

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083021.D
 Acq On : 18 Nov 2015 21:27
 Operator : UM/IZ
 Sample : G4480-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002

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	2.258	13	15	25	rVB2	33986	100874	1.78%	0.150%
2	4.887	241	245	254	rVB	1546516	2187004	38.53%	3.262%
3	5.333	281	284	287	rBV	3481223	3529256	62.18%	5.264%
4	6.384	373	376	378	rBV	3703200	4131431	72.79%	6.162%
5	6.499	383	386	389	rBV	3690971	3416434	60.19%	5.096%
6	6.727	404	406	408	rBV	1430249	1150686	20.27%	1.716%
7	6.819	411	414	416	rBV	314398	280167	4.94%	0.418%
8	6.887	417	420	422	rBV	4831544	4280700	75.42%	6.385%
9	7.299	452	456	458	rBV	3407695	3939610	69.41%	5.876%
10	7.424	462	467	469	rBV	175387	271767	4.79%	0.405%
11	8.019	516	519	521	rBV	2099399	2014420	35.49%	3.005%
12	8.979	601	603	608	rBV2	33669	59403	1.05%	0.089%
13	9.093	610	613	616	rBV	5081490	5675815	100.00%	8.466%
14	9.493	645	648	650	rBV	1047283	1058085	18.64%	1.578%
15	9.767	669	672	674	rBV	2335693	2102884	37.05%	3.137%
16	9.802	674	675	677	rVB	99241	75767	1.33%	0.113%
17	9.973	687	690	692	rBV	100047	122051	2.15%	0.182%
18	10.190	705	709	710	rBV	57625	73645	1.30%	0.110%
19	10.213	710	711	713	rVB	125999	102946	1.81%	0.154%
20	10.305	718	719	723	rVB	175862	200700	3.54%	0.299%
21	10.442	728	731	732	rBV2	43792	72460	1.28%	0.108%
22	10.465	732	733	736	rVB2	46367	70313	1.24%	0.105%
23	10.556	738	741	743	rBV	3244644	3407143	60.03%	5.082%
24	10.682	749	752	754	rBV	122884	236687	4.17%	0.353%
25	10.716	754	755	759	rVV	236412	286767	5.05%	0.428%
26	10.773	759	760	764	rVV3	49523	68472	1.21%	0.102%
27	11.002	778	780	783	rVB4	33810	63274	1.11%	0.094%
28	11.048	783	784	787	rVB	90816	81773	1.44%	0.122%
29	11.093	787	788	790	rBV2	37068	66399	1.17%	0.099%
30	11.139	790	792	793	rVV	179731	189990	3.35%	0.283%
31	11.162	793	794	797	rVB	53465	59793	1.05%	0.089%
32	11.242	799	801	802	rVV	1920197	1793136	31.59%	2.675%
33	11.322	805	808	809	rVB	344200	436309	7.69%	0.651%
34	11.470	820	821	822	rBV	99371	97384	1.72%	0.145%

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Integration Parameters: rteint.p
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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.562	826	829	832	rVB2	111347	180356	3.18%	0.269%
36	11.642	835	836	839	rVB	274397	354406	6.24%	0.529%
37	11.745	843	845	846	rBV	197270	162502	2.86%	0.242%
38	11.768	846	847	850	rVB	178948	225590	3.97%	0.336%
39	11.825	850	852	853	rVB	93173	124793	2.20%	0.186%
40	11.859	853	855	859	rVB	270606	463378	8.16%	0.691%
41	11.962	859	864	867	rBV3	50879	137777	2.43%	0.206%
42	12.042	869	871	876	rVB2	163451	226354	3.99%	0.338%
43	12.248	885	889	890	rBV2	40484	79860	1.41%	0.119%
44	12.293	891	893	895	rBV	141702	170776	3.01%	0.255%
45	12.328	895	896	899	rVV2	53786	82954	1.46%	0.124%
46	12.373	899	900	905	rVB2	107467	119666	2.11%	0.178%
47	12.453	905	907	909	rBV	2248477	1961343	34.56%	2.925%
48	12.511	909	912	914	rBV3	44981	94185	1.66%	0.140%
49	12.602	916	920	922	rBV3	64766	154868	2.73%	0.231%
50	12.648	922	924	925	rBV	405085	630918	11.12%	0.941%
51	12.682	925	927	929	rVV	1184224	1601270	28.21%	2.388%
52	12.728	929	931	935	rVB	90379	104716	1.84%	0.156%
53	12.796	935	937	938	rBV	105565	96181	1.69%	0.143%
54	12.831	938	940	943	rVB	4372271	4499193	79.27%	6.711%
55	12.899	943	946	950	rBV3	117101	227490	4.01%	0.339%
56	13.002	952	955	957	rVB2	198138	384579	6.78%	0.574%
57	13.071	959	961	963	rBV2	195430	213068	3.75%	0.318%
58	13.105	963	964	968	rVB3	147605	216181	3.81%	0.322%
59	13.196	971	972	974	rVB	70900	84421	1.49%	0.126%
60	13.231	974	975	978	rBV	108415	131765	2.32%	0.197%
61	13.311	980	982	985	rVB2	115741	142009	2.50%	0.212%
62	13.494	996	998	1003	rBV2	128726	326511	5.75%	0.487%
63	13.619	1007	1009	1010	rVV	196839	275451	4.85%	0.411%
64	13.654	1010	1012	1013	rVV	208322	332390	5.86%	0.496%
65	13.756	1016	1021	1023	rVV3	818815	1443366	25.43%	2.153%
66	13.802	1023	1025	1027	rVB3	85978	122131	2.15%	0.182%
67	13.871	1028	1031	1037	rVB2	1746172	2984035	52.57%	4.451%
68	13.974	1038	1040	1042	rBV2	144145	159113	2.80%	0.237%
69	14.259	1063	1065	1067	rVB	121118	109024	1.92%	0.163%
70	14.294	1067	1068	1070	rVB	93024	71582	1.26%	0.107%
71	14.351	1071	1073	1074	rBV	65458	72803	1.28%	0.109%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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72	14.385	1074	1076	1079	rVB4	89370	211563	3.73%	0.316%
73	14.877	1116	1119	1123	rBV	704923	1224072	21.57%	1.826%
74	14.968	1126	1127	1129	rVB	157797	193738	3.41%	0.289%
75	15.151	1140	1143	1145	rVB	356777	435042	7.66%	0.649%
76	15.208	1145	1148	1150	rVV	451281	634996	11.19%	0.947%
77	15.265	1150	1153	1159	rVB2	996338	1481721	26.11%	2.210%
78	15.711	1190	1192	1195	rBV3	69004	118538	2.09%	0.177%
79	15.768	1195	1197	1203	rVB4	71841	137956	2.43%	0.206%
80	15.928	1209	1211	1216	rVB	459899	814949	14.36%	1.216%
81	16.568	1264	1267	1272	rVB2	257095	477676	8.42%	0.712%
82	16.957	1298	1301	1307	rVB	183709	372576	6.56%	0.556%
83	17.162	1316	1319	1323	rVB	107524	239840	4.23%	0.358%
84	18.945	1470	1475	1483	rVB3	55854	230560	4.06%	0.344%

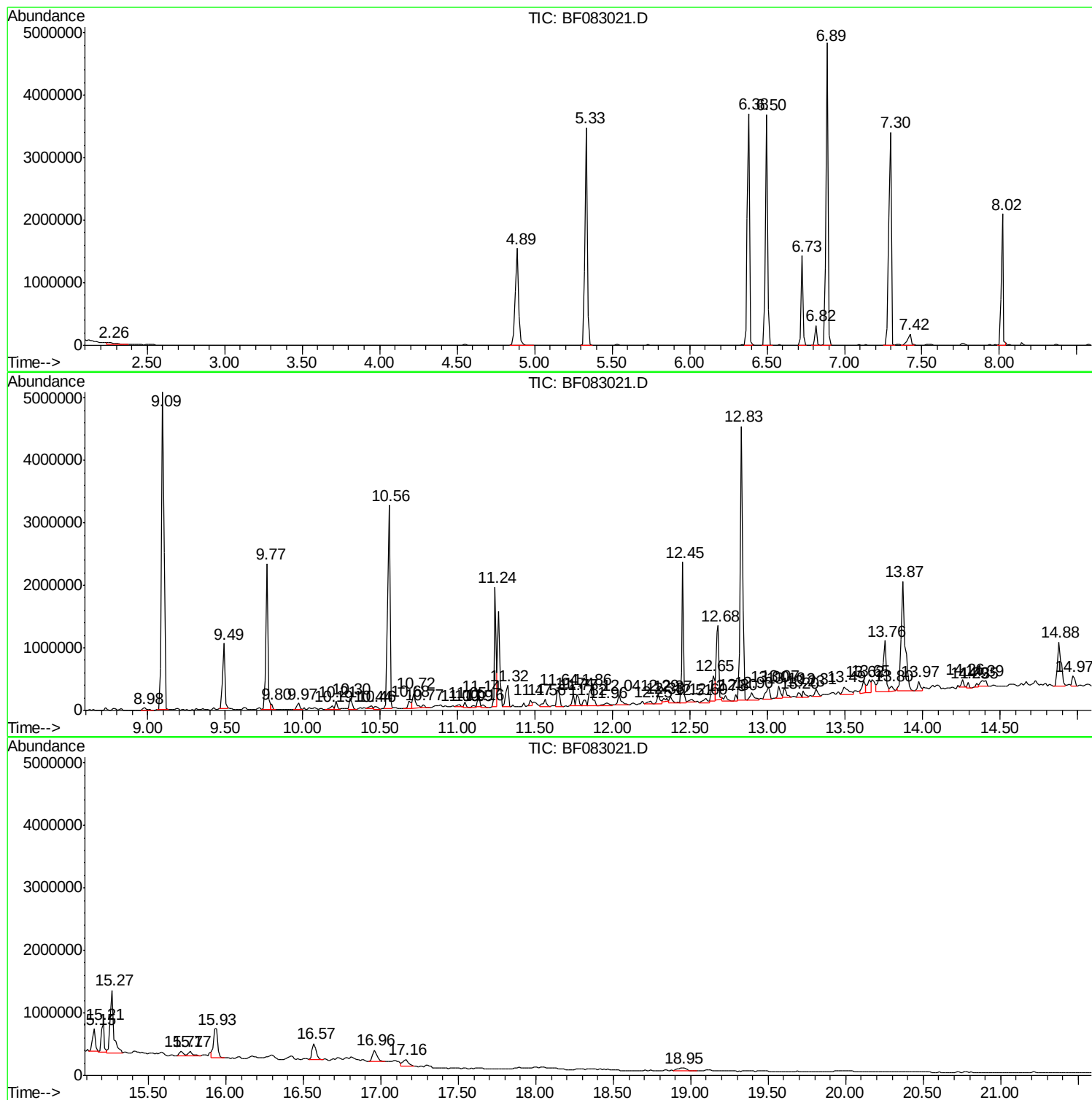
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Instrument :
BNA_F
ClientSampled :
LIBERTY SF_002

