LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084267.D
Acq On : 5 Jan 2016 5:59
Operator : UM/SJ
Sample : G4990-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-39

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-BF123115.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	5.081	259	262	267	rVB	881492	1022437	11.67%	1.490%
2	5.504	296	299	301	rVB	5253222	4792231	54.70%	6.983%
3	6.053	343	347	349	rVB	116116	131183	1.50%	0.191%
4	6.270	361	366	368	rVB	70362	123637	1.41%	0.180%
5	6.533	386	389	391	rBV	3850322	3769545	43.03%	5.493%
6	6.659	397	400	402	rBV	6199605	7061366	80.60%	10.289%
7	6.842	412	416	418	rBV2	99515	169826	1.94%	0.247%
8	6.887	418	420	424	rVV	2077916	1821475	20.79%	2.654%
9	7.047	431	434	436	rBV	7099211	6439439	73.50%	9.383%
10	7.230	448	450	452	rVB	102324	93929	1.07%	0.137%
11	7.287	452	455	462	rBV6	60550	135099	1.54%	0.197%
12	7.459	464	470	472	rBV	5420292	6018221	68.69%	8.769%
13	7.665	482	488	489	rVV	477932	540784	6.17%	0.788%
14	7.687	489	490	494	rVB	270276	310401	3.54%	0.452%
15	7.825	499	502	508	rBV3	105445	204720	2.34%	0.298%
16	7.916	508	510	511	rBV	85905	90346	1.03%	0.132%
17	8.042	520	521	523	rVB	90491	90281	1.03%	0.132%
18	8.179	530	533	535	rVV	2371586	2588492	29.55%	3.772%
19	8.270	539	541	542	rVV	85761	103181	1.18%	0.150%
20	8.362	545	549	551	rBV4	59411	171292	1.96%	0.250%
21	8.602	568	570	572	rBV3	65310	104486	1.19%	0.152%
22	8.739	580	582	584	rBV	118047	103846	1.19%	0.151%
23	8.990	602	604	606	rBV	551222	551532	6.30%	0.804%
24	9.105	611	614	620	rVV6	45158	162917	1.86%	0.237%
25	9.196	620	622	624	rVV3	70489	99140	1.13%	0.144%
26	9.253	624	627	630	rVV	7173714	8760893	100.00%	12.766%
27	9.333	630	634	636	rVV4	75680	122860	1.40%	0.179%
28	9.402	636	640	642	rVV3	56736	141705	1.62%	0.206%
29	9.596	655	657	658	rBV	214571	216277	2.47%	0.315%
30	9.653	660	662	663	rVV	311476	318933	3.64%	0.465%
31	9.722	663	668	672	rVB3	152931	440649	5.03%	0.642%
32	9.790	672	674	677	rBV	123438	133154	1.52%	0.194%
33	9.928	684	686	689	rBV2	2074731	2419072	27.61%	3.525%
34	10.088	698	700	702	rBV2	120824	204269	2.33%	0.298%

LSC Area Percent Report

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Misc :
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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.248	711	714	715	rVB3	66551	113501	1.30%	0.165%
36	10.293	716	718	721	rVV3	144859	201544	2.30%	0.294%
37	10.362	722	724	726	rVB2	193202	168199	1.92%	0.245%
38	10.579	740	743	745	rBV3	130951	190958	2.18%	0.278%
39	10.728	753	756	758	rBV	4463348	5762828	65.78%	8.397%
40	10.831	763	765	770	rVB4	167073	310673	3.55%	0.453%
41	11.025	779	782	784	rBV4	51257	100996	1.15%	0.147%
42	11.288	802	805	806	rBV2	116732	140507	1.60%	0.205%
43	11.413	814	816	819	rBV	2416513	2156875	24.62%	3.143%
44	11.631	833	835	838	rBV	84627	103539	1.18%	0.151%
45	11.802	848	850	853	rVB4	56204	97156	1.11%	0.142%
46	12.134	876	879	880	rBV	104517	110725	1.26%	0.161%
47	12.225	885	887	890	rBV	365786	444279	5.07%	0.647%
48	12.888	943	945	950	rVB	300075	349027	3.98%	0.509%
49	13.002	952	955	958	rBV	5722055	5581896	63.71%	8.134%
50	13.574	1003	1005	1006	rBV2	81759	102187	1.17%	0.149%
51	13.905	1031	1034	1042	rBV	118464	231598	2.64%	0.337%
52	14.054	1044	1047	1049	rBV	1447464	1549695	17.69%	2.258%
53	15.494	1170	1173	1176	rBV	1152077	1453479	16.59%	2.118%

