

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093196.D
 Acq On : 25 Feb 2017 16:50
 Operator : SJ/MA
 Sample : I1973-13
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-3

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	5.001	252	255	263	rBV	980398	1516461	34.19%	3.515%
2	5.447	291	294	296	rBV	3534513	3571594	80.53%	8.279%
3	6.499	382	386	388	rBV	3047709	4435077	100.00%	10.281%
4	6.613	393	396	398	rBV	3707383	3699131	83.41%	8.575%
5	6.830	413	415	418	rBV	732049	953393	21.50%	2.210%
6	6.990	427	429	432	rBV	2621296	2770170	62.46%	6.422%
7	7.413	463	466	468	rBV	1740174	2189123	49.36%	5.075%
8	7.527	473	476	480	rVB2	31257	48877	1.10%	0.113%
9	8.122	526	528	531	rBV	1162316	1232061	27.78%	2.856%
10	9.208	620	623	625	rBV	3792619	3906457	88.08%	9.056%
11	9.608	655	658	659	rBV	638935	856870	19.32%	1.986%
12	9.882	679	682	684	rBV	1451476	1288604	29.05%	2.987%
13	10.305	715	719	721	rBV2	66616	128146	2.89%	0.297%
14	10.431	728	730	732	rVB	63263	66516	1.50%	0.154%
15	10.533	735	739	742	rVB3	25066	57574	1.30%	0.133%
