

Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
 Data File : BF093244.D
 Acq On : 28 Feb 2017 13:13
 Operator : SJ/MA
 Sample : I1998-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-50-COMP

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-BF013017.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	4.967	249	252	263	rBV	852915	1328283	35.54%	3.084%
2	5.413	288	291	293	rBV	2908283	3684366	98.57%	8.554%
3	6.453	379	382	385	rBV	2886408	3460436	92.58%	8.034%
4	6.579	390	393	395	rBV	3814501	3665049	98.05%	8.509%
5	6.807	411	413	415	rBV	917167	864912	23.14%	2.008%
6	6.956	424	426	429	rBV	2073334	2743727	73.40%	6.370%
7	7.379	460	463	465	rBV	2064282	2448427	65.50%	5.684%
8	8.087	523	525	528	rBV	1213138	1144704	30.62%	2.658%
9	9.162	617	619	622	rBV	2792534	3737911	100.00%	8.678%
10	9.505	647	649	652	rBV	45975	72972	1.95%	0.169%
11	9.562	652	654	657	rVB	1010692	872375	23.34%	2.025%
12	9.699	664	666	669	rBV2	63338	73360	1.96%	0.170%
13	9.836	676	678	680	rBV	891617	1221168	32.67%	2.835%
14	10.042	694	696	698	rBV3	32417	47743	1.28%	0.111%
15	10.088	698	700	702	rVB	42122	43375	1.16%	0.101%
16	10.248	712	714	715	rBV	31607	44937	1.20%	0.104%
17	10.271	715	716	717	rVB	90443	65183	1.74%	0.151%
18	10.385	725	726	729	rVB	55358	70728	1.89%	0.164%
19	10.499	733	736	738	rVV2	27265	49599	1.33%	0.115%
20	10.636	745	748	750	rBV	1992671	1985764	53.12%	4.610%
21	10.751	756	758	762	rVB2	91052	155022	4.15%	0.360%
22	10.842	762	766	771	rBV6	14598	42462	1.14%	0.099%
23	10.933	771	774	776	rBV3	40754	67505	1.81%	0.157%
