

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
 Data File : BF082985.D
 Acq On : 18 Nov 2015 00:28
 Operator : UM/IZ
 Sample : G4407-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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	2.190	7	9	18	rVB3	23092	68920	1.06%	0.153%
2	4.910	244	247	252	rVB	954057	1237594	19.10%	2.748%
3	5.356	284	286	289	rBV	2986789	2696779	41.62%	5.988%
4	6.396	375	377	380	rBV	1850241	1686135	26.02%	3.744%
5	6.522	385	388	390	rBV	4007472	4148251	64.02%	9.211%
6	6.750	406	408	410	rBV	1312187	1067869	16.48%	2.371%
7	6.876	417	419	420	rBV	158398	163251	2.52%	0.363%
8	6.910	420	422	424	rVB	4421049	3822849	58.99%	8.489%
9	7.322	455	458	460	rBV	3568414	3909683	60.33%	8.682%
10	7.779	495	498	501	rBV	73950	111329	1.72%	0.247%
11	7.870	503	506	508	rBV	64713	75690	1.17%	0.168%
12	8.042	518	521	522	rBV	1308623	1344509	20.75%	2.986%
13	8.807	586	588	590	rBV2	97002	128690	1.99%	0.286%
14	8.887	593	595	597	rBV	102606	121169	1.87%	0.269%
15	9.025	603	607	610	rVB3	51528	96967	1.50%	0.215%
16	9.116	612	615	618	rBV	4612302	5854240	90.34%	13.000%
17	9.276	628	629	632	rBV3	95725	161399	2.49%	0.358%
18	9.379	635	638	640	rBV	70883	65498	1.01%	0.145%
19	9.516	645	650	651	rBV	243131	259344	4.00%	0.576%
20	9.790	671	674	677	rVB	1767758	1624778	25.07%	3.608%
21	9.928	685	686	689	rBV	88006	120726	1.86%	0.268%
22	10.213	709	711	715	rVB2	65987	109272	1.69%	0.243%
23	10.579	740	743	746	rVV	3609916	3713050	57.30%	8.245%
24	10.682	750	752	753	rBV	111608	133964	2.07%	0.297%
25	10.705	753	754	758	rVB2	45181	94898	1.46%	0.211%
26	11.162	789	794	796	rBV2	133832	191456	2.95%	0.425%
27	11.196	796	797	799	rVB2	55909	65948	1.02%	0.146%
28	11.265	801	803	806	rVV	1199689	1556955	24.03%	3.457%
29	11.596	828	832	835	rBV2	69507	164059	2.53%	0.364%
30	11.676	835	839	842	rBV2	36400	84263	1.30%	0.187%