16	10.671	749	751	754	rBV2	1292327	1475686	33.27%	3.421%
17	10.785	759	761	767	rVB	115732	149258	3.37%	0.346%
18	10.876	767	769	772	rBV3	25136	46429	1.05%	0.108%
19	10.979	775	778	779	rBV2	41350	58254	1.31%	0.135%
20	11.128	787	791	793	rBV2	27255	64974	1.47%	0.151%
21	11.231	797	800	802	rBV2	111226	127616	2.88%	0.296%
22	11.265	802	803	806	rVB	71141	59321	1.34%	0.138%
23	11.368	810	812	813	rBV	1184542	1062414	23.95%	2.463%
24	11.448	816	819	820	rVB	137914	169126	3.81%	0.392%
25	11.596	829	832	836	rBV3	262580	359251	8.10%	0.833%
26	11.665	836	838	840	rVV	69049	96211	2.17%	0.223%
27	11.871	854	856	857	rBV	127397	119006	2.68%	0.276%
28	11.905	857	859	861	rVV	127809	165810	3.74%	0.384%
29	11.951	861	863	864	rVV	55593	64167	1.45%	0.149%
30	11.985	864	866	870	rVB2	182222	291743	6.58%	0.676%
31	12.065	870	873	875	rBV	81297	101476	2.29%	0.235%
32	12.168	878	882	883	rVV	84626	100893	2.27%	0.234%
33	12.202	883	885	887	rVB	42442	58782	1.33%	0.136%
34	12.351	896	898	902	rBV2	54150	102295	2.31%	0.237%

