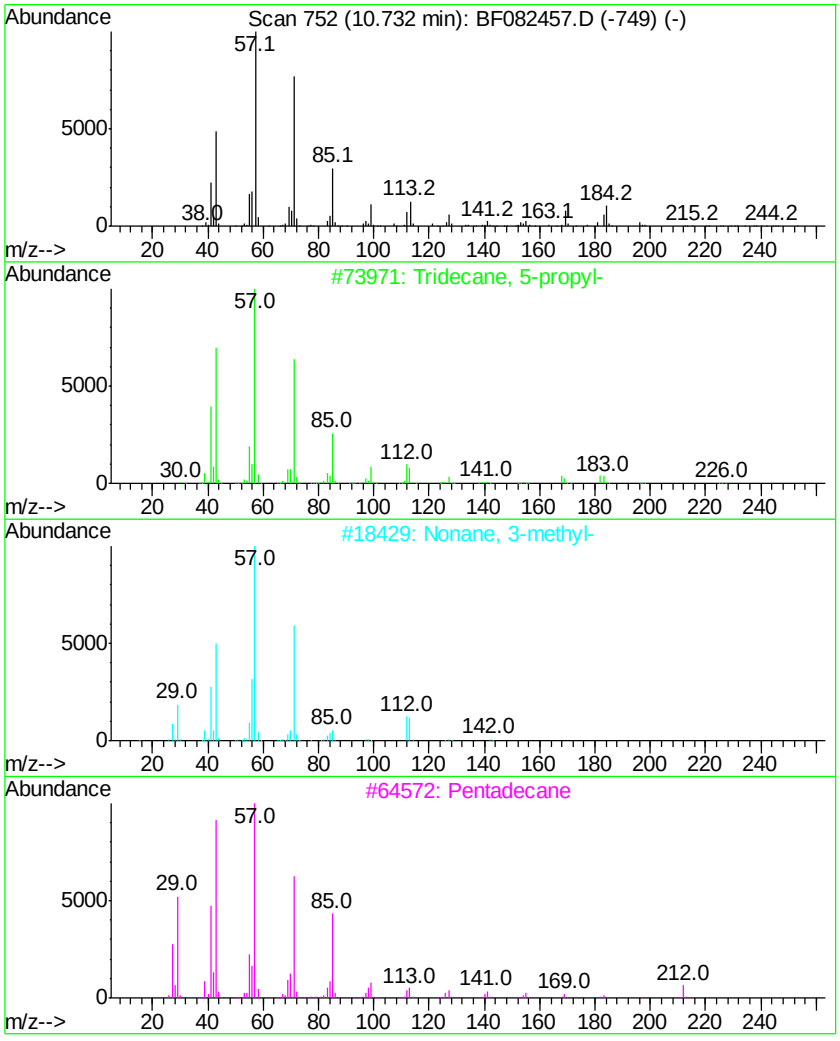
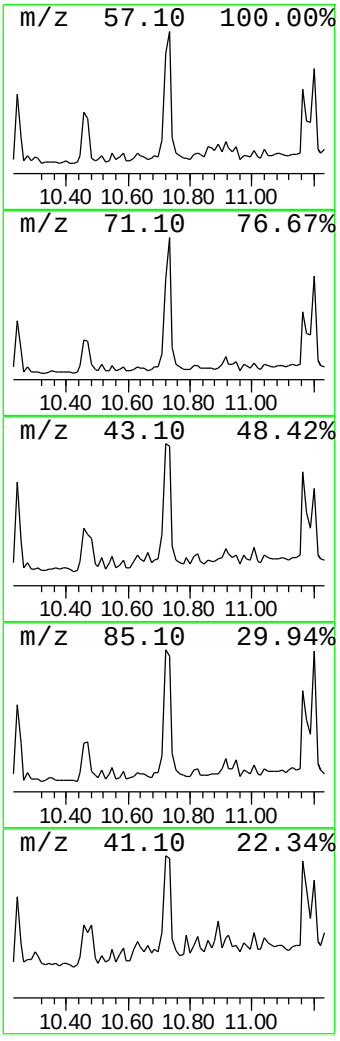
Peak Number 14 Tridecane, 5-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	19.68 ng	2628910	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	62
3	Pentadecane	212	C15H32	000629-62-9	53
4	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	52
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	52





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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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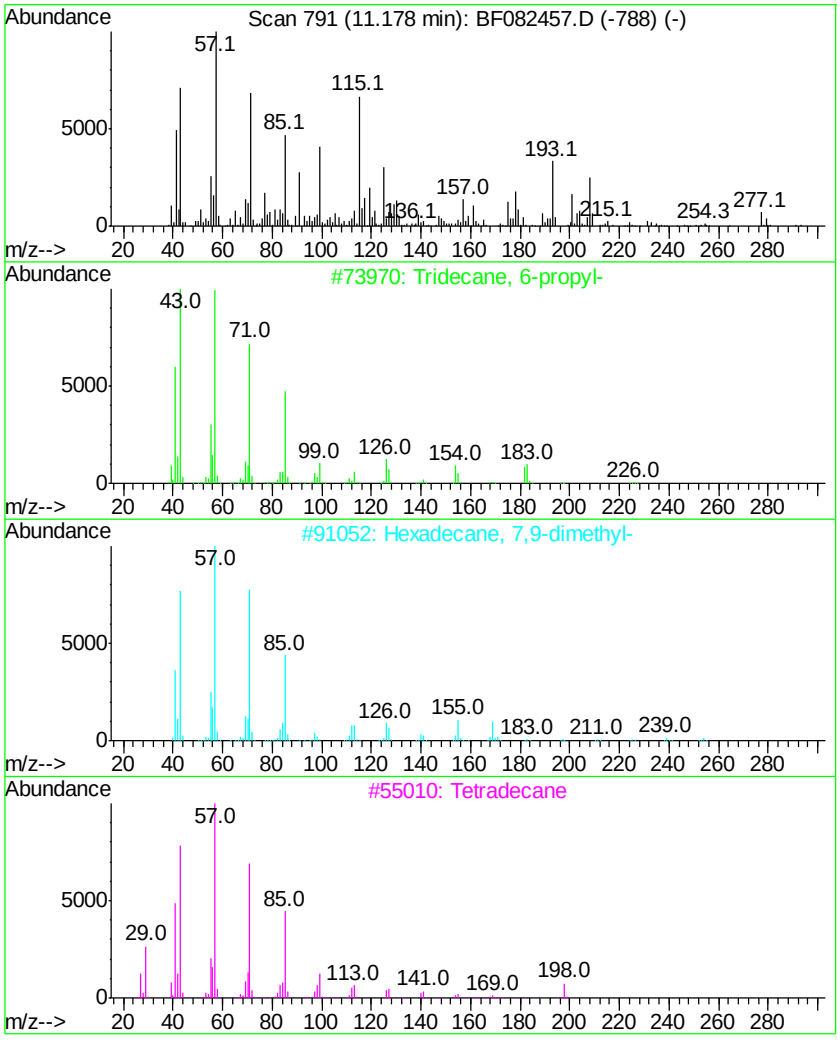
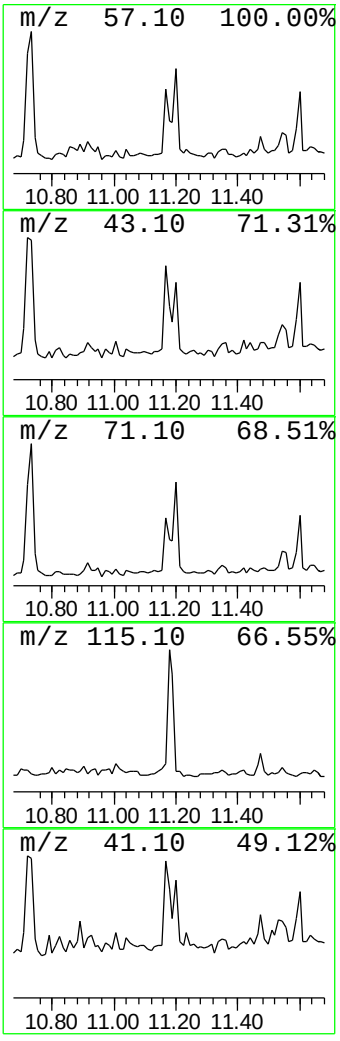