31	11.882	855	857	861	rBV	147780	172252	2.66%	0.382%
32	12.065	872	873	877	rVB2	97442	98006	1.51%	0.218%
33	12.476	905	909	911	rVB	202285	196363	3.03%	0.436%
34	12.705	926	929	931	rBV	263133	297249	4.59%	0.660%

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35	12.865	940	943	945	rBV	6036358	6479977	100.00%	14.389%
36	13.768	1018	1022	1026	rBV3	52622	97759	1.51%	0.217%
37	13.905	1031	1034	1036	rBV	1235103	1568471	24.20%	3.483%
38	14.762	1106	1109	1111	rBV	77415	107162	1.65%	0.238%
39	15.300	1153	1156	1158	rBV	806119	1137360	17.55%	2.526%

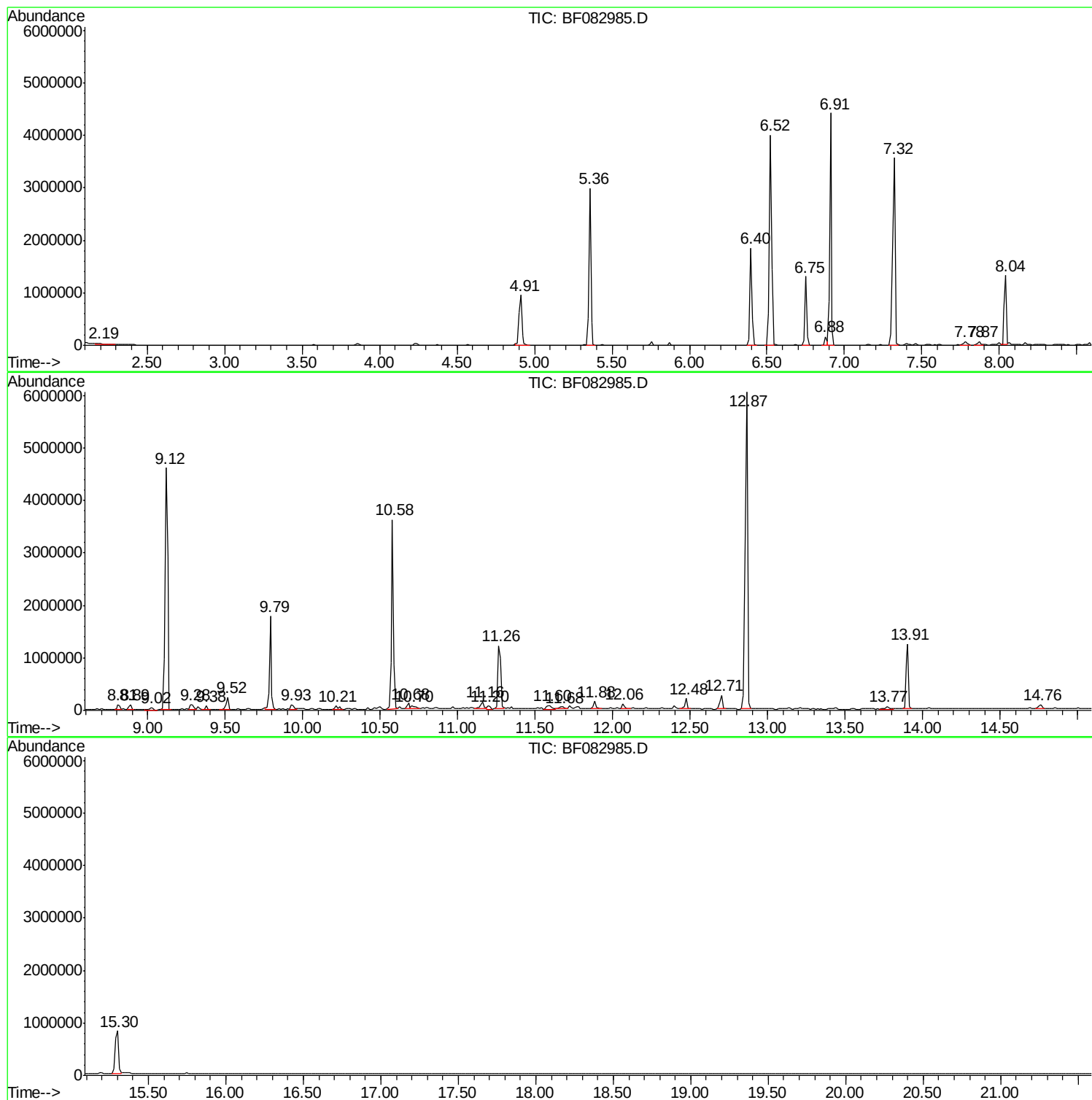
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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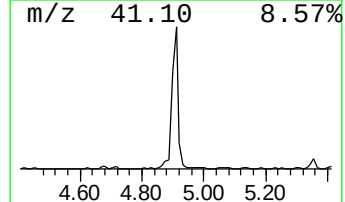
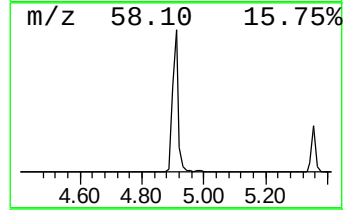
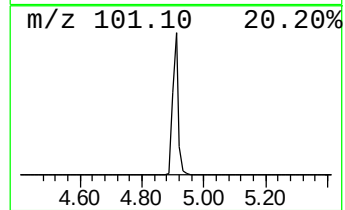
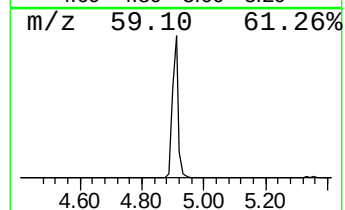