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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Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002

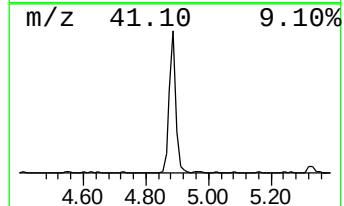
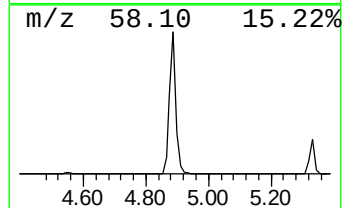
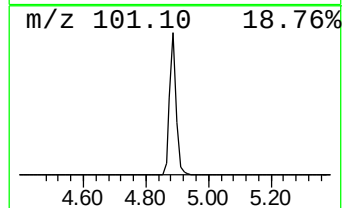
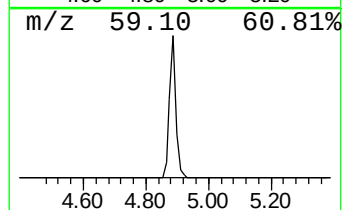
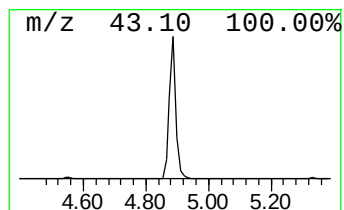
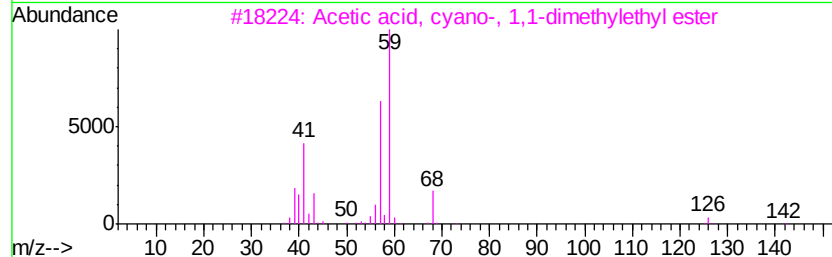
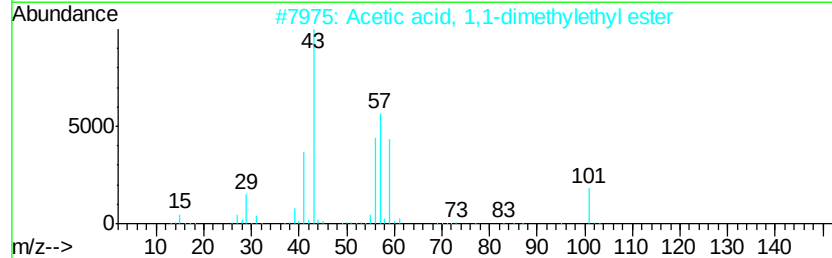
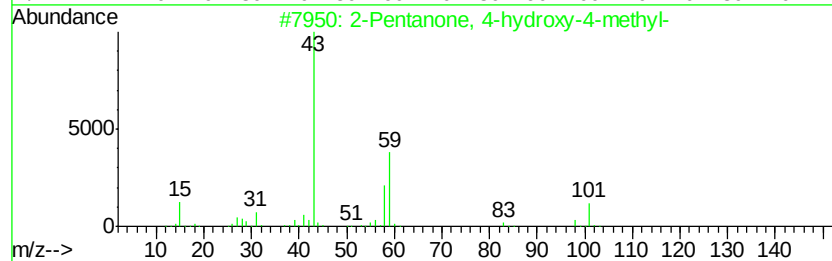
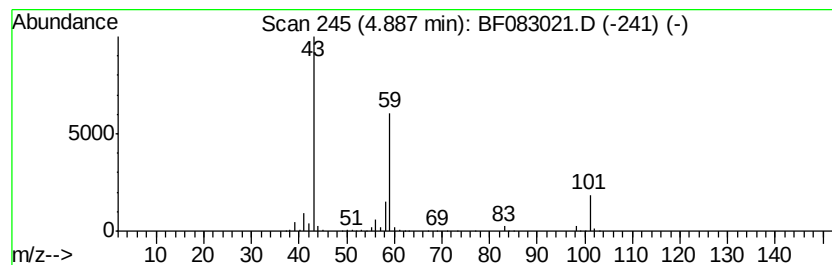
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	38.01 ng	2187000	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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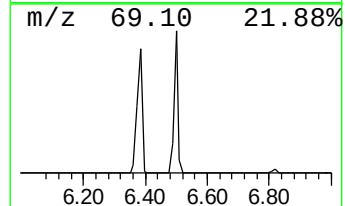
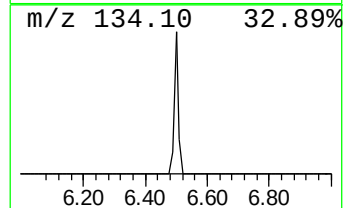
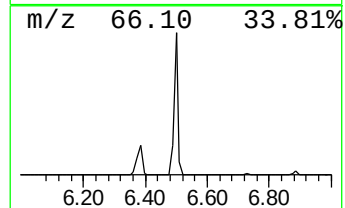
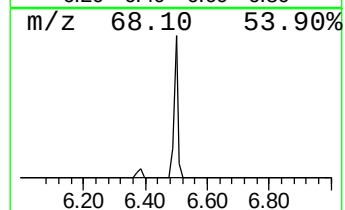
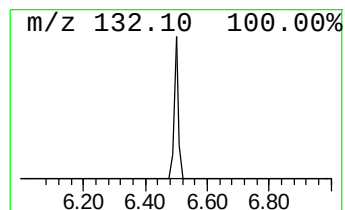
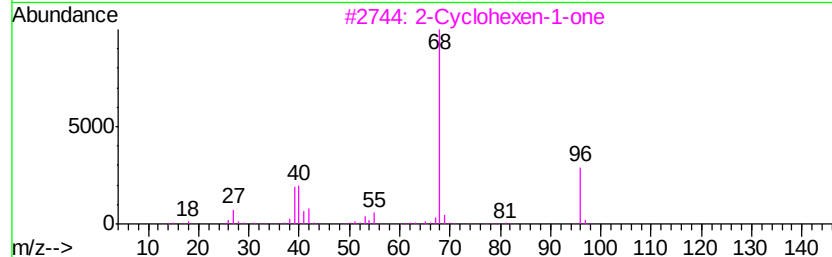
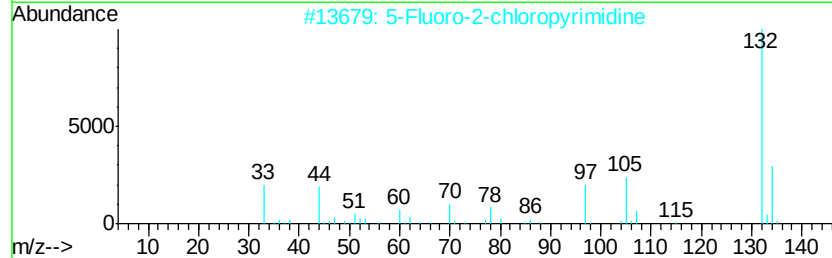
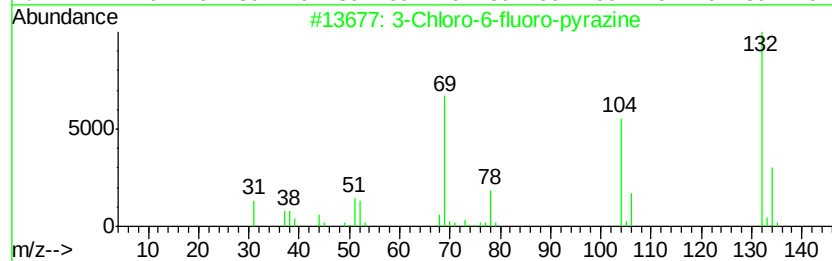
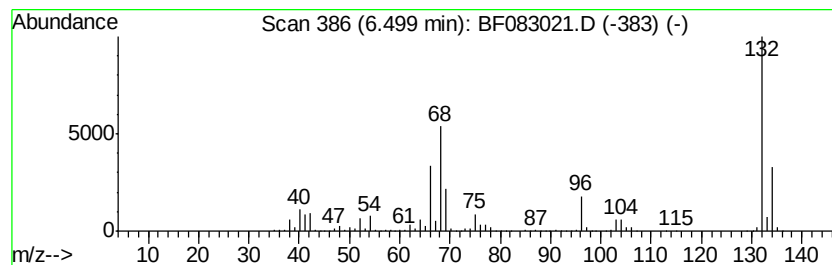
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.50 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	59.38 ng	3416430	1,4-Dichlorobenzene-d4	6.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10		
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10		



