

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083429.D
 Acq On : 2 Dec 2015 20:48
 Operator : UM/IZ
 Sample : G4584-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(8-11.8)

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-BF113015.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	1.938	21	22	53	rVB2	106700	555182	9.25%	0.713%
2	4.601	253	255	257	rBV	96082	157016	2.62%	0.202%
3	4.647	257	259	275	rVB	873127	1683922	28.07%	2.162%
4	5.127	299	301	304	rBV	4144080	5040725	84.01%	6.471%
5	6.213	394	396	402	rBV	4957076	5601441	93.36%	7.191%
6	6.316	402	405	407	rBV	5588908	5530747	92.18%	7.100%
7	6.533	422	424	427	rBV	811418	931343	15.52%	1.196%
8	6.693	436	438	441	rBV	3889587	3861393	64.36%	4.957%
9	7.116	472	475	477	rBV	3491992	3930112	65.50%	5.045%
10	7.607	517	518	525	rVB2	61457	96617	1.61%	0.124%
11	7.847	535	539	541	rVV2	1441942	2555938	42.60%	3.281%
12	8.213	568	571	574	rBV3	77781	118636	1.98%	0.152%
13	8.533	597	599	602	rBV	411014	524040	8.73%	0.673%
14	8.636	605	608	610	rBV	436563	400104	6.67%	0.514%
15	8.785	619	621	625	rVB2	71648	104832	1.75%	0.135%
16	8.910	629	632	634	rVV	5796010	6000007	100.00%	7.703%
17	9.002	638	640	642	rVV	243034	233962	3.90%	0.300%
18	9.093	646	648	652	rVB	231772	257625	4.29%	0.331%
19	9.162	652	654	656	rBV	99600	147034	2.45%	0.189%
20	9.242	659	661	662	rBV	128959	194232	3.24%	0.249%
21	9.310	665	667	669	rVV	1204081	1079853	18.00%	1.386%
22	9.356	669	671	674	rVB2	69986	121021	2.02%	0.155%
23	9.436	676	678	679	rVB	112658	124351	2.07%	0.160%
24	9.528	683	686	688	rBV	120790	159465	2.66%	0.205%
25	9.573	688	690	691	rVV	1433918	1436407	23.94%	1.844%
26	9.608	691	693	695	rVB	858748	1021593	17.03%	1.312%
27	9.779	705	708	710	rBV3	103696	165364	2.76%	0.212%
28	9.893	716	718	724	rVB2	58524	123238	2.05%	0.158%
29	10.030	727	730	731	rVB3	162024	197388	3.29%	0.253%
30	10.110	736	737	739	rVV	325821	364713	6.08%	0.468%
31	10.248	746	749	750	rBV2	119148	168085	2.80%	0.216%
32	10.293	750	753	755	rVB2	57616	119219	1.99%	0.153%
33	10.362	756	759	762	rVB	3204567	3316567	55.28%	4.258%
34	10.510	768	772	775	rBV	143710	293760	4.90%	0.377%

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35	10.682	785	787	788	rVV2	61707	93084	1.55%	0.120%
36	10.705	788	789	792	rVV3	65926	114766	1.91%	0.147%
37	10.991	812	814	816	rVB2	165028	194002	3.23%	0.249%
38	11.105	822	824	825	rBV	1080282	1320842	22.01%	1.696%
39	11.139	825	827	829	rVV	2182888	2241960	37.37%	2.878%
40	11.196	829	832	835	rVB	485673	543366	9.06%	0.698%
41	11.505	857	859	863	rVB3	62780	96937	1.62%	0.124%
42	11.711	875	877	879	rBV	235546	285539	4.76%	0.367%
43	11.745	879	880	883	rVB	265299	293779	4.90%	0.377%
44	11.813	883	886	887	rBV	463718	555382	9.26%	0.713%
45	11.848	887	889	891	rVV	463712	639788	10.66%	0.821%
46	11.882	891	892	895	rVB	163525	149052	2.48%	0.191%
47	12.099	909	911	912	rBV	186918	216302	3.61%	0.278%
48	12.431	937	940	943	rBV2	127226	265575	4.43%	0.341%
49	12.545	948	950	953	rVB4	67195	138724	2.31%	0.178%
50	12.636	955	958	961	rBV	1544513	2158841	35.98%	2.772%
51	12.774	968	970	973	rVB	141630	207188	3.45%	0.266%
52	12.842	973	976	977	rBV	74302	106358	1.77%	0.137%
53	12.888	977	980	982	rVV	132772	210862	3.51%	0.271%
54	12.945	982	985	988	rVV	1691633	2575204	42.92%	3.306%
55	13.014	988	991	994	rVB5	107130	223936	3.73%	0.287%
56	13.128	1000	1001	1004	rBV	72387	113427	1.89%	0.146%
57	13.208	1004	1008	1010	rVV	3598062	5440455	90.67%	6.984%
58	13.276	1010	1014	1017	rVB3	100395	183348	3.06%	0.235%
59	13.437	1025	1028	1030	rVB2	198324	333285	5.55%	0.428%
60	13.528	1033	1036	1038	rVB	166498	202957	3.38%	0.261%
61	13.574	1038	1040	1042	rBV2	143355	227262	3.79%	0.292%
62	13.711	1050	1052	1054	rVB	82138	96324	1.61%	0.124%
63	13.757	1054	1056	1060	rBV	81242	126072	2.10%	0.162%
64	13.928	1068	1071	1074	rVB	76205	129460	2.16%	0.166%
65	14.008	1074	1078	1082	rBV3	96306	220484	3.67%	0.283%
66	14.077	1082	1084	1087	rVV3	71138	114999	1.92%	0.148%
67	14.145	1087	1090	1092	rVV	107380	214795	3.58%	0.276%
68	14.202	1092	1095	1098	rVV2	181454	334913	5.58%	0.430%
69	14.271	1098	1101	1103	rVB2	61511	108600	1.81%	0.139%
70	14.339	1104	1107	1109	rVV	103481	139173	2.32%	0.179%
71	14.385	1109	1111	1115	rVV2	112519	249499	4.16%	0.320%

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72	14.499	1119	1121	1125	rVB	132189	218490	3.64%	0.280%
73	14.602	1125	1130	1131	rBV2	35969	89462	1.49%	0.115%
74	14.637	1131	1133	1135	rBV	388173	583787	9.73%	0.749%
75	14.728	1135	1141	1143	rVV2	977510	2599244	43.32%	3.337%
76	14.762	1143	1144	1147	rVB	638297	703405	11.72%	0.903%
77	14.877	1152	1154	1156	rVV	99718	131932	2.20%	0.169%
78	15.048	1167	1169	1171	rVB2	66333	98491	1.64%	0.126%
79	15.105	1171	1174	1177	rBV3	43493	98300	1.64%	0.126%
80	15.162	1177	1179	1183	rVB2	63713	104225	1.74%	0.134%
81	15.334	1191	1194	1196	rBV	90769	139158	2.32%	0.179%
82	15.380	1196	1198	1202	rVB2	52238	103011	1.72%	0.132%
83	15.482	1202	1207	1208	rBV2	56506	131092	2.18%	0.168%
84	15.825	1232	1237	1239	rBV3	53292	112088	1.87%	0.144%
85	16.282	1273	1277	1279	rBV	452441	949557	15.83%	1.219%
86	16.420	1284	1289	1291	rVB2	75939	159820	2.66%	0.205%
87	16.591	1298	1304	1306	rBV4	38123	133042	2.22%	0.171%
88	16.648	1306	1309	1312	rBV	261806	396534	6.61%	0.509%
89	16.717	1312	1315	1318	rVB	445506	604191	10.07%	0.776%
90	16.785	1318	1321	1324	rBV	526067	951916	15.87%	1.222%
91	17.037	1336	1343	1348	rBV4	32785	151639	2.53%	0.195%
92	17.357	1365	1371	1378	rBV3	65152	226073	3.77%	0.290%
93	17.505	1382	1384	1388	rVB	61272	104911	1.75%	0.135%
94	18.031	1426	1430	1432	rBV2	56408	137899	2.30%	0.177%
95	18.168	1439	1442	1447	rVB2	200701	400479	6.67%	0.514%
96	18.328	1453	1456	1458	rBV	48540	93398	1.56%	0.120%
97	18.534	1471	1474	1479	rVB	208211	380521	6.34%	0.489%
98	18.740	1488	1492	1501	rBV3	70519	345783	5.76%	0.444%
99	20.420	1635	1639	1647	rVB	45248	146895	2.45%	0.189%
100	21.403	1721	1725	1733	rVB4	33107	116120	1.94%	0.149%

