

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087887.D
 Acq On : 10 Jun 2016 21:17
 Operator : UM/SJ
 Sample : H3395-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-946-PLATFORM(0-4)

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-BF060716.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	1.747	12	14	23	rVB	152860	289767	7.59%	1.126%
2	1.873	23	25	54	rVB	1964127	3819892	100.00%	14.839%
3	4.982	294	297	300	rBV	89879	132020	3.46%	0.513%
4	5.404	331	334	336	rBV	1668558	1757118	46.00%	6.826%
5	6.445	423	425	428	rVB	1530029	1456822	38.14%	5.659%
6	6.582	434	437	439	rBV	1650517	1804043	47.23%	7.008%
7	6.810	455	457	459	rBV	859248	681868	17.85%	2.649%
8	6.970	468	471	473	rBV	1497448	1377748	36.07%	5.352%
9	7.382	504	507	509	rBV	826516	1170268	30.64%	4.546%
10	8.102	568	570	572	rBV	943181	906359	23.73%	3.521%
11	9.176	661	664	666	rBV	1908935	1741272	45.58%	6.764%
12	9.565	696	698	700	rVB	259727	207638	5.44%	0.807%
13	9.702	708	710	713	rVB	35196	41156	1.08%	0.160%
14	9.851	720	723	724	rBV	905546	880855	23.06%	3.422%
15	10.285	759	761	763	rVB2	56118	48196	1.26%	0.187%
16	10.388	769	770	773	rVB	44428	41778	1.09%	0.162%
17	10.628	789	791	793	rBV	878577	834901	21.86%	3.243%
18	10.754	800	802	806	rVB	75179	78906	2.07%	0.307%
19	11.325	850	852	853	rBV	865297	740719	19.39%	2.877%
20	11.394	856	858	860	rVV	94093	99453	2.60%	0.386%
21	11.554	869	872	874	rBV	55664	66622	1.74%	0.259%
22	11.828	893	896	897	rBV	66983	77054	2.02%	0.299%
23	11.851	897	898	900	rVV	122347	122536	3.21%	0.476%
24	11.897	900	902	903	rVV	52679	51644	1.35%	0.201%