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35	12.419	902	904	906	rBV	157173	187337	4.22%	0.434%
36	12.454	906	907	910	rVB2	98338	121925	2.75%	0.283%
37	12.511	910	912	916	rVB2	69717	82650	1.86%	0.192%
38	12.579	916	918	921	rBV	879046	998395	22.51%	2.314%
39	12.728	929	931	933	rBV2	38526	67365	1.52%	0.156%
40	12.774	933	935	936	rVV	252637	251810	5.68%	0.584%
41	12.808	936	938	941	rVV	759193	1082956	24.42%	2.510%
42	12.854	941	942	946	rVB3	61909	91862	2.07%	0.213%
43	12.957	948	951	954	rVB	2499159	2352062	53.03%	5.452%
44	13.037	955	958	960	rBV2	79907	138319	3.12%	0.321%
45	13.139	964	967	969	rVV	124497	187852	4.24%	0.435%
46	13.185	969	971	972	rVV	45114	58335	1.32%	0.135%
47	13.208	972	973	974	rVV	84333	63206	1.43%	0.147%
48	13.242	974	976	980	rVB2	105373	141234	3.18%	0.327%
49	13.334	983	984	986	rBV	50127	60066	1.35%	0.139%
50	13.368	986	987	989	rBV2	71147	62850	1.42%	0.146%
51	13.482	995	997	999	rVB	140085	123382	2.78%	0.286%
52	13.528	999	1001	1002	rBV	46410	72650	1.64%	0.168%
53	13.654	1010	1012	1014	rVB	92661	94941	2.14%	0.220%