Peak Number 15 unknown11.18 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	13.95 ng	1863190	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	48
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	42
3	Tetradecane	198	C14H30	000629-59-4	30
4	Heptadecane	240	C17H36	000629-78-7	25
5	Hexadecane	226	C16H34	000544-76-3	25





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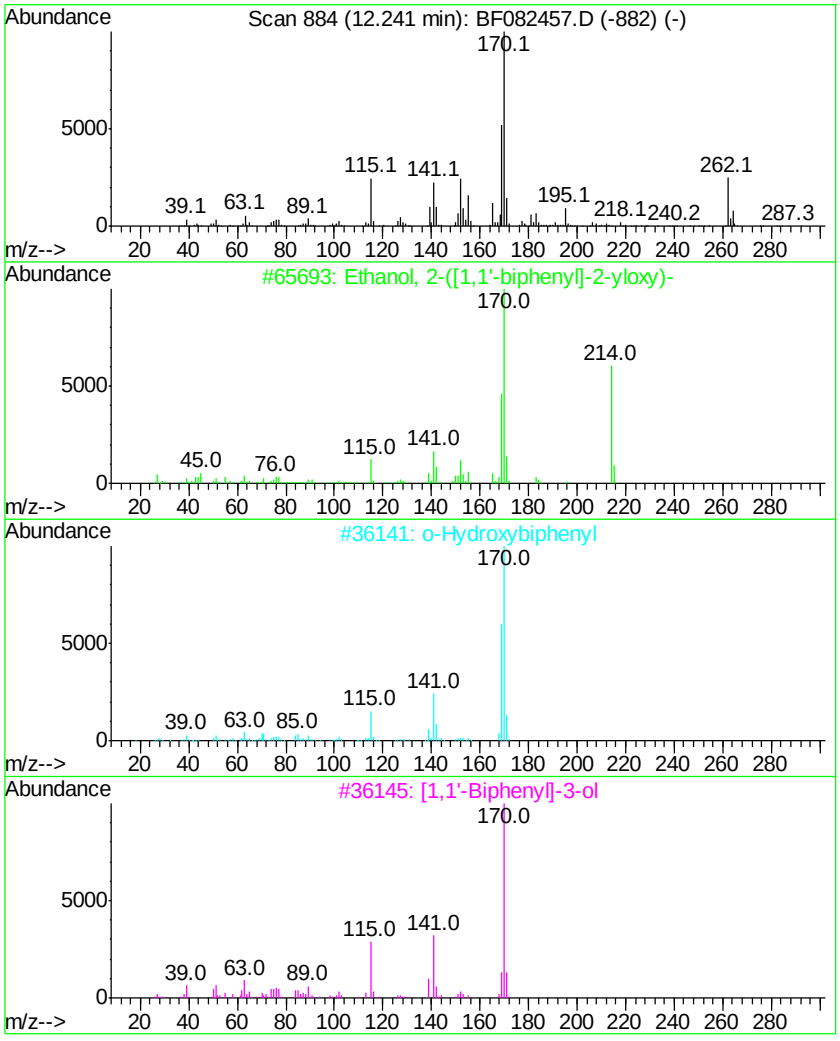
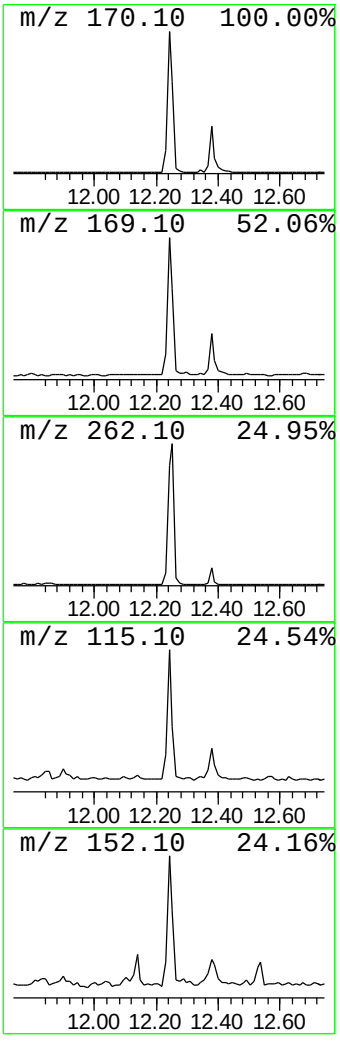
Peak Number 16 Ethanol, 2-([1,1'-biphenyl]... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	17.55 ng	2344250	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-([1,1'-biphenyl]-2-yl...	214	C14H14O2	007501-02-2	64