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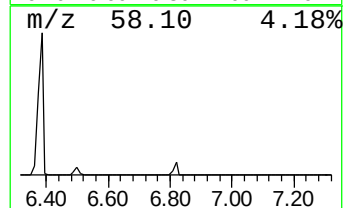
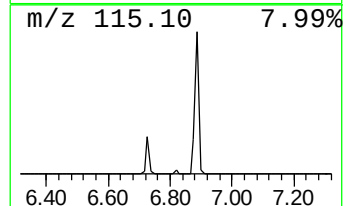
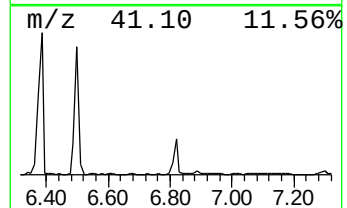
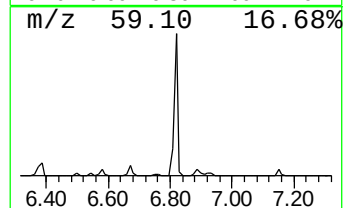
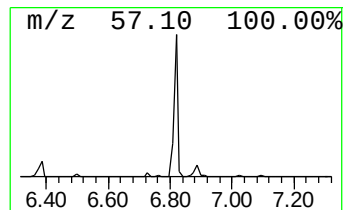
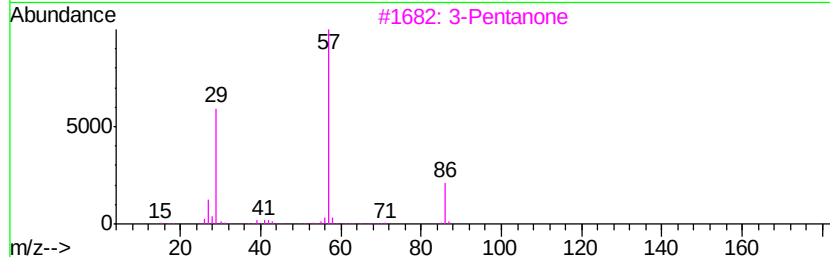
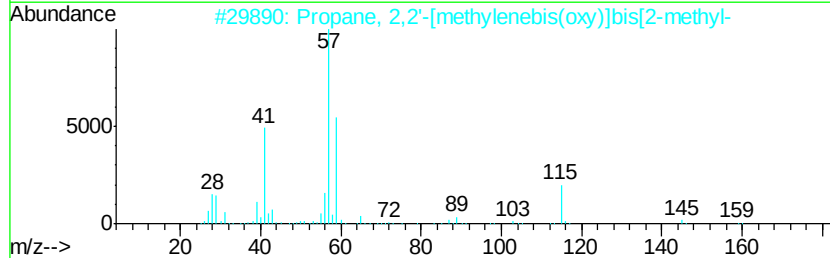
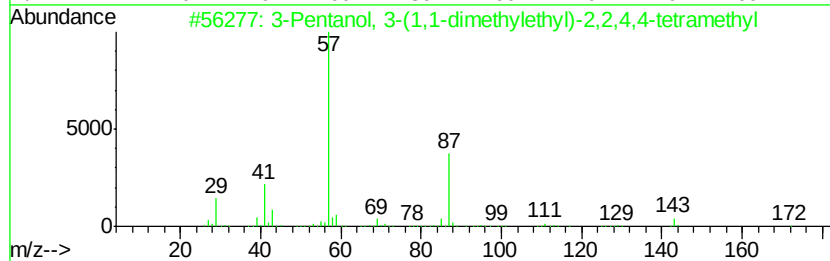
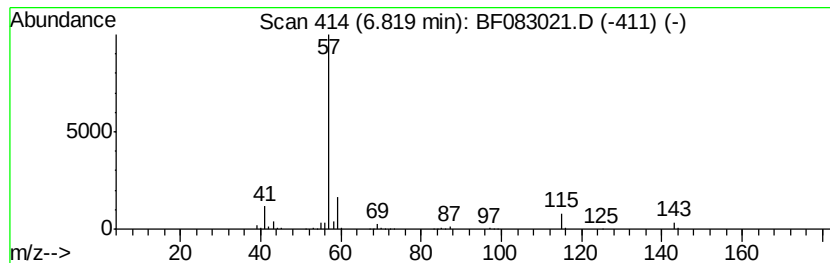
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	4.87 ng	280167	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Pentanol, 3-(1,1-dimethylethyl)...	200	C13H28O	041902-42-5	33
2		Propane, 2,2'-[methylenebis(oxy)]...	160	C9H20O2	002568-93-6	9
3		3-Pentanone	86	C5H10O	000096-22-0	9
4		Propane, 1-(1,1-dimethylethoxy)-...	130	C8H18O	033021-02-2	9
5		Hexane, 3,4-bis(1,1-dimethylethy...	254	C18H38	062850-21-9	9



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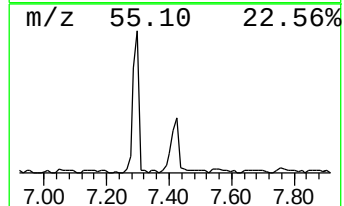
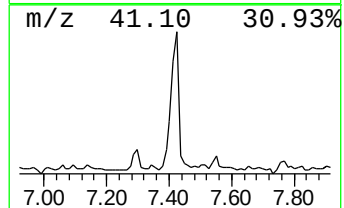
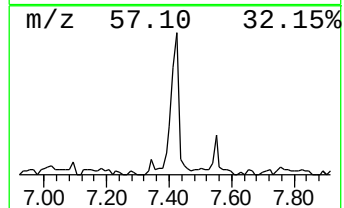
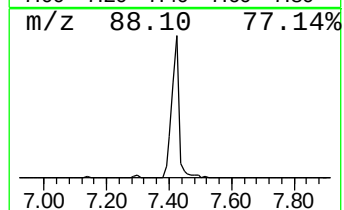
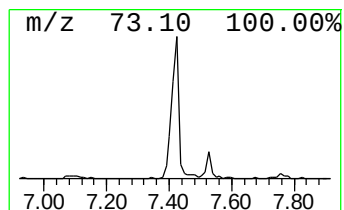
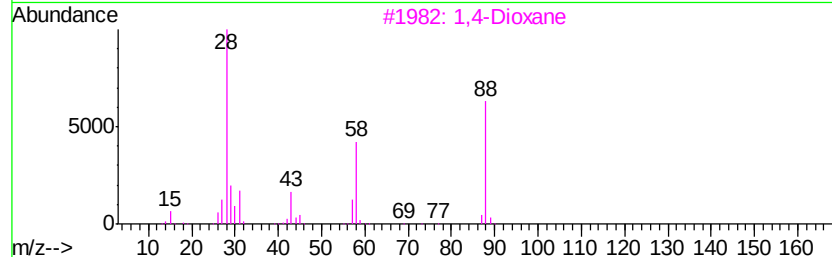
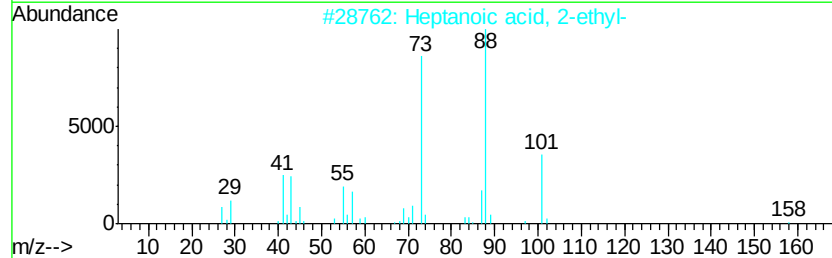
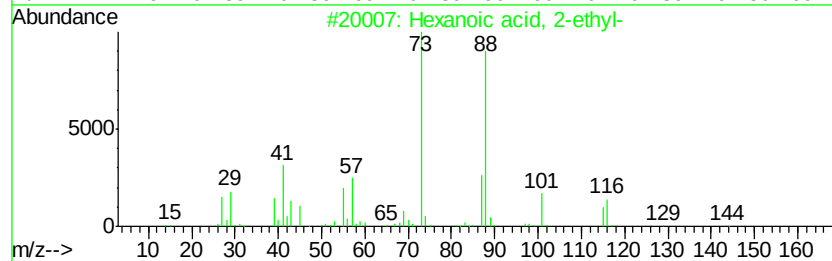
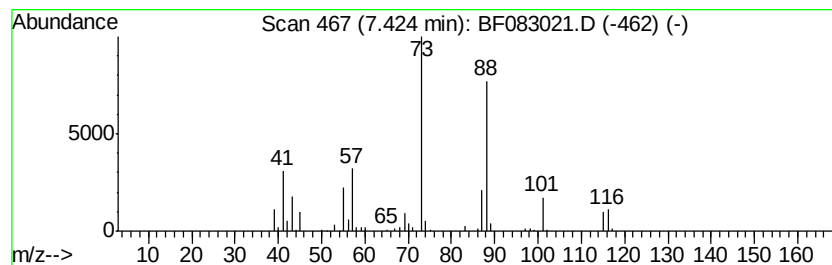
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	2.70 ng	271767	Naphthalene-d8	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2		Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
3		1,4-Dioxane	88	C4H8O2	000123-91-1	43
4		Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
5		Acetic acid, diethyl-	116	C6H12O2	000088-09-5	36



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083021.D
Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