24	11.071	783	786	790	rVB3	21494	52773	1.41%	0.123%
25	11.196	793	797	798	rVV2	71961	100872	2.70%	0.234%
26	11.219	798	799	802	rVB	59637	69330	1.85%	0.161%
27	11.334	806	809	813	rBV2	869655	1846298	49.39%	4.286%
28	11.402	813	815	817	rVV	103120	90837	2.43%	0.211%
29	11.494	821	823	827	rVB2	36872	49114	1.31%	0.114%
30	11.574	827	830	832	rBV4	19717	39887	1.07%	0.093%
31	11.619	832	834	835	rVV	91213	76431	2.04%	0.177%
32	11.654	835	837	842	rVB5	33637	56198	1.50%	0.130%
33	11.825	850	852	853	rBV	197907	191128	5.11%	0.444%
34	11.859	853	855	857	rVV	259310	238569	6.38%	0.554%

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35	11.905	857	859	860	rVV	52779	50165	1.34%	0.116%
36	11.939	860	862	867	rVB2	267923	439463	11.76%	1.020%
37	12.122	876	878	880	rBV	117238	107022	2.86%	0.248%
38	12.156	880	881	883	rVB	50372	44766	1.20%	0.104%
39	12.271	888	891	892	rBV2	54381	71712	1.92%	0.166%
40	12.305	892	894	895	rVB	58523	45875	1.23%	0.107%
41	12.374	898	900	902	rBV	162724	198749	5.32%	0.461%
42	12.408	902	903	906	rVV2	80898	130862	3.50%	0.304%
43	12.465	906	908	912	rVB2	106814	153162	4.10%	0.356%
44	12.534	912	914	917	rBV	729527	936085	25.04%	2.173%
45	12.602	917	920	922	rBV2	54952	96174	2.57%	0.223%
46	12.694	924	928	931	rBV3	35030	74636	2.00%	0.173%
47	12.762	931	934	937	rBV2	703433	985735	26.37%	2.289%
48	12.819	937	939	941	rVB	60021	81884	2.19%	0.190%
49	12.911	944	947	950	rVB	3167169	3118892	83.44%	7.241%
50	12.979	950	953	957	rBV2	93437	162513	4.35%	0.377%
51	13.094	959	963	965	rVB	127988	234195	6.27%	0.544%