Sum of corrected areas: 68627280

LSC Report - Integrated Chromatogram

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Operator : UM/SJ
Sample : G4990-11
Misc :
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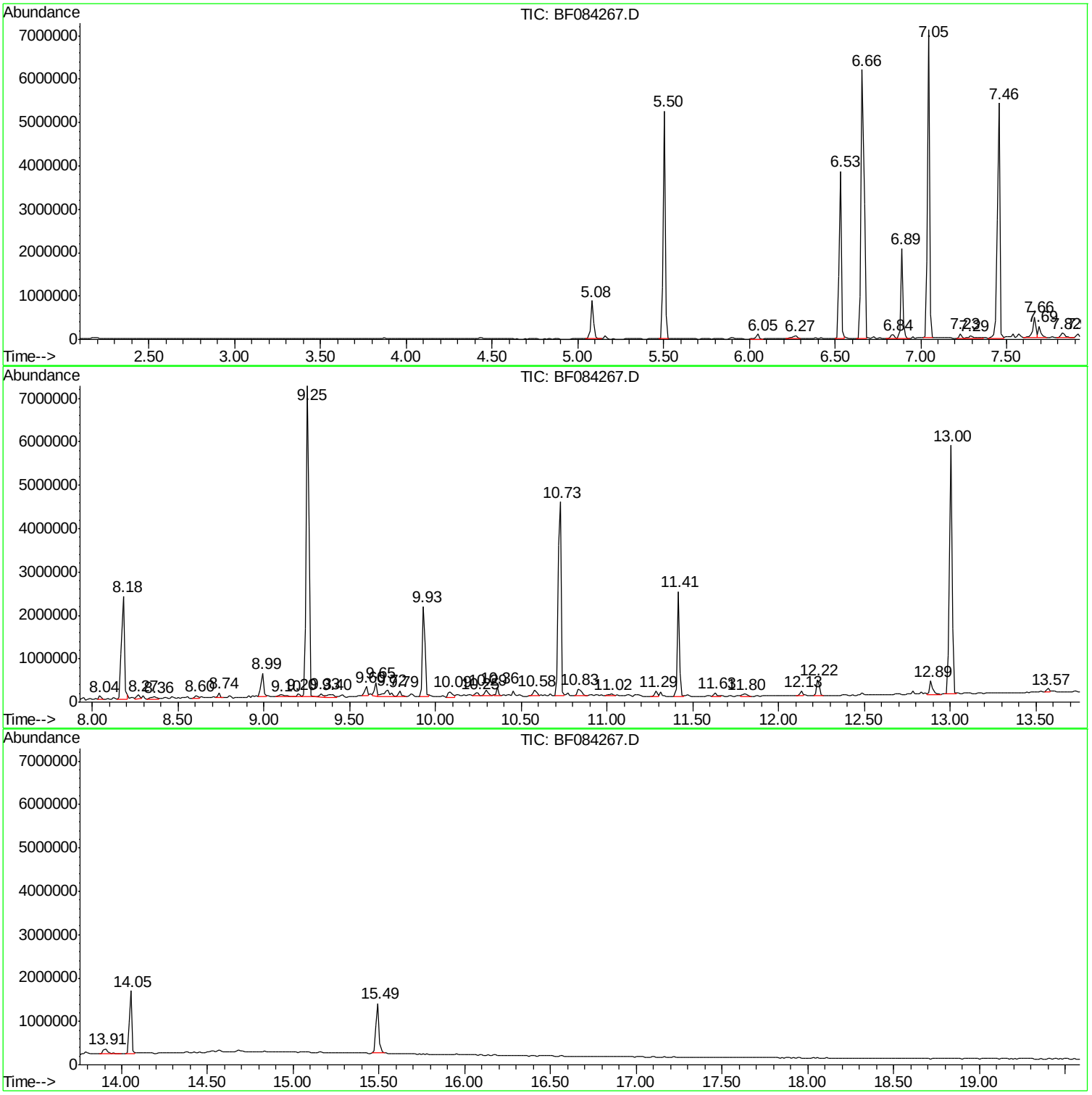
Instrument : BNA_F
ClientSampleId : W-39

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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\BF010416\
Data File : BF084267.D
Acq On : 5 Jan 2016 5:59
Operator : UM/SJ
Sample : G4990-11
Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

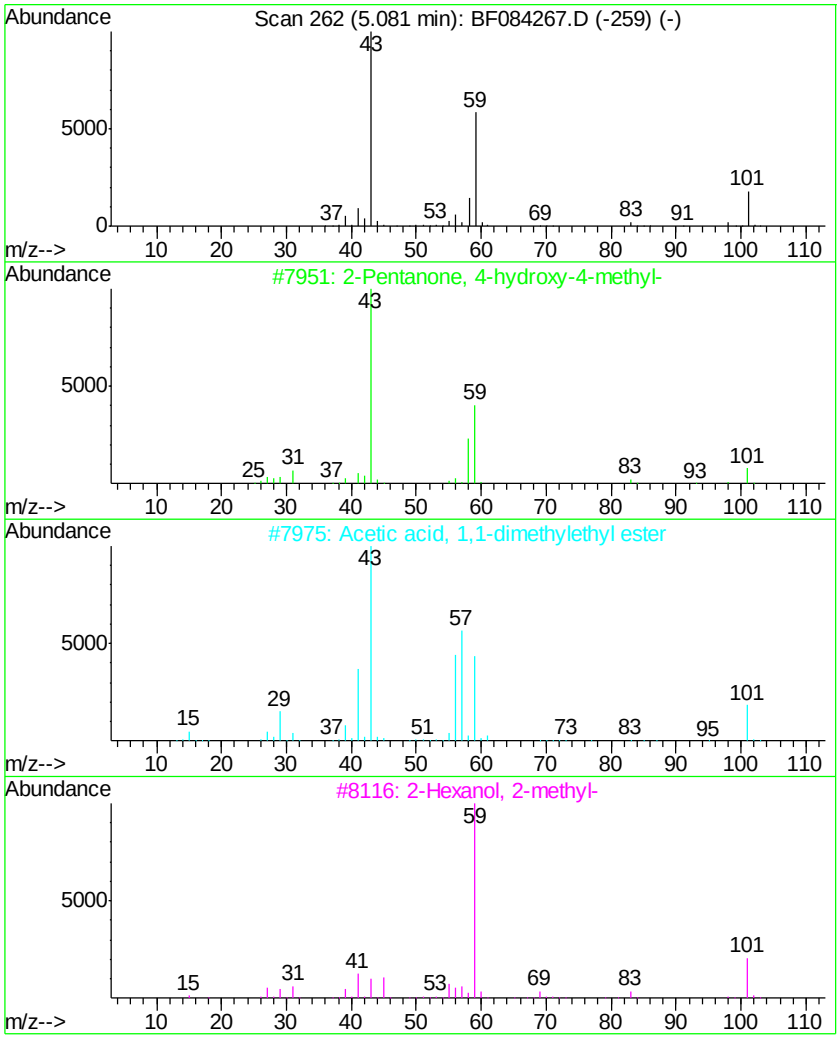
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