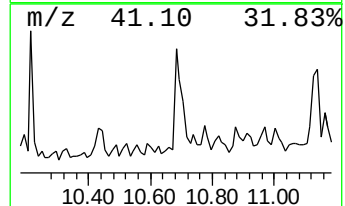
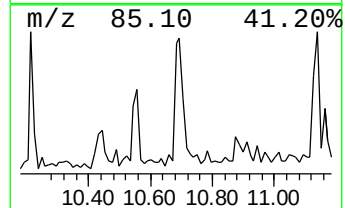
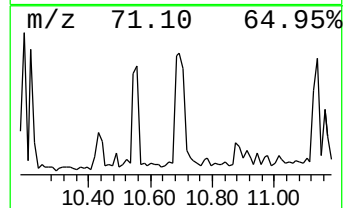
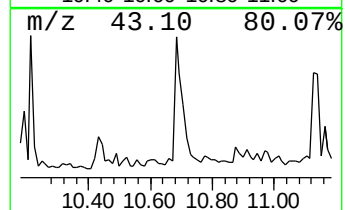
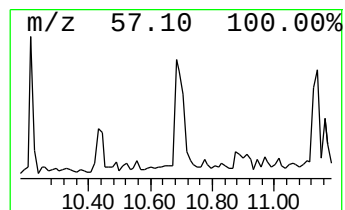
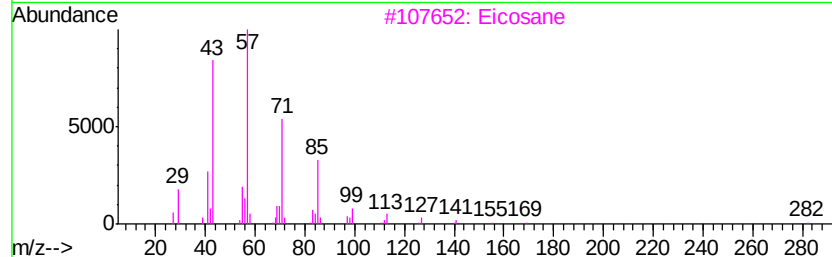
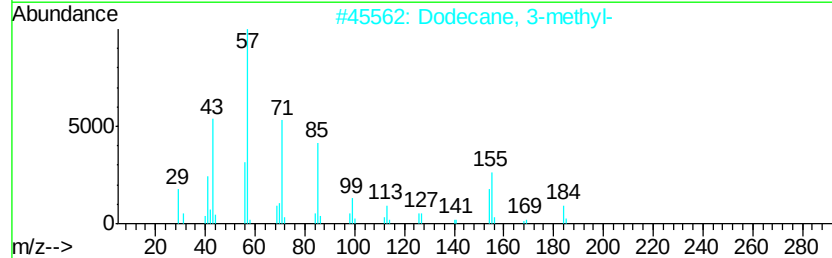
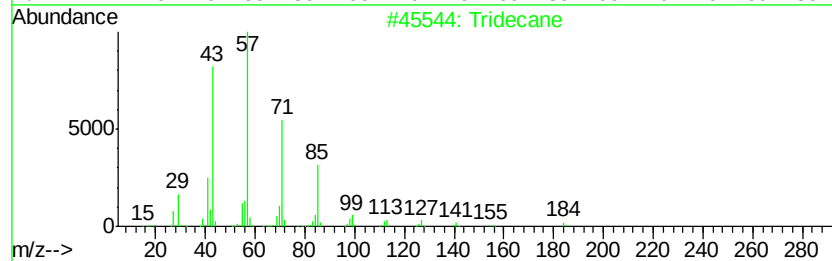
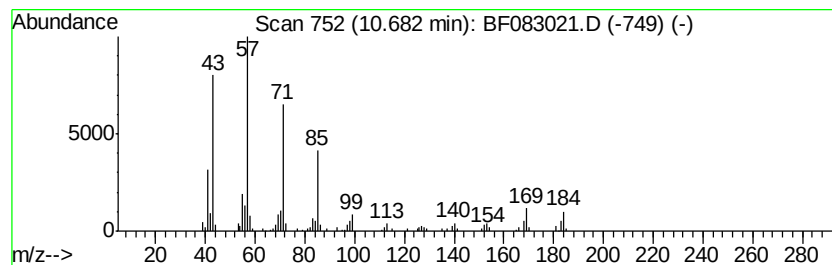
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.68	2.64 ng	236687	Phenanthrene-d10		11.24
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	68
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
3	Eicosane	282	C20H42	000112-95-8	62
4	Hexadecane	226	C16H34	000544-76-3	58
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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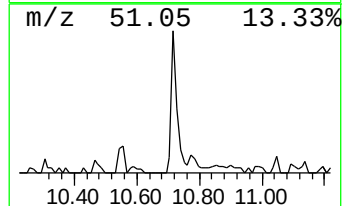
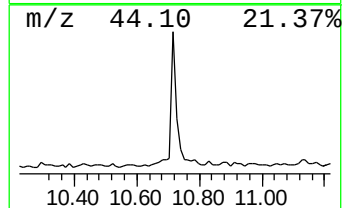
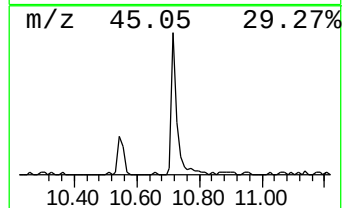
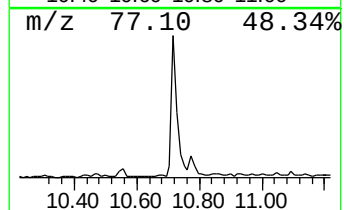
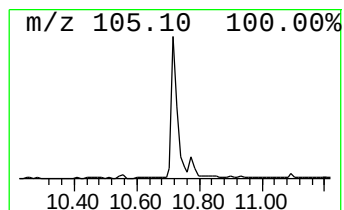
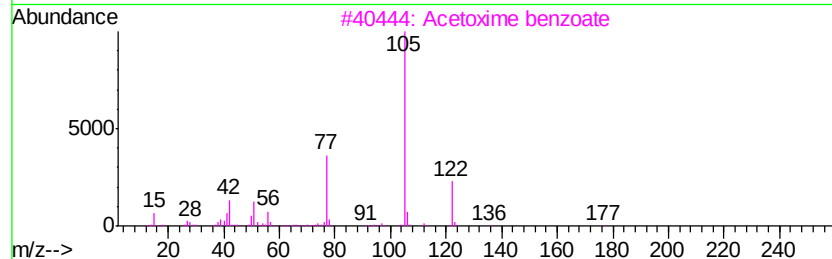
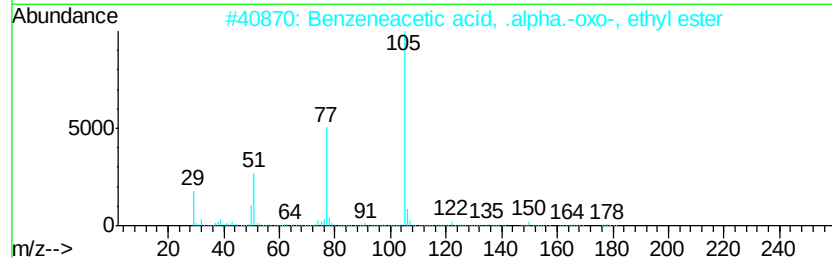
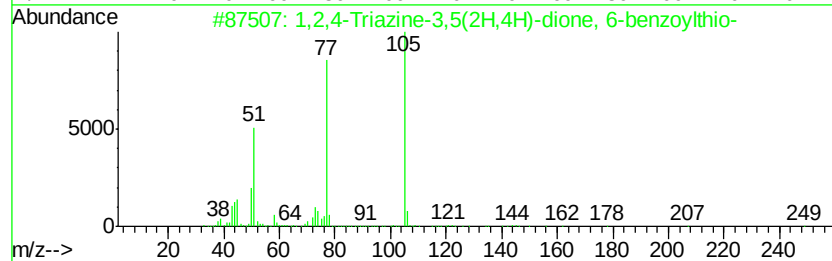
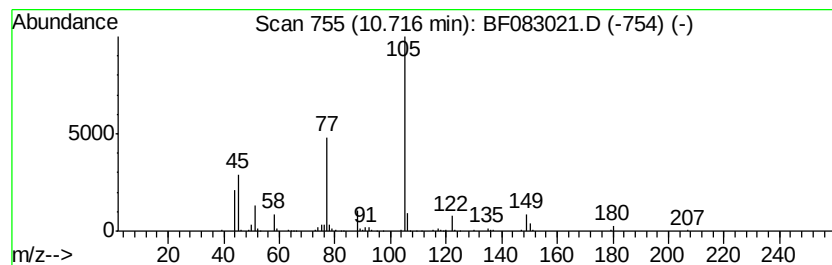
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown10.72 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	3.20 ng	286767	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4-Triazine-3,5(2H,4H)-dione,...	249	C10H7N3O3S	024168-34-1	47
2		Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	43
3		Acetoxime benzoate	177	C10H11NO2	000942-89-2	43
4		1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	38
5		2-Benzoyloxyacetophenone	240	C15H12O3	004010-33-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 18 Nov 2015 21:27
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Sample : G4480-01
Misc :
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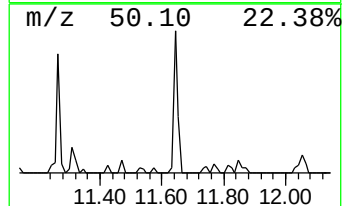
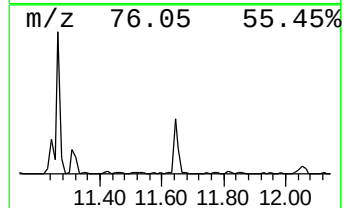
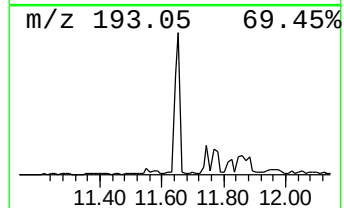
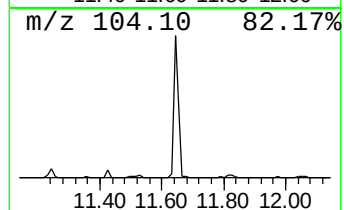
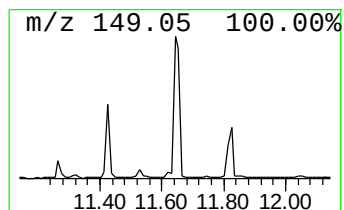
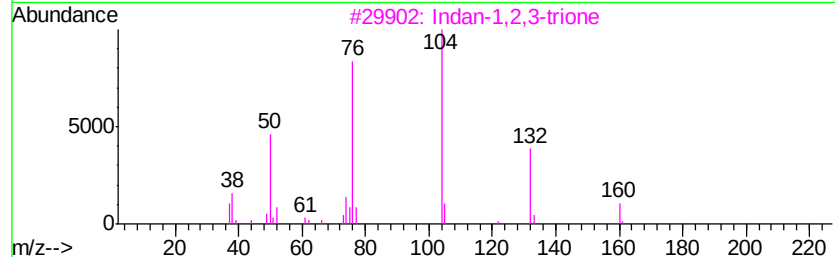
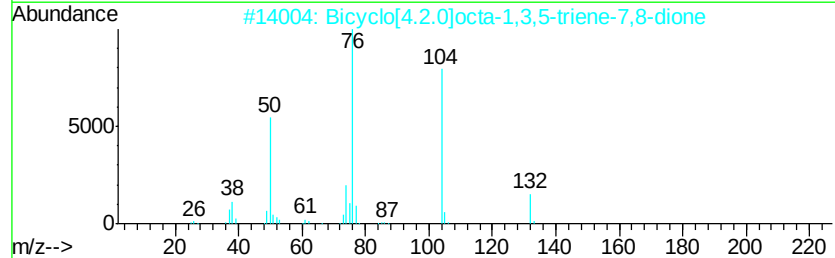
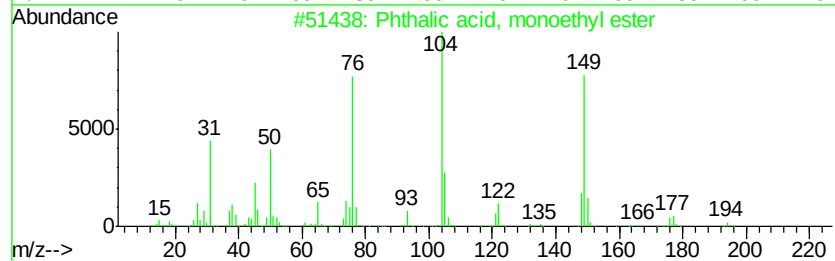
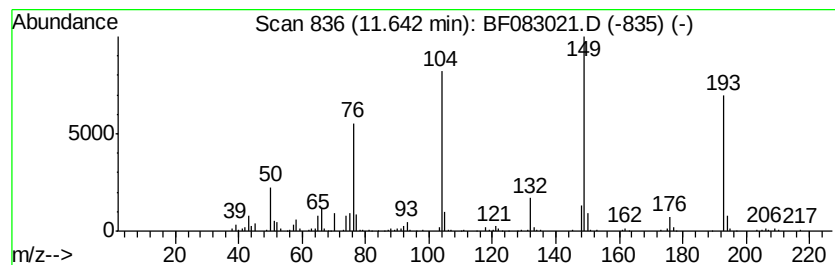
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown11.64 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	3.95 ng	354406	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	40
2		Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	35
3		Indan-1,2,3-trione	160	C9H4O3	000938-24-9	35
4		1,2-Benzenedicarboxylic acid, mo...	180	C9H8O4	004376-18-5	35
5		Indan-1,3-dione, 2-methylimine, ...	189	C10H7NO3	1000284-23-9	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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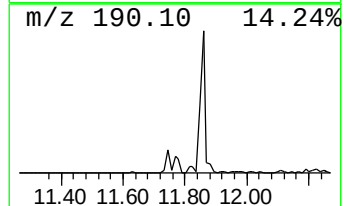
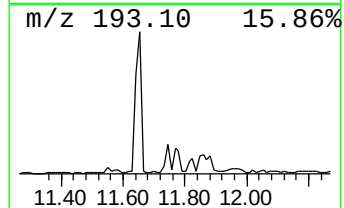
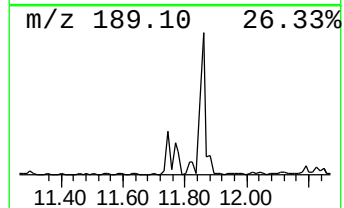
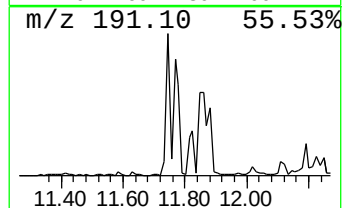
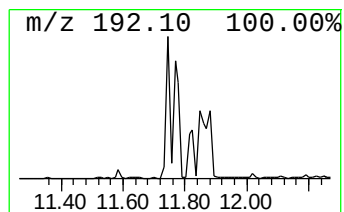
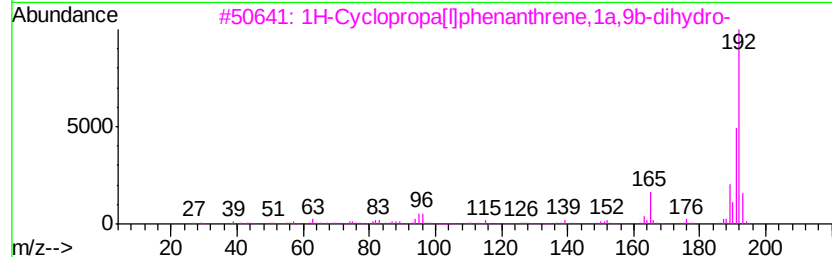
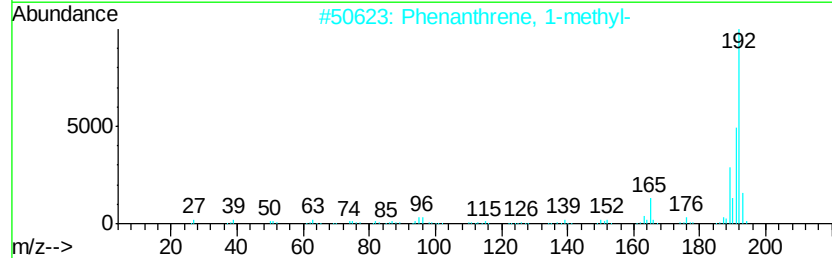
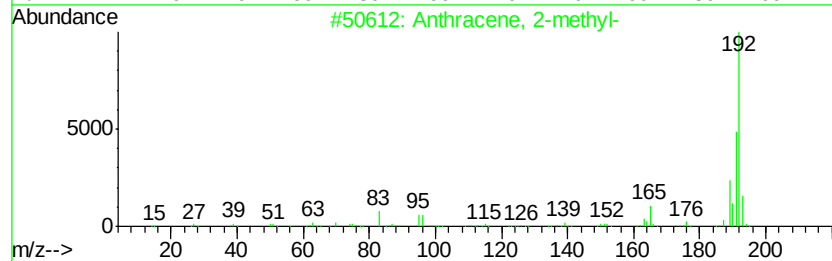
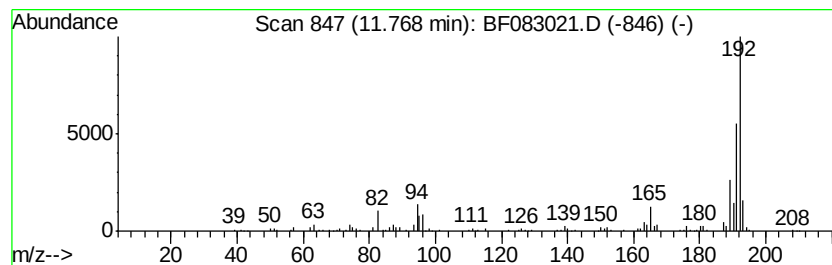
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.52 ng	225590	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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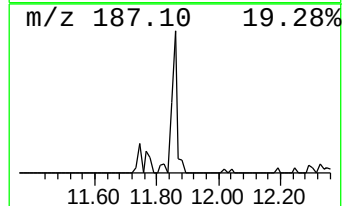
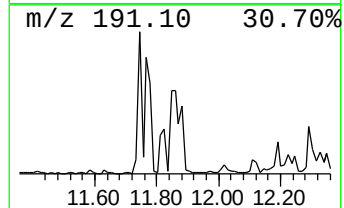
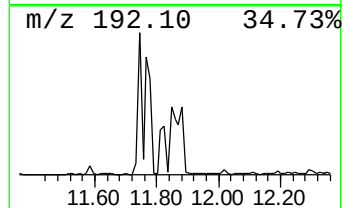
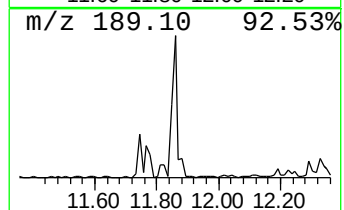
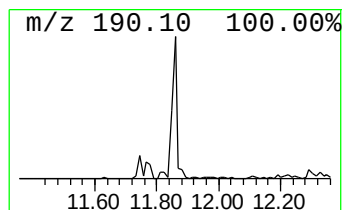
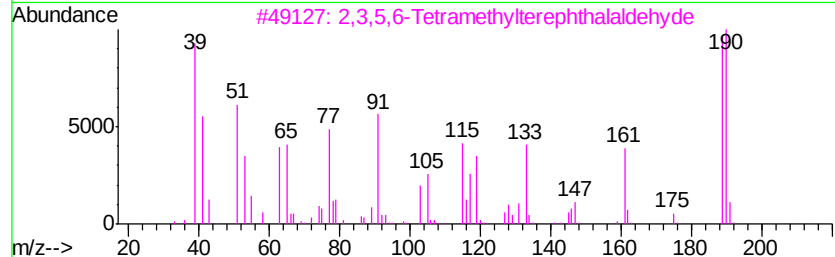
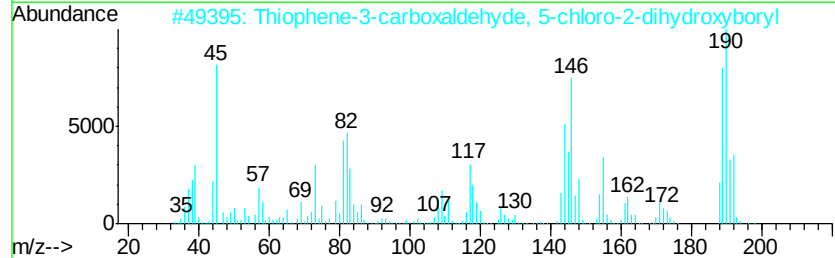
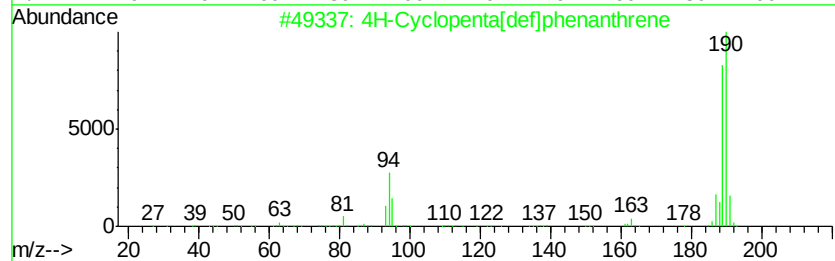
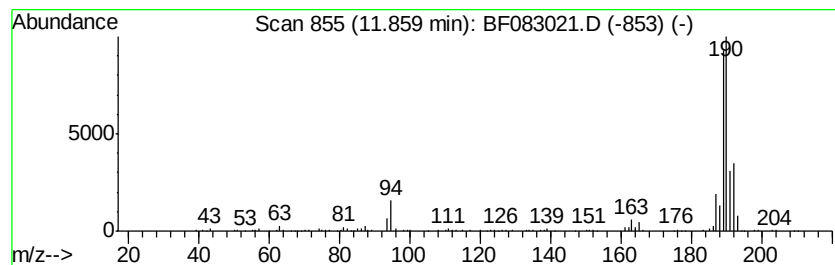
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	5.17 ng	463378	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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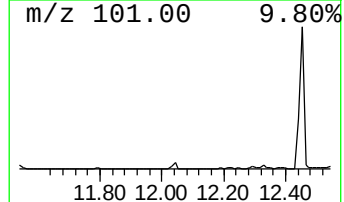
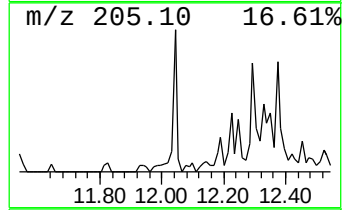
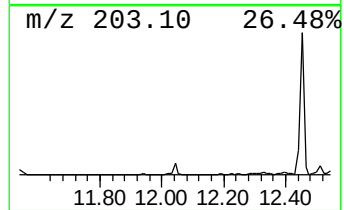
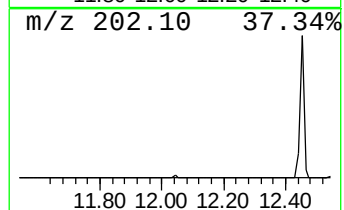
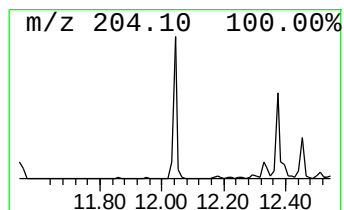
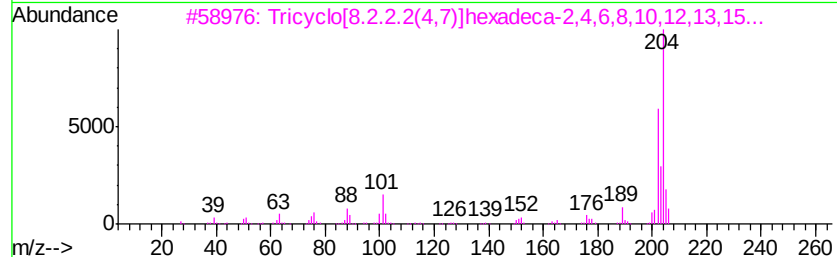
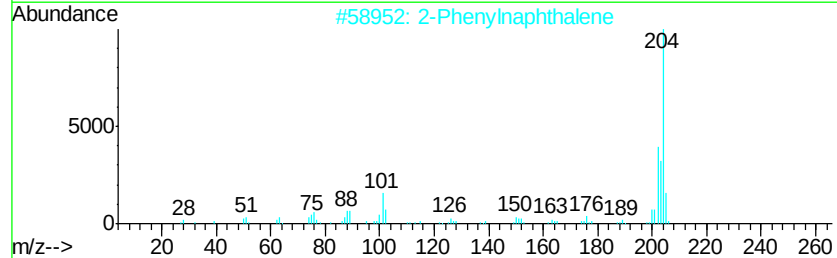
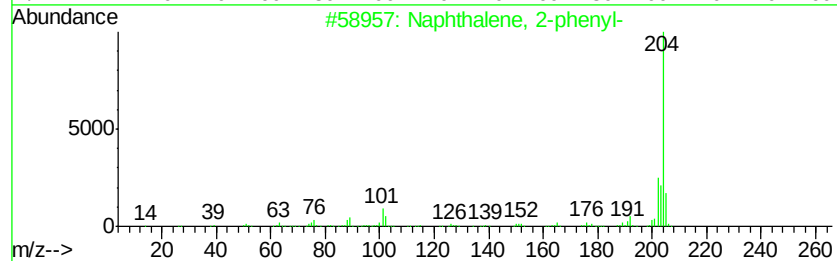
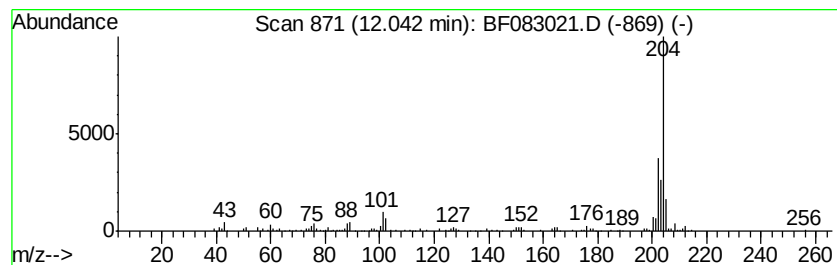
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.52 ng	226354	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 18 Nov 2015 21:27
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
LIBERTY SF_002