25	11.931	903	905	910	rVB	119115	184286	4.82%	0.716%
26	12.034	910	914	917	rBV4	37361	77477	2.03%	0.301%
27	12.137	919	923	927	rVB3	60210	114031	2.99%	0.443%
28	12.297	936	937	940	rVB	27553	40906	1.07%	0.159%
29	12.377	942	944	945	rBV	61392	76715	2.01%	0.298%
30	12.411	945	947	949	rVV2	30796	55525	1.45%	0.216%
31	12.457	949	951	953	rVB2	41874	51429	1.35%	0.200%
32	12.525	955	957	960	rVB	456452	633181	16.58%	2.460%
33	12.594	960	963	964	rBV2	24685	44504	1.17%	0.173%
34	12.628	964	966	967	rVB	47462	41787	1.09%	0.162%

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35	12.685	967	971	973	rBV3	25850	58521	1.53%	0.227%
36	12.754	973	977	980	rBV	514992	709615	18.58%	2.757%
37	12.811	980	982	984	rVB2	20130	38500	1.01%	0.150%
38	12.902	988	990	993	rVB	967149	1086871	28.45%	4.222%
39	12.982	993	997	998	rBV2	46230	75542	1.98%	0.293%
40	13.085	1002	1006	1008	rVB	102996	140542	3.68%	0.546%
41	13.154	1010	1012	1013	rVB	63049	61536	1.61%	0.239%
42	13.188	1013	1015	1016	rBV	90633	97744	2.56%	0.380%
43	13.280	1022	1023	1024	rVB	56178	38538	1.01%	0.150%
44	13.314	1024	1026	1028	rBV2	40701	39872	1.04%	0.155%
45	13.382	1030	1032	1037	rVB	61145	60458	1.58%	0.235%
46	13.485	1039	1041	1044	rBV3	37184	73686	1.93%	0.286%
47	13.588	1048	1050	1052	rVV	57019	71025	1.86%	0.276%
48	13.702	1057	1060	1061	rBV2	85374	129786	3.40%	0.504%
49	13.805	1067	1069	1073	rVB2	112117	201597	5.28%	0.783%
50	13.954	1079	1082	1083	rBV2	770486	1186951	31.07%	4.611%
51	14.057	1089	1091	1093	rBV	48903	48692	1.27%	0.189%
52	14.960	1168	1170	1175	rBV	239113	493735	12.93%	1.918%