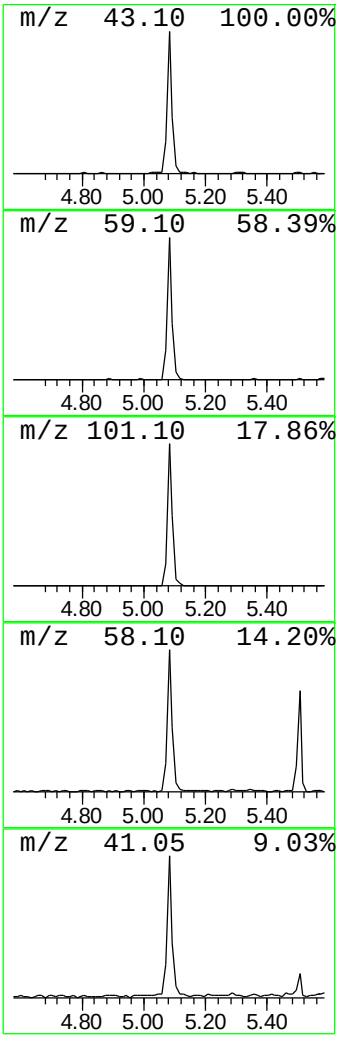
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	11.23 ng	1022440	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33





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Operator : UM/SJ
Sample : G4990-11
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Instrument : BNA_F
ClientSampleId : W-39

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

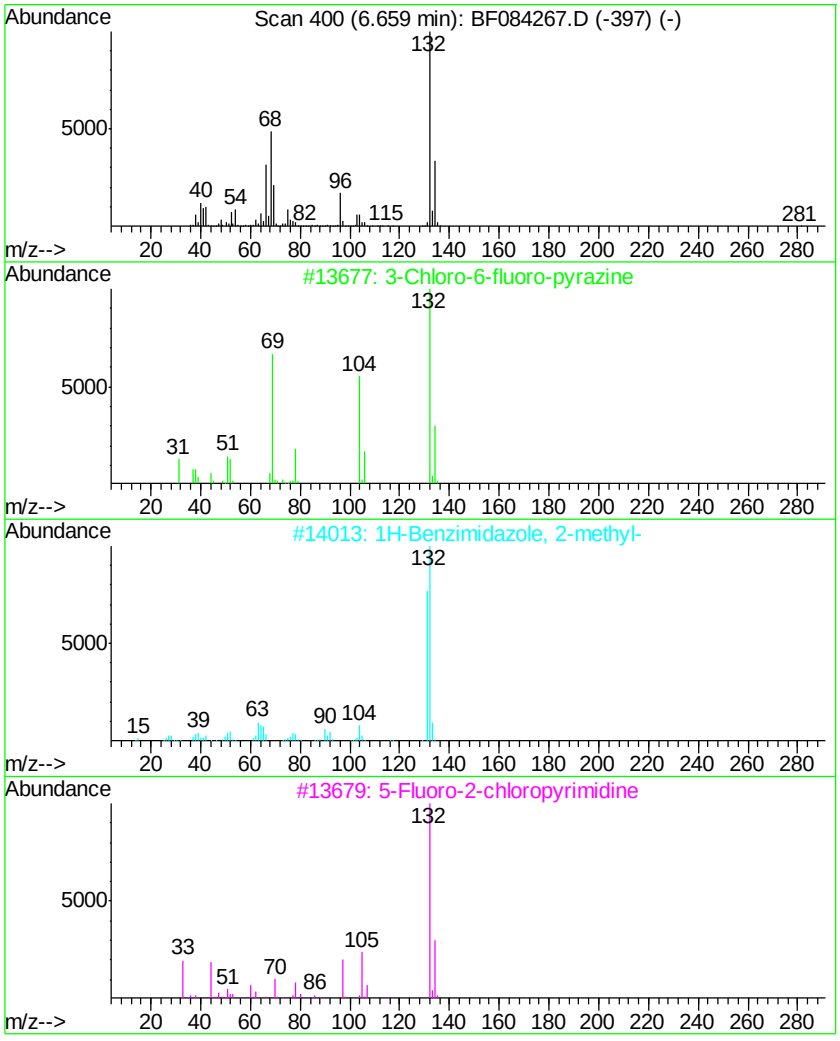
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