52	13.139	965	967	968	rBV	28260	42606	1.14%	0.099%
53	13.162	968	969	970	rVV	55361	38535	1.03%	0.089%
54	13.197	970	972	976	rVB	143443	164738	4.41%	0.382%
55	13.288	979	980	982	rVV	90035	92663	2.48%	0.215%
56	13.322	982	983	985	rVB	108522	85559	2.29%	0.199%
57	13.608	1004	1008	1010	rBV	101207	134183	3.59%	0.312%
58	13.711	1014	1017	1018	rBV	91622	125389	3.35%	0.291%
59	13.814	1023	1026	1030	rVB3	174542	293372	7.85%	0.681%
60	13.882	1030	1032	1035	rBV2	23572	39322	1.05%	0.091%
61	13.962	1035	1039	1045	rBV2	1043380	1697460	45.41%	3.941%
62	14.054	1045	1047	1051	rVV2	25865	45320	1.21%	0.105%
63	14.122	1051	1053	1057	rBV5	33861	81851	2.19%	0.190%
64	14.351	1071	1073	1075	rBV	96645	88977	2.38%	0.207%
65	14.385	1075	1076	1077	rVB	60257	41336	1.11%	0.096%
66	14.442	1077	1081	1082	rBV3	33759	79071	2.12%	0.184%
67	14.477	1082	1084	1087	rVB2	49153	69979	1.87%	0.162%
68	14.797	1110	1112	1113	rBV	97819	136397	3.65%	0.317%
69	14.980	1125	1128	1135	rBV	229082	482467	12.91%	1.120%
70	15.082	1135	1137	1139	rVB	45948	50090	1.34%	0.116%
71	15.265	1151	1153	1156	rVB	140597	172063	4.60%	0.399%

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72	15.322	1156	1158	1161	rBV	182539	241251	6.45%	0.560%
73	15.391	1161	1164	1166	rBV	510607	843292	22.56%	1.958%
74	15.791	1197	1199	1202	rBV3	24045	50229	1.34%	0.117%
75	16.763	1281	1284	1289	rBV	85568	194665	5.21%	0.452%
76	17.186	1318	1321	1327	rVB	69012	149130	3.99%	0.346%

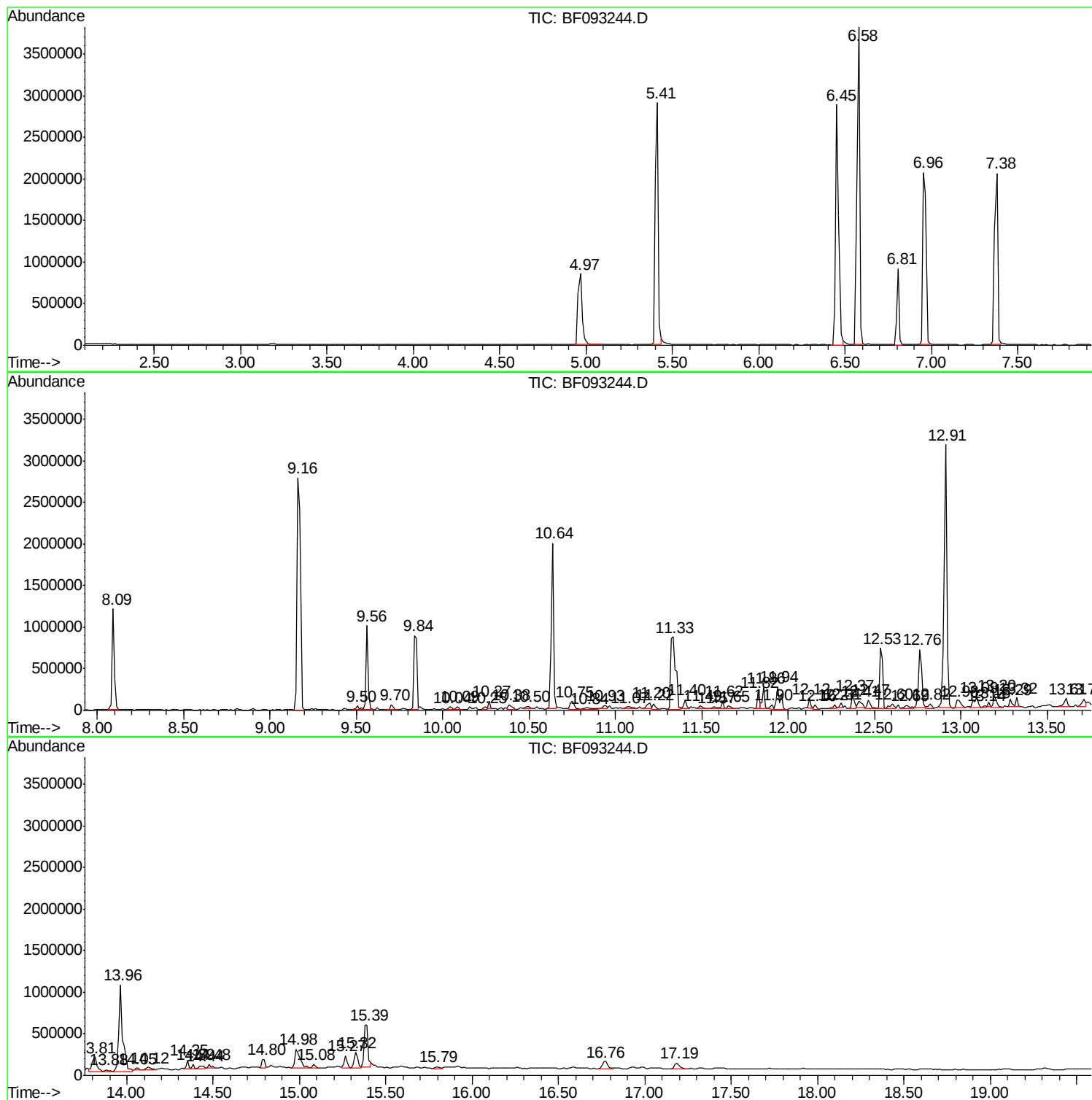
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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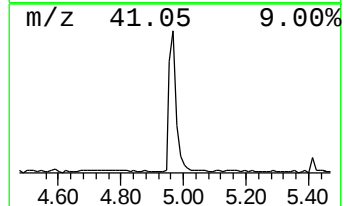