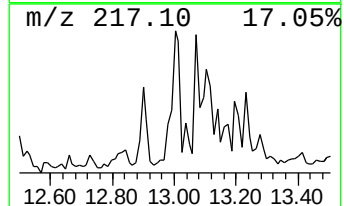
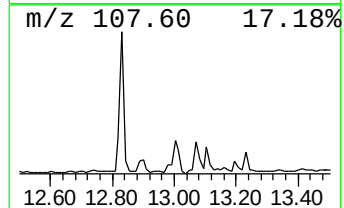
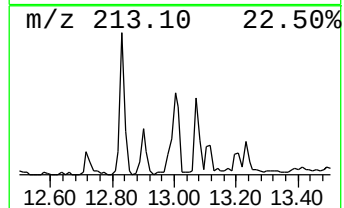
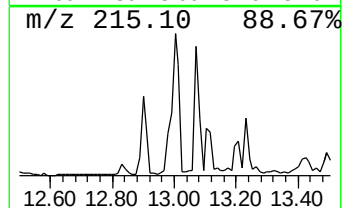
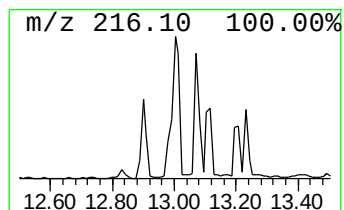
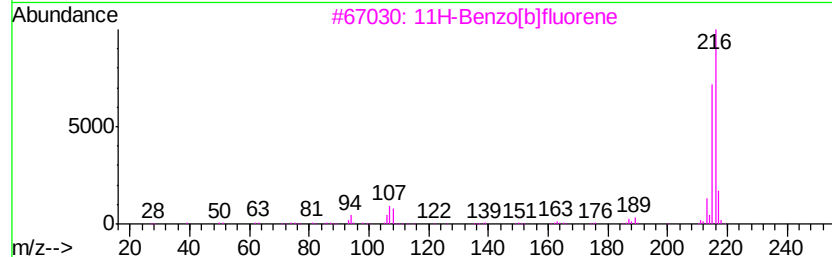
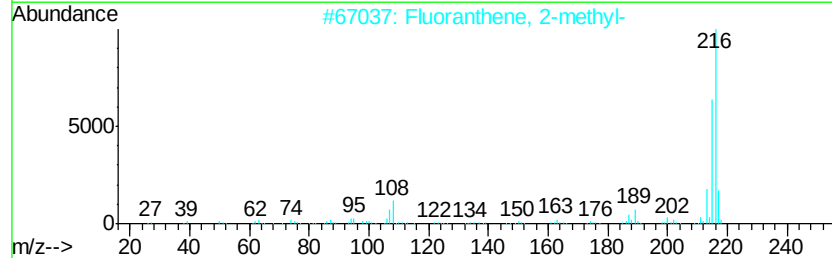
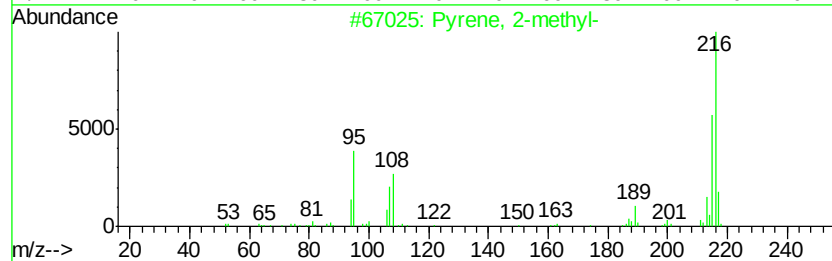
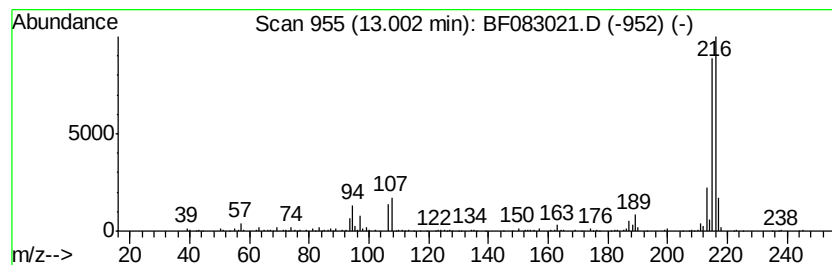
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.58 ng	384579	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083021.D
Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002