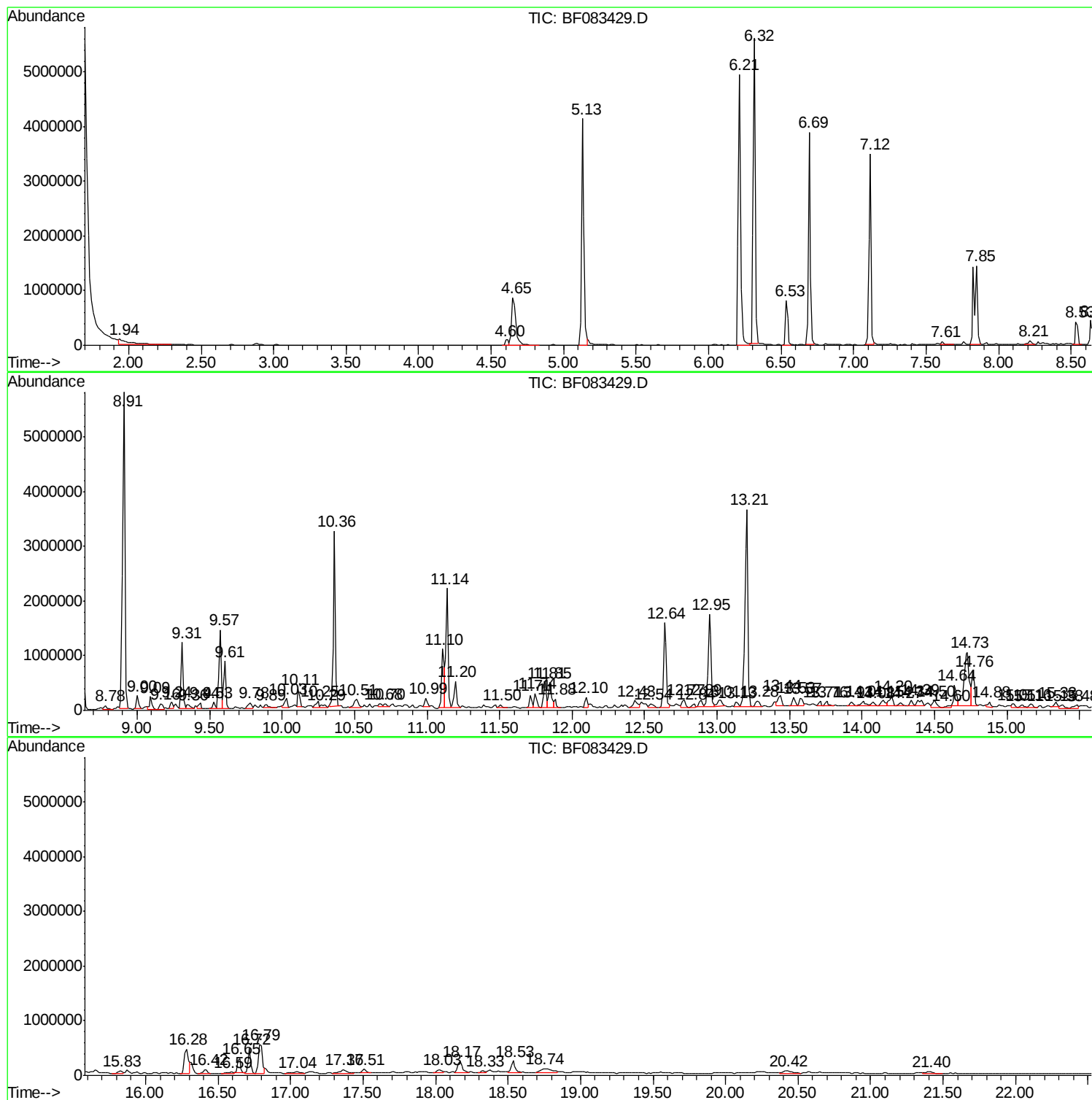
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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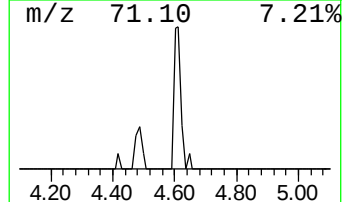
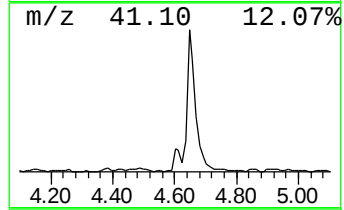
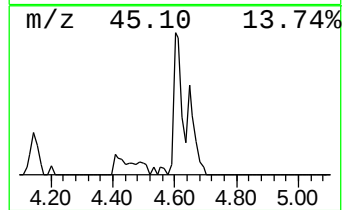
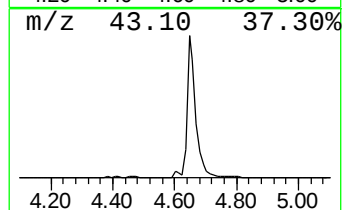
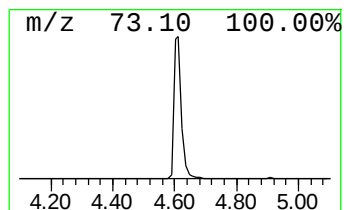
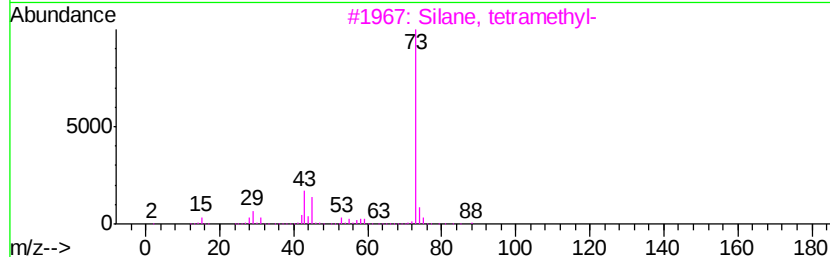
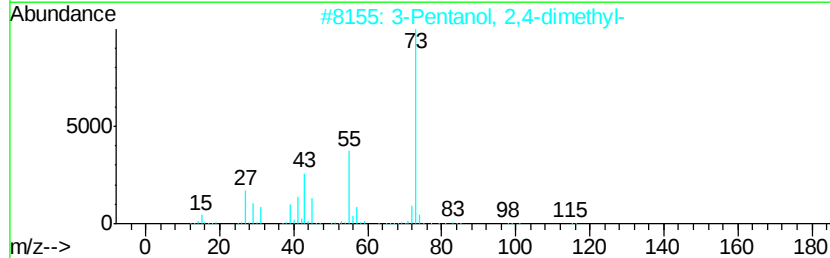
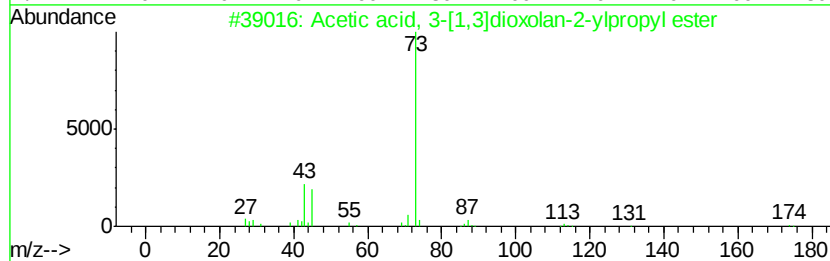
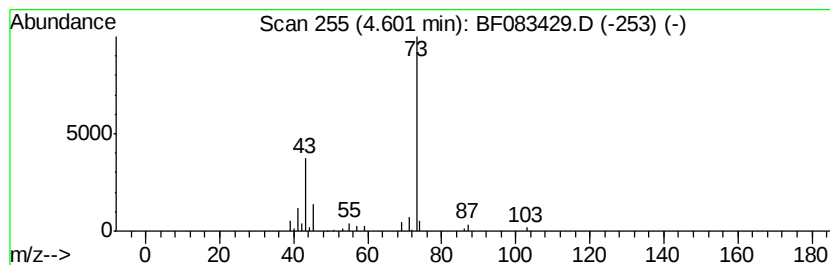
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown4.60 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	3.37 ng	157016	1,4-Dichlorobenzene-d4	6.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 3-[1,3]dioxolan-2-v...	174	C8H14O4	1000186-02-3	42
2			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	28
4			1-Propene-1-thiol	74	C3H6S	000925-89-3	9
5			Isopropyl 5,11-dihydroxy-3,7,11-...	314	C18H34O4	1000223-34-1	9