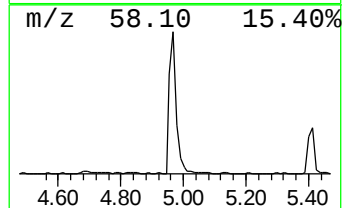
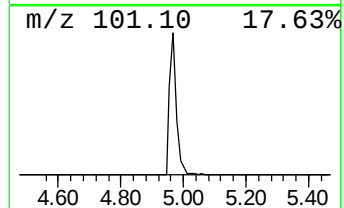
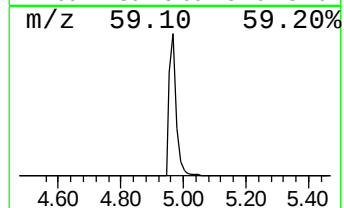
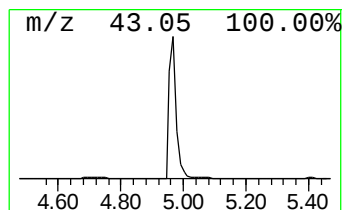
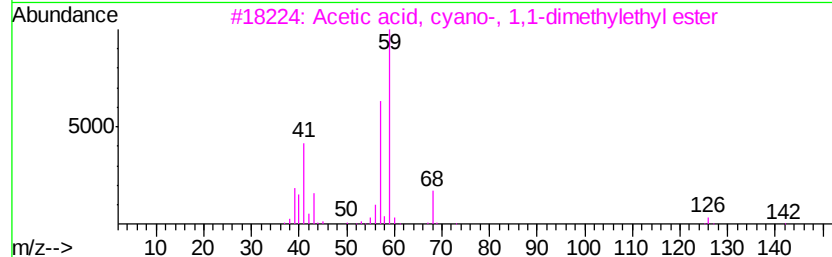
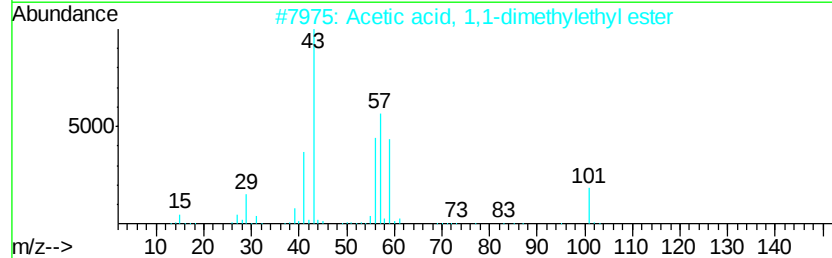
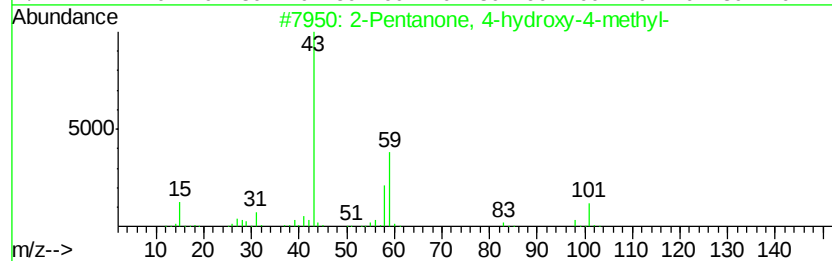
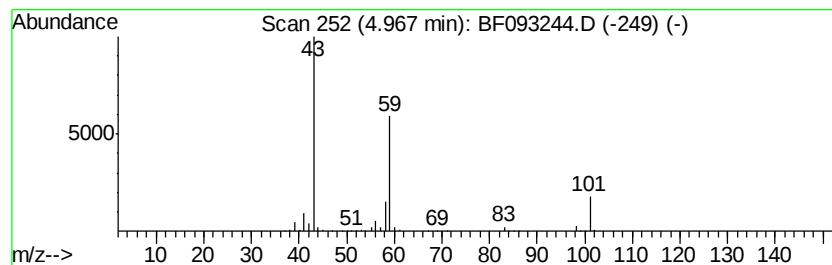
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	30.71 ng	1328280	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	23
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	9



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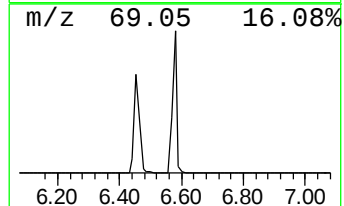
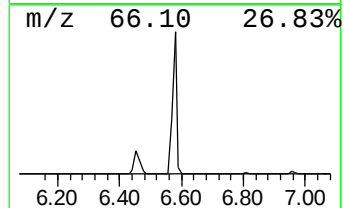
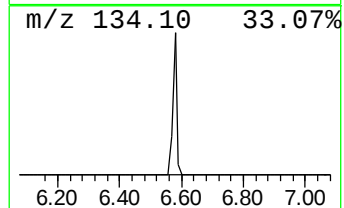
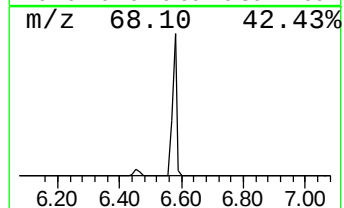
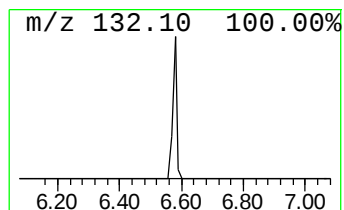
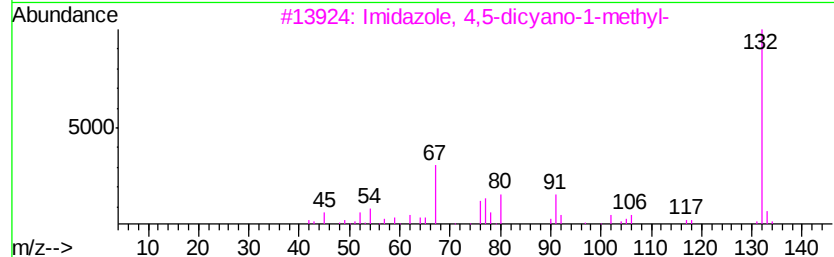
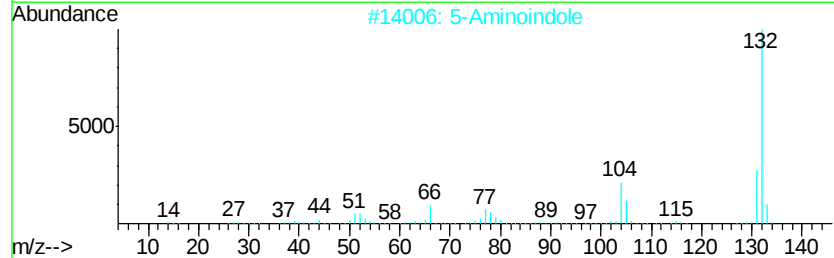
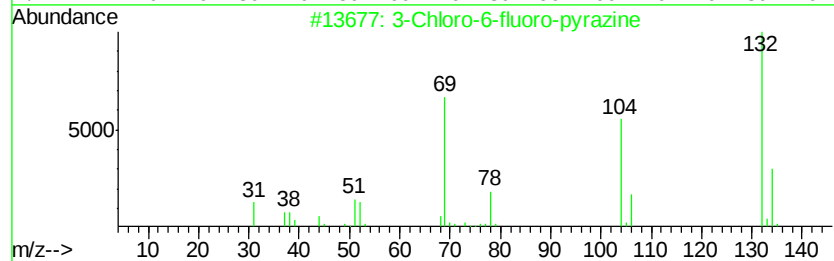
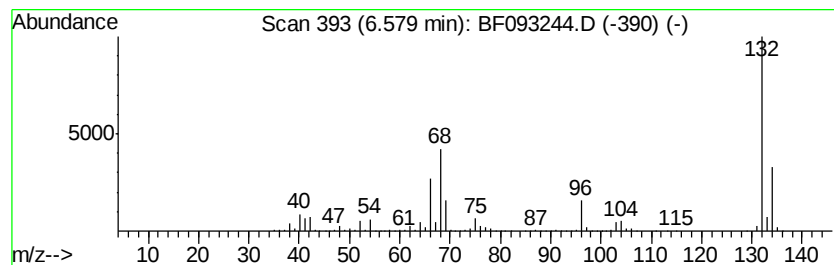
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	84.75 ng	3665050	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
4			Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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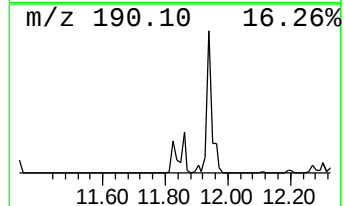
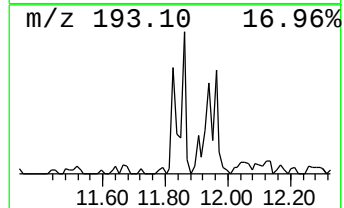
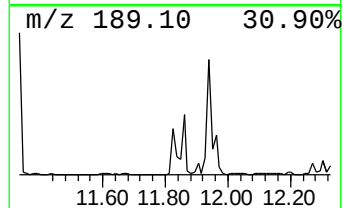
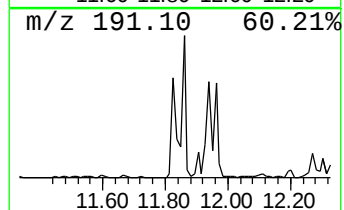
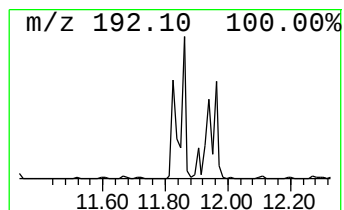
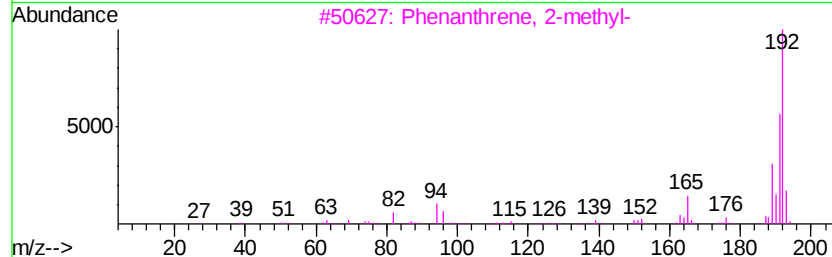
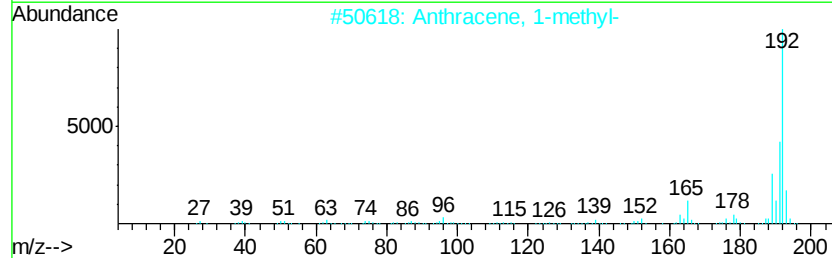