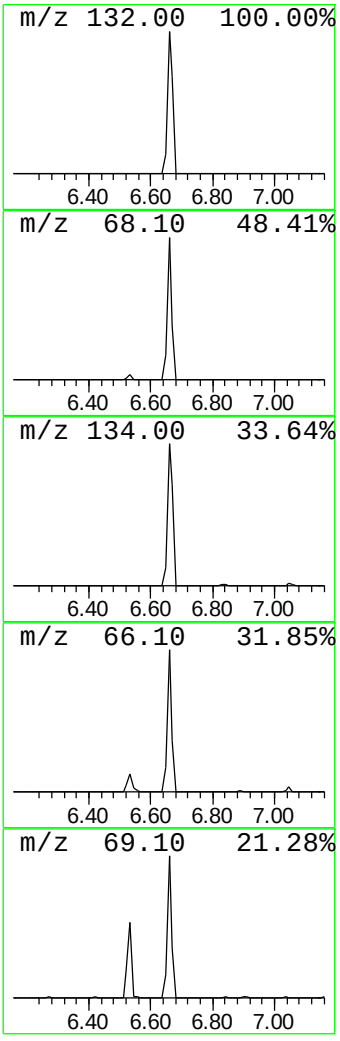
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	77.53 ng	7061370	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Instrument : BNA_F
ClientSampleId : W-39

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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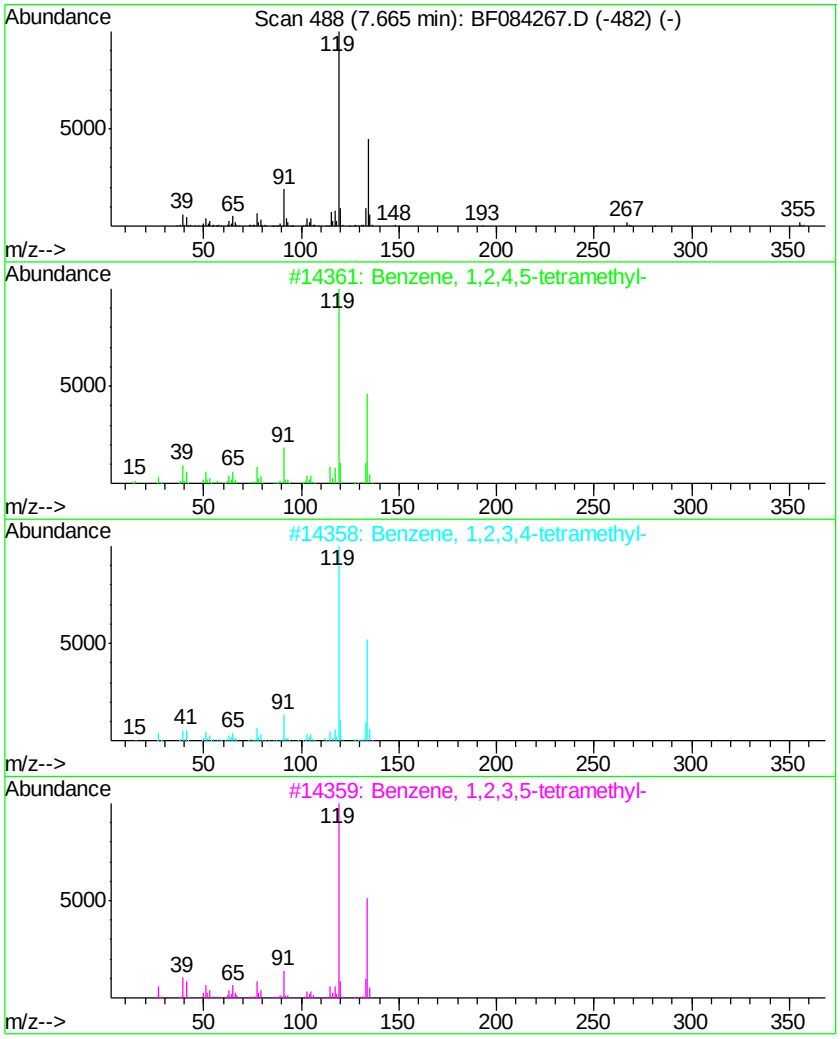
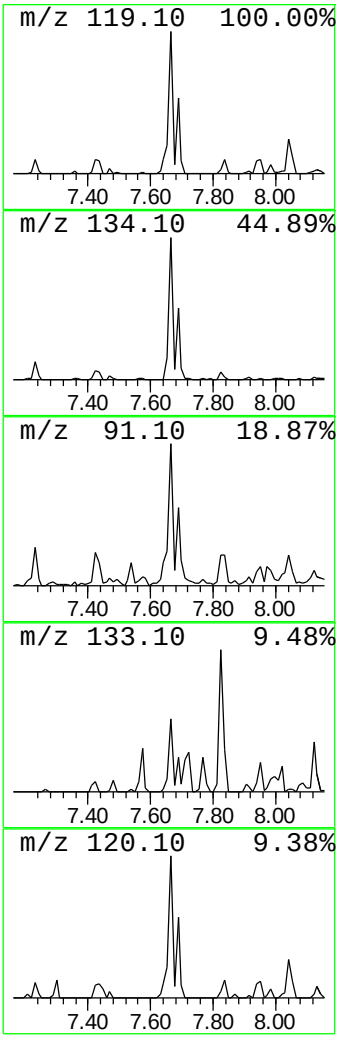
Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	4.18 ng	540784	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
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	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
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Sample : G4990-11
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Instrument : BNA_F
ClientSampleId : W-39