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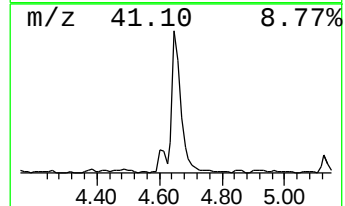
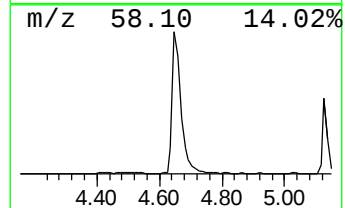
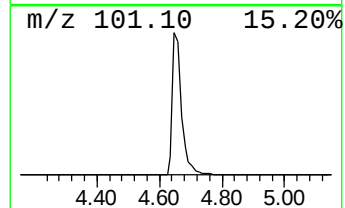
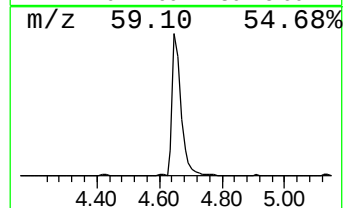
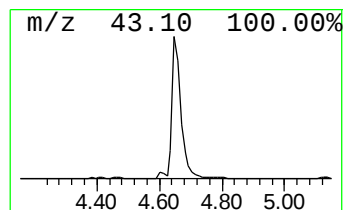
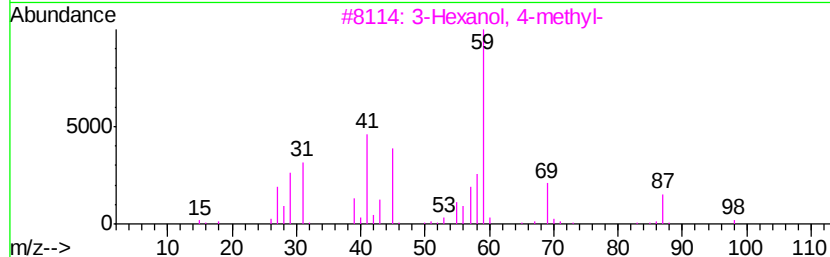
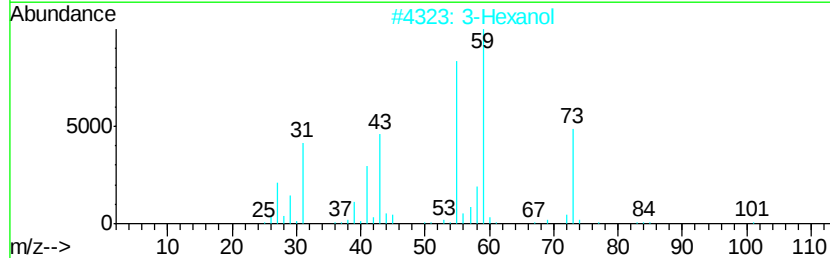
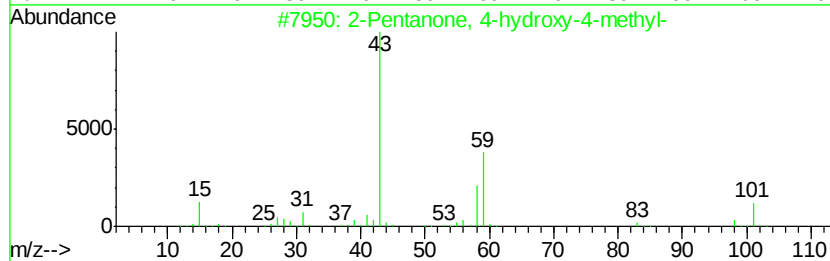
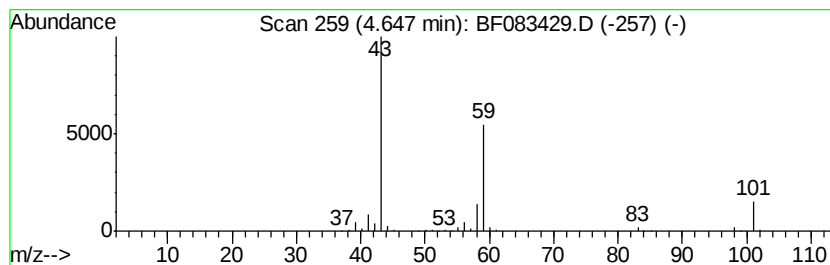
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	36.16 ng	1683920	1,4-Dichlorobenzene-d4	6.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		3-Hexanol	102	C6H14O	000623-37-0	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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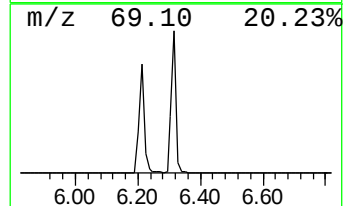
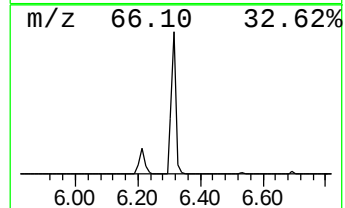
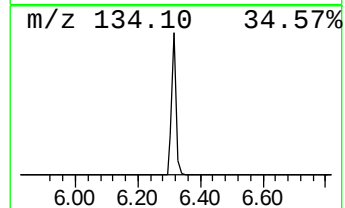
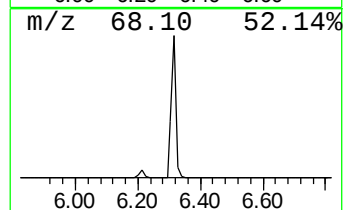
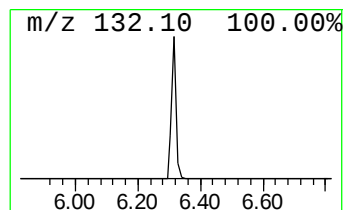
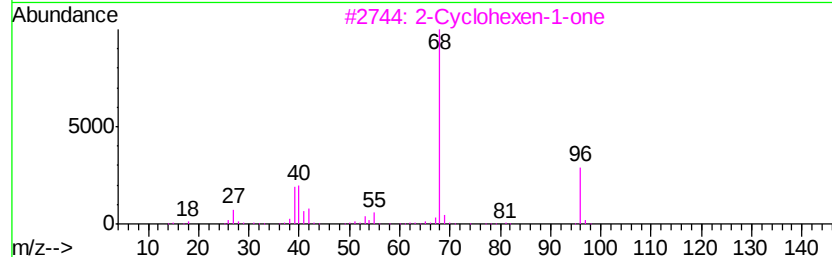
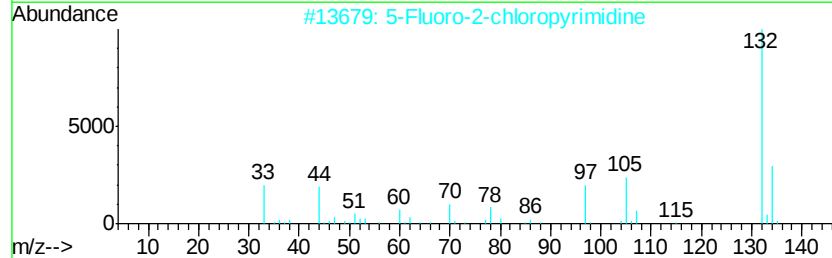
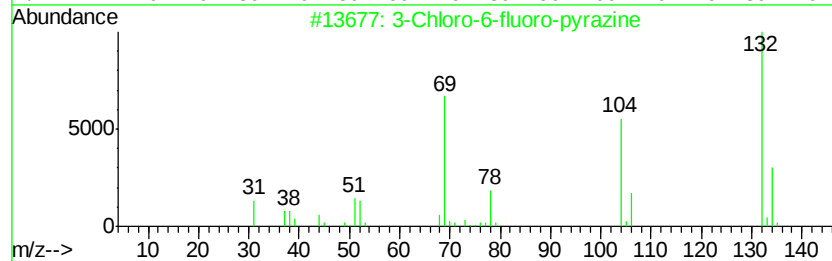
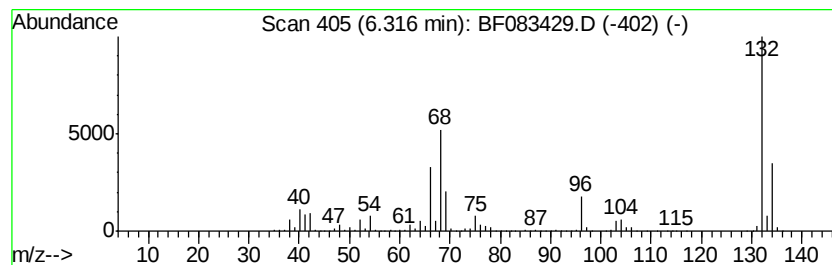
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	118.77 ng	5530750	1,4-Dichlorobenzene-d4	6.53

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	16		
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10		
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9		
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

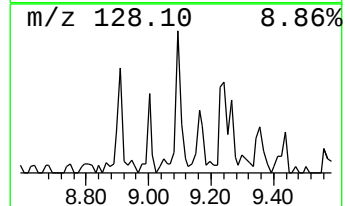
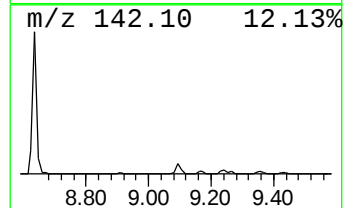
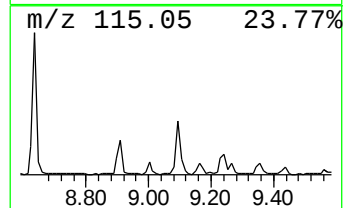
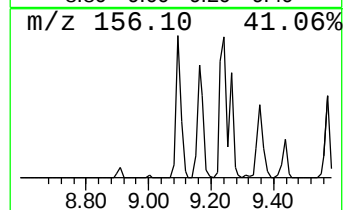
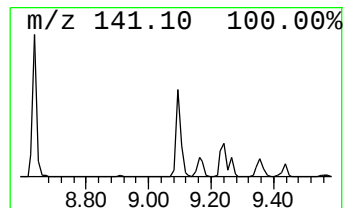
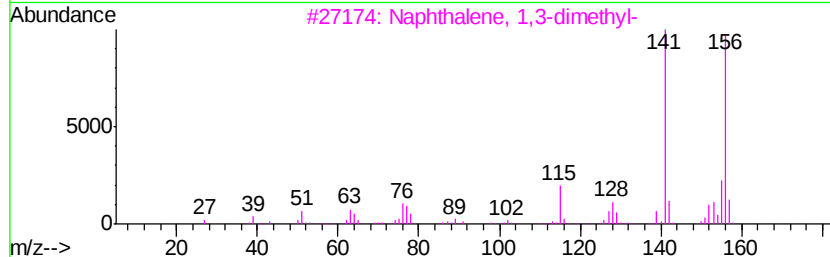
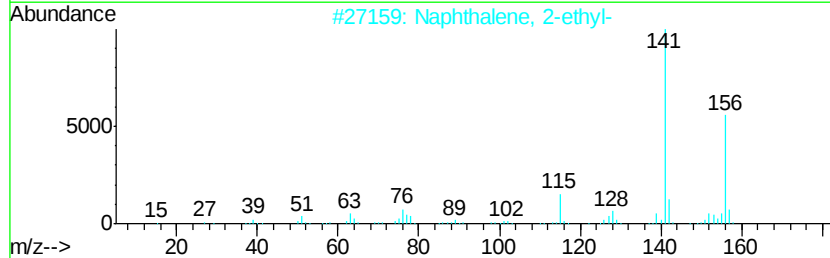
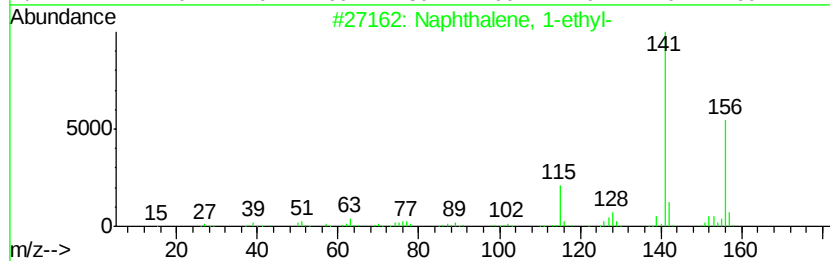
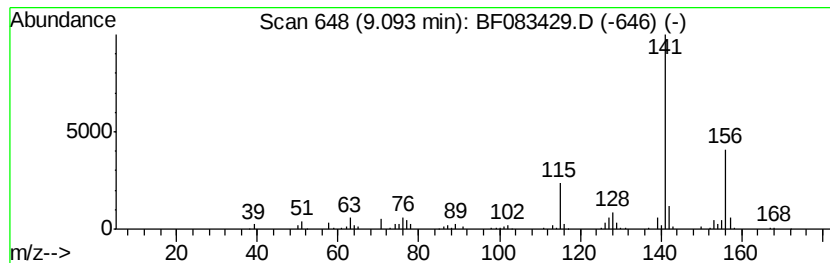
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ClientSampleId :
SB-P3WC-13(8-11.8)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.09	3.59 ng	257625	Acenaphthene-d10	9.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