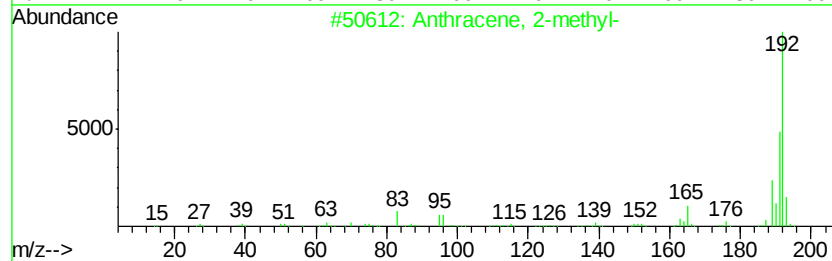
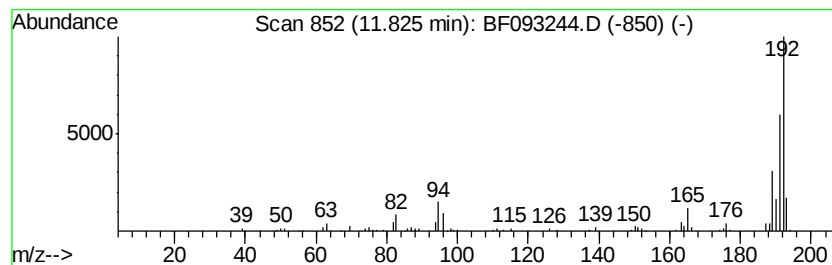
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	2.07 ng	191128	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



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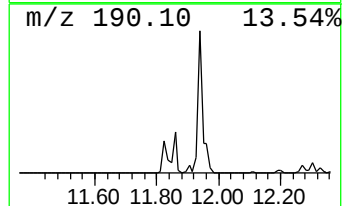
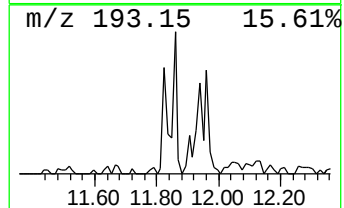
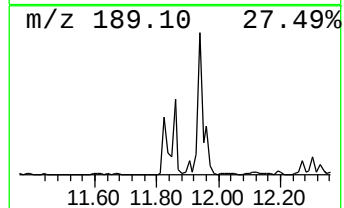
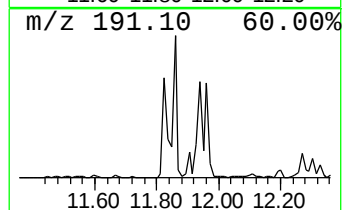
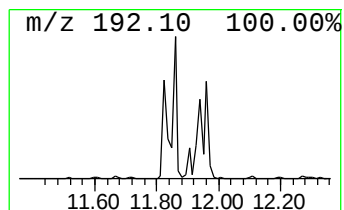
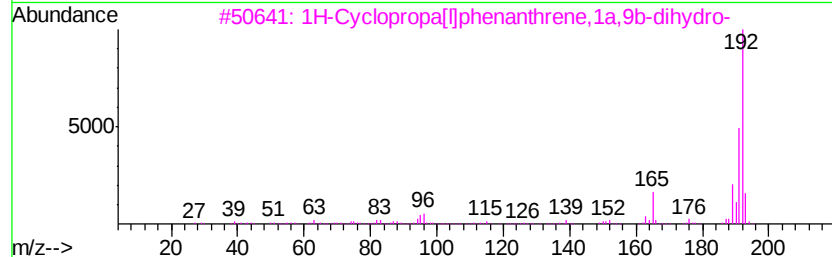
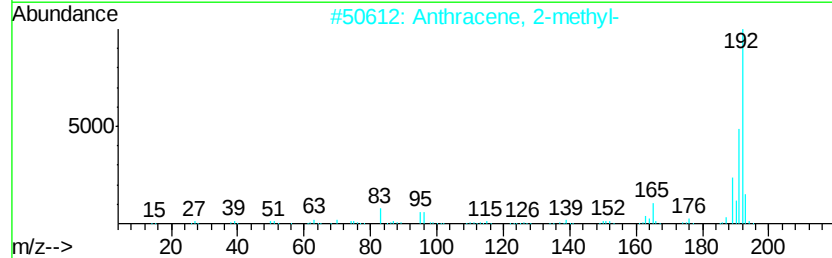
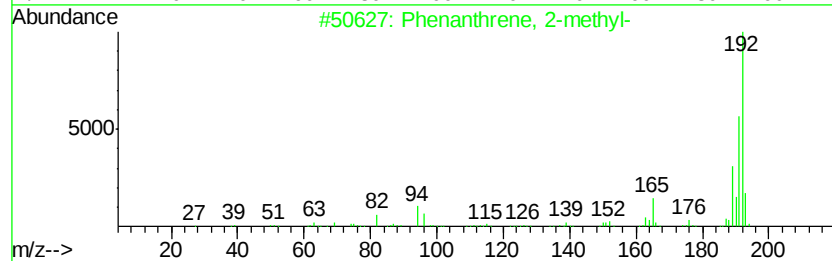
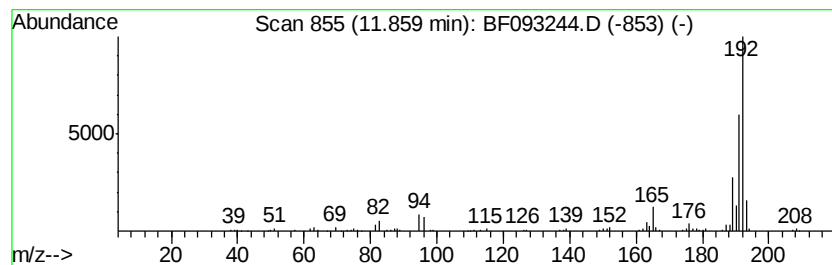
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ClientSampleId :
ROLL-OFF-15-50-COMP

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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 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.86	2.58 ng	238569	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093244.D
Acq On : 28 Feb 2017 13:13
Operator : SJ/MA
Sample : I1998-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

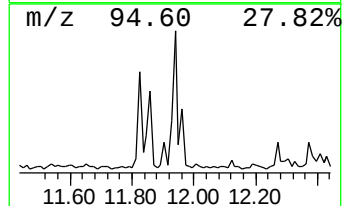
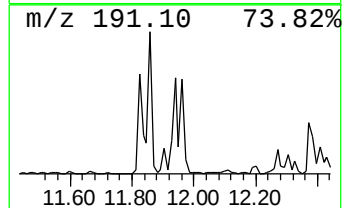
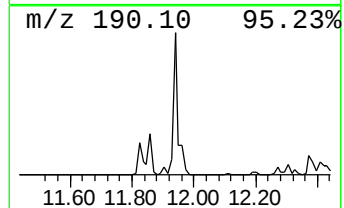
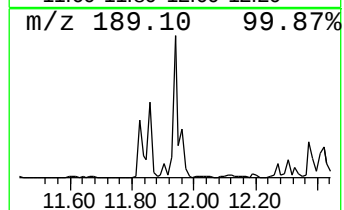
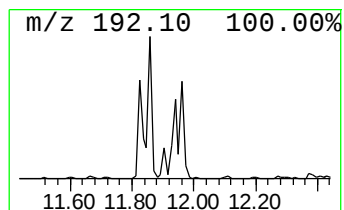
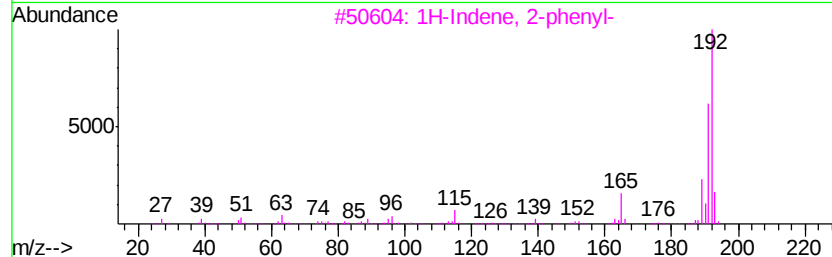
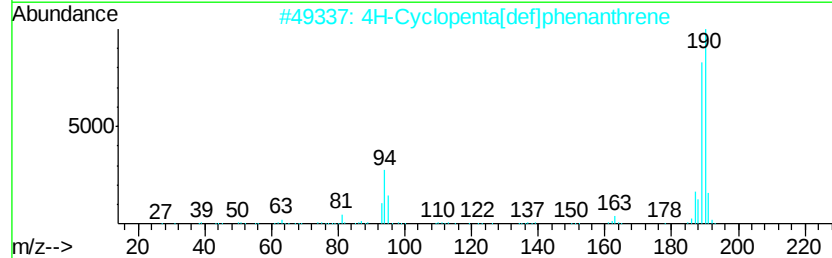
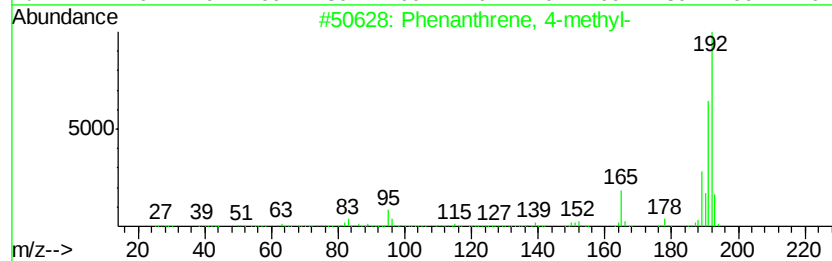
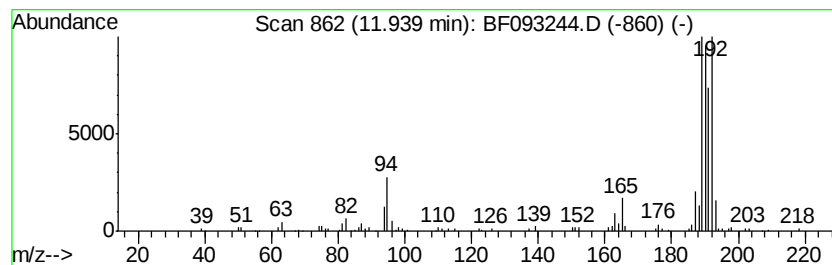