53	15.245	1193	1195	1198	rVB	150767	189226	4.95%	0.735%
54	15.303	1198	1200	1203	rVV	176601	259322	6.79%	1.007%
55	15.360	1203	1205	1211	rVB2	379408	633526	16.58%	2.461%
56	16.720	1321	1324	1328	rVB2	71943	147223	3.85%	0.572%
57	17.131	1357	1360	1365	rVB	67317	150828	3.95%	0.586%

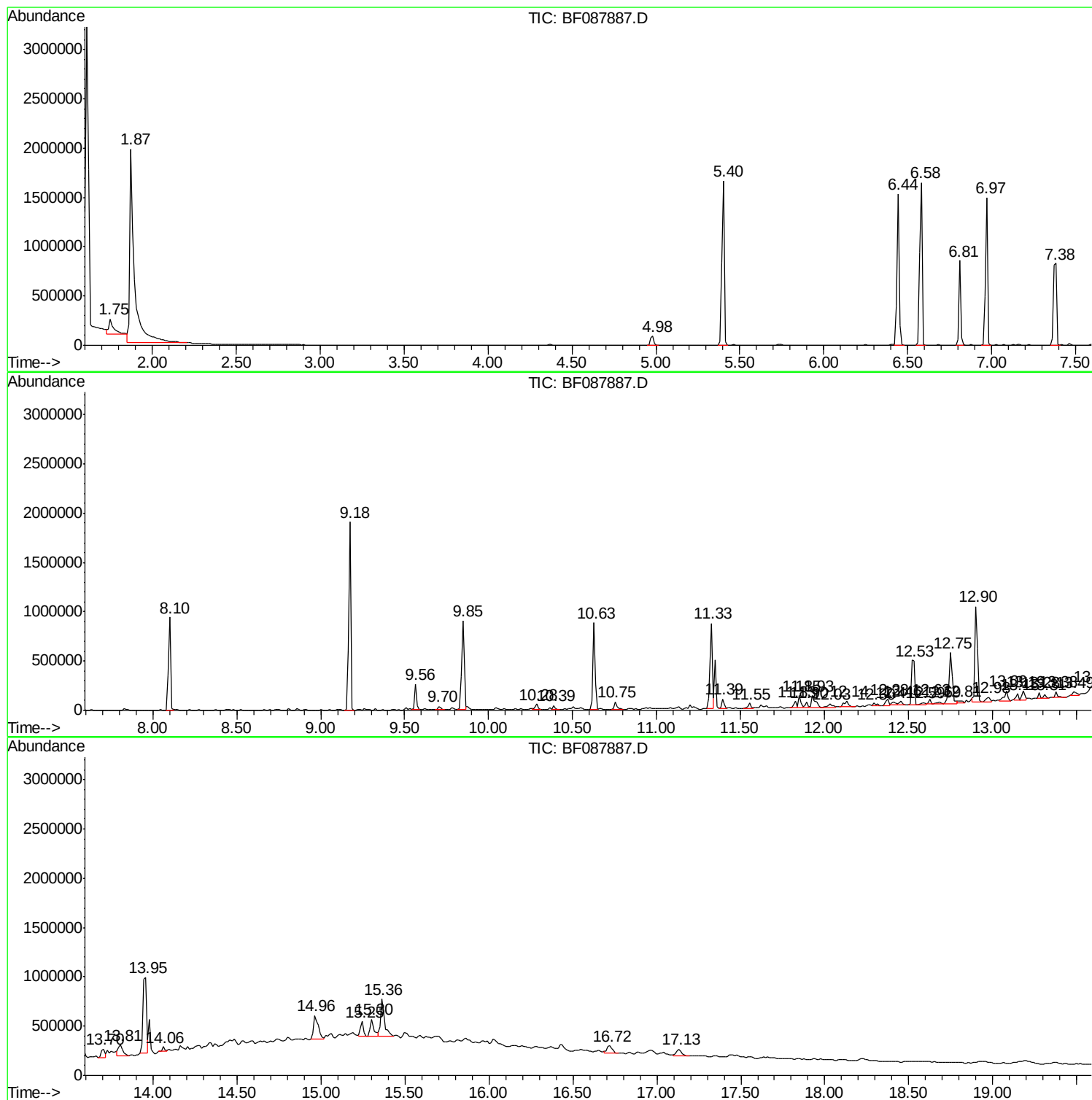
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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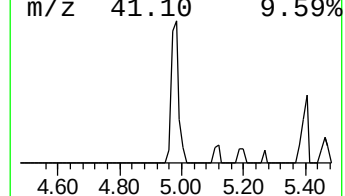
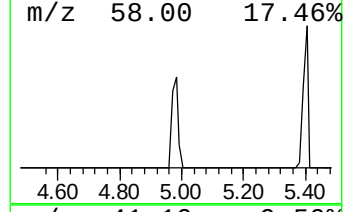
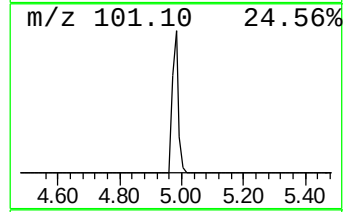
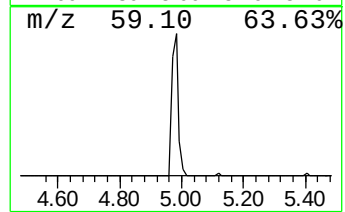
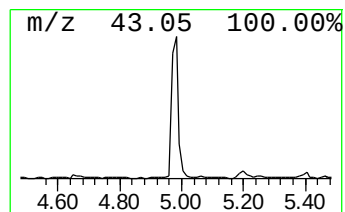
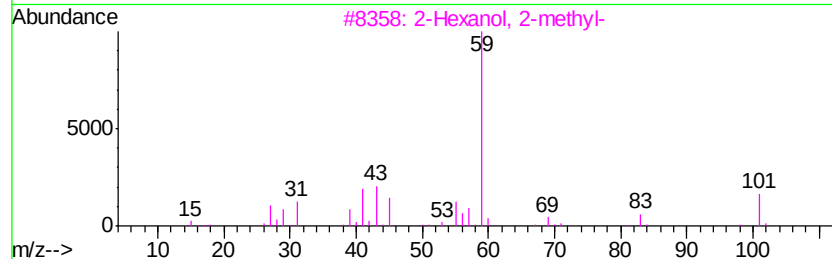
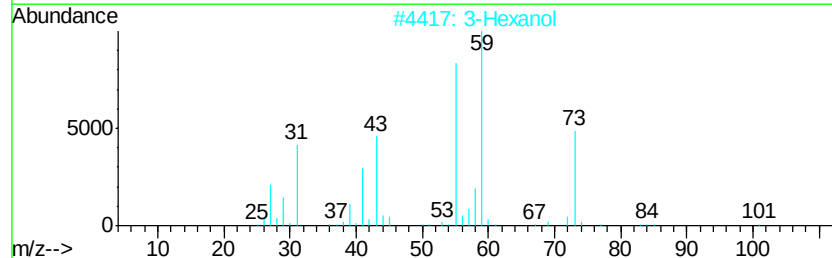
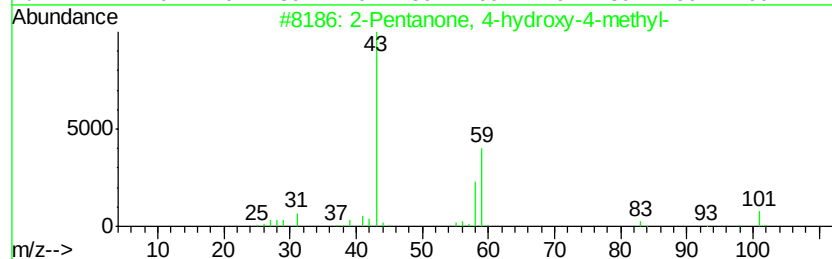
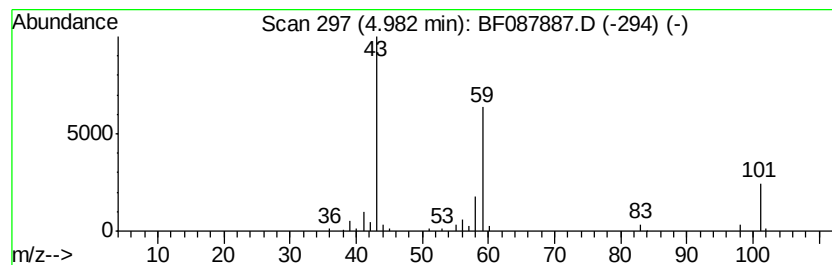
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	3.87 ng	132020	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			3-Hexanol	102	C6H14O	000623-37-0	25
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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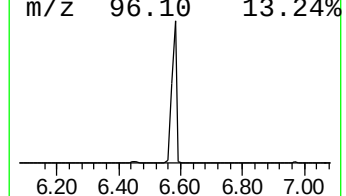
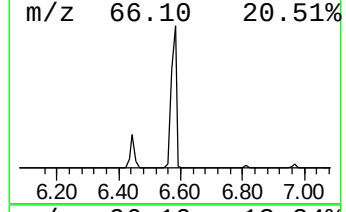
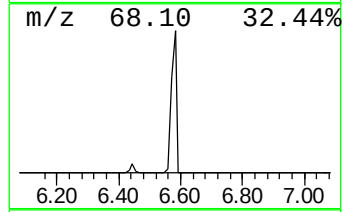
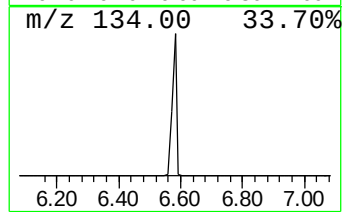
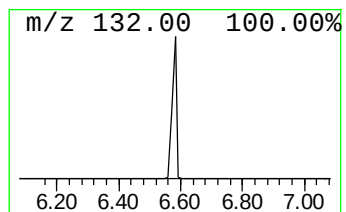
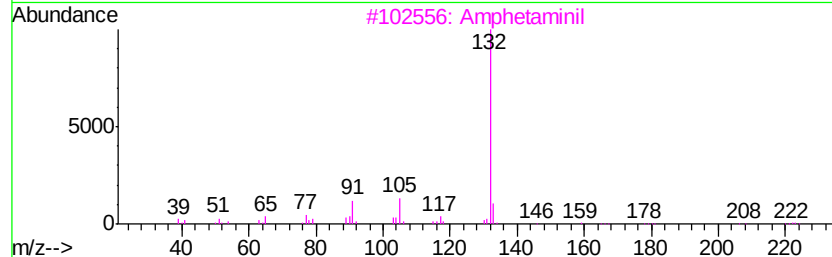
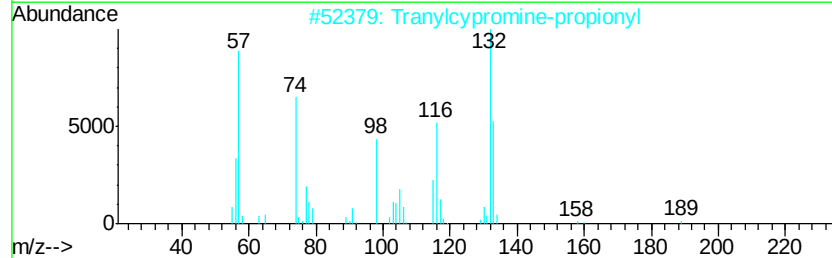
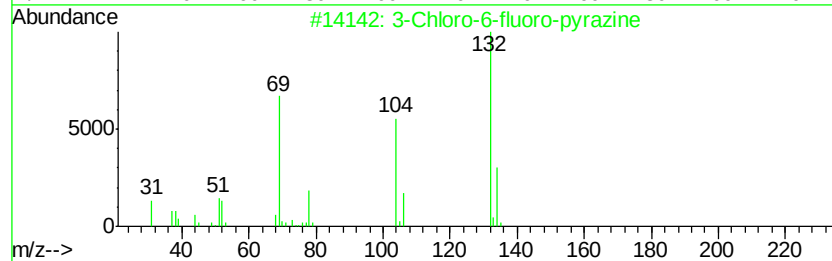
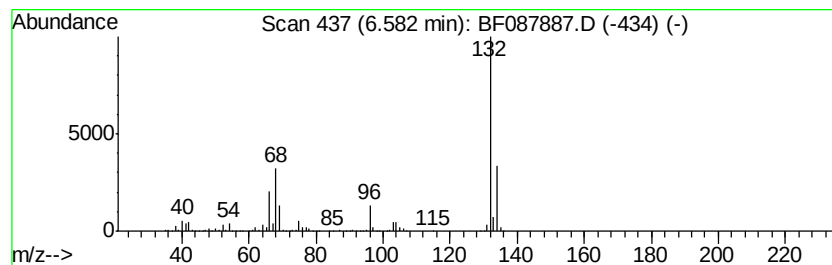
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TIC Library : C:\Database\NIST11.L