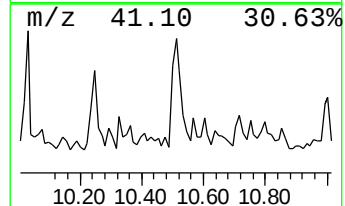
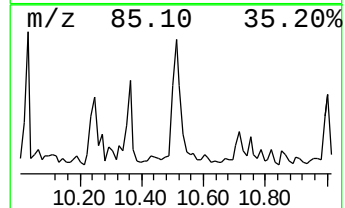
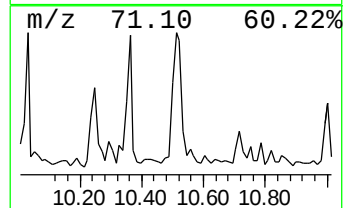
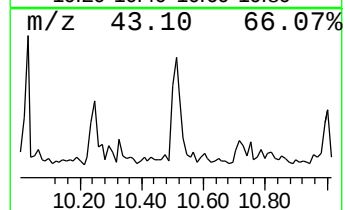
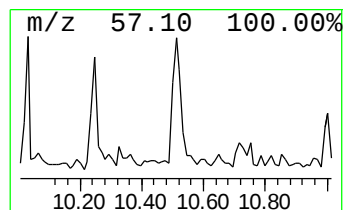
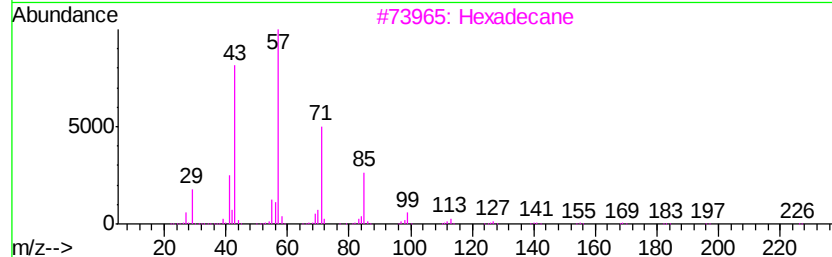
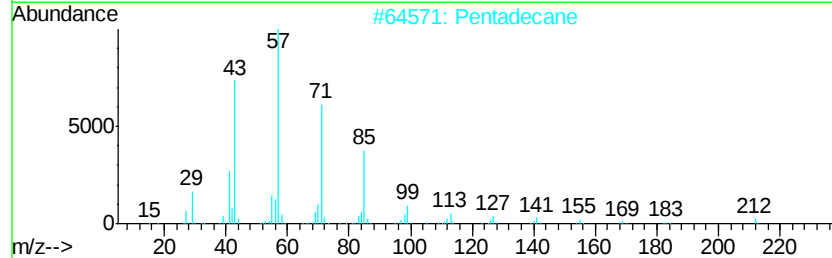
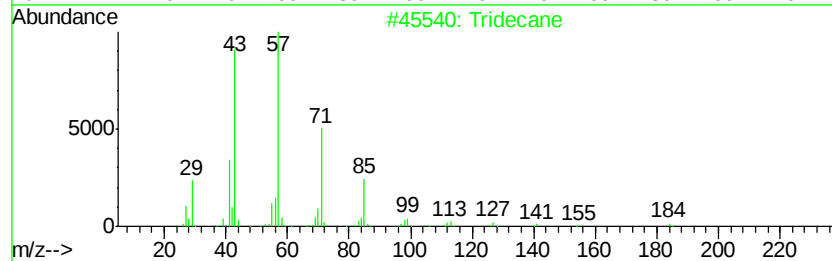
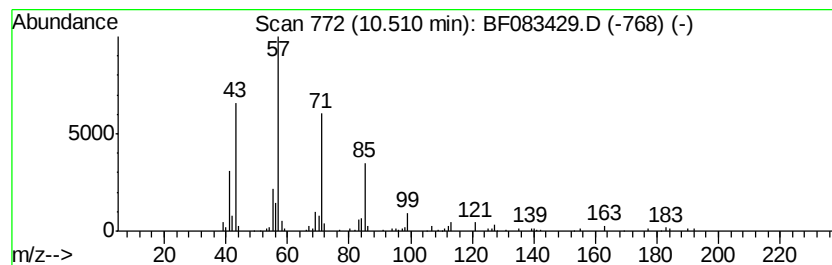
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.45 ng	293760	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	90
2		Pentadecane	212	C15H32	000629-62-9	86
3		Hexadecane	226	C16H34	000544-76-3	86
4		Heptacosane	380	C27H56	000593-49-7	86
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-P3WC-13(8-11.8)

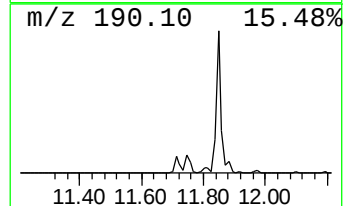
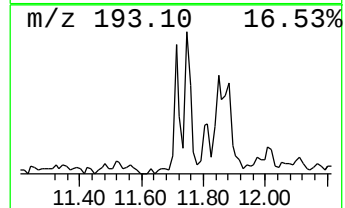
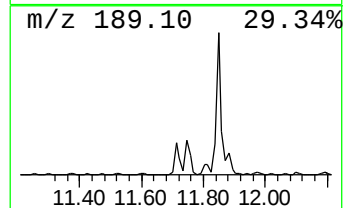
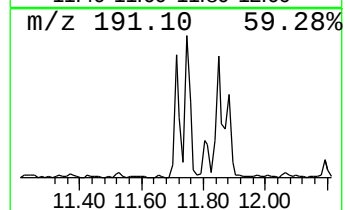
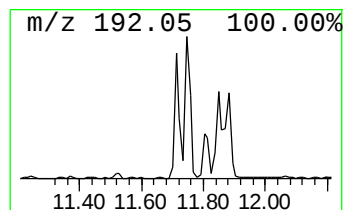
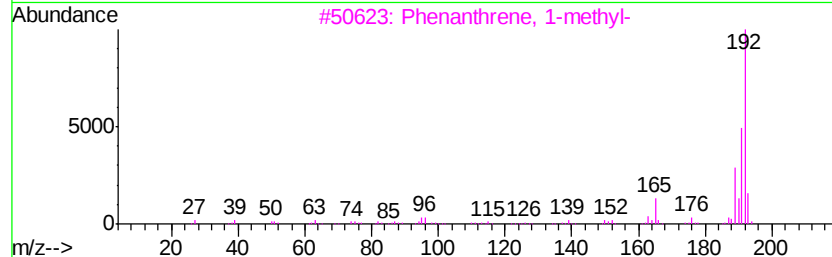
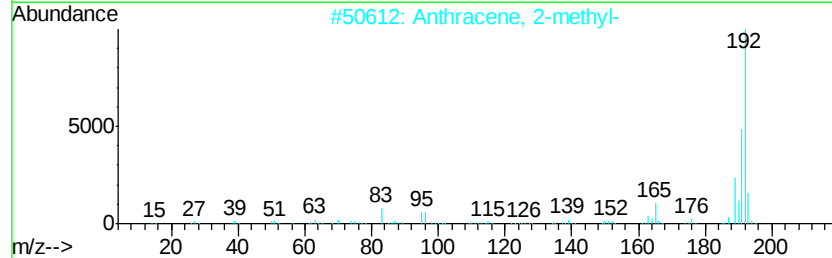
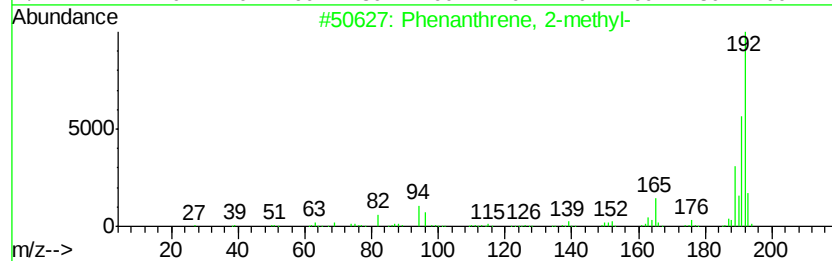
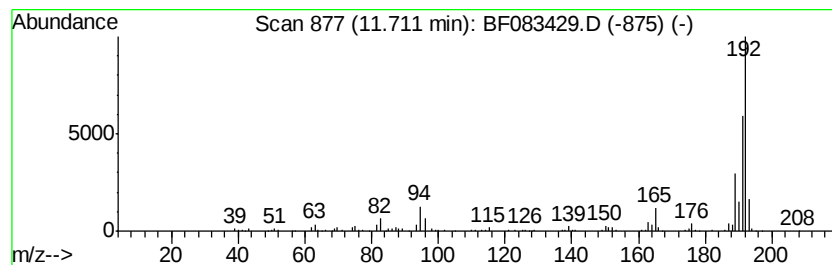
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	4.32 ng	285539	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		5H-Dibenzofa,dlcycloheptene	192	C15H12	000256-81-5	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-P3WC-13(8-11.8)