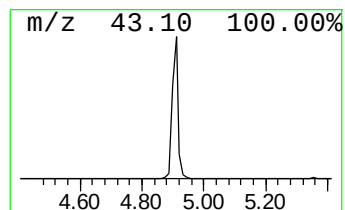
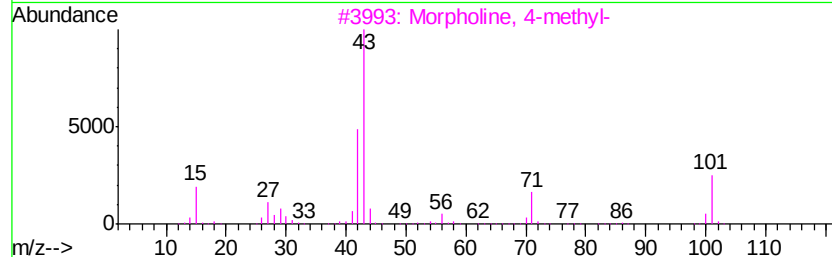
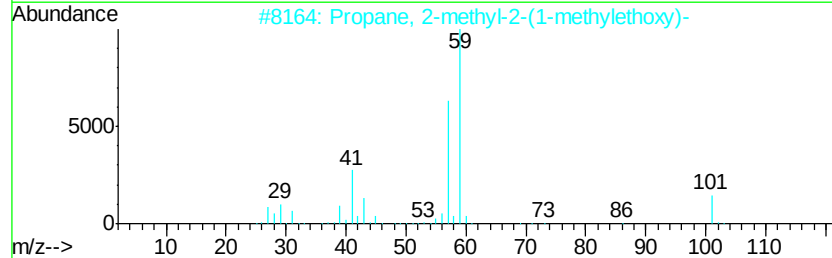
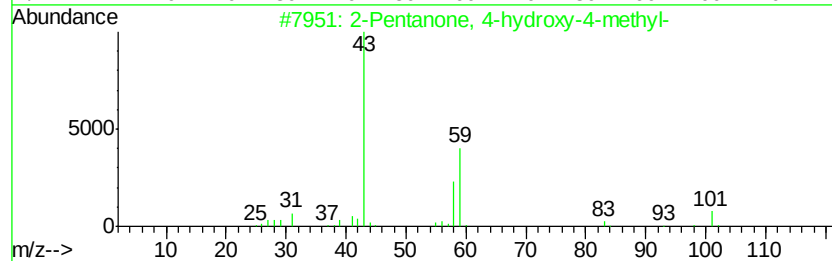
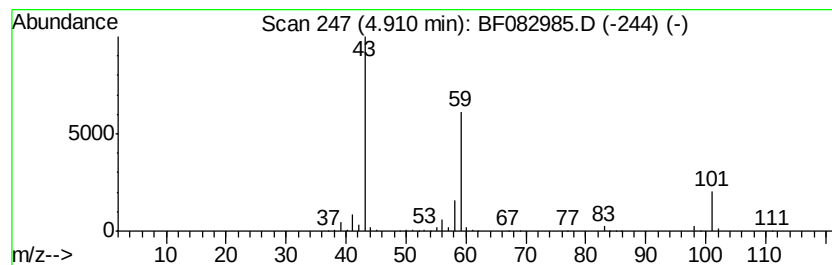
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
4.91	23.18 ng	1237590	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9
5		N,N'-Bis(2-methyl-2-nitrosopenta...	258	C12H22N2O4	094514-30-4	9



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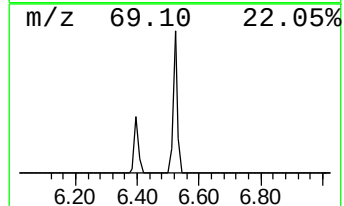
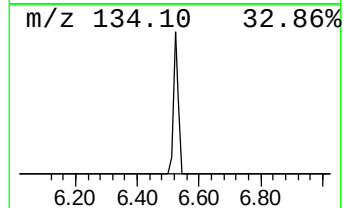
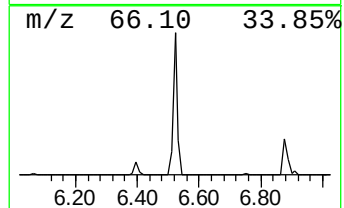
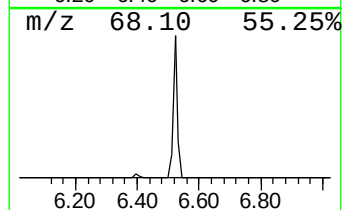
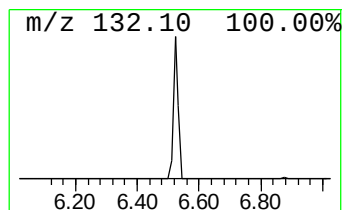
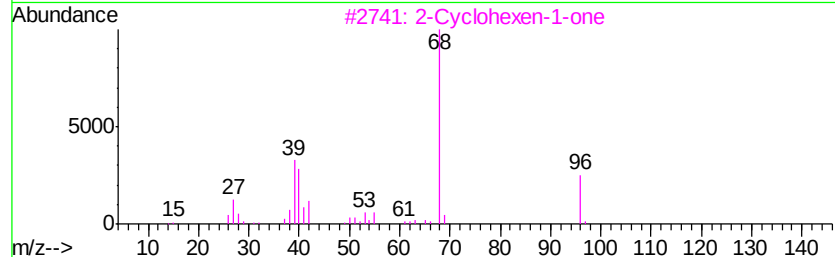
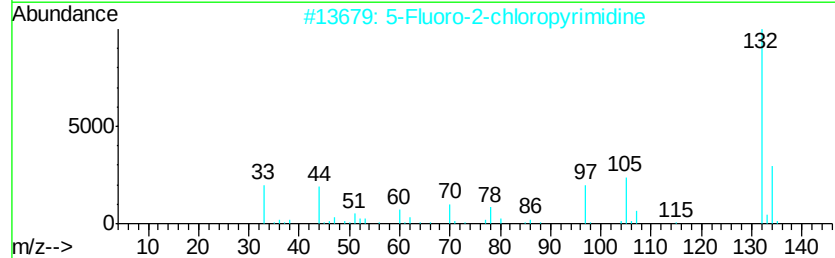
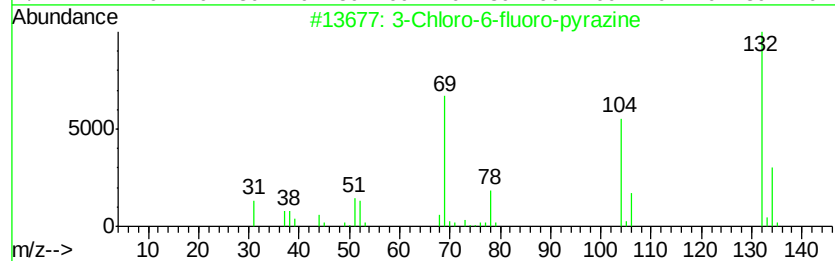
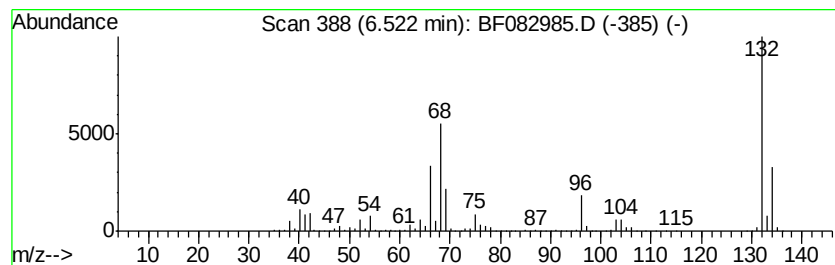