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	62
3	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	49
4	5-Methyl-thieno[2,3-d]thiazol-2-...	170	C6H6N2S2	041940-59-4	47
5	2,3-Dihydro-1H-cyclopenta[b]quin...	170	C11H10N2	007193-24-0	47





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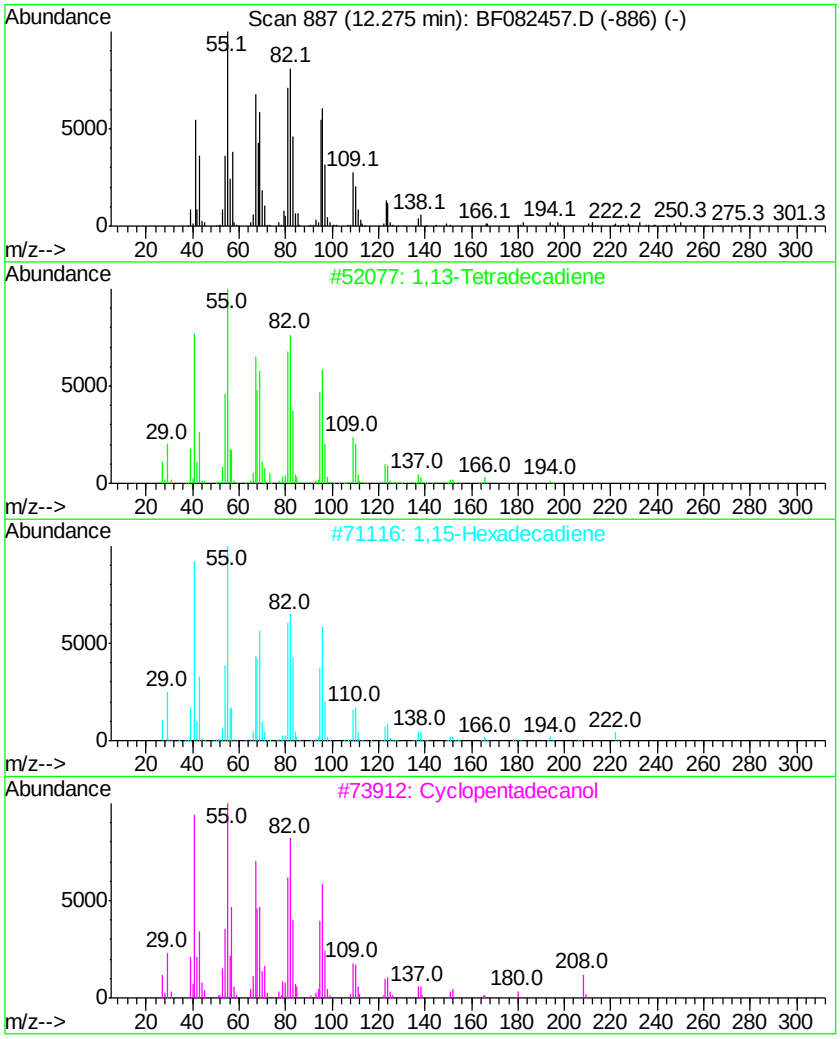
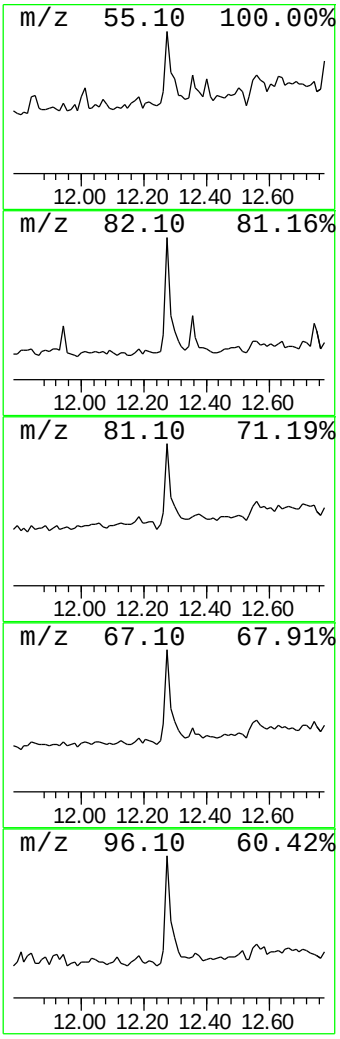
Peak Number 17 1,13-Tetradecadiene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	11.49 ng	1534490	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,13-Tetradecadiene	194	C14H26	021964-49-8	97