54	13.757	1019	1021	1023	rBV	75867	137250	3.09%	0.318%
55	13.859	1028	1030	1032	rVB2	181725	277893	6.27%	0.644%
56	14.008	1040	1043	1048	rBV2	1046385	1943957	43.83%	4.506%
57	14.111	1050	1052	1054	rBV2	59439	108606	2.45%	0.252%
58	14.168	1055	1057	1060	rBV4	58207	111705	2.52%	0.259%
59	14.397	1075	1077	1079	rBV	108684	126351	2.85%	0.293%
60	14.477	1082	1084	1087	rBV3	72353	186520	4.21%	0.432%
61	15.037	1130	1133	1137	rBV	381417	704303	15.88%	1.633%
62	15.140	1140	1142	1144	rVB	71427	78481	1.77%	0.182%
63	15.322	1156	1158	1162	rVB	151335	239808	5.41%	0.556%
64	15.391	1162	1164	1166	rVB	303222	348578	7.86%	0.808%
65	15.448	1166	1169	1175	rBV2	525430	777734	17.54%	1.803%
66	16.865	1290	1293	1301	rVB	110477	275898	6.22%	0.640%
67	17.288	1327	1330	1336	rVB	89985	189253	4.27%	0.439%

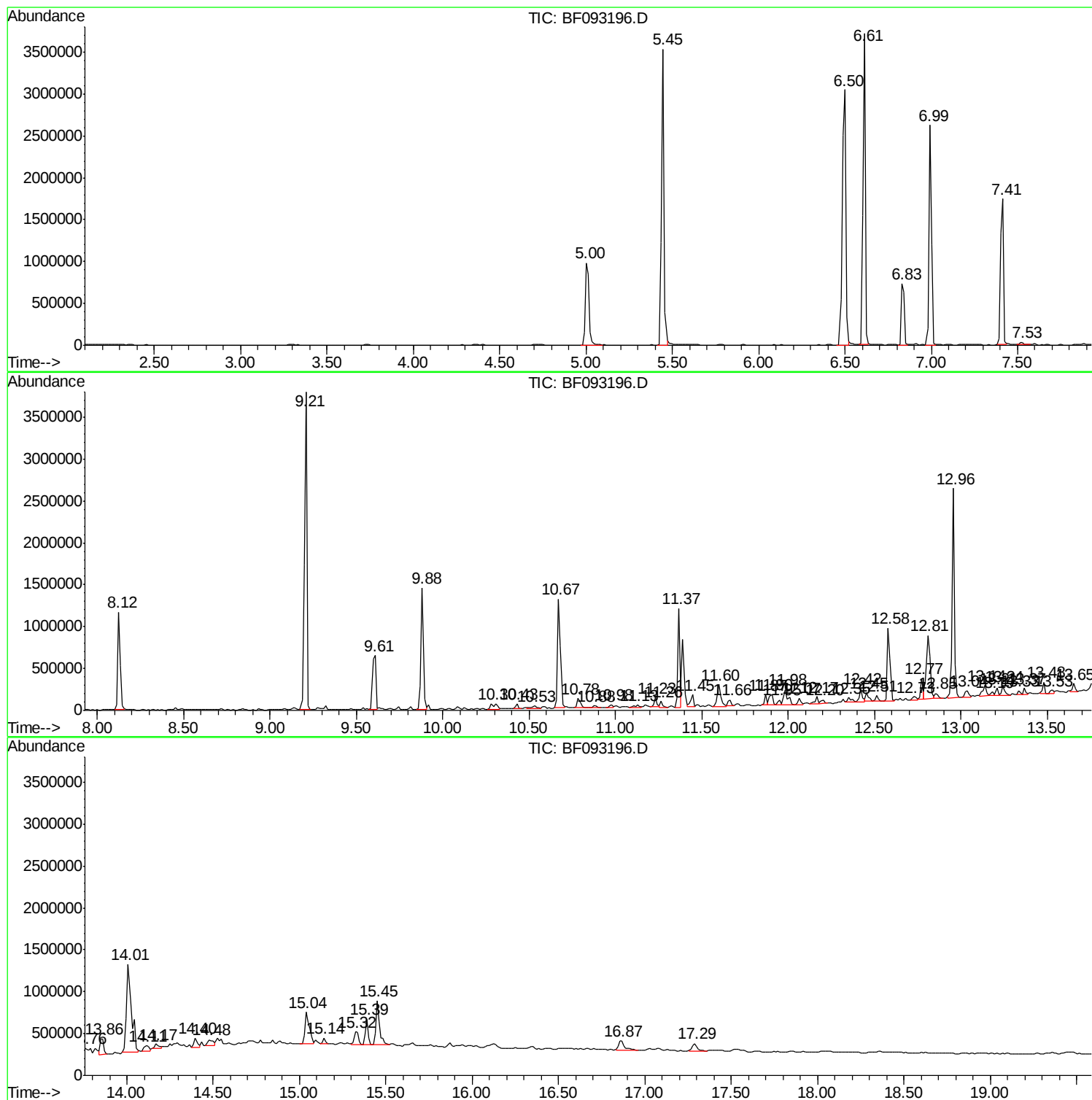
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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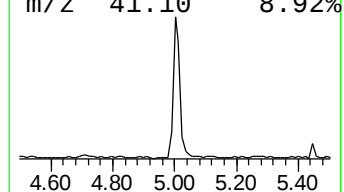
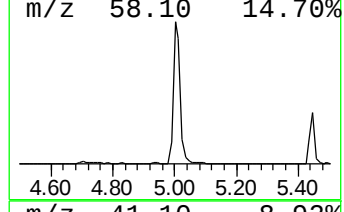