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	77.69 ng	4148250	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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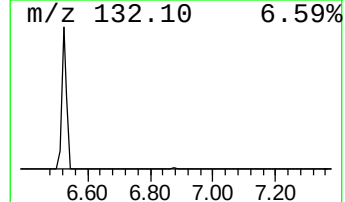
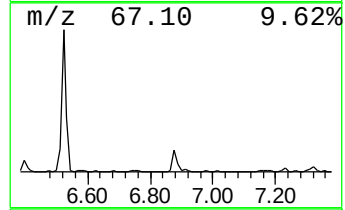
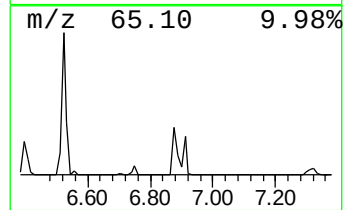
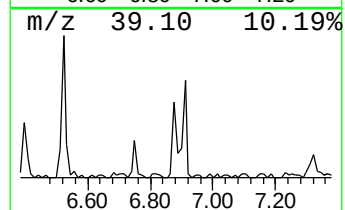
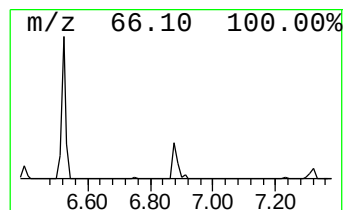
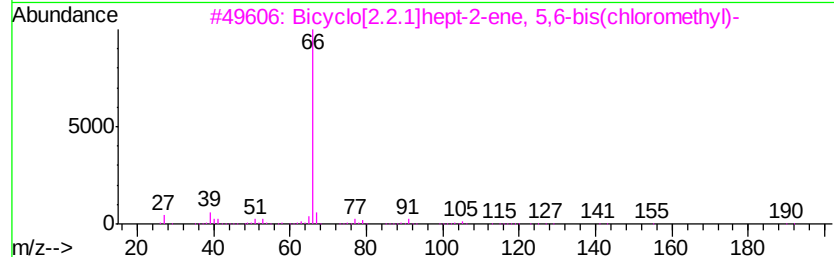
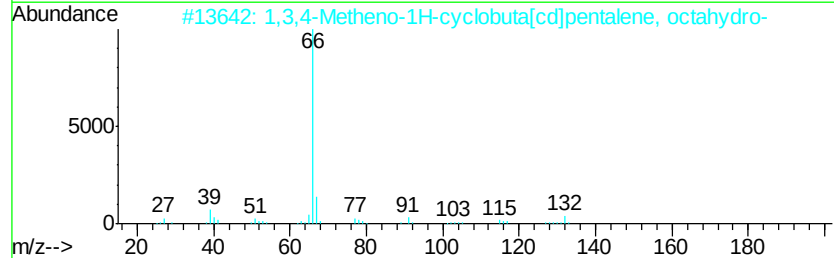
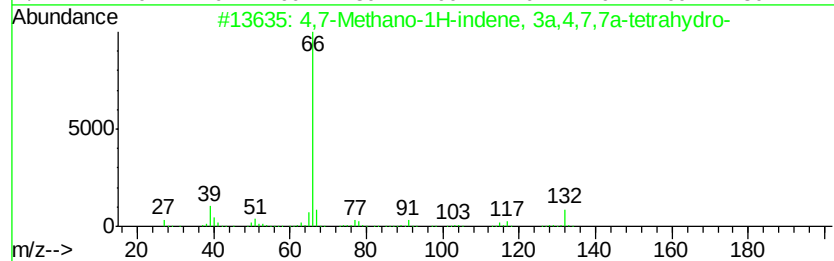
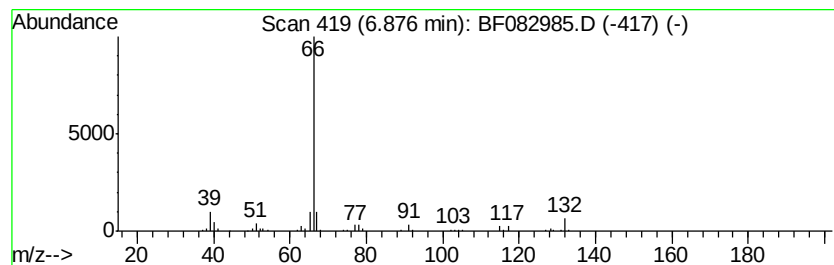
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Peak Number 3 4,7-Methano-1H-indene, 3a,4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	3.06 ng	163251	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	91
2		1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	86
3		Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	83
4		Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	83
5		The first isomer tricyclopentadiene	198	C15H18	1000222-21-0	83