2	1,15-Hexadecadiene	222	C16H30	021964-51-2	94
3	Cyclopentadecanol	226	C15H30O	004727-17-7	91
4	Oleyl Alcohol	268	C18H36O	000143-28-2	91
5	11-Hexadecen-1-ol, (Z)-	240	C16H32O	056683-54-6	87





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Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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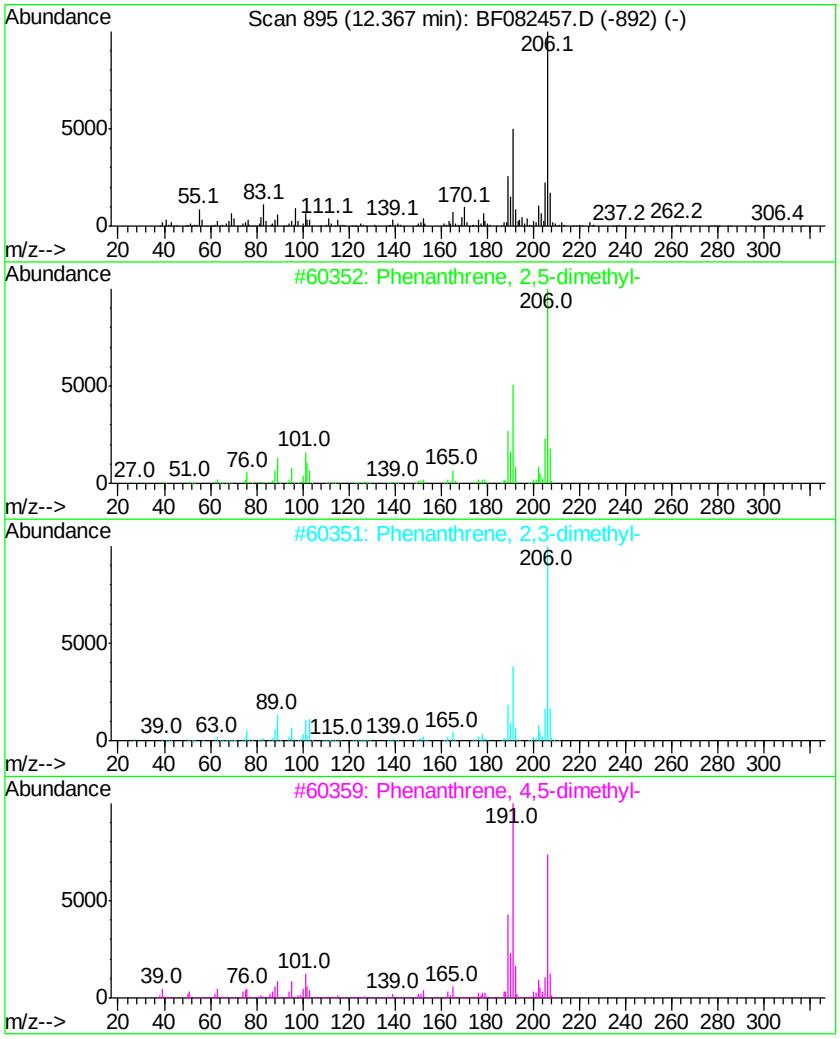
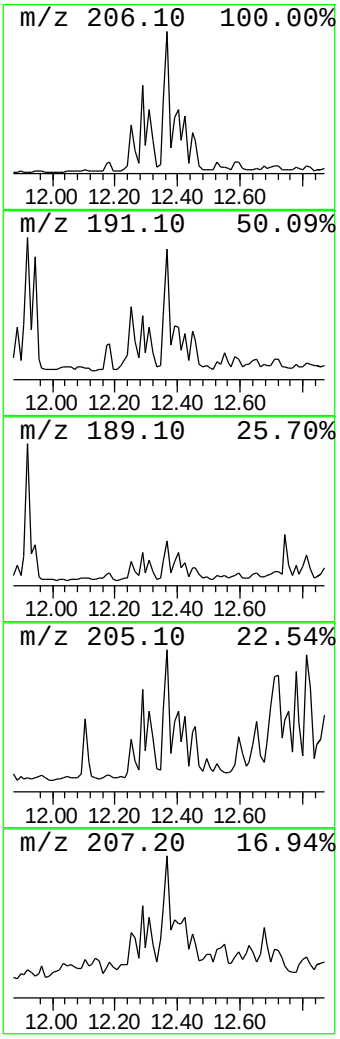
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	12.50 ng	1670370	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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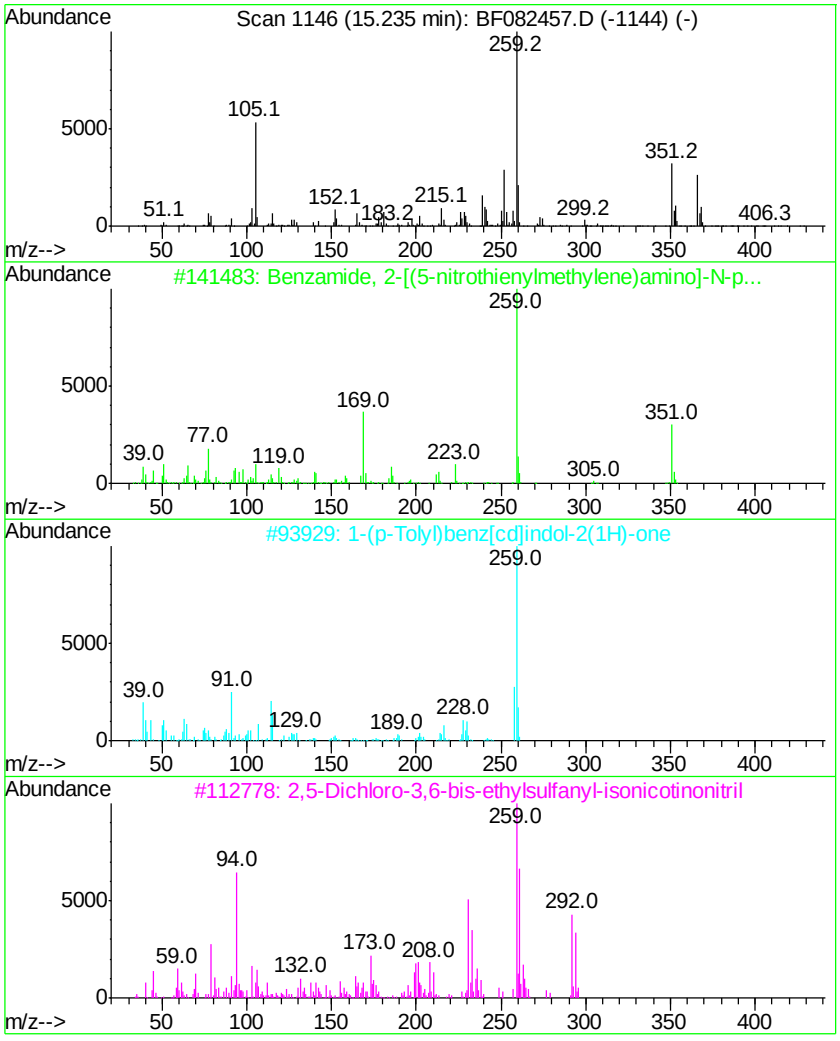