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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TIC Library : C:\DATABASE\NIST02.L
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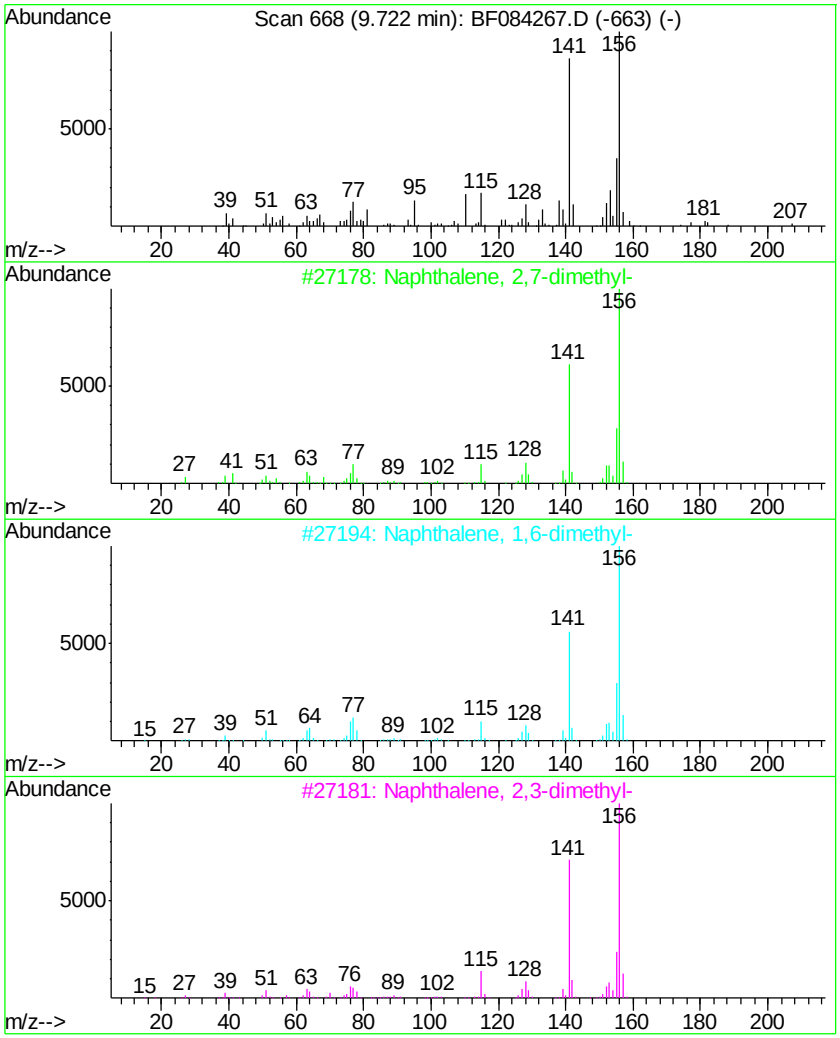
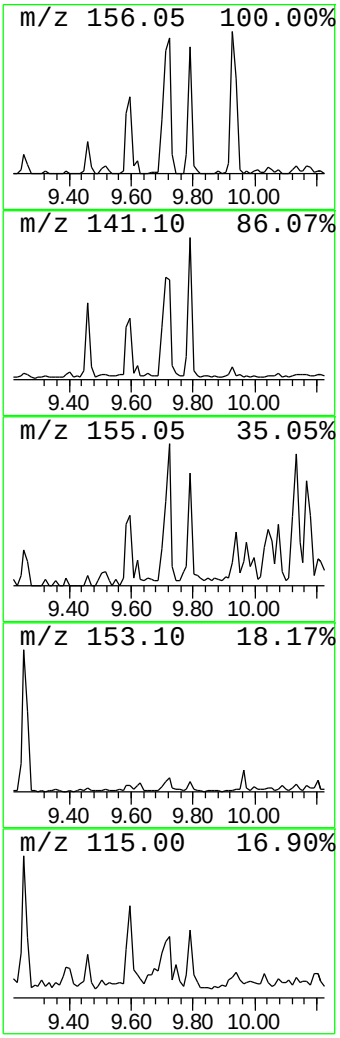
****