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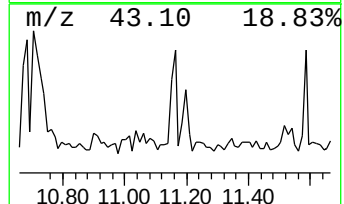
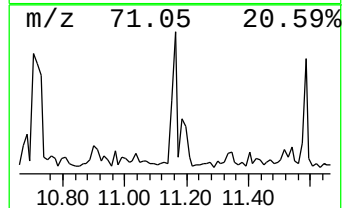
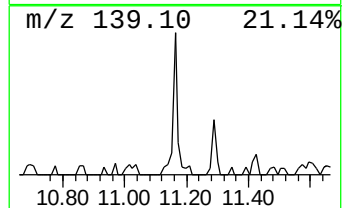
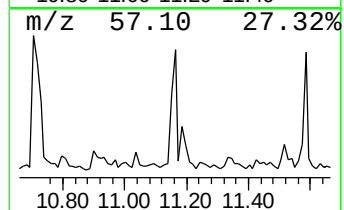
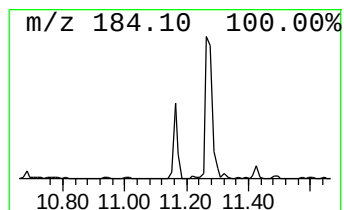
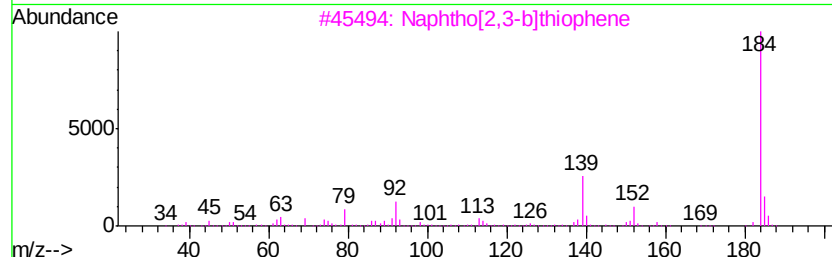
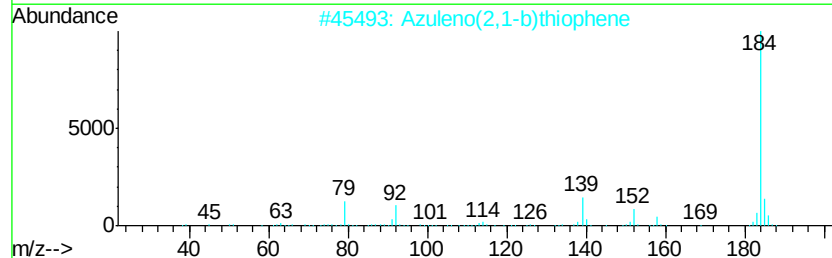
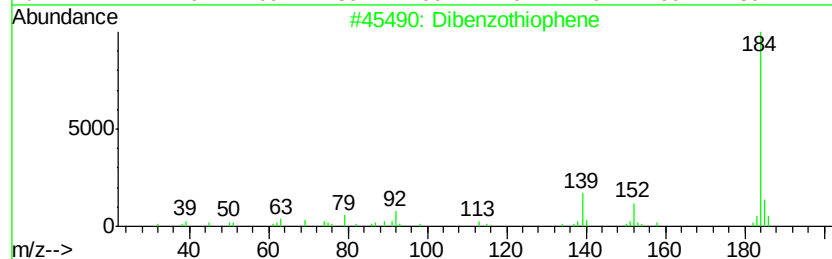
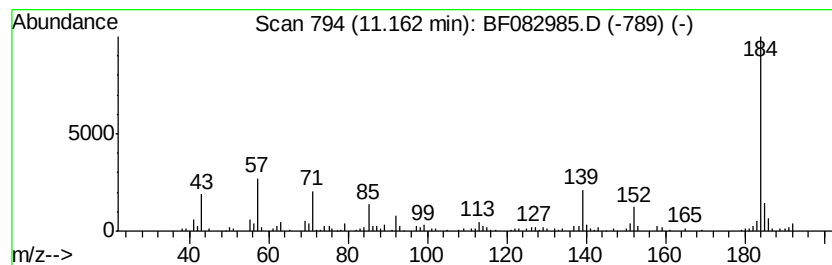
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	2.46 ng	191456	Phenanthrene-d10	11.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	76
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	52
5		Benzene, 1-methyl-3-phenoxy-	184	C13H12O	003586-14-9	43



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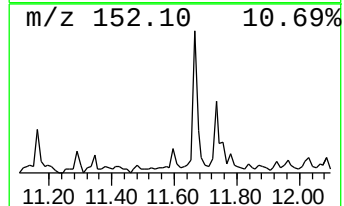
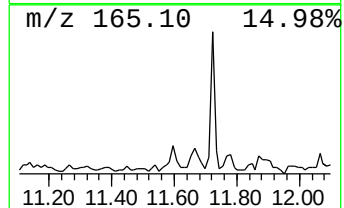
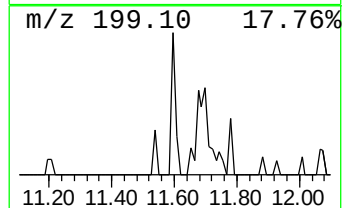