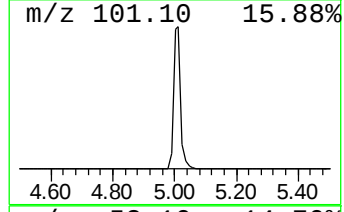
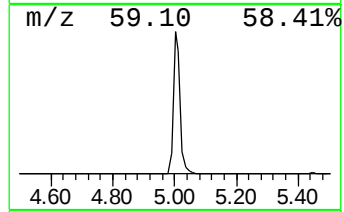
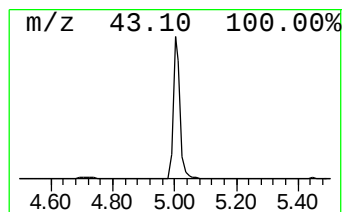
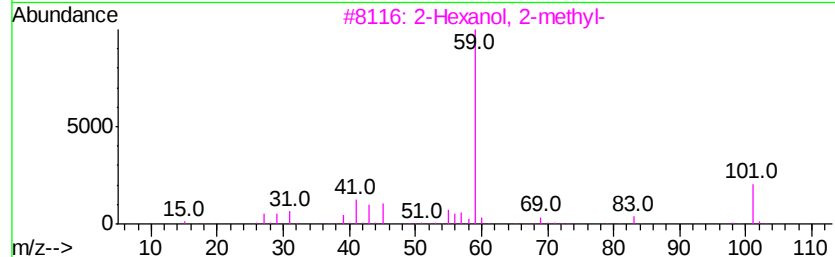
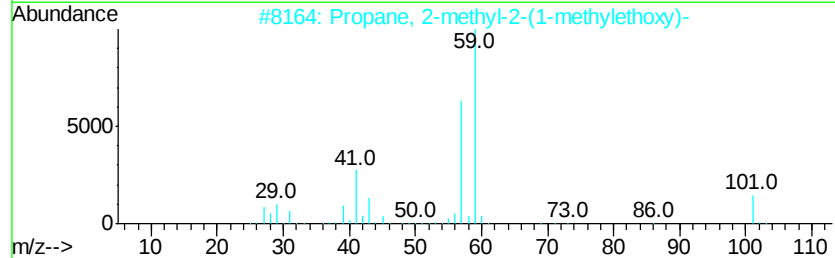
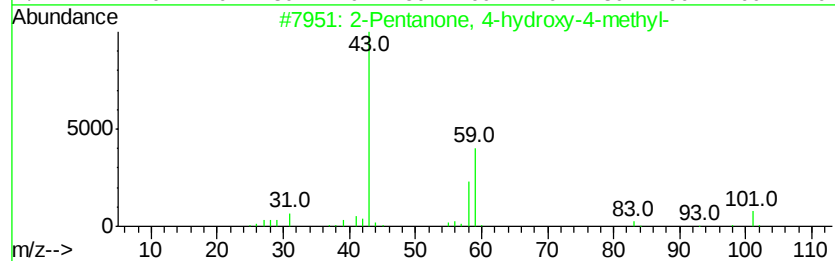
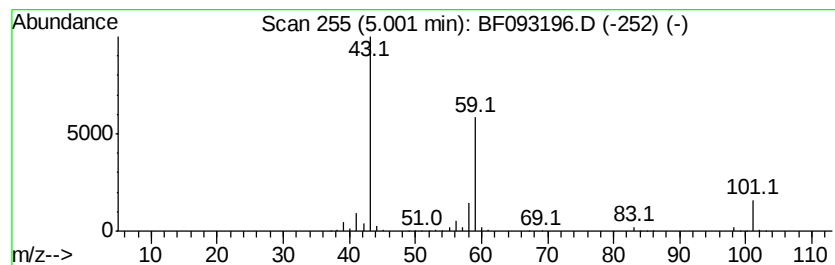
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	31.81 ng	1516460	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	42
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5		Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	23



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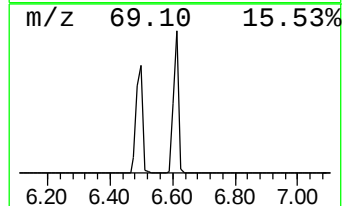
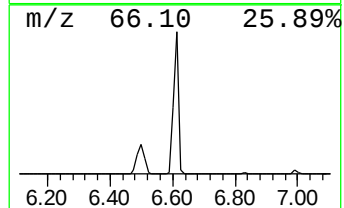
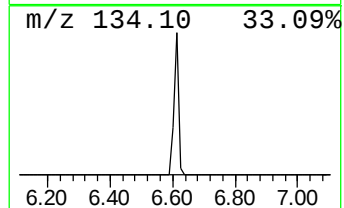
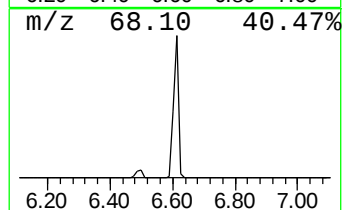
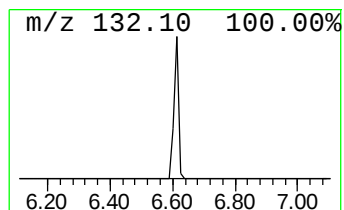
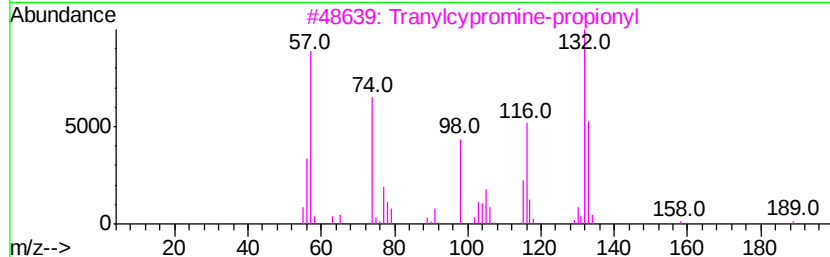
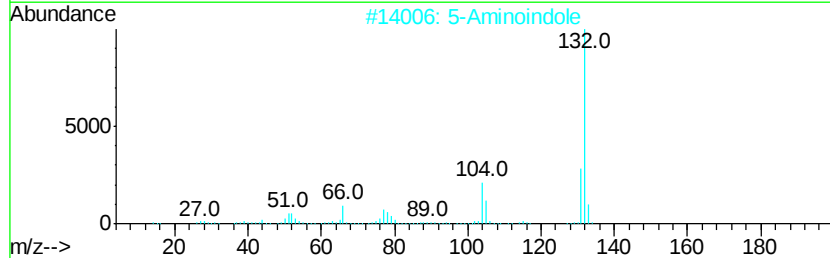
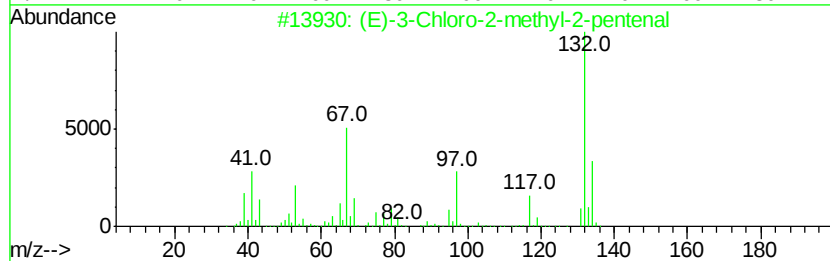
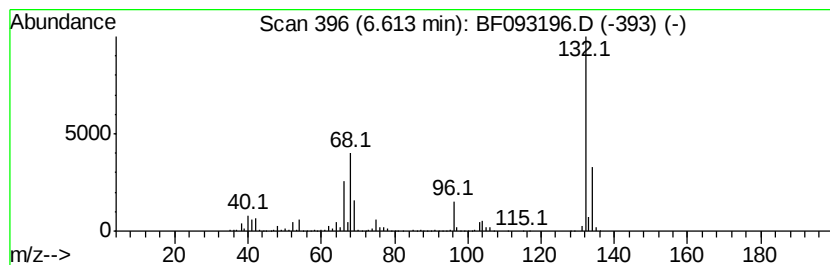