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.94 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.76 ng	439463	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	45



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
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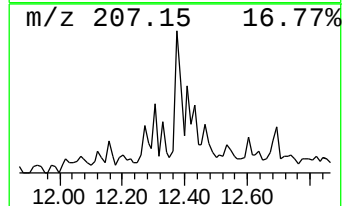
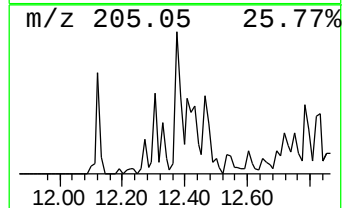
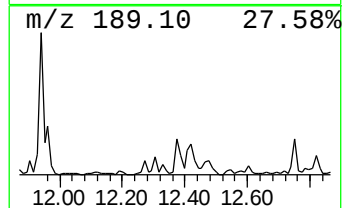
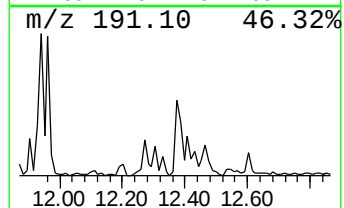
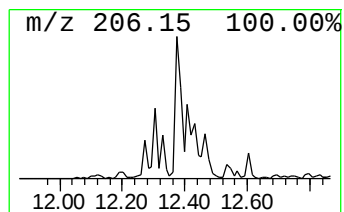
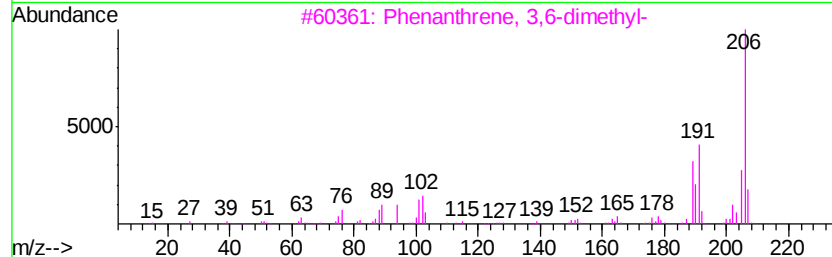
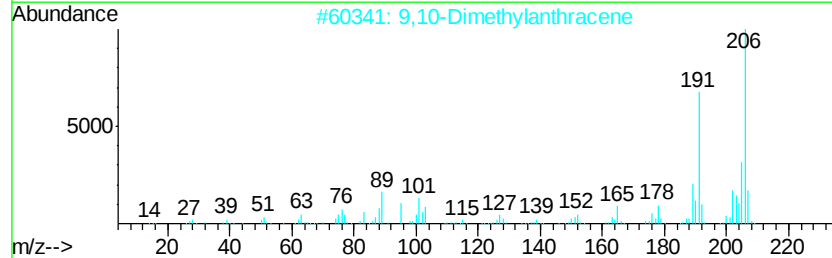
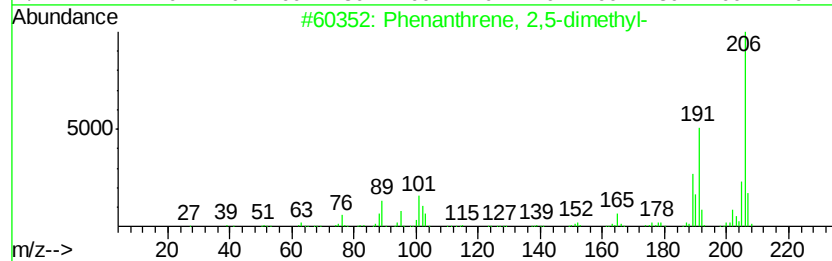
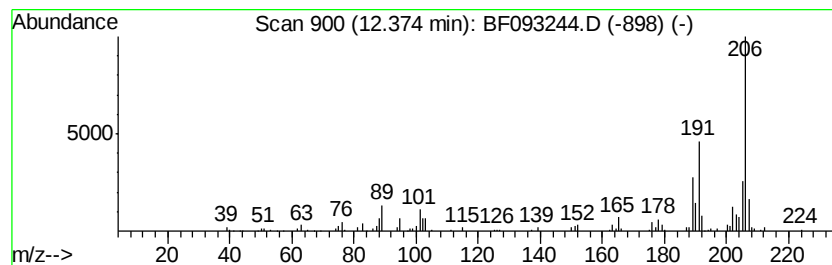
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.37	2.15 ng	198749	Phenanthrene-d10		11.33		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
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Sample : I1998-01
Misc :
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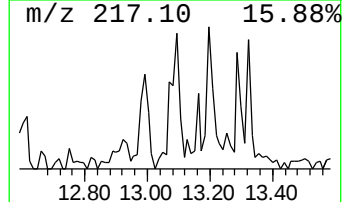
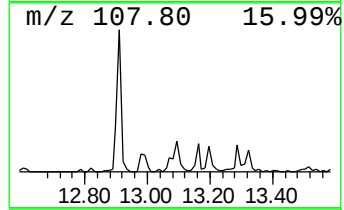
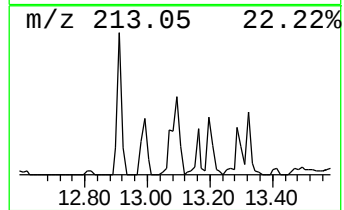
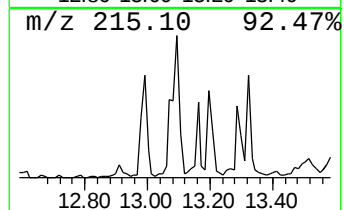
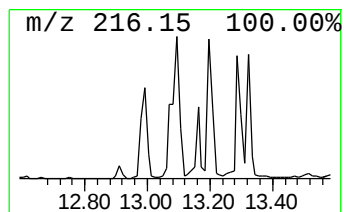
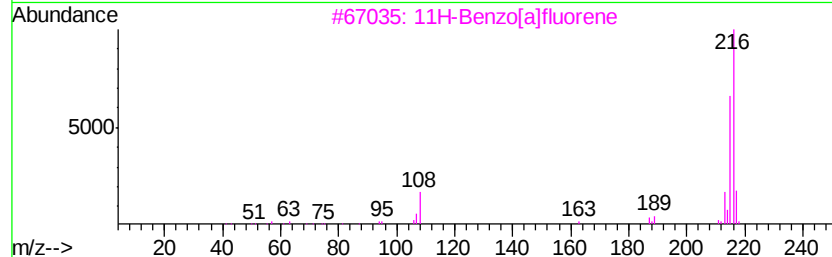
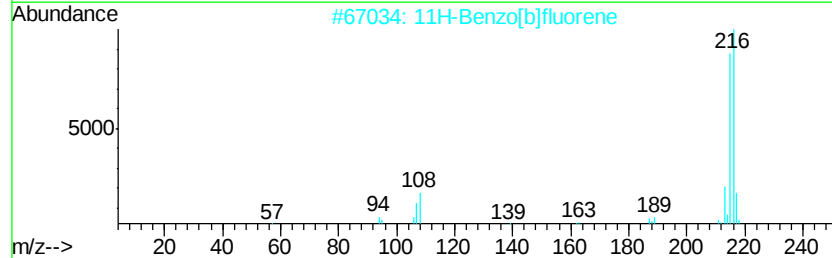
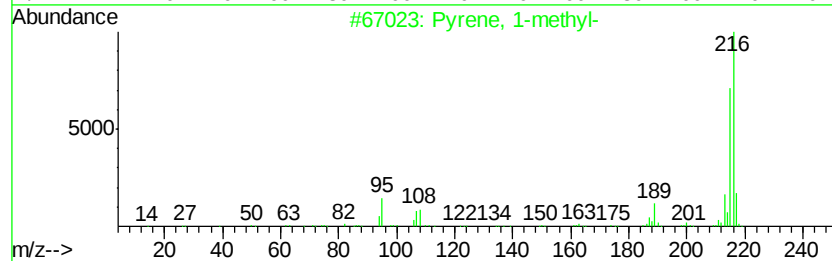
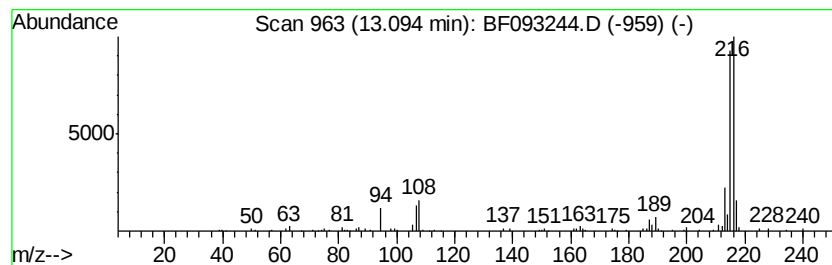
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.09	2.76 ng	234195	Chrysene-d12		13.96
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093244.D
Acq On : 28 Feb 2017 13:13
Operator : SJ/MA
Sample : I1998-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ROLL-OFF-15-50-COMP

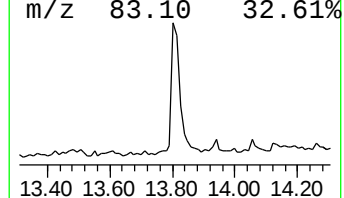