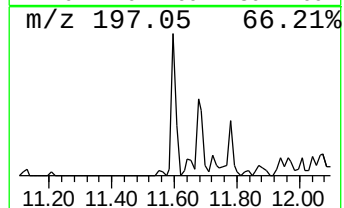
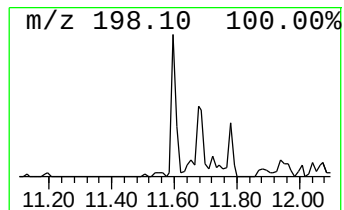
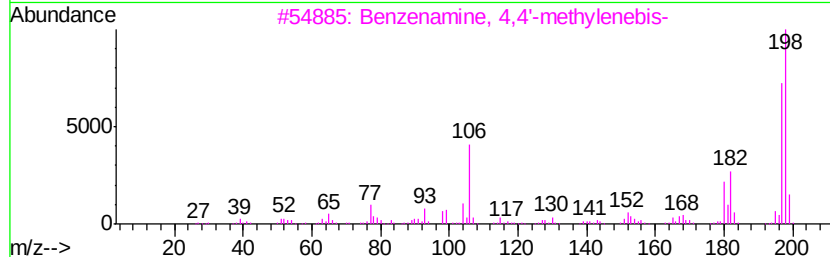
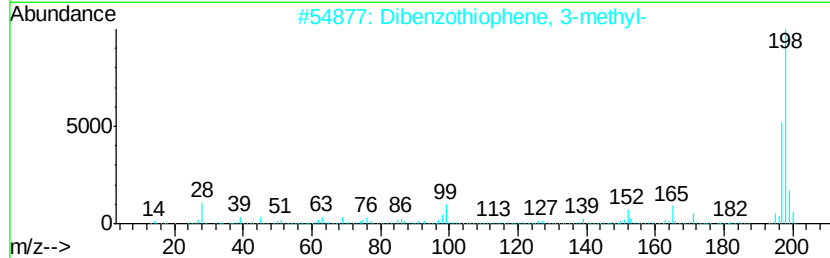
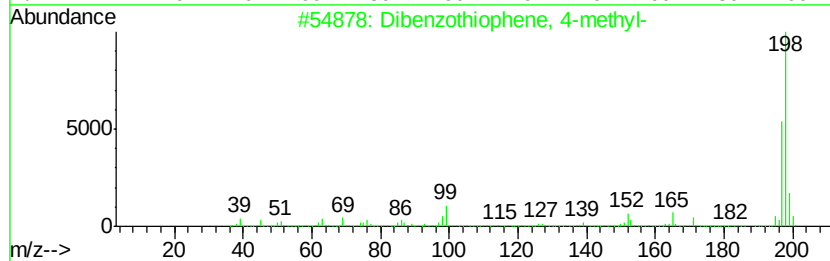
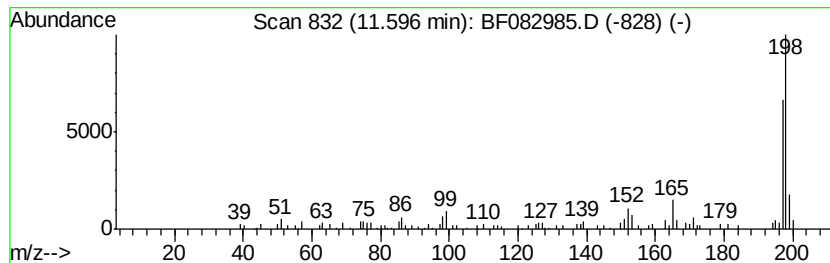
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	2.11 ng	164059	Phenanthrene-d10	11.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
2			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3			Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
4			1,2,3,4-Tetrahydrophenanthren-9-ol	198	C14H14O	019817-12-0	72
5			Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082985.D
Acq On : 18 Nov 2015 00:28
Operator : UM/IZ
Sample : G4407-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

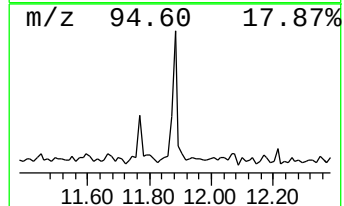
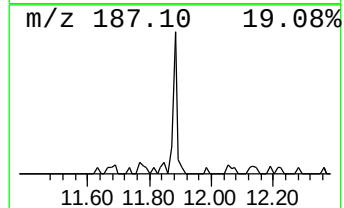
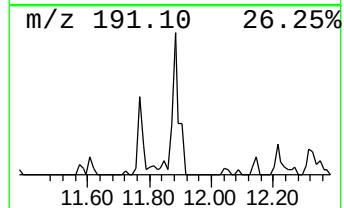
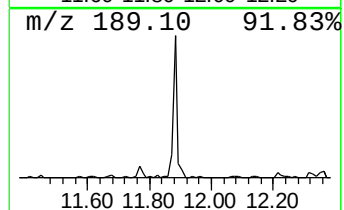