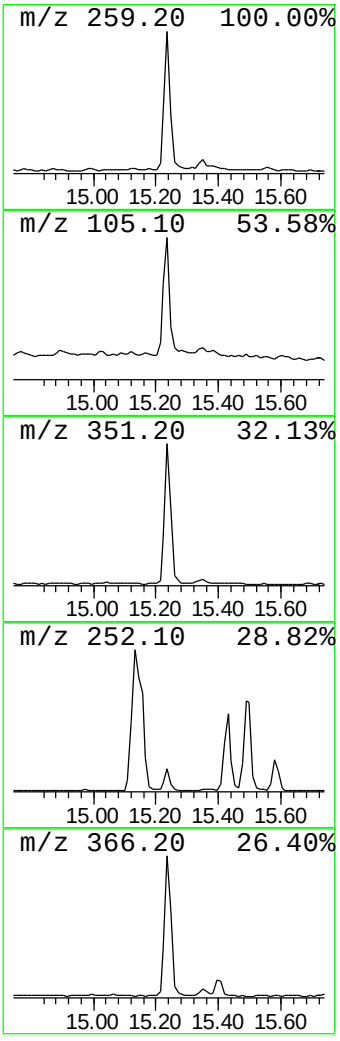
Peak Number 19 unknown15.24 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	20.00 ng	2229170	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 2-[(5-nitrothienylmet...	351	C18H13N3O3S	314279-69-1	43
2	1-(p-Tolyl)benz[cd]indol-2(1H)-one	259	C18H13NO	001710-21-0	38
3	2,5-Dichloro-3,6-bis-ethylsulfan...	292	C10H10Cl2N2S2	1000296-85-0	35
4	4-(m-(2-Thiazolyl)phenyl)-2-thia...	259	C12H9N3S2	007534-34-1	32
5	Pyrazole, 5-butyl-3-methyl-1-(4-...	259	C14H17N3O2	1000272-63-4	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