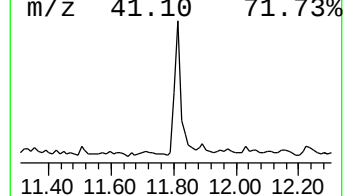
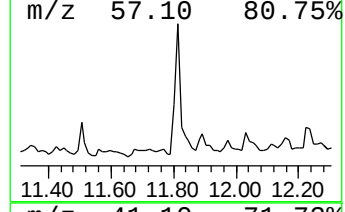
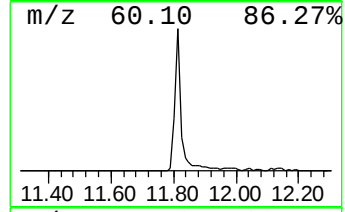
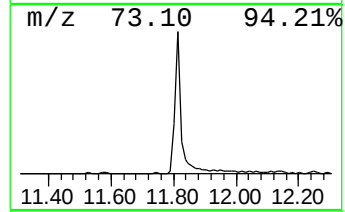
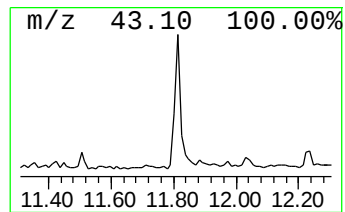
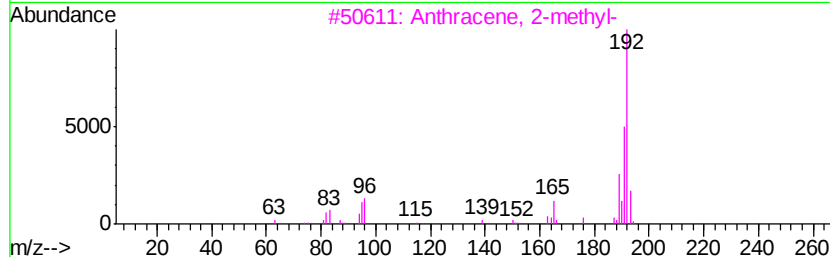
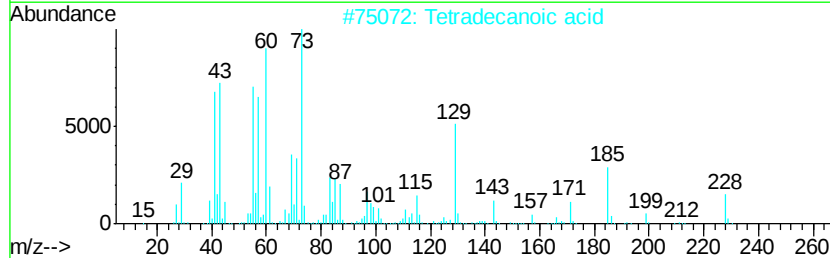
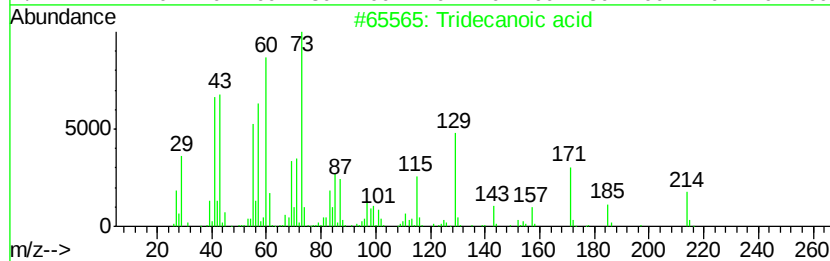
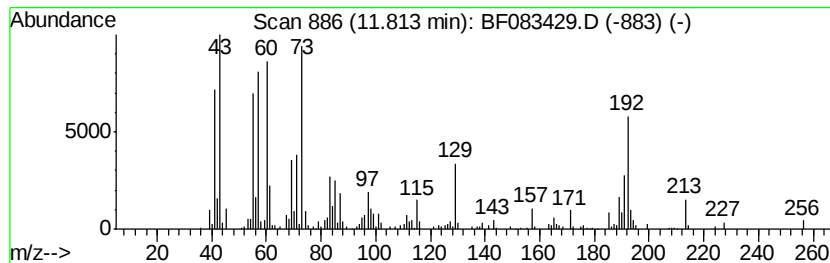
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	8.41 ng	555382	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecanoic acid	214	C13H26O2	000638-53-9	92
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	68
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

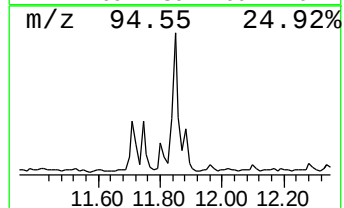
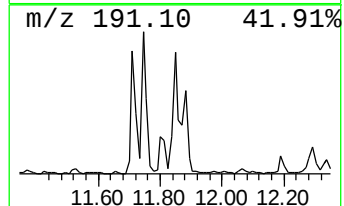
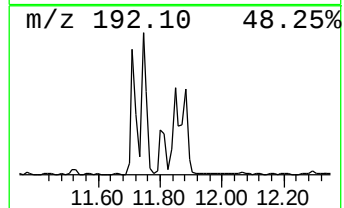
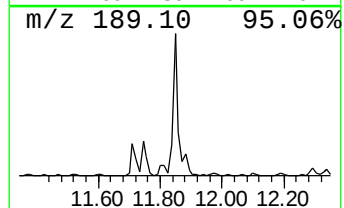
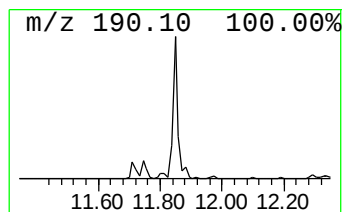
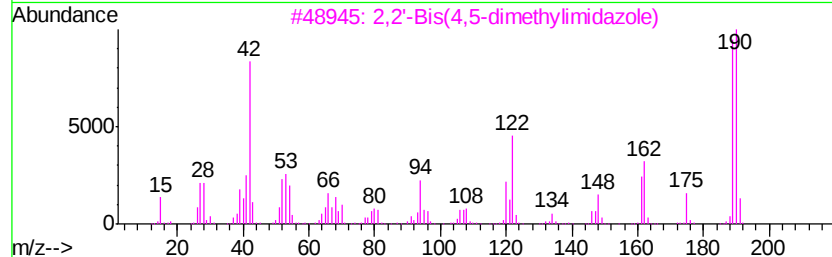
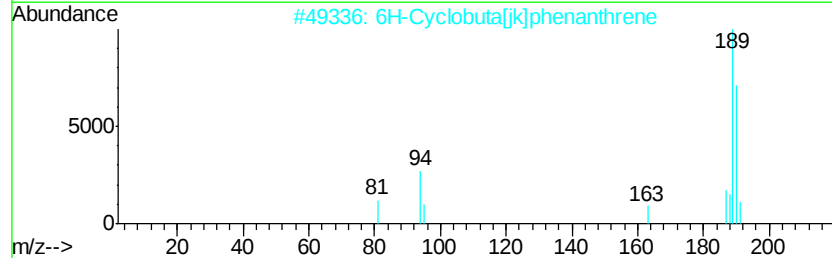
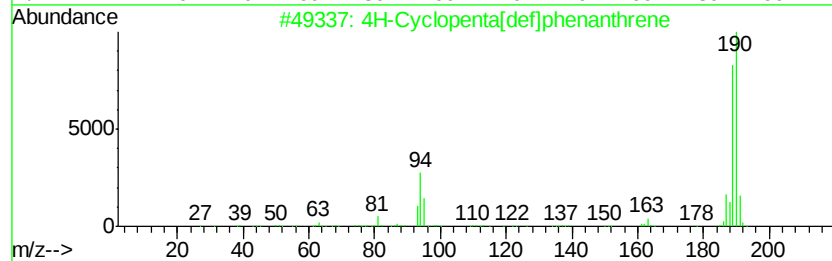
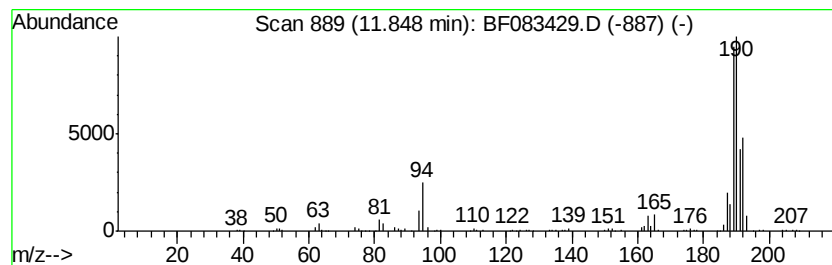
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	9.69 ng	639788	Phenanthrene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	42
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	Propanoic acid, 2-(2,4-dichlorop...	378	C15H10Cl4O3	284488-02-4	23
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
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Instrument :
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ClientSampleId :
SB-P3WC-13(8-11.8)