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Peak Number 4 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	52.91 ng	1804040	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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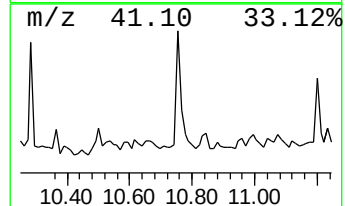
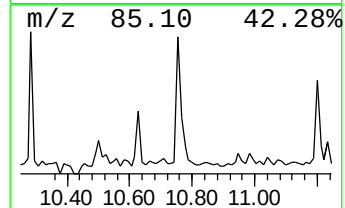
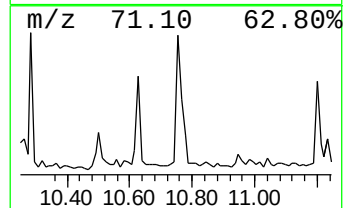
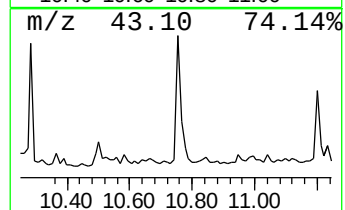
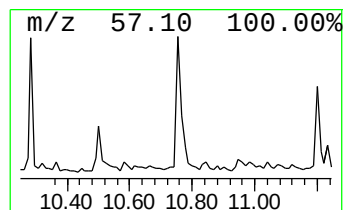
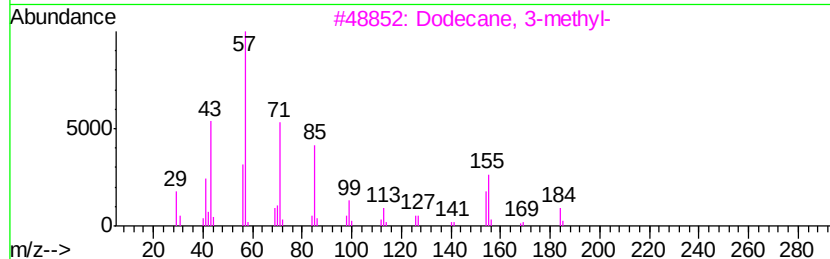
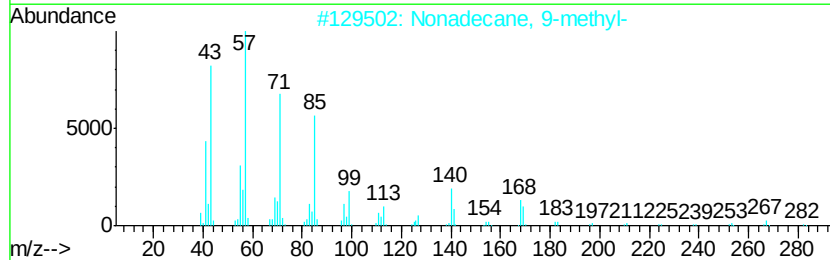
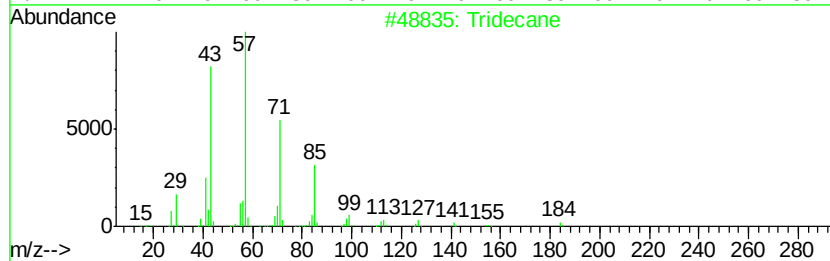
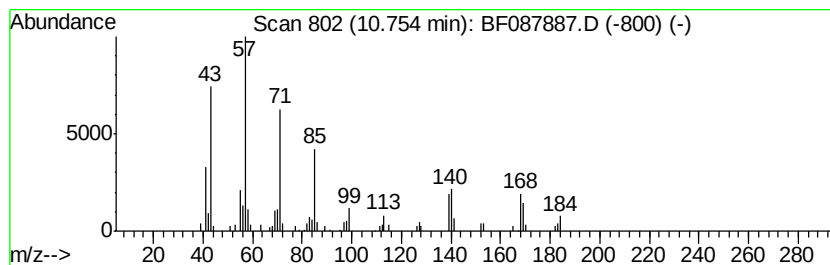
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	2.13 ng	78906	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	80
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	60
4	Octadecane	254	C18H38	000593-45-3	53
5	Heneicosane	296	C21H44	000629-94-7	53



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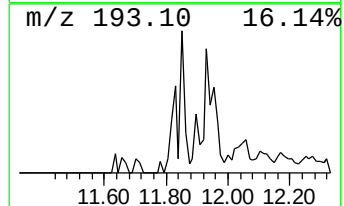
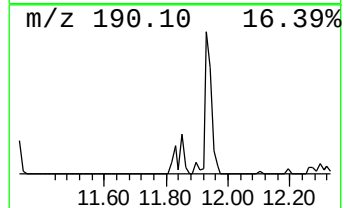
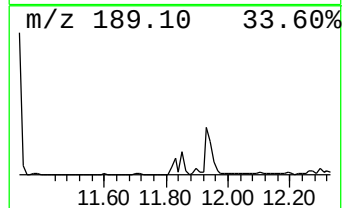
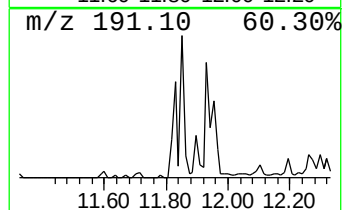
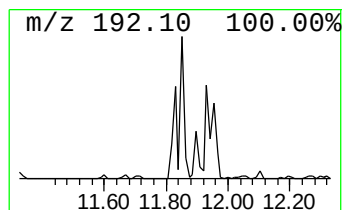
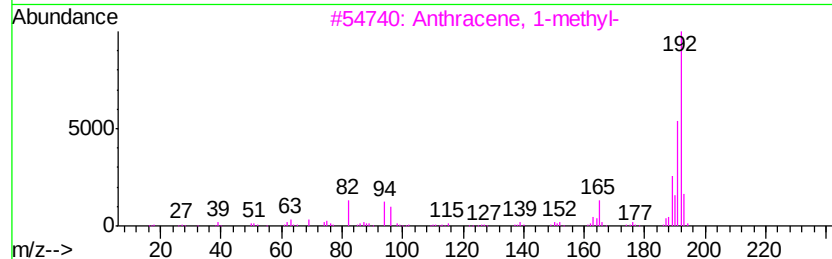
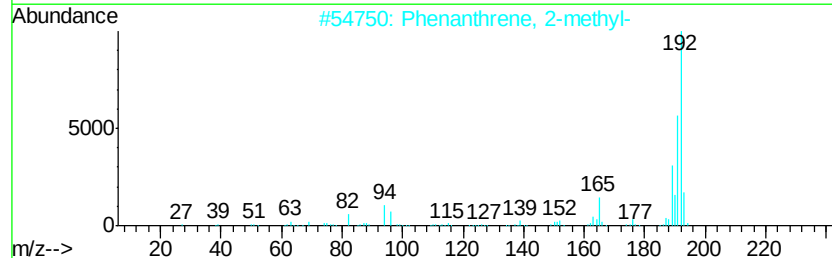
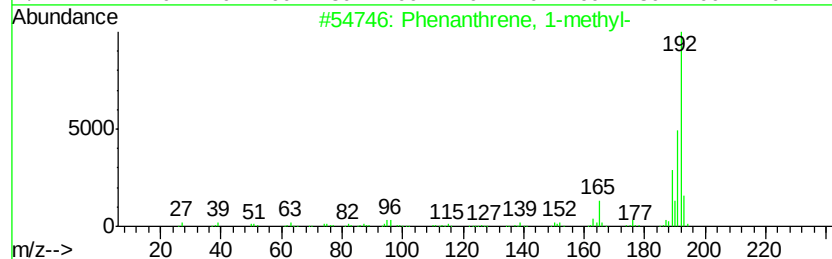
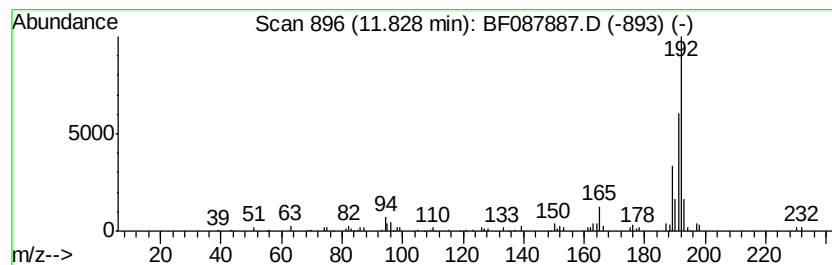
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TIC Library : C:\Database\NIST11.L
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Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.08 ng	77054	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



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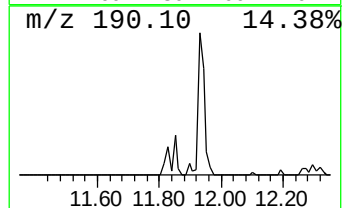