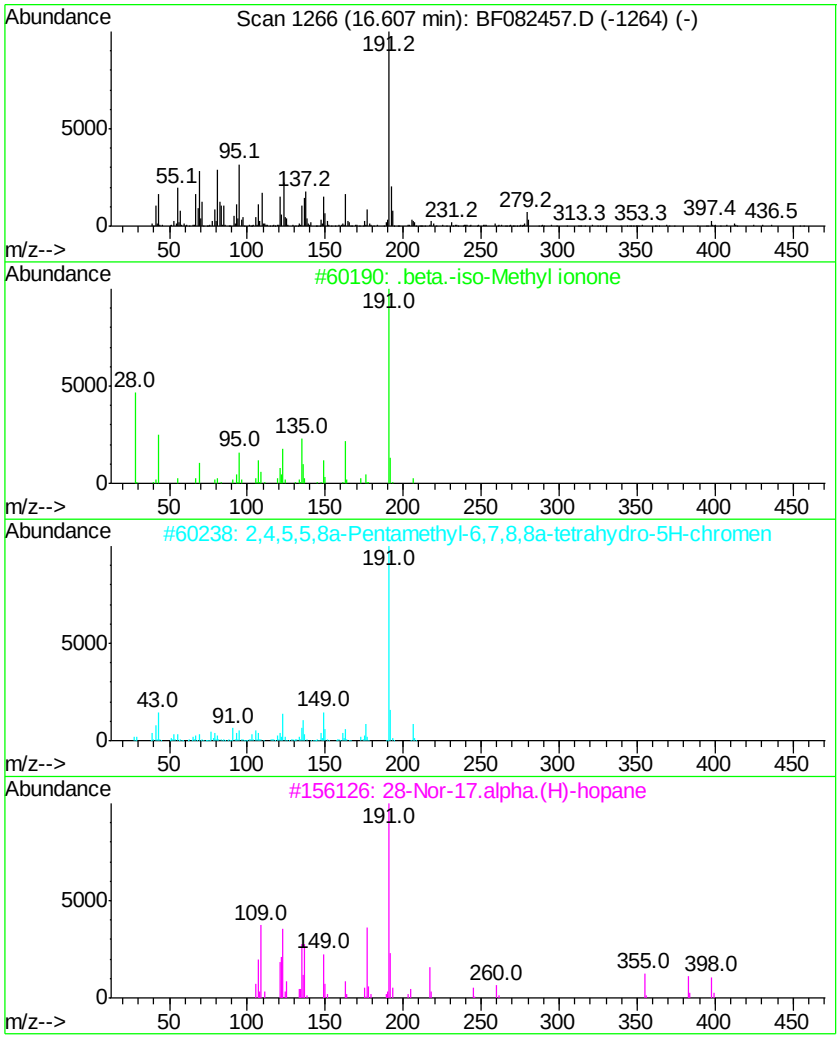
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

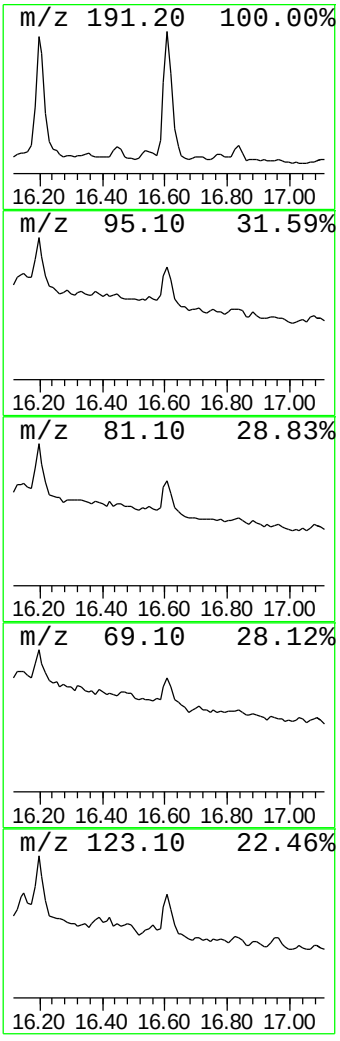
****

Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	10.10 ng	1125400	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	68
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	59
3	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	50
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	47
5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102215\
Data File : BF082457.D
Acq On : 22 Oct 2015 21:01
Operator : UM/IZ