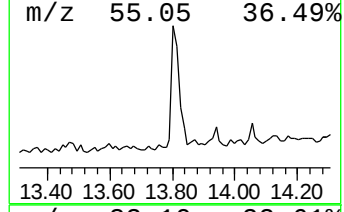
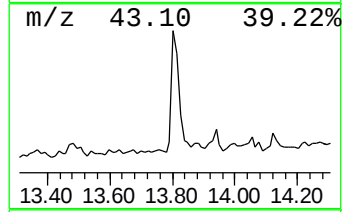
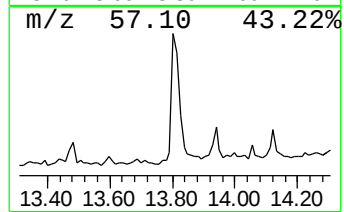
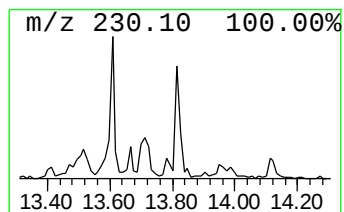
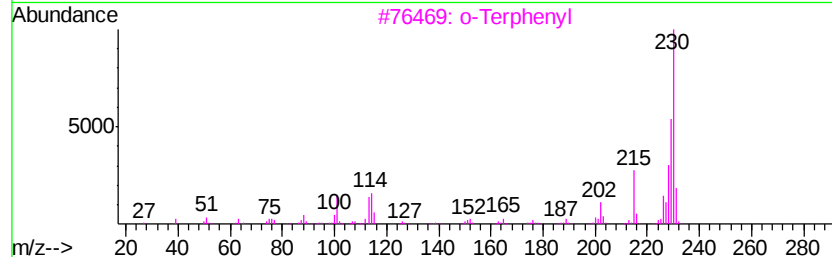
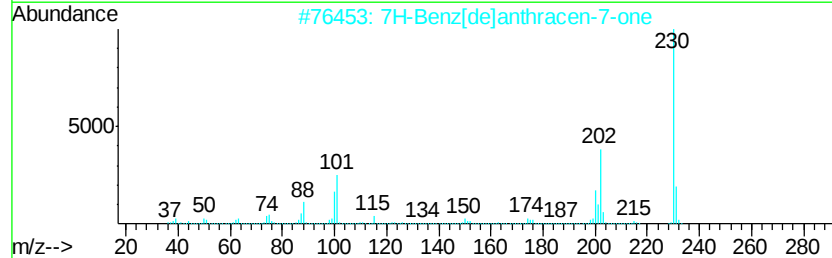
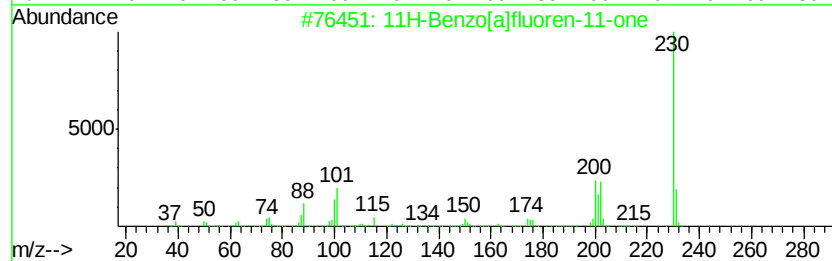
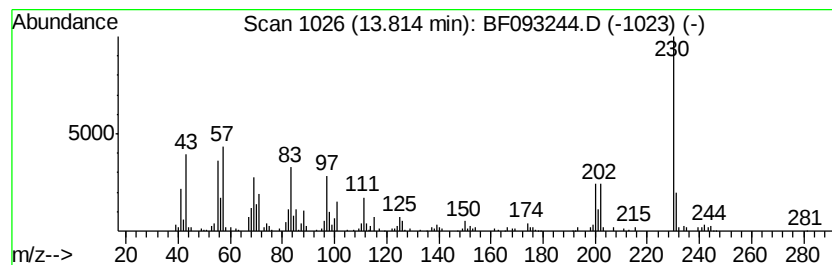
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.46 ng	293372	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3		o-Terphenyl	230	C18H14	000084-15-1	50
4		Benzene, 1-phenyl-4-(2,2-dicyano...	230	C16H10N2	026089-09-8	49
5		Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	47



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093244.D
Acq On : 28 Feb 2017 13:13
Operator : SJ/MA
Sample : I1998-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

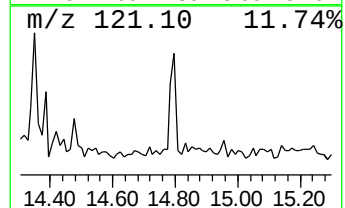
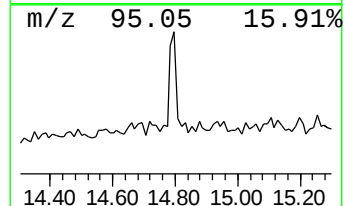
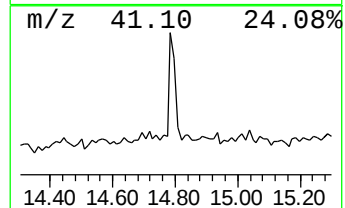
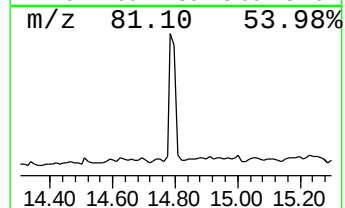
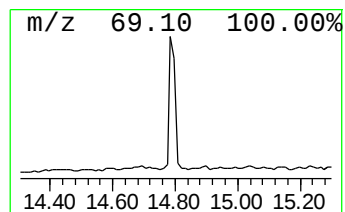
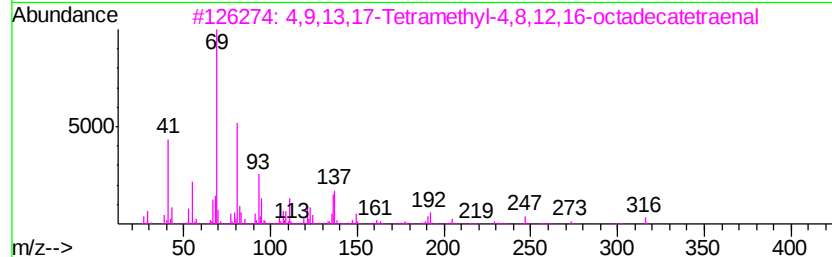
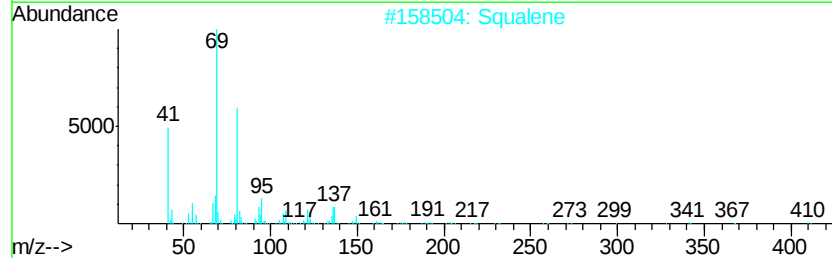
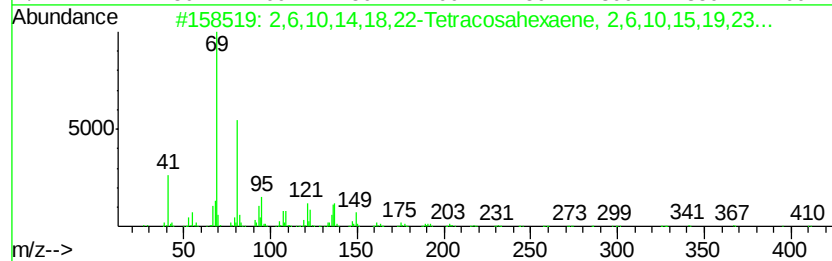
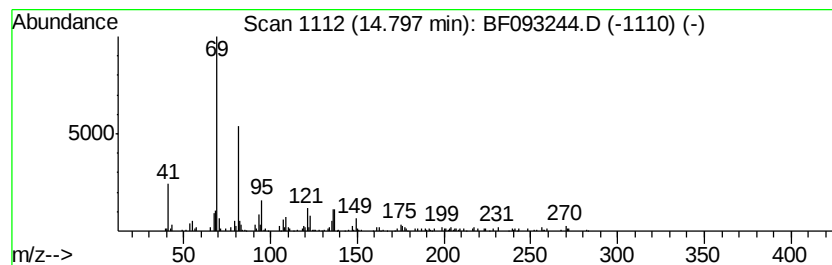
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2,6,10,14,18,22-Tetracosahexaene... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.80	3.23 ng	136397	Perylene-d12	15.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	90
2	Squalene	410	C30H50	007683-64-9	90
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	78
4	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	72