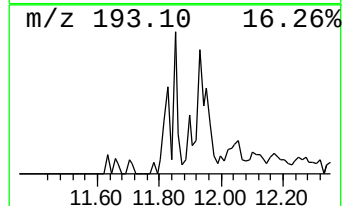
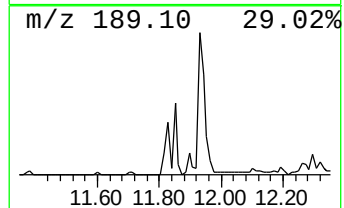
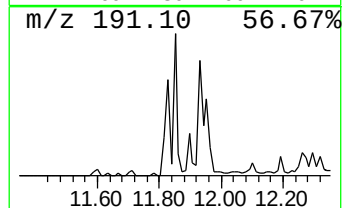
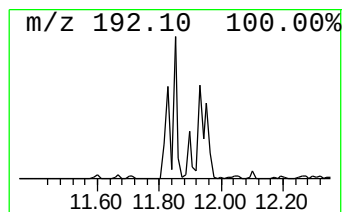
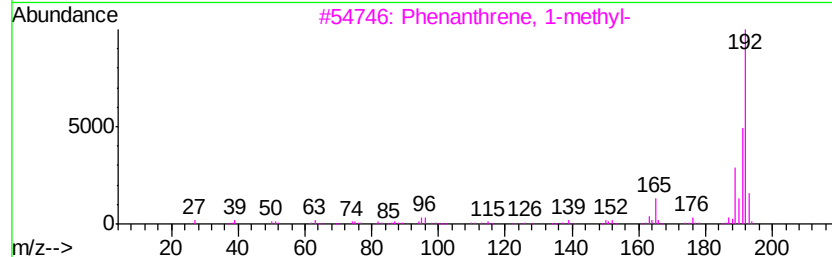
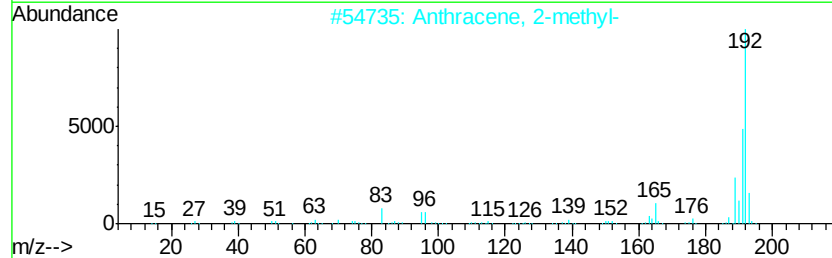
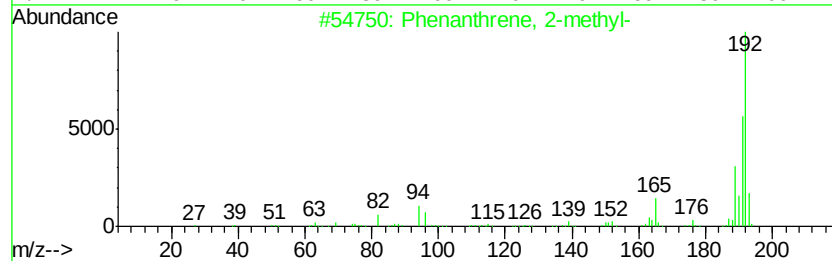
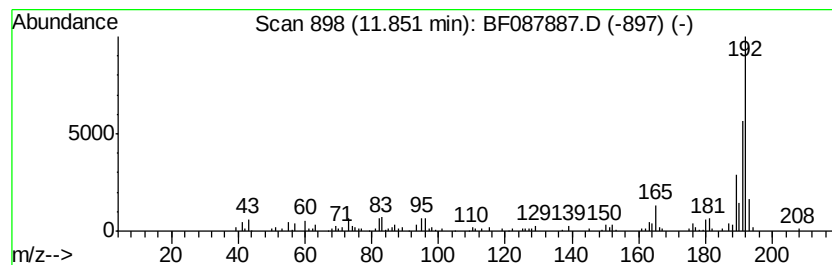
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	3.31 ng	122536	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
Data File : BF087887.D
Acq On : 10 Jun 2016 21:17
Operator : UM/SJ
Sample : H3395-13
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STA-946-PLATFORM(0-4)

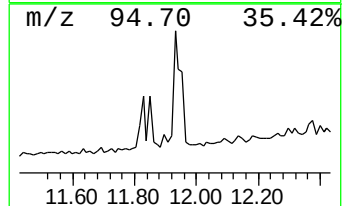
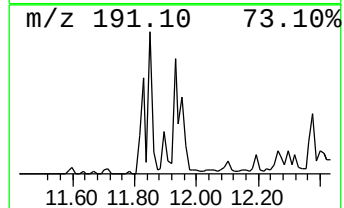
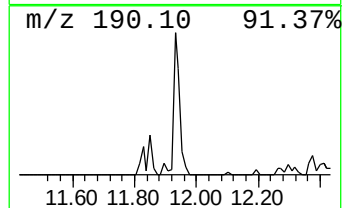
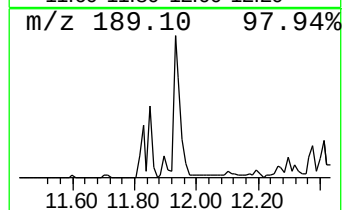
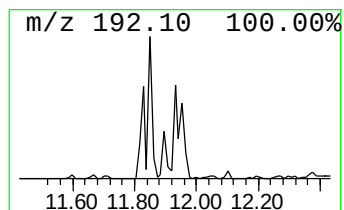
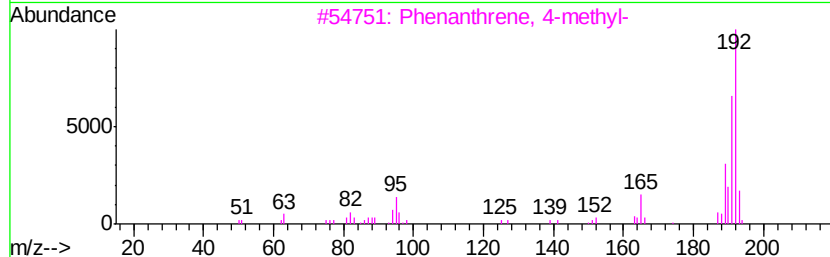
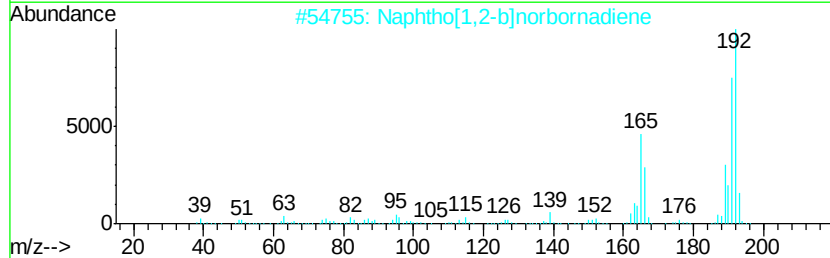
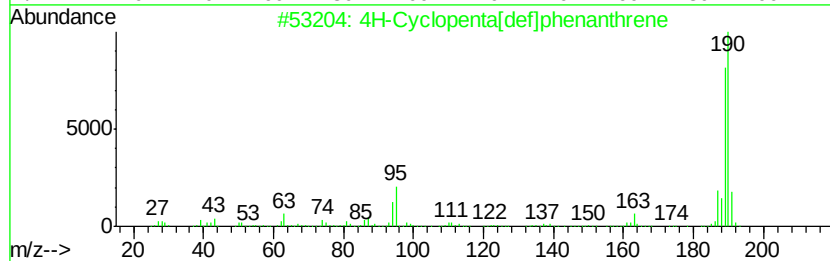
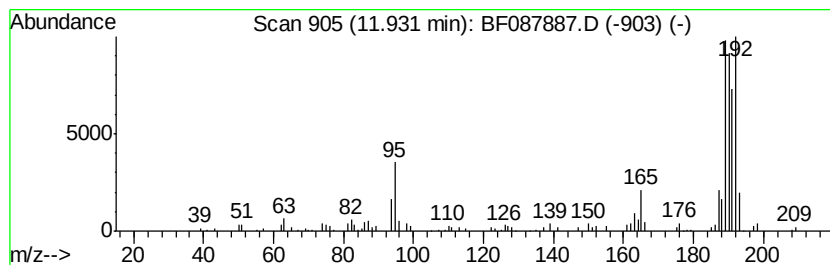
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	4.98 ng	184286	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	50
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
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STA-946-PLATFORM(0-4)

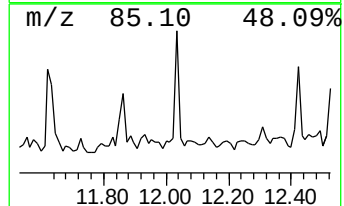
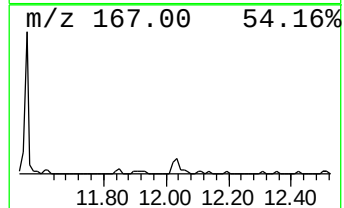
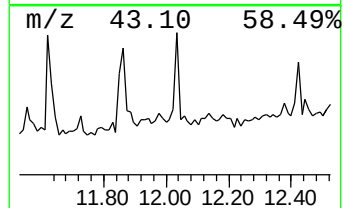
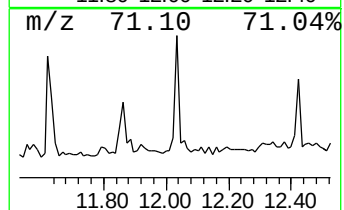
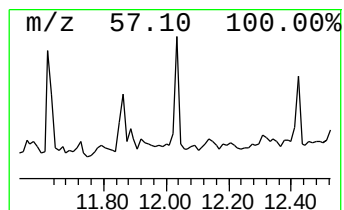
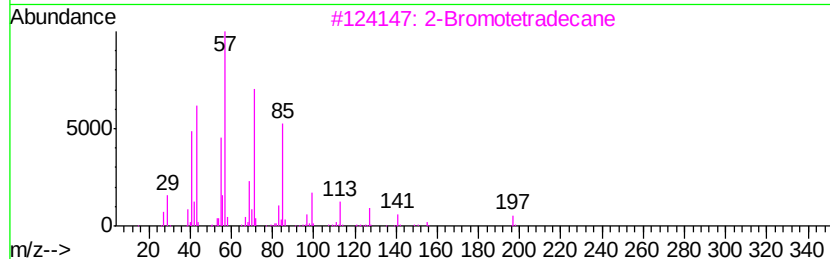
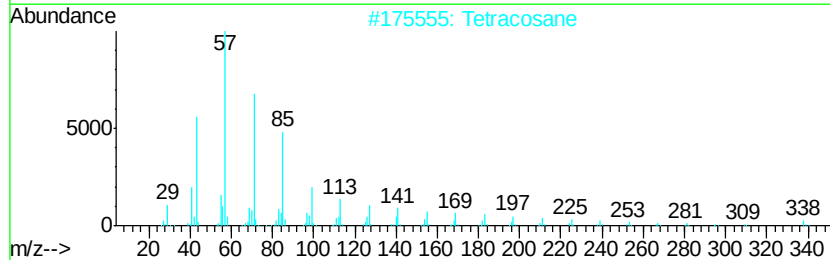