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	3.64 ng	440649	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	87
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	81
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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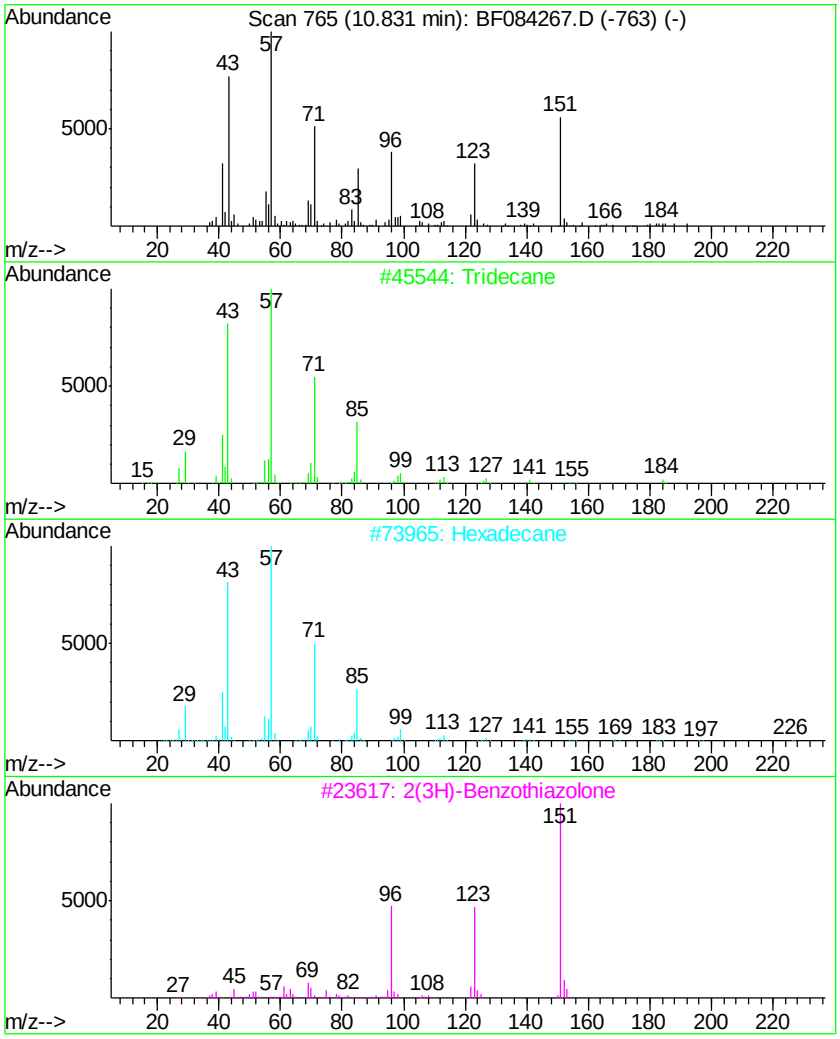
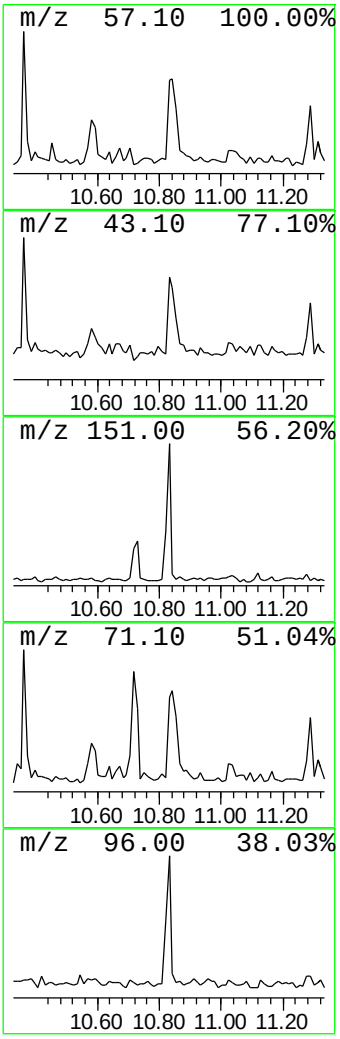
Peak Number 8 unknown10.83 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	2.88 ng	310673	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	46
2	Hexadecane	226	C16H34	000544-76-3	38
3	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	38
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	35
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	27





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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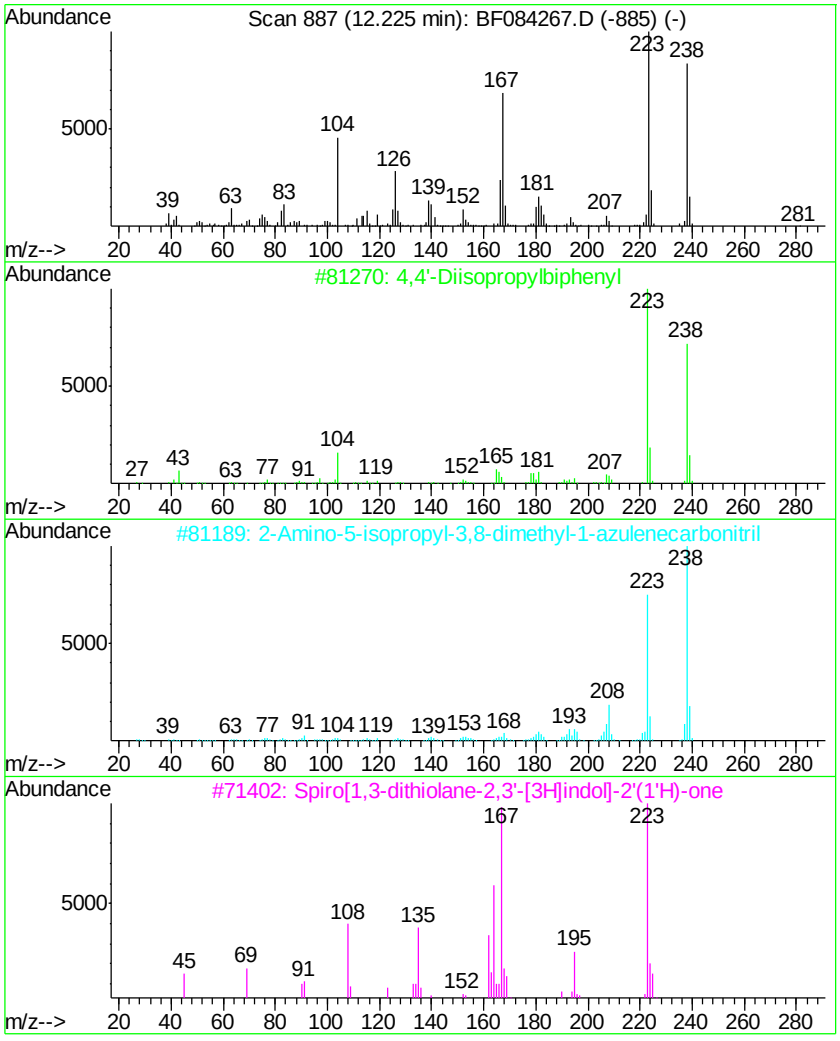
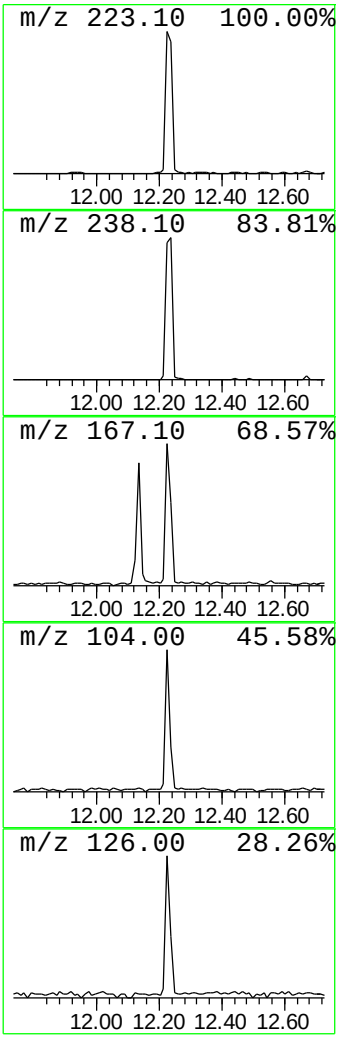
Peak Number 9 4,4'-Diisopropylbiphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.12 ng	444279	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53
2	2-Amino-5-isopropyl-3,8-dimethyl...	238	C16H18N2	093018-84-9	38
3	Spiro[1,3-dithiolane-2,3'-[3H]in...	223	C10H9NOS2	038168-18-2	38
4	2,6-Diaminoanthraquinone	238	C14H10N2O2	000131-14-6	38
5	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	38