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ROLL-OFF-15-50-COMP

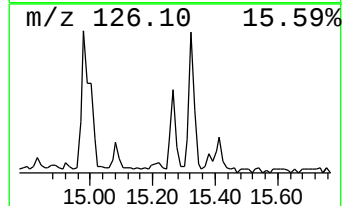
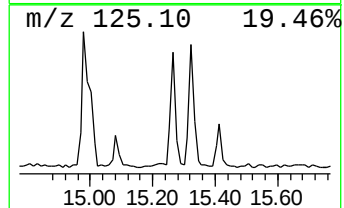
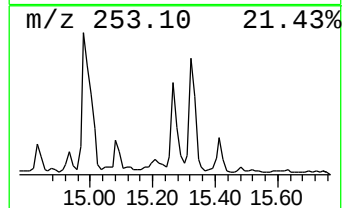
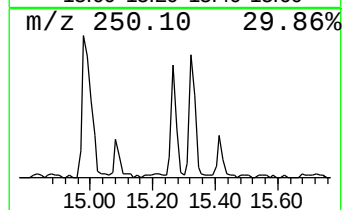
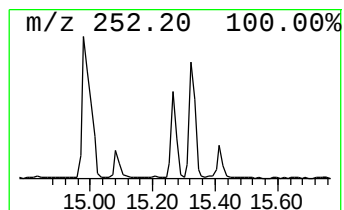
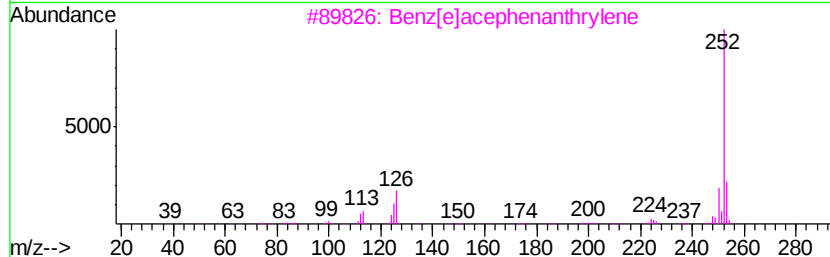
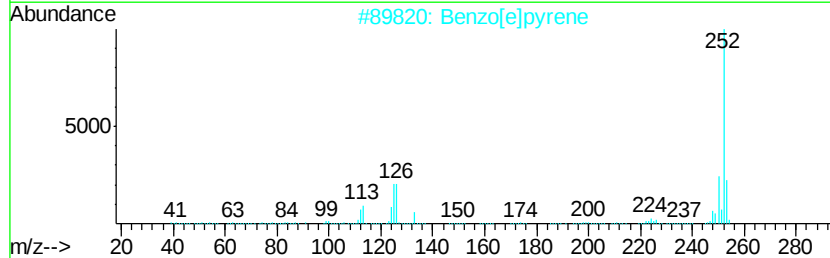
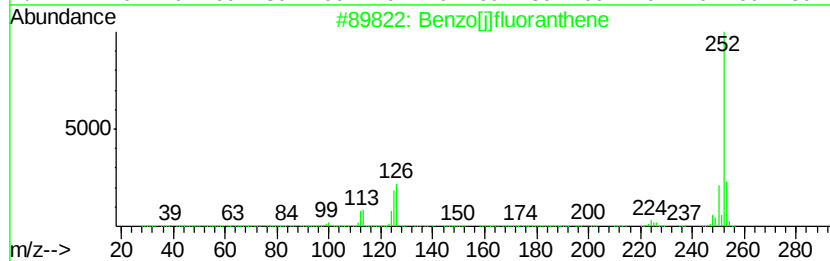
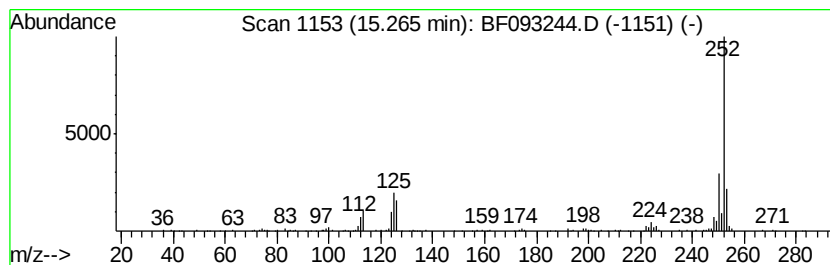
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	4.08 ng	172063	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4		Perylene	252	C20H12	000198-55-0	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\HPCHEM1\BNA_F\Data\BF022817\
Data File : BF093244.D
Acq On : 28 Feb 2017 13:13
Operator : SJ/MA
Sample : I1998-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-50-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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...	4.97	30.7	ng	1328280	1	6.81	864912	20.0
unknown6.58	6.58	84.8	ng	3665050	1	6.81	864912	20.0
Anthracene, 2-met...	11.83	2.1	ng	191128	4	11.33	1846300	20.0
Phenanthrene, 2-m...	11.86	2.6	ng	238569	4	11.33	1846300	20.0
unknown11.94	11.94	4.8	ng	439463	4	11.33	1846300	20.0
Phenanthrene, 2,5...	12.37	2.1	ng	198749	4	11.33	1846300	20.0
Pyrene, 1-methyl-	13.09	2.8	ng	234195	5	13.96	1697460	20.0
11H-Benzo[a]fluor...	13.81	3.5	ng	293372	5	13.96	1697460	20.0
2,6,10,14,18,22-T...	14.80	3.2	ng	136397	6	15.39	843292	20.0
Benzo[j]fluoranthene	15.27	4.1	ng	172063	6	15.39	843292	20.0