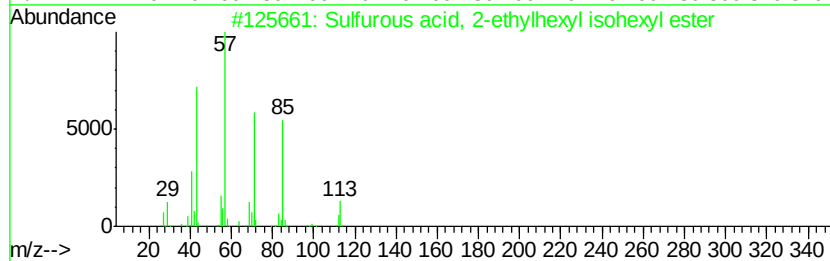
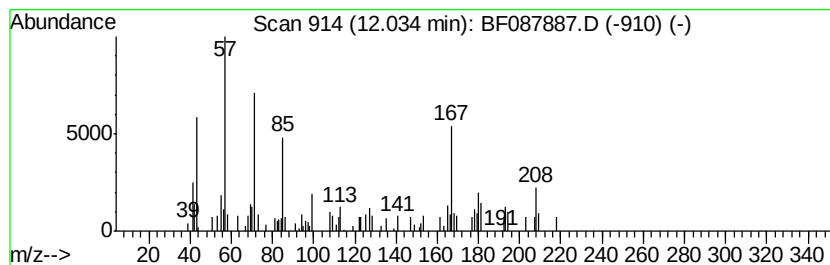
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown12.03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.09 ng	77477	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	30
2		Tetracosane	338	C24H50	000646-31-1	30
3		2-Bromotetradecane	276	C14H29Br	074036-95-6	27
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	27
5		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	27



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Misc :
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ClientSampleId :
STA-946-PLATFORM(0-4)

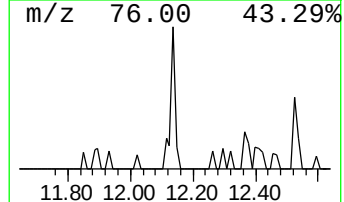
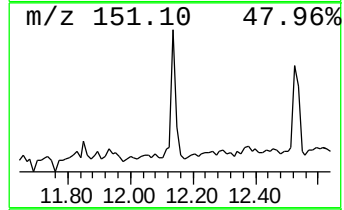
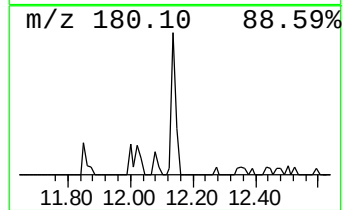
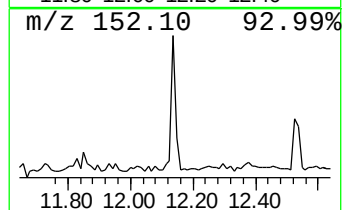
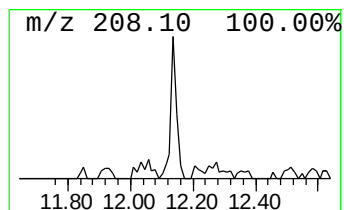
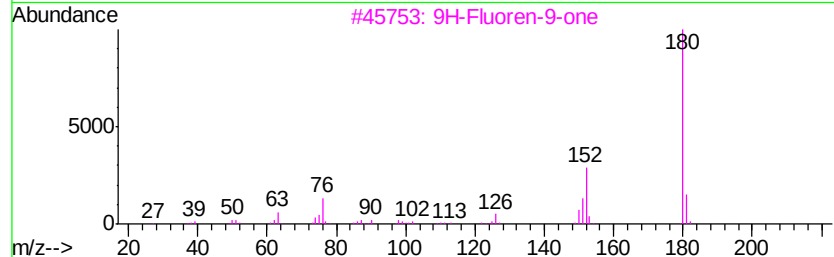
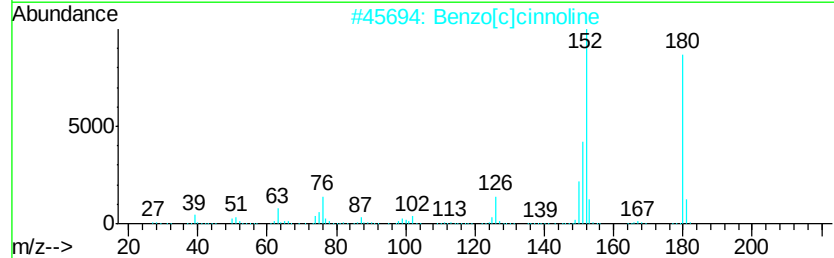
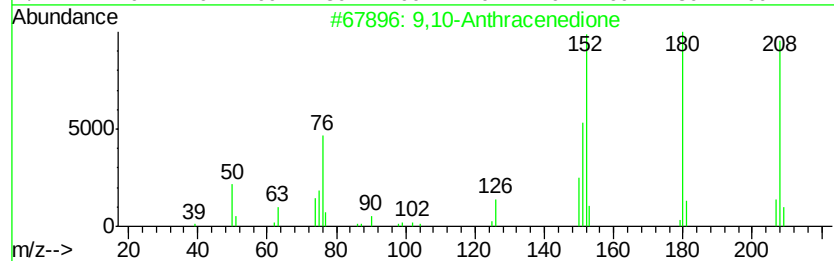
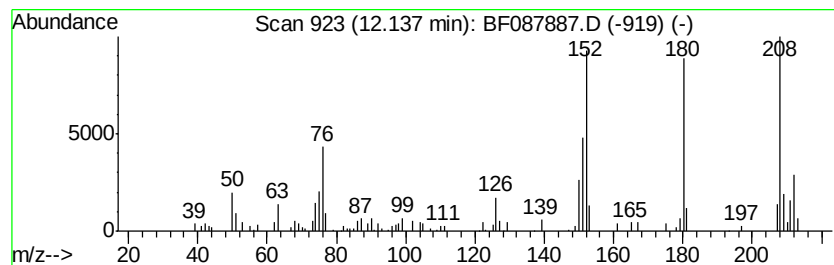
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.08 ng	114031	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087887.D
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Operator : UM/SJ
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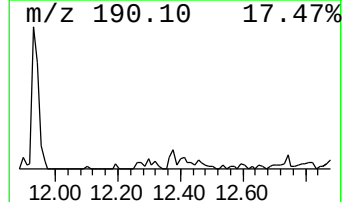
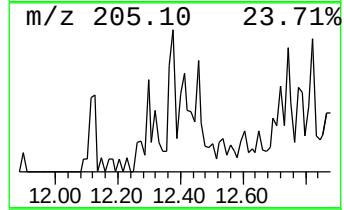
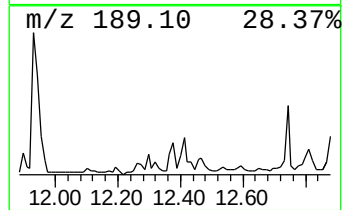
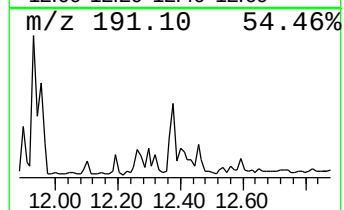
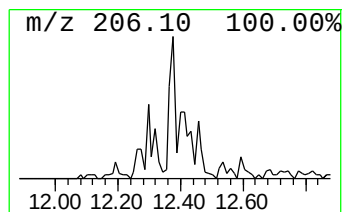
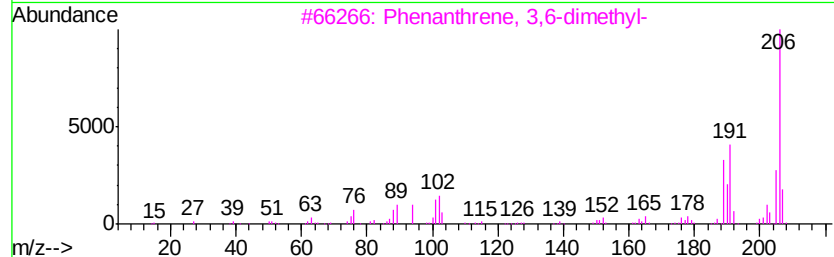
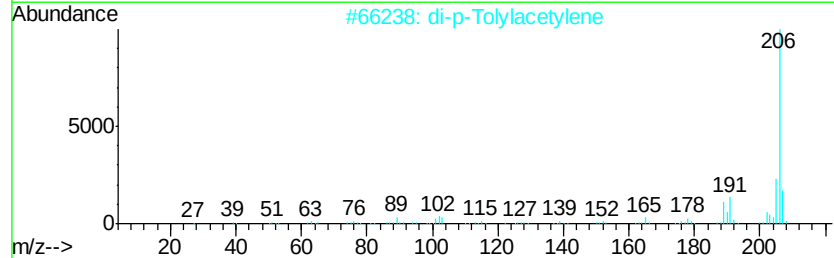
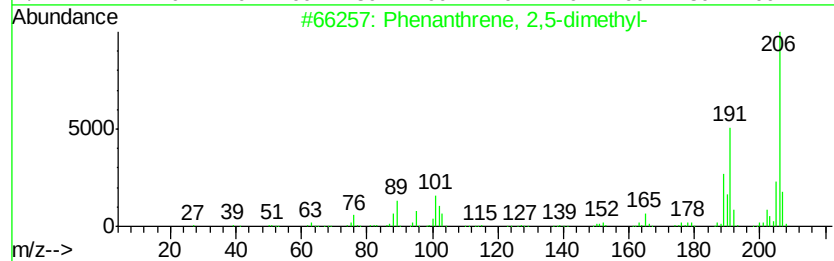