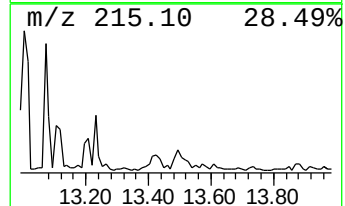
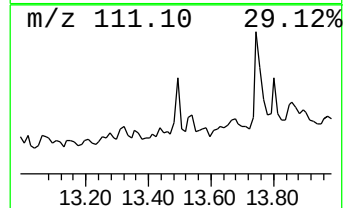
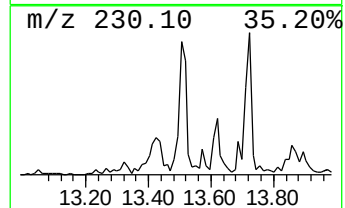
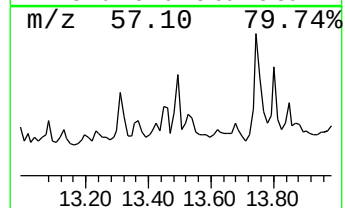
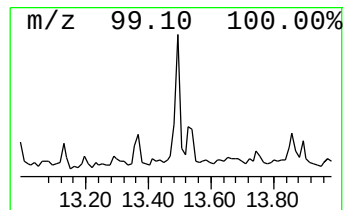
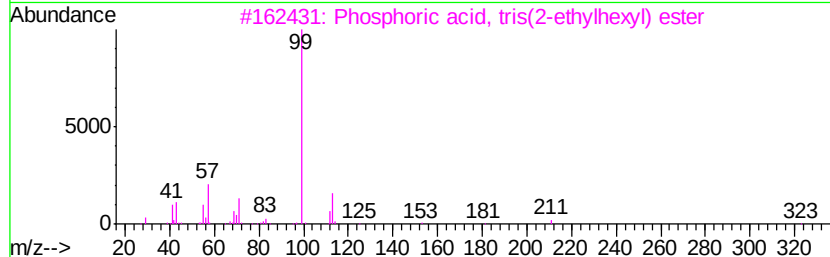
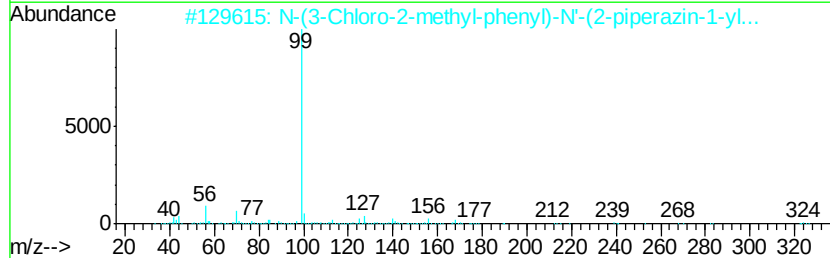
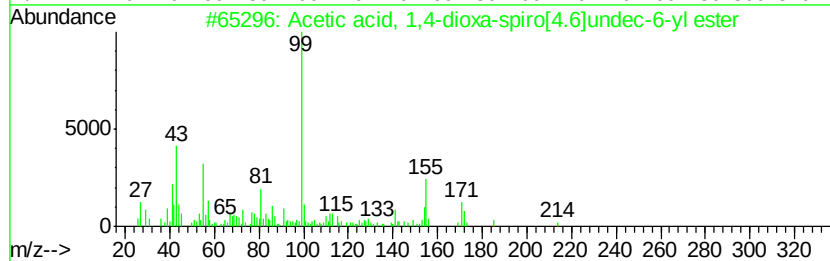
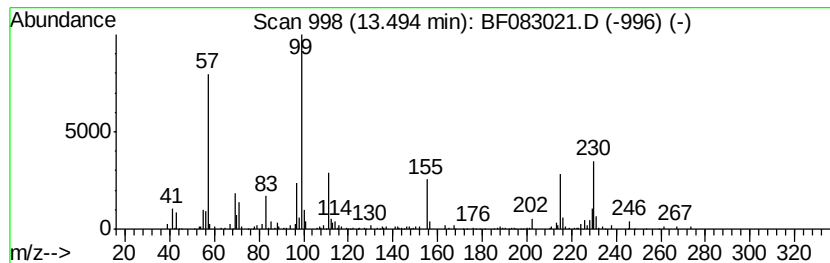
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown13.49 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.19 ng	326511	Chrysene-d12	13.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 1,4-dioxo-spiro[4.6]undec-6-yl ester	214	C11H18O4	1000192-97-1	38
2			N-(3-Chloro-2-methyl-phenyl)-N'-(2-piperazin-1-yl)phthalimide	324	C15H21ClN4O2	1000294-79-6	27
3			Phosphoric acid, tris(2-ethylhexyl) ester	434	C24H51O4P	000078-42-2	27
4			2H-Pyran-2-one, tetrahydro-6-nonyl-	226	C14H26O2	002721-22-4	17
5			1,4-Dioxaspiro[4.5]decane, 8-ethyl-	186	C10H18O3	055103-52-1	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