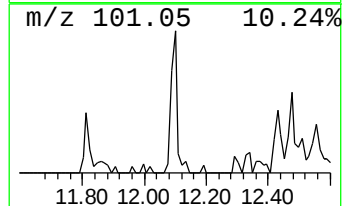
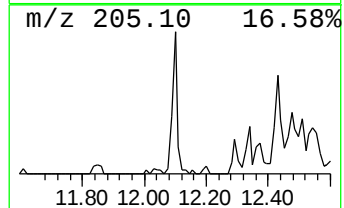
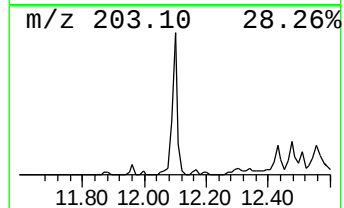
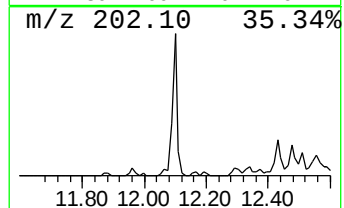
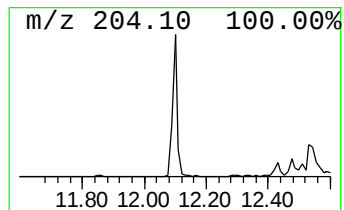
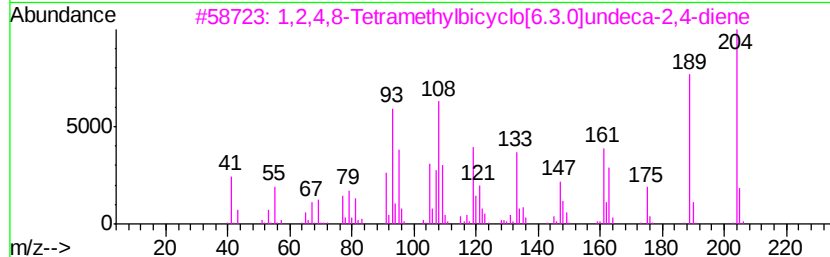
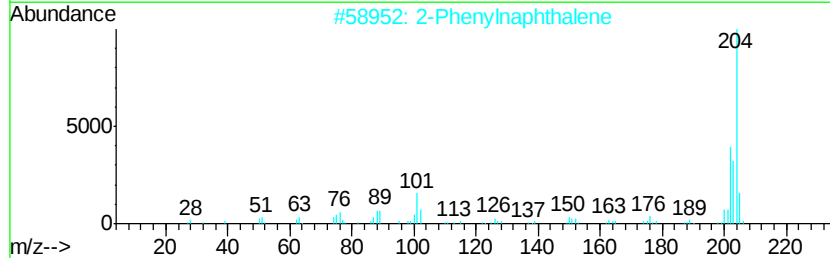
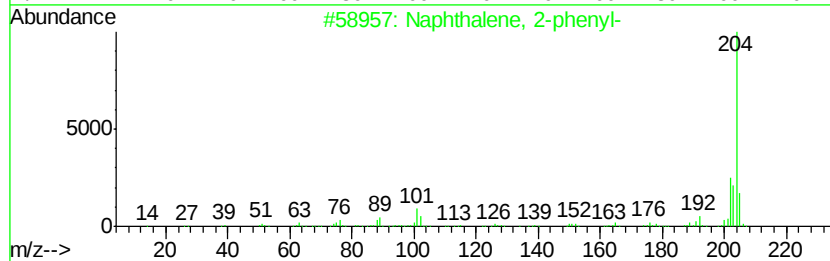
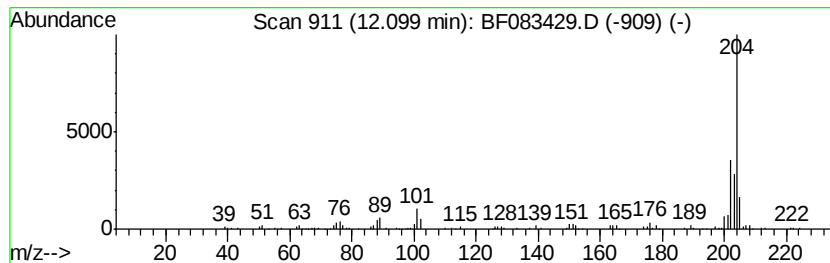
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.28 ng	216302	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	95
3		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	87
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
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ClientSampleId :
SB-P3WC-13(8-11.8)

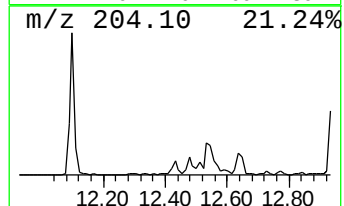
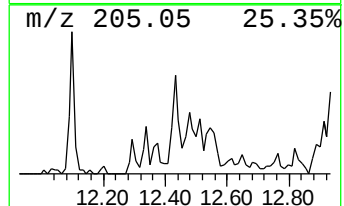
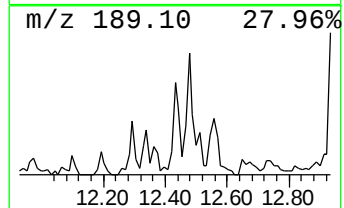
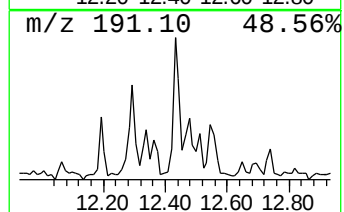
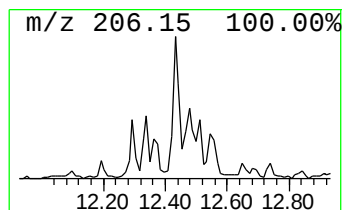
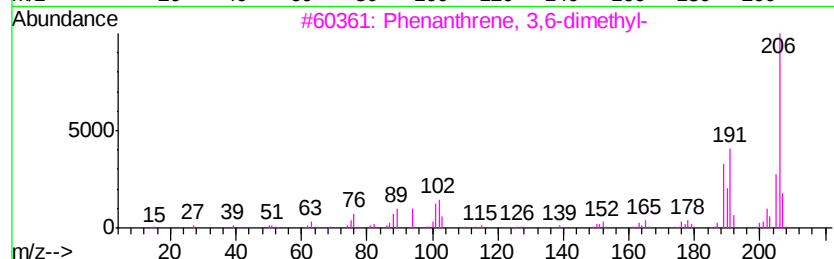
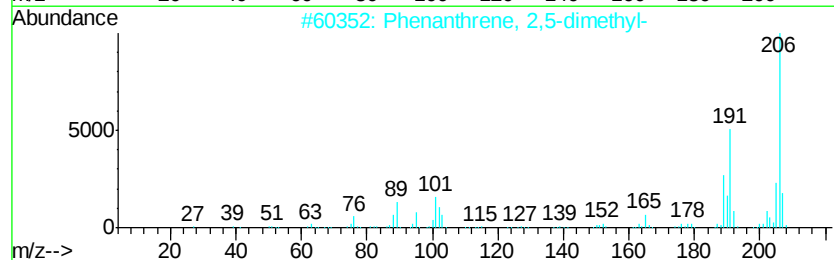
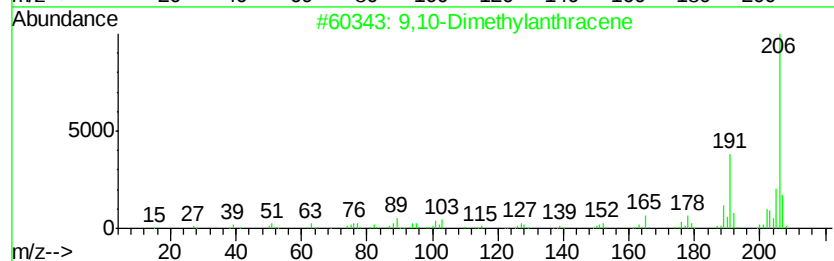
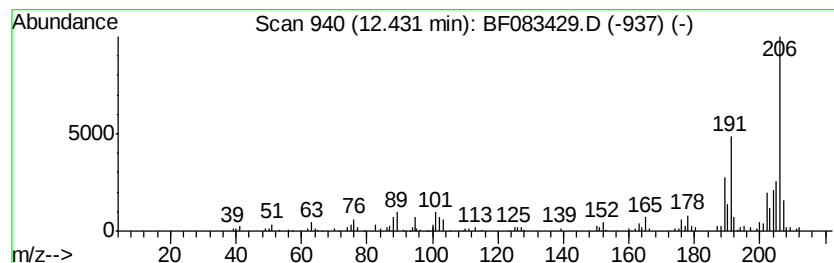
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	4.02 ng	265575	Phenanthrene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