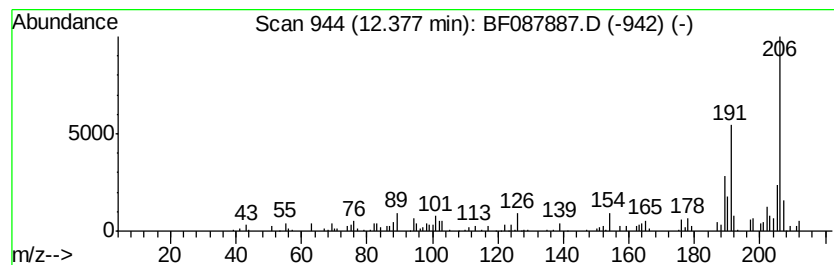
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.07 ng	76715	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
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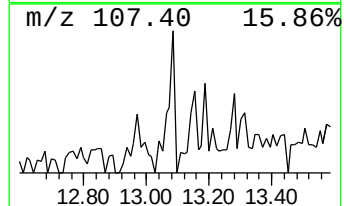
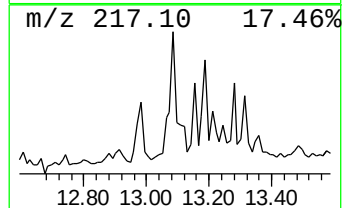
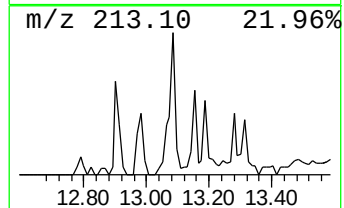
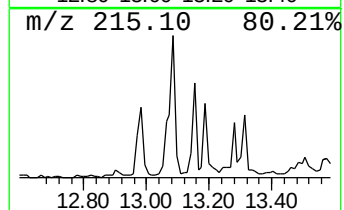
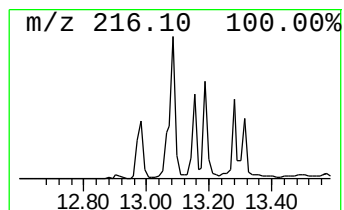
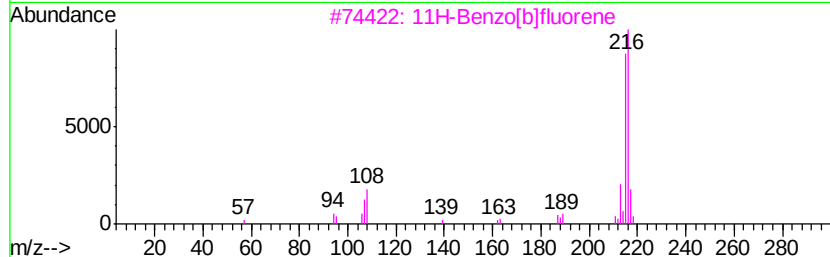
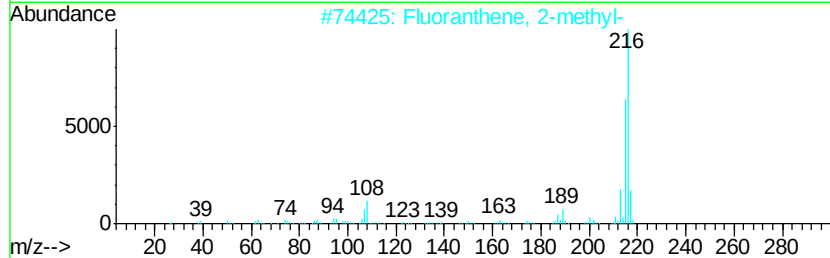
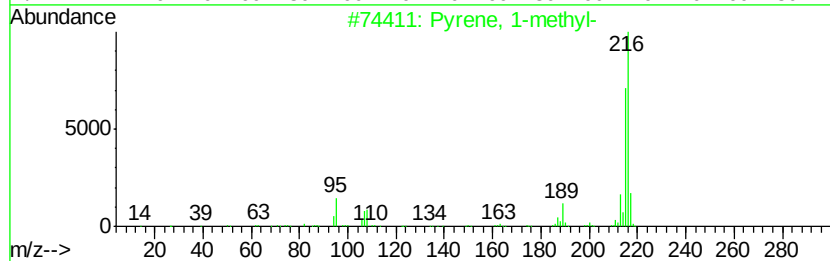
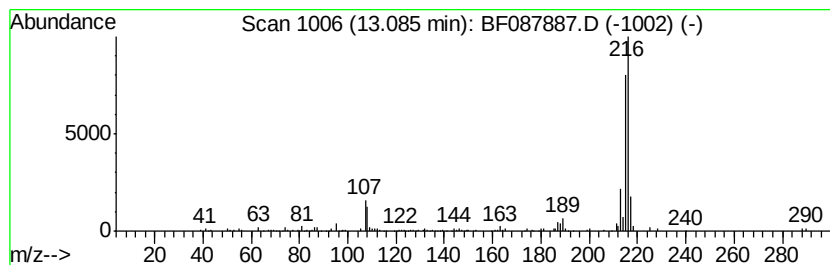
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.37 ng	140542	Chrysene-d12	13.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
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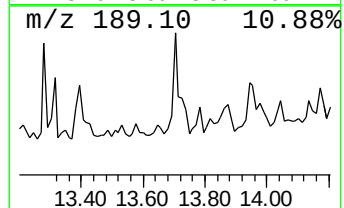
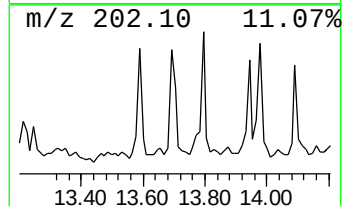
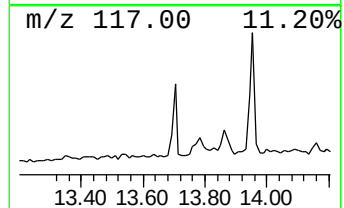
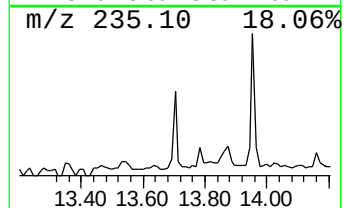
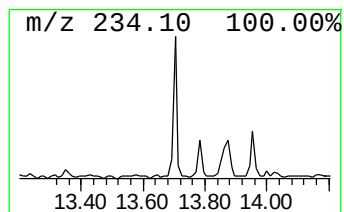
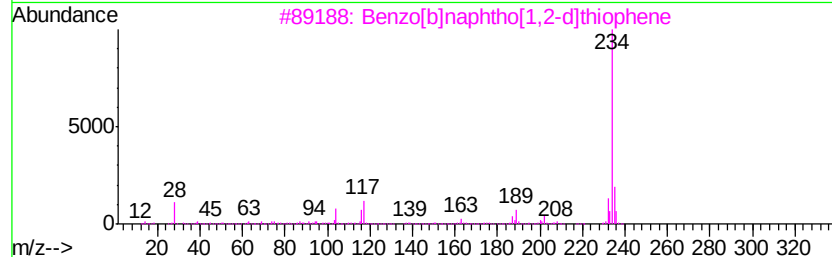
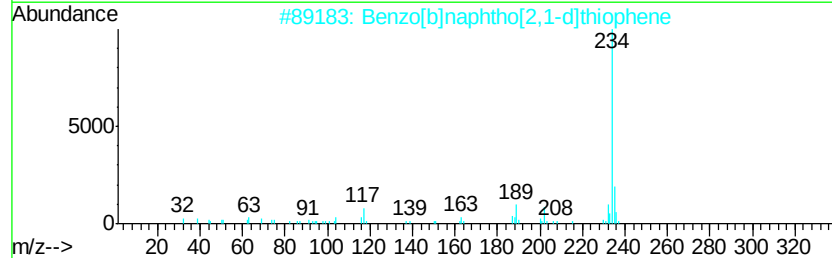
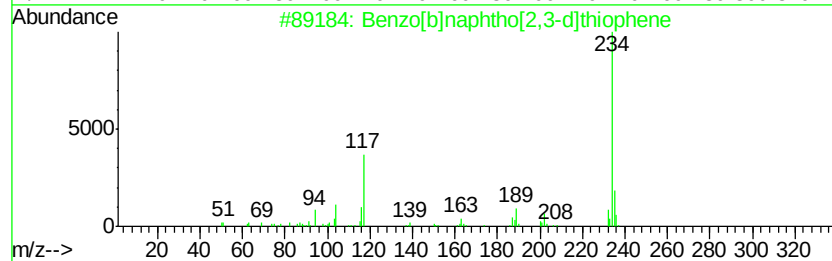
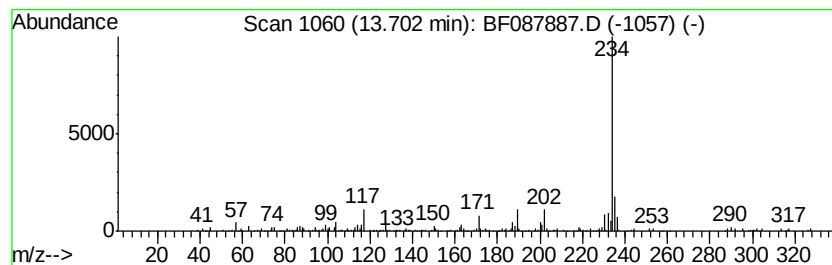
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.70	2.19 ng	129786	Chrysene-d12		13.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	87
5		Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
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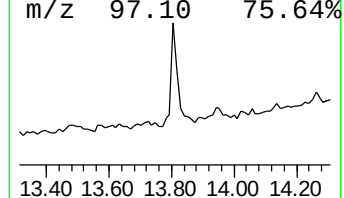
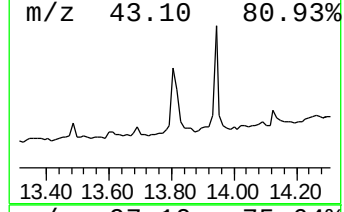
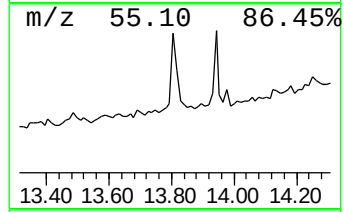
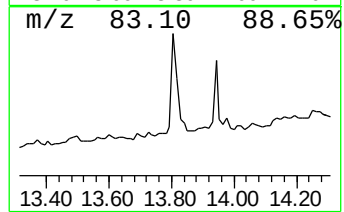