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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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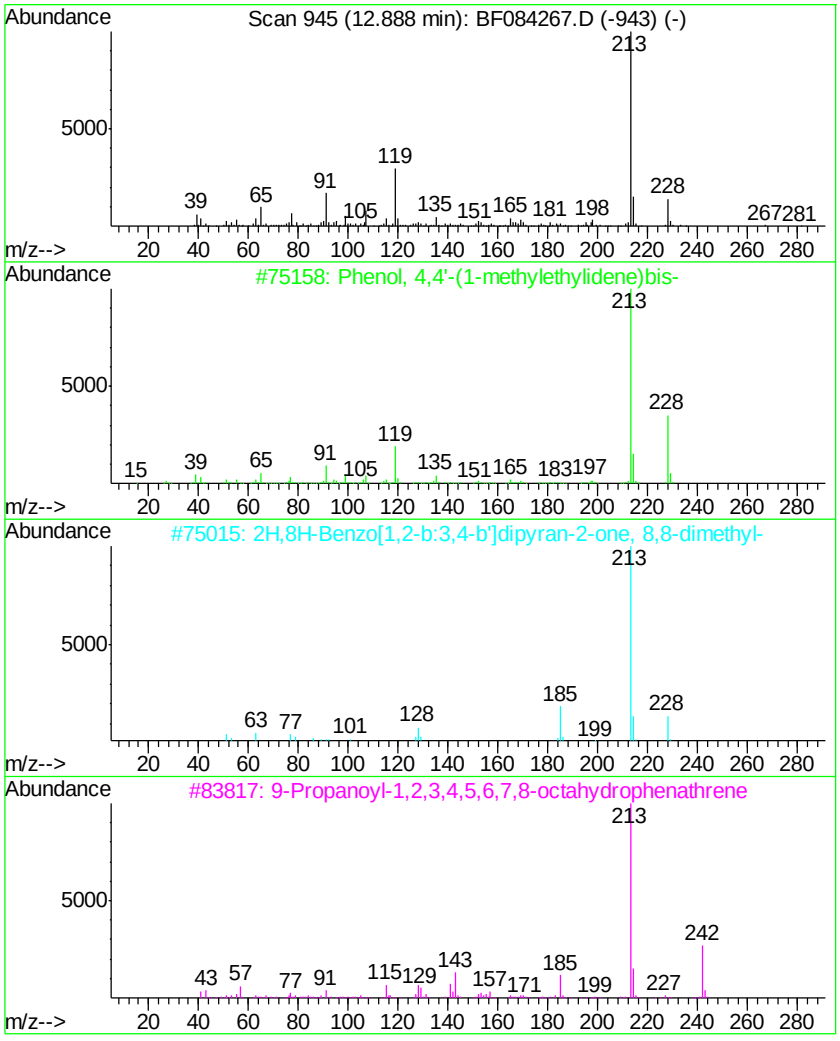
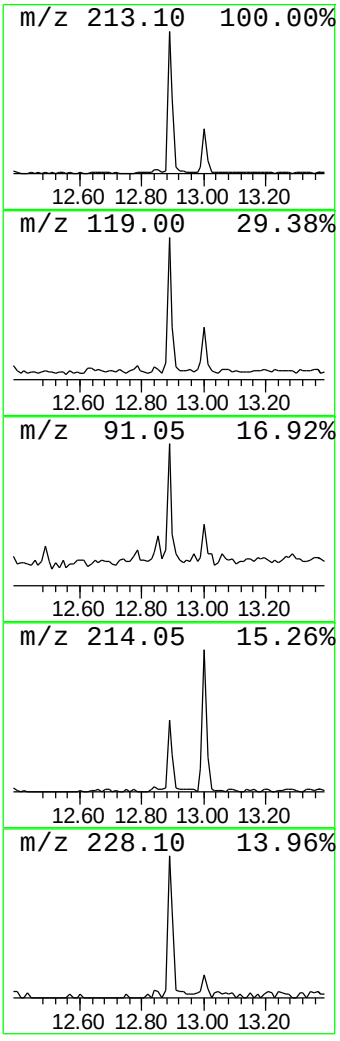
Peak Number 10 Phenol, 4,4'-(1-methylethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.50 ng	349027	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	91
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	58
3	9-Propanoyl-1,2,3,4,5,6,7,8-octa...	242	C17H22O	1000255-01-4	50
4	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	50
5	10H-Phenothiazine, 10-methyl-	213	C13H11NS	001207-72-3	47