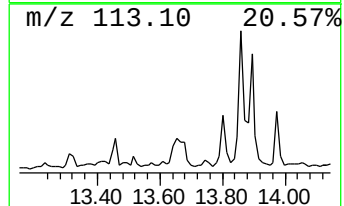
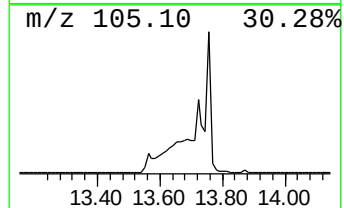
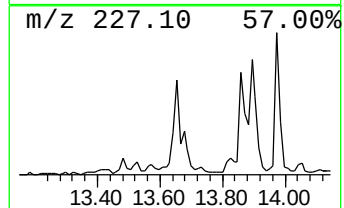
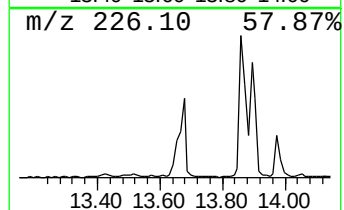
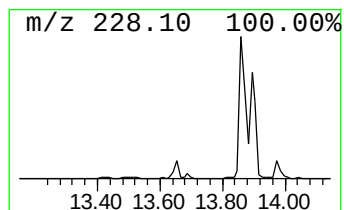
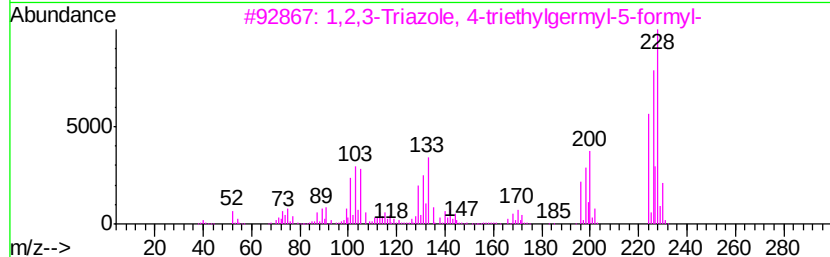
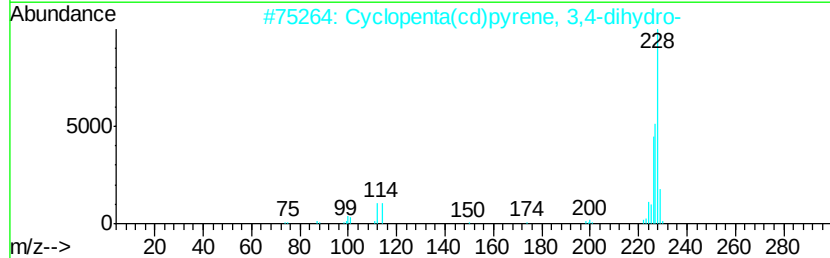
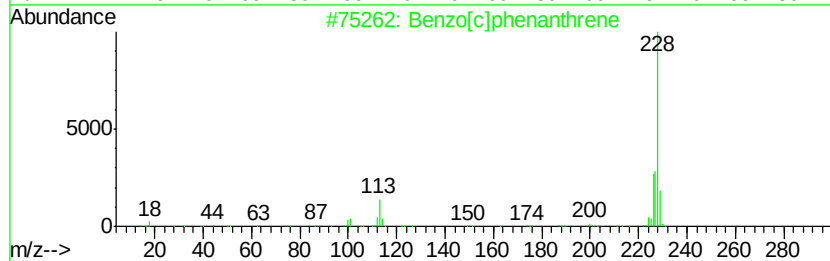
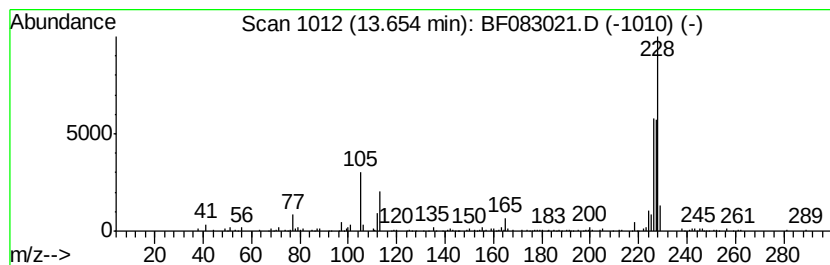
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown13.65 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.65	2.23 ng	332390	Chrysene-d12	13.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	41
3	1,2,3-Triazole, 4-triethylgermyl...	257	C9H17GeN3O	184588-50-9	36
4	Benz[a]anthracene	228	C18H12	000056-55-3	35
5	Chrysene	228	C18H12	000218-01-9	17



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083021.D
Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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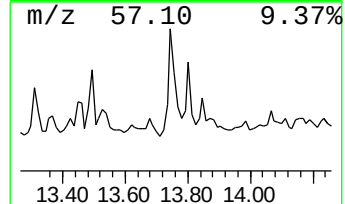
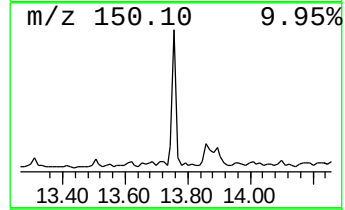
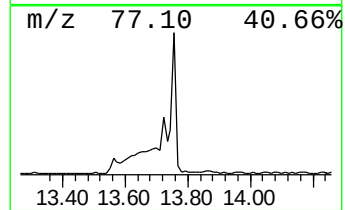
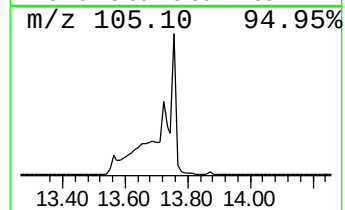
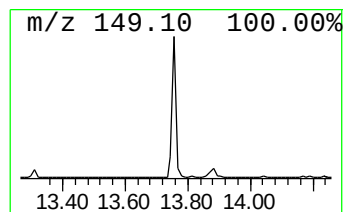
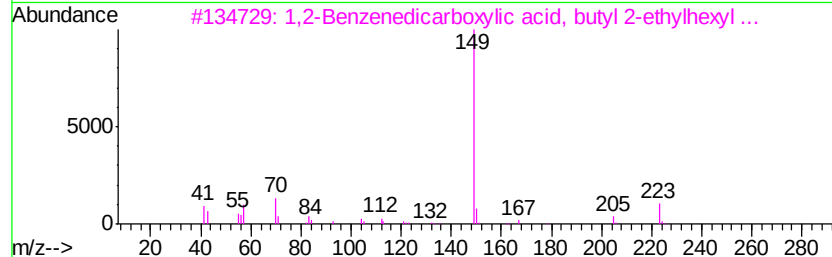
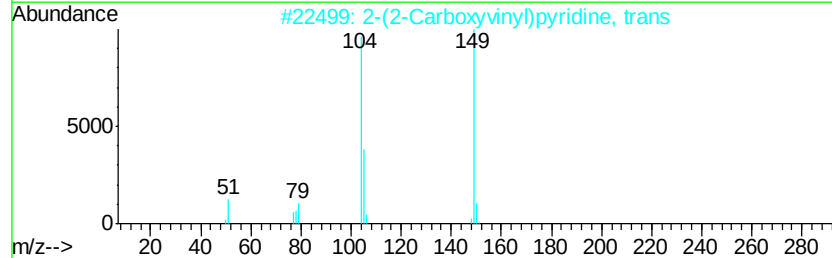
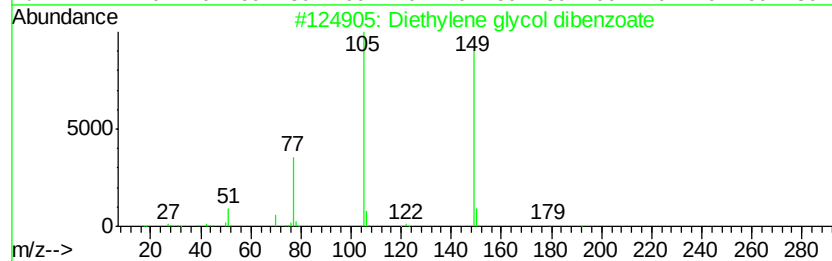
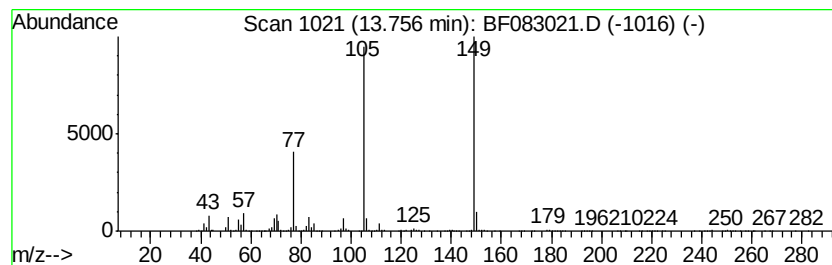
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Diethylene glycol dibenzoate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	9.67 ng	1443370	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	72
2		2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	46
3		1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	43
4		1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	40
5		N-Benzyl-2-aminocinnamate, methy...	267	C17H17NO2	1000079-39-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083021.D
Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LIBERTY SF_002