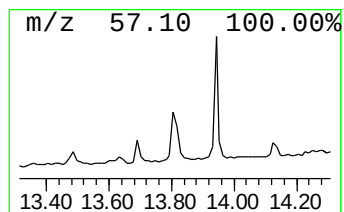
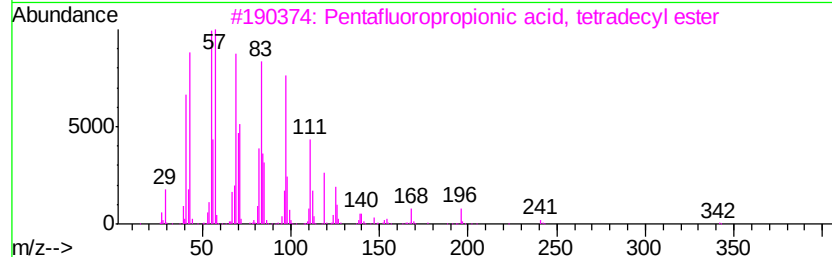
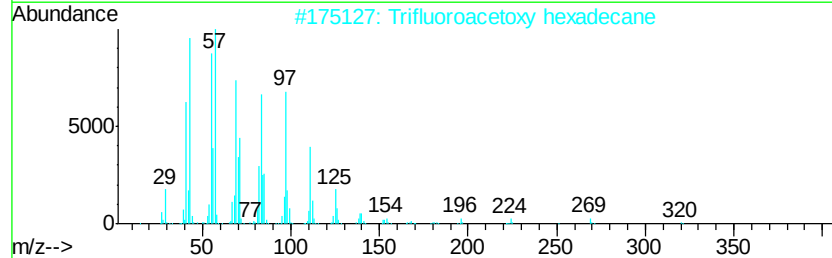
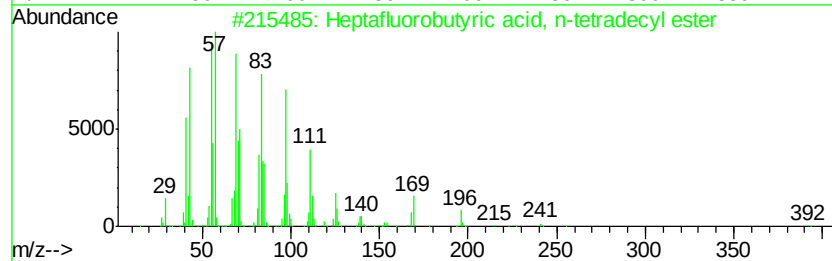
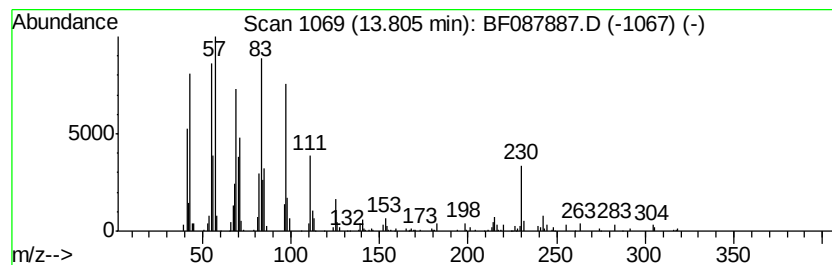
Instrument :
BNA_F
ClientSampleId :
STA-946-PLATFORM(0-4)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Heptafluorobutyric acid, n-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.81	3.40 ng	201597	Chrysene-d12	13.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	93
2		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3		Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	90
4		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
5		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087887.D
 Acq On : 10 Jun 2016 21:17
 Operator : UM/SJ
 Sample : H3395-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-946-PLATFORM(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.98	3.9	ng	132020	1	6.81	681868	20.0
unknown6.58	6.58	52.9	ng	1804040	1	6.81	681868	20.0
Tridecane	10.75	2.1	ng	78906	4	11.33	740719	20.0
Phenanthrene, 1-m...	11.83	2.1	ng	77054	4	11.33	740719	20.0
Phenanthrene, 2-m...	11.85	3.3	ng	122536	4	11.33	740719	20.0
4H-Cyclopenta[def...	11.93	5.0	ng	184286	4	11.33	740719	20.0
unknown12.03	12.03	2.1	ng	77477	4	11.33	740719	20.0
9,10-Anthracenedione	12.14	3.1	ng	114031	4	11.33	740719	20.0
Phenanthrene, 2,5...	12.38	2.1	ng	76715	4	11.33	740719	20.0
Pyrene, 1-methyl-	13.09	2.4	ng	140542	5	13.95	1186950	20.0
Benzo[b]naphtho[2...	13.70	2.2	ng	129786	5	13.95	1186950	20.0
Heptafluorobutyri...	13.81	3.4	ng	201597	5	13.95	1186950	20.0