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Instrument : BNA_F
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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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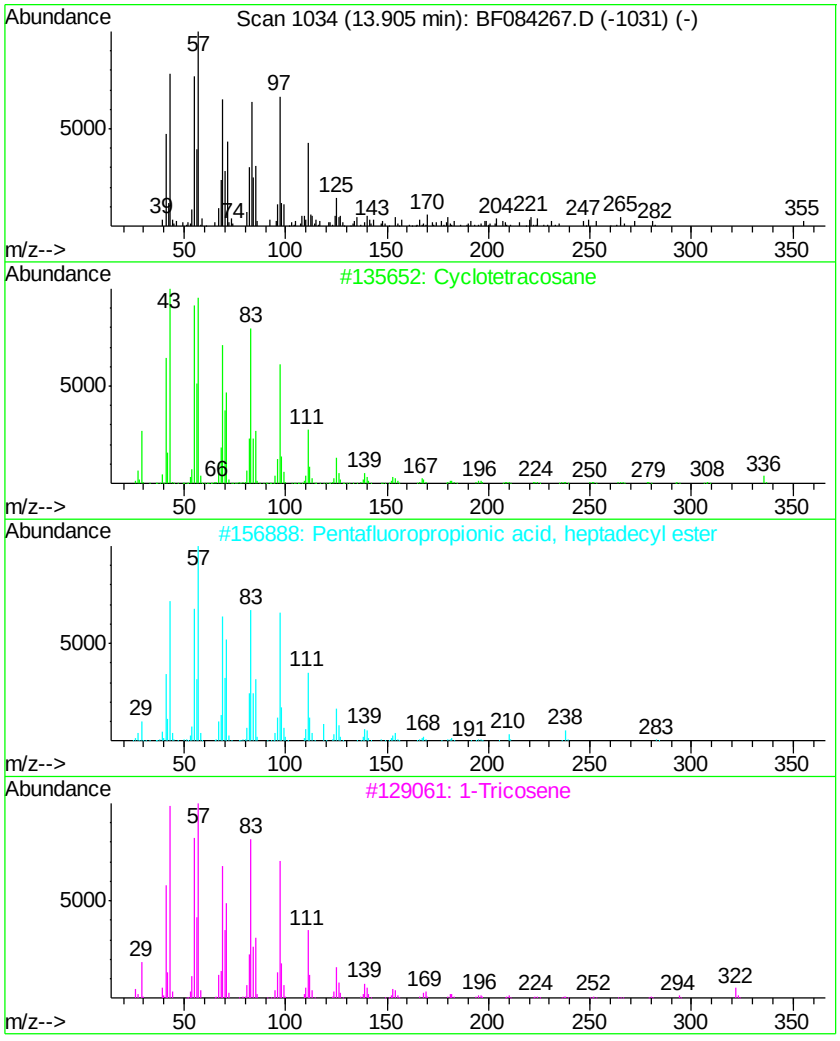
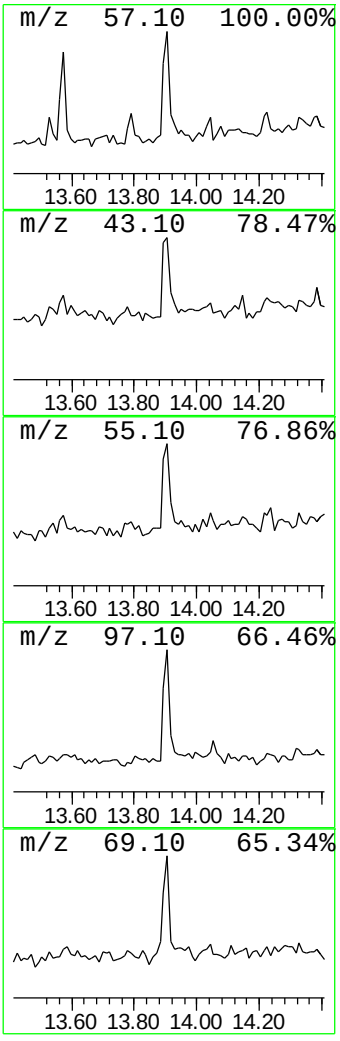
Peak Number 11 Cyclotetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	2.99 ng	231598	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	87
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	87
3	1-Tricosene	322	C23H46	018835-32-0	80
4	Cyclohexadecane	224	C16H32	000295-65-8	78
5	1-Tetracosanol	354	C24H50O	000506-51-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084267.D
Acq On : 5 Jan 2016 5:59
Operator : UM/SJ
Sample : G4990-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-39

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.08	11.2	ng	1022440	1	6.89	1821480	20.0
unknown6.66	6.66	77.5	ng	7061370	1	6.89	1821480	20.0
Benzene, 1,2,4,5-...	7.66	4.2	ng	540784	2	8.18	2588490	20.0
Naphthalene, 2,7-...	9.72	3.6	ng	440649	3	9.93	2419070	20.0
unknown10.83	10.83	2.9	ng	310673	4	11.41	2156880	20.0
4,4'-Diisopropylb...	12.23	4.1	ng	444279	4	11.41	2156880	20.0
Phenol, 4,4'-(1-m...	12.89	4.5	ng	349027	5	14.05	1549700	20.0
Cyclotetracosane	13.91	3.0	ng	231598	5	14.05	1549700	20.0