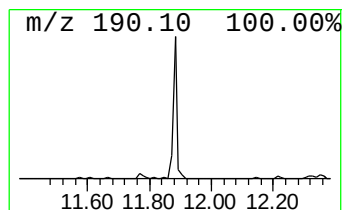
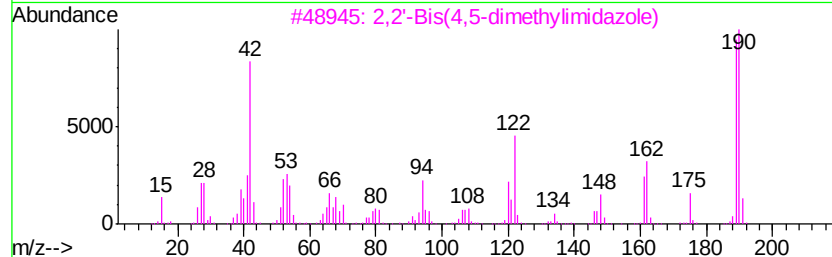
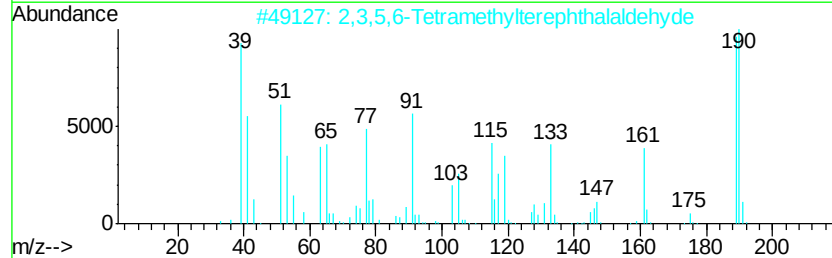
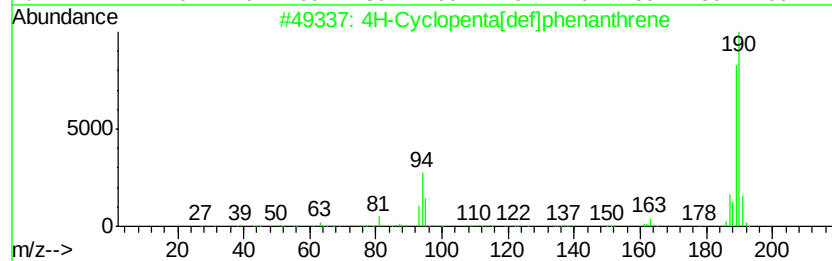
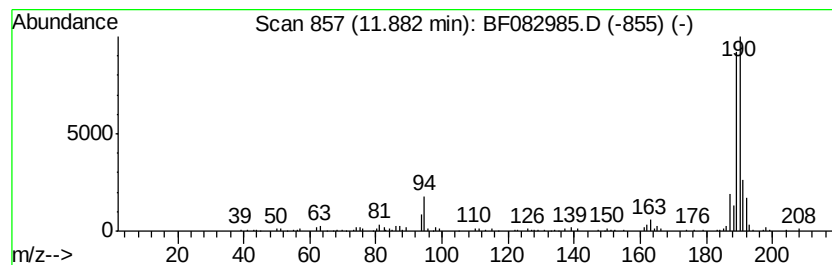
Instrument :
BNA_F
ClientSampleId :
MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.88	2.21 ng	172252	Phenanthrene-d10	11.26		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	52
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082985.D
Acq On : 18 Nov 2015 00:28
Operator : UM/IZ
Sample : G4407-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.91	23.2	ng	1237590	1	6.75	1067870	20.0
unknown6.52	6.52	77.7	ng	4148250	1	6.75	1067870	20.0
4,7-Methano-1H-in...	6.88	3.1	ng	163251	1	6.75	1067870	20.0
Dibenzothiophene	11.16	2.5	ng	191456	4	11.26	1556960	20.0
Dibenzothiophene,...	11.60	2.1	ng	164059	4	11.26	1556960	20.0
4H-Cyclopenta[def...	11.88	2.2	ng	172252	4	11.26	1556960	20.0