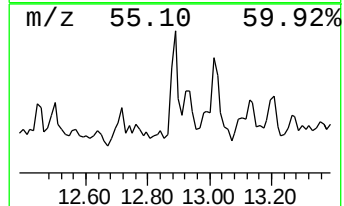
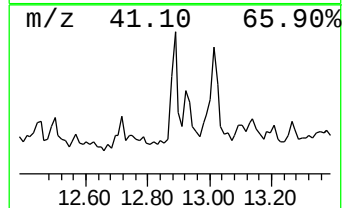
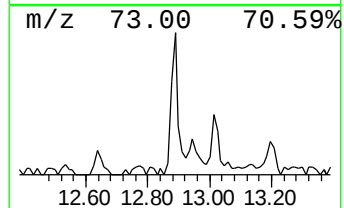
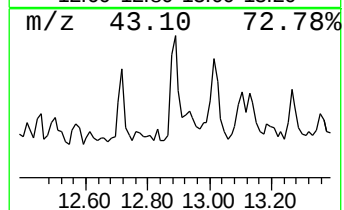
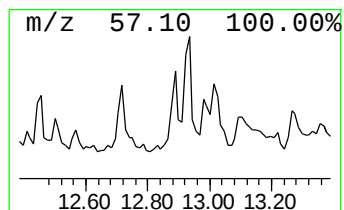
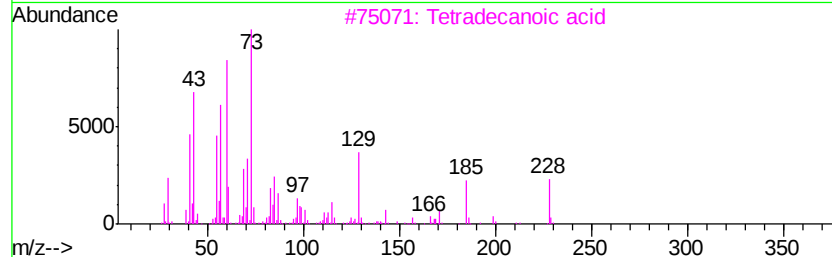
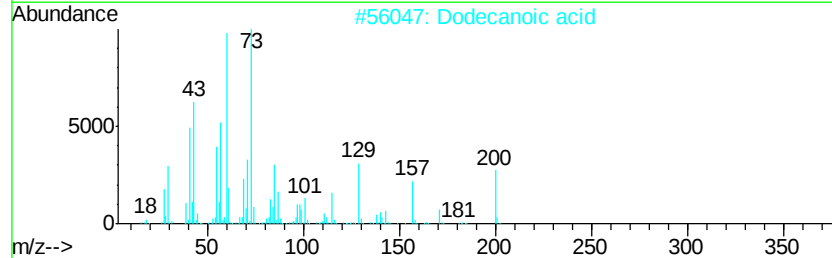
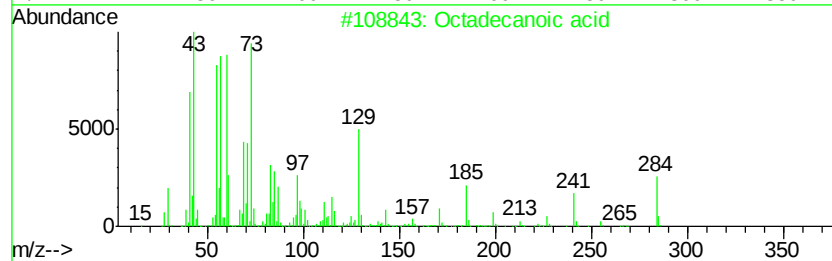
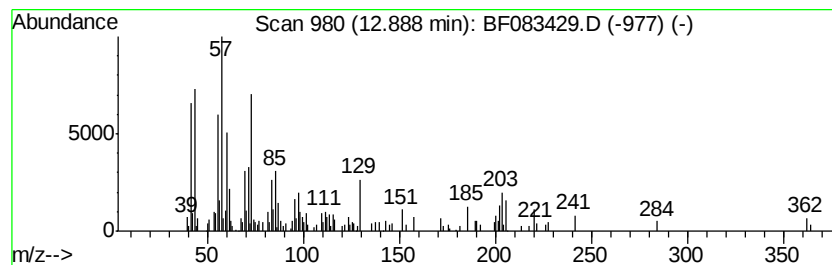
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	3.19 ng	210862	Phenanthrene-d10	11.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Dodecanoic acid	200	C12H24O2	000143-07-7	45
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	43
4			Lactose	342	C12H22O11	000063-42-3	38
5			Octadecanoic acid, 2-hydroxy-1,3...	625	C39H76O5	000504-40-5	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

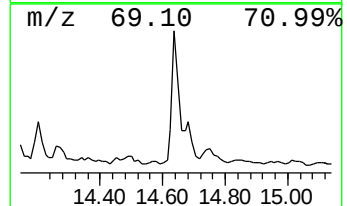
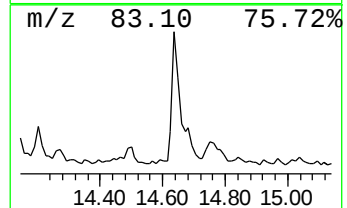
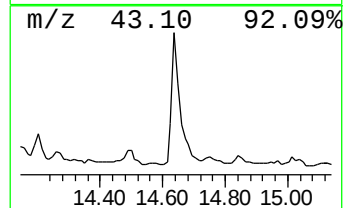
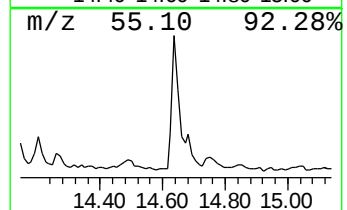
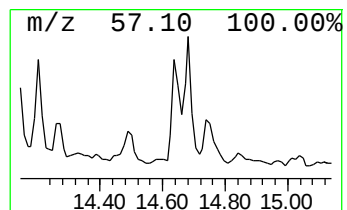
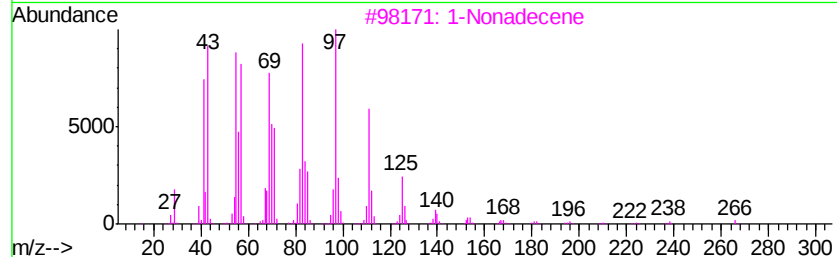
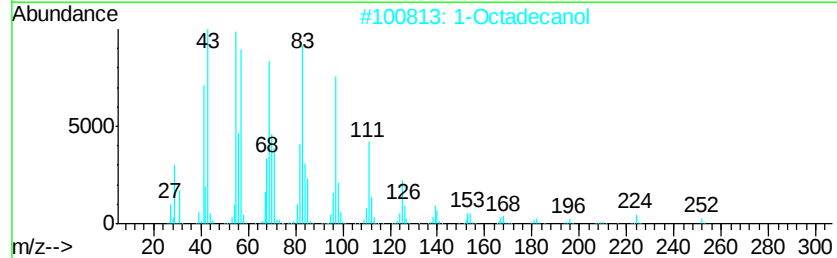
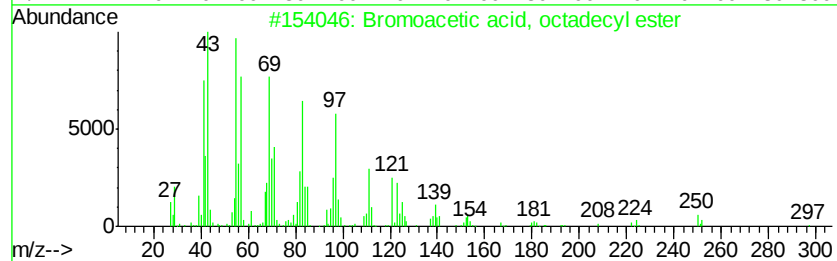
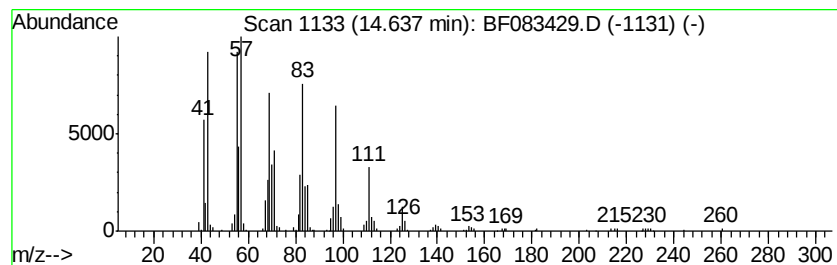
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Bromoacetic acid, octadecyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	4.49 ng	583787	Chrysene-d12	14.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
2			1-Octadecanol	270	C18H38O	000112-92-5	91
3			1-Nonadecene	266	C19H38	018435-45-5	91
4			9-Eicosene, (E)-	280	C20H40	074685-29-3	91
5			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