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	77.60 ng	3699130	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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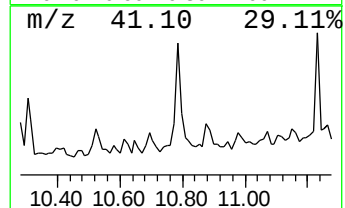
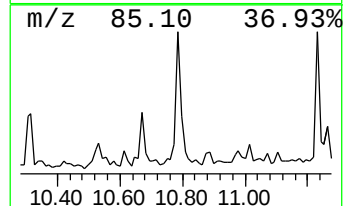
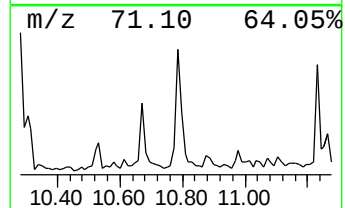
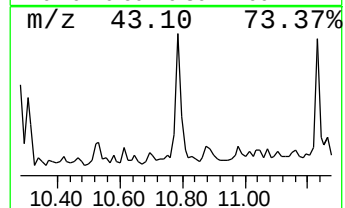
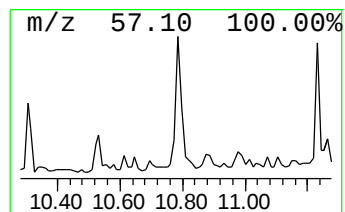
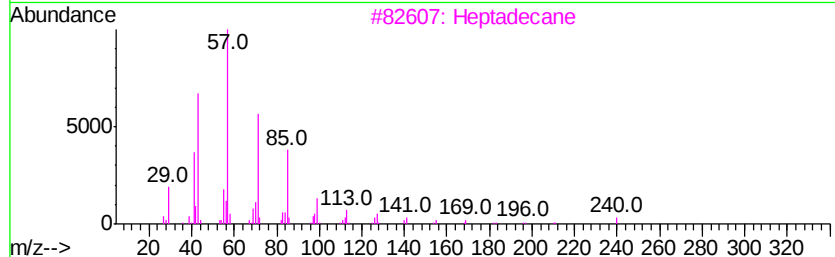
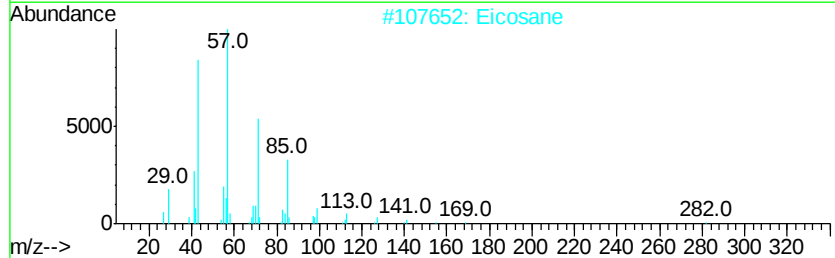
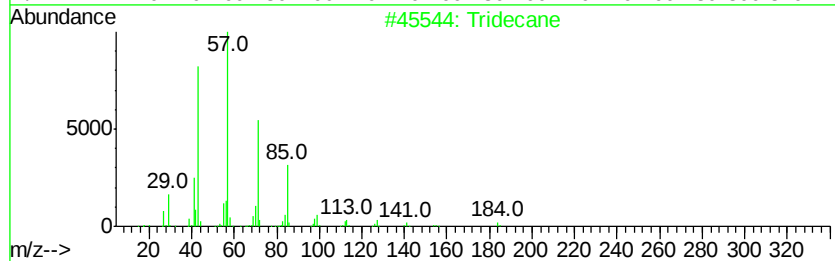
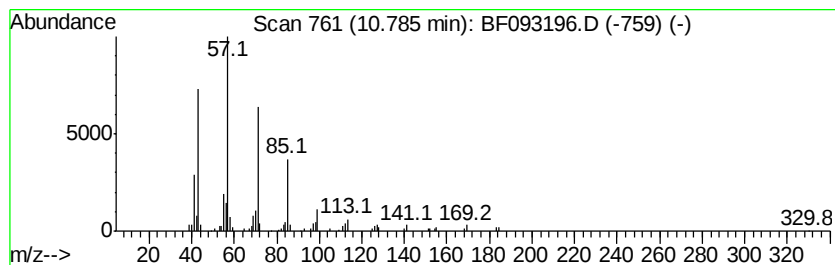
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.78	2.81 ng	149258	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Eicosane	282	C20H42	000112-95-8	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heptacosane	380	C27H56	000593-49-7	86



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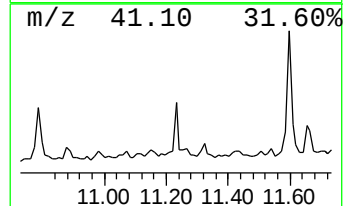
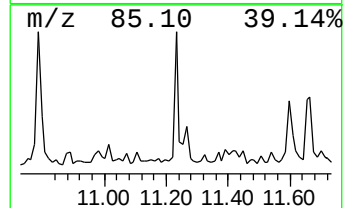
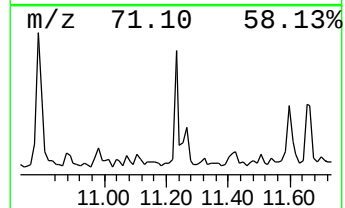
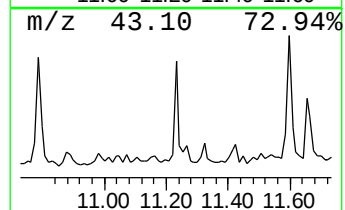
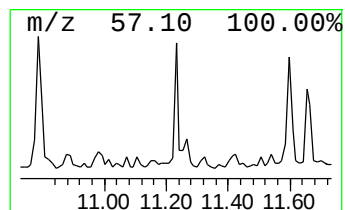
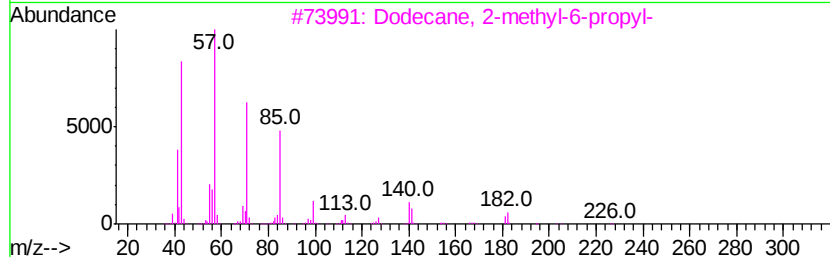
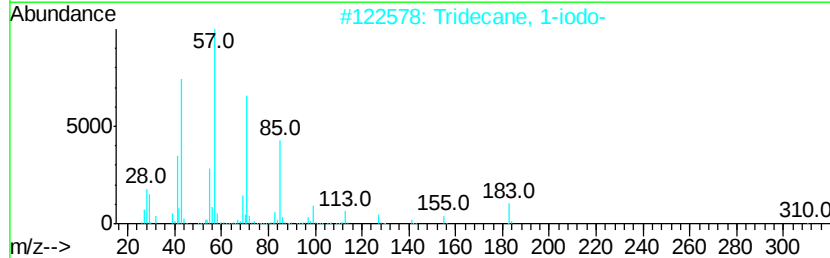