Sample : G4119-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB15-45-2.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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	43.3	ng	1627090	1	6.75	750999	20.0
Benzene, 1,3-dime...	5.30	13.2	ng	496493	1	6.75	750999	20.0
unknown6.54	6.54	43.7	ng	1640410	1	6.75	750999	20.0
1-Hexanol, 2-ethyl-	6.83	42.5	ng	1597300	1	6.75	750999	20.0
Phenylethyl Alcohol	7.52	34.7	ng	2040880	2	8.06	1176750	20.0
Cyclohexanol, 5-m...	7.97	41.8	ng	2458770	2	8.06	1176750	20.0
6-Octen-1-ol, 3,7...	8.22	52.4	ng	3083780	2	8.06	1176750	20.0
Cyclodecane	8.49	15.1	ng	888382	2	8.06	1176750	20.0
Phenol, p-tert-bu...	8.64	35.4	ng	2080230	2	8.06	1176750	20.0
1-Decene	9.62	10.0	ng	649572	3	9.81	1294540	20.0
Dodecane, 2,6,11-...	9.74	10.7	ng	689532	3	9.81	1294540	20.0
Cedrol	10.48	25.8	ng	1668960	3	9.81	1294540	20.0
Tridecane, 5-propyl-	10.73	19.7	ng	2628910	4	11.30	2671890	20.0
unknown11.18	11.18	13.9	ng	1863190	4	11.30	2671890	20.0
Ethanol, 2-([1,1'...	12.24	17.6	ng	2344250	4	11.30	2671890	20.0
1,13-Tetradecadiene	12.28	11.5	ng	1534490	4	11.30	2671890	20.0
Phenanthrene, 2,5...	12.37	12.5	ng	1670370	4	11.30	2671890	20.0
unknown15.24	15.24	20.0	ng	2229170	6	15.56	2229170	20.0
.beta.-iso-Methyl...	16.61	10.1	ng	1125400	6	15.56	2229170	20.0