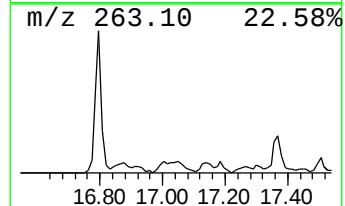
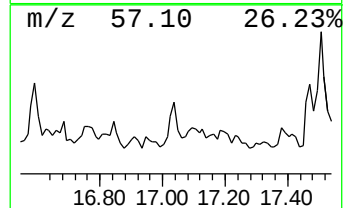
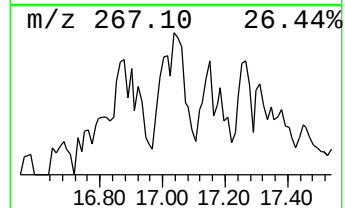
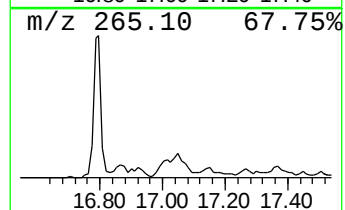
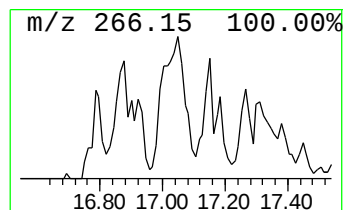
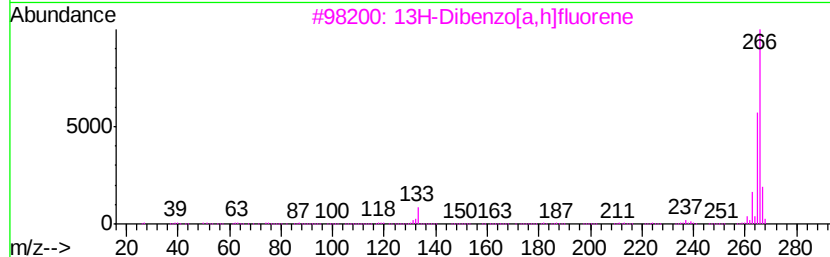
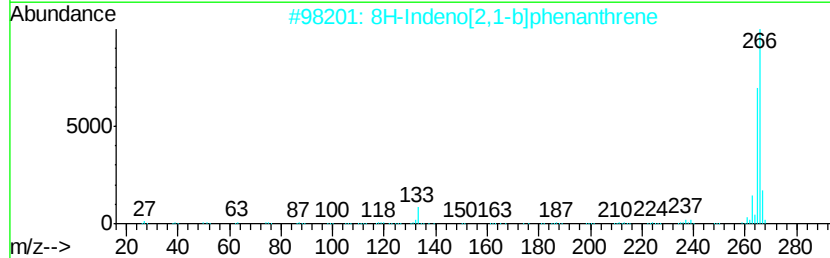
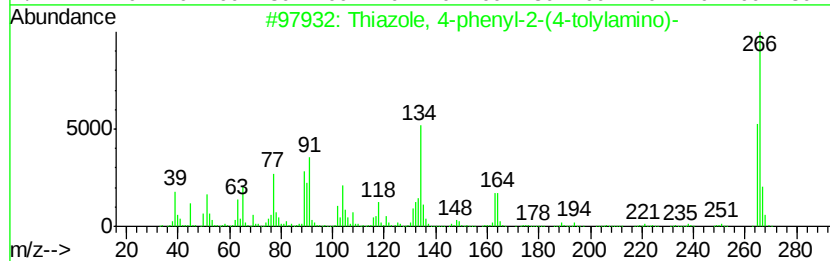
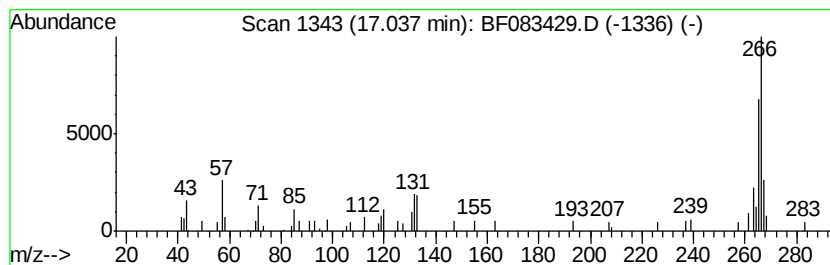
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Thiazole, 4-phenyl-2-(4-tol... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	3.19 ng	151639	Perylene-d12	16.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	64
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	59
3		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	59
4		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	59
5		1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083429.D
Acq On : 2 Dec 2015 20:48
Operator : UM/IZ
Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-P3WC-13(8-11.8)

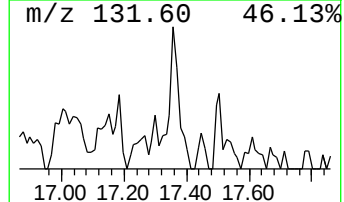
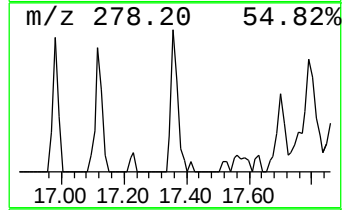
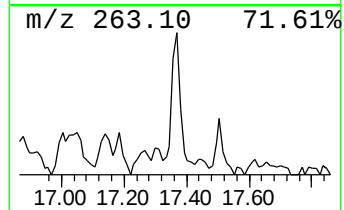
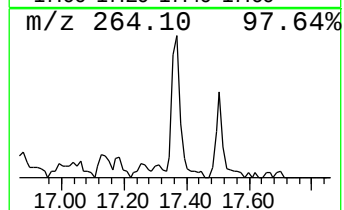
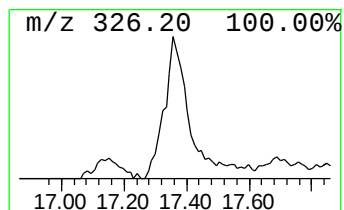
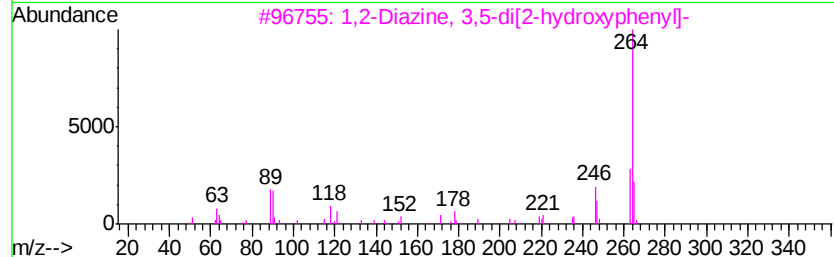
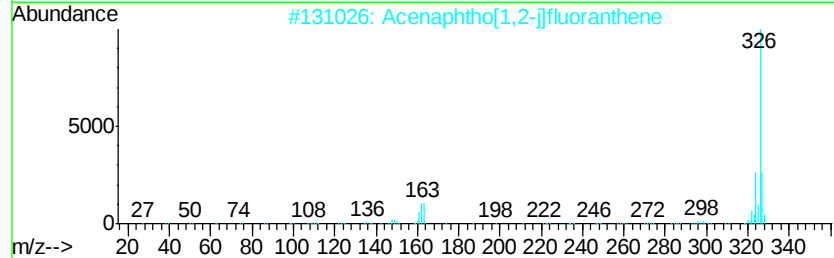
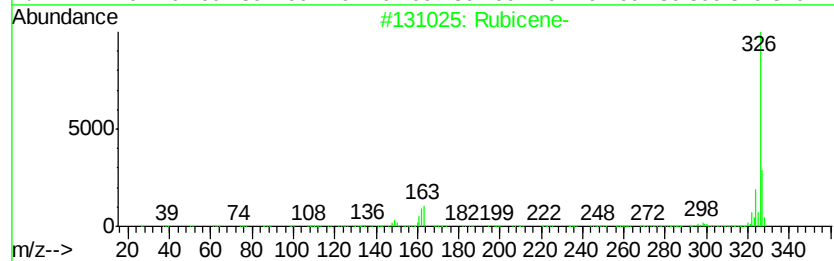
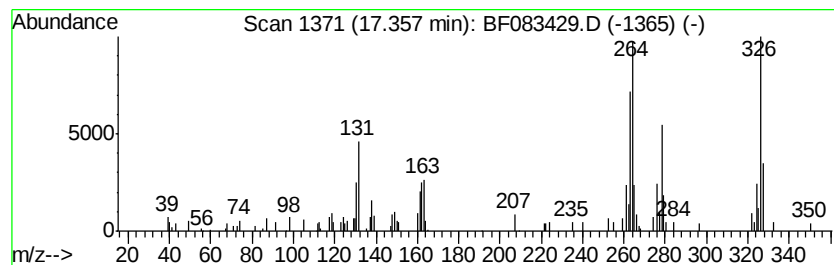
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown17.36 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	4.75 ng	226073	Perylene-d12	16.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Rubicene-	326	C26H14	000197-61-5	25
2		Acenaphtho[1,2-i]fluoranthene	326	C26H14	000193-21-5	25
3		1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	14
4		1H-12a,5-(Epoxy methano)pyrido[3'...	326	C19H22N2O3	003329-95-1	14
5		6-[(3-Allylsalicylidene)amino]-1...	278	C16H14N4O	339108-60-0	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
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Sample : G4584-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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
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2-Pentanone, 4-hy...	4.65	36.2	ng	1683920	1	6.53	931343	20.0
unknown6.32	6.32	118.8	ng	5530750	1	6.53	931343	20.0
Naphthalene, 1-et...	9.09	3.6	ng	257625	3	9.57	1436410	20.0
Tridecane	10.51	4.5	ng	293760	4	11.10	1320840	20.0
Phenanthrene, 2-m...	11.71	4.3	ng	285539	4	11.10	1320840	20.0
Tridecanoic acid	11.81	8.4	ng	555382	4	11.10	1320840	20.0
4H-Cyclopenta[def...	11.85	9.7	ng	639788	4	11.10	1320840	20.0
Naphthalene, 2-ph...	12.10	3.3	ng	216302	4	11.10	1320840	20.0
9,10-Dimethylanthe...	12.43	4.0	ng	265575	4	11.10	1320840	20.0
Octadecanoic acid	12.89	3.2	ng	210862	4	11.10	1320840	20.0
Bromoacetic acid,...	14.64	4.5	ng	583787	5	14.73	2599240	20.0
Thiazole, 4-pheny...	17.04	3.2	ng	151639	6	16.80	951916	20.0
unknown17.36	17.36	4.8	ng	226073	6	16.80	951916	20.0