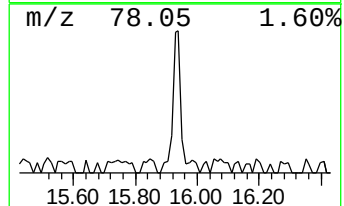
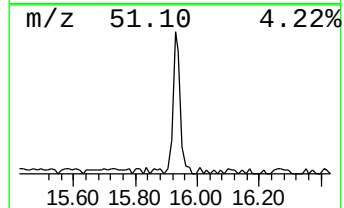
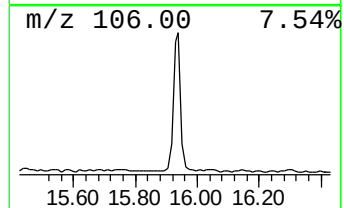
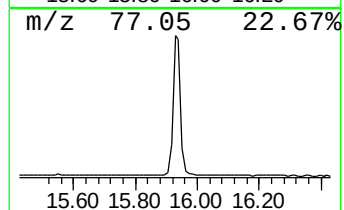
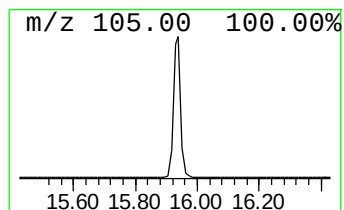
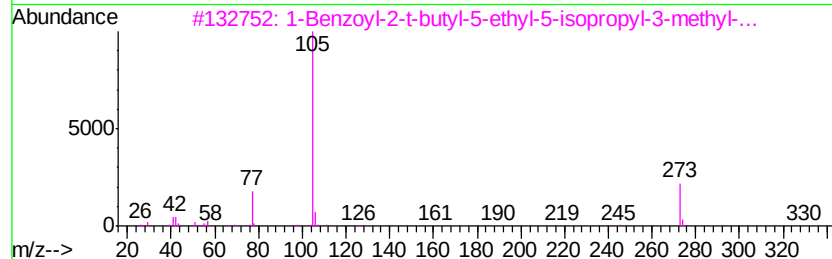
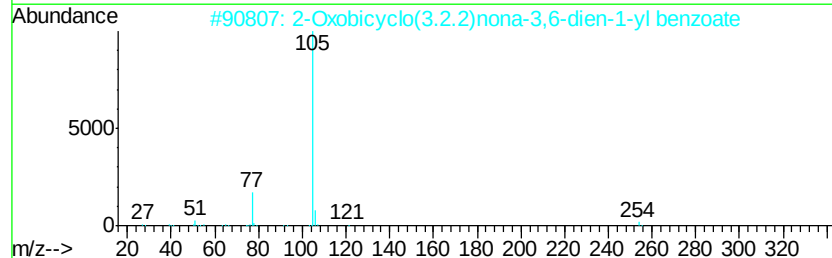
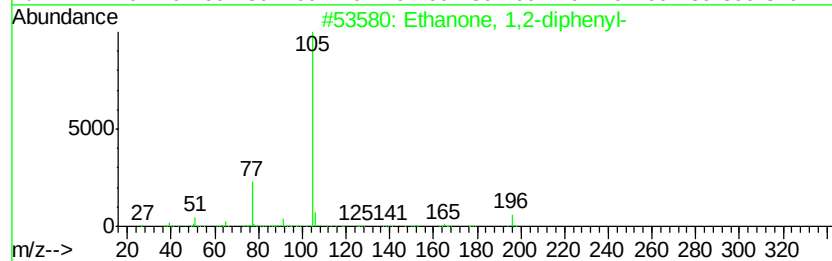
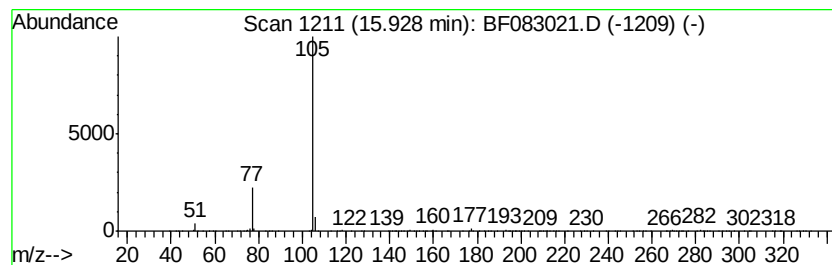
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Ethanone, 1,2-diphenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	11.00 ng	814949	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1,2-diphenyl-	196	C14H12O	000451-40-1	64
2		2-Oxobicyclo(3.2.2)nona-3,6-dien...	254	C16H14O3	073830-87-2	64
3		1-Benzoyl-2-t-butyl-5-ethyl-5-is...	330	C20H30N2O2	098262-59-0	59
4		2,3,4-O-Tribenzoyl-l-ribose...	464	C26H21F07	1000129-81-2	56
5		1,4-Butanediol, dibenzoate	298	C18H18O4	019224-27-2	56



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083021.D
Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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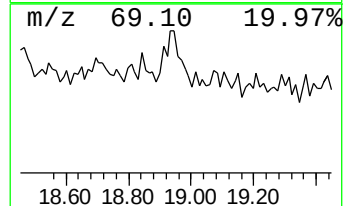
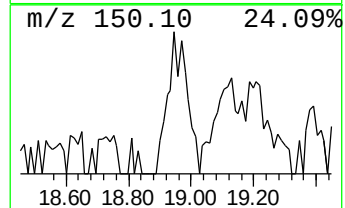
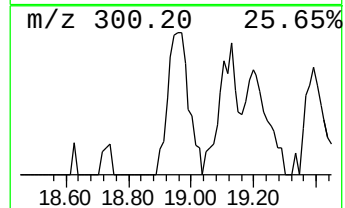
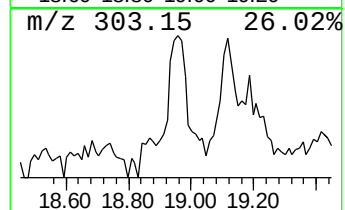
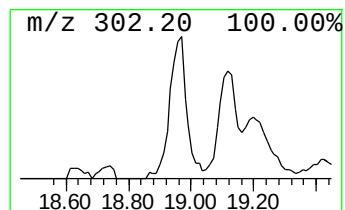
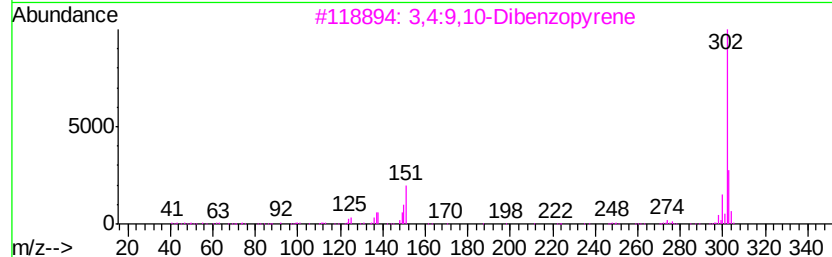
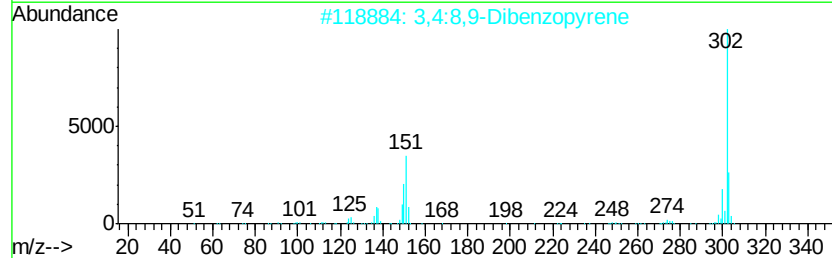
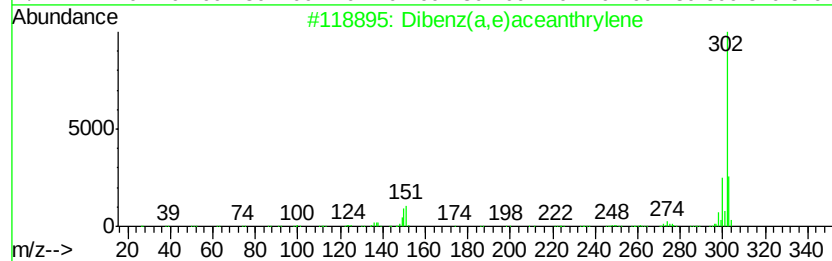
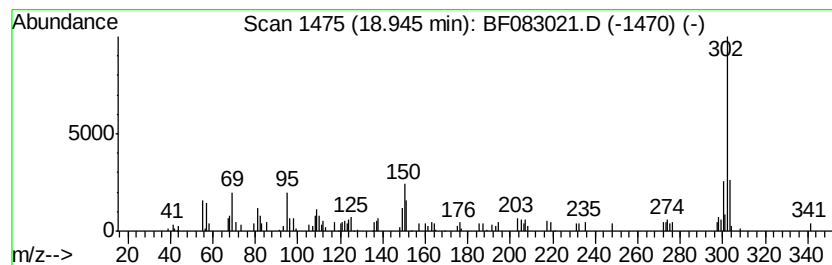
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	3.11 ng	230560	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	70
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	60
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	58
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083021.D
 Acq On : 18 Nov 2015 21:27
 Operator : UM/IZ
 Sample : G4480-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002

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...	4.89	38.0	ng	2187000	1	6.73	1150690	20.0
unknown6.50	6.50	59.4	ng	3416430	1	6.73	1150690	20.0
unknown6.82	6.82	4.9	ng	280167	1	6.73	1150690	20.0
Hexanoic acid, 2-...	7.42	2.7	ng	271767	2	8.02	2014420	20.0
Tridecane	10.68	2.6	ng	236687	4	11.24	1793140	20.0
unknown10.72	10.72	3.2	ng	286767	4	11.24	1793140	20.0
unknown11.64	11.64	4.0	ng	354406	4	11.24	1793140	20.0
Anthracene, 2-met...	11.77	2.5	ng	225590	4	11.24	1793140	20.0
4H-Cyclopenta[def...	11.86	5.2	ng	463378	4	11.24	1793140	20.0
Naphthalene, 2-ph...	12.04	2.5	ng	226354	4	11.24	1793140	20.0
Pyrene, 2-methyl-	13.00	2.6	ng	384579	5	13.87	2984040	20.0
unknown13.49	13.49	2.2	ng	326511	5	13.87	2984040	20.0
unknown13.65	13.65	2.2	ng	332390	5	13.87	2984040	20.0
Diethylene glycol...	13.76	9.7	ng	1443370	5	13.87	2984040	20.0
Ethanone, 1,2-dip...	15.93	11.0	ng	814949	6	15.27	1481720	20.0
Dibenz(a,e)aceant...	18.95	3.1	ng	230560	6	15.27	1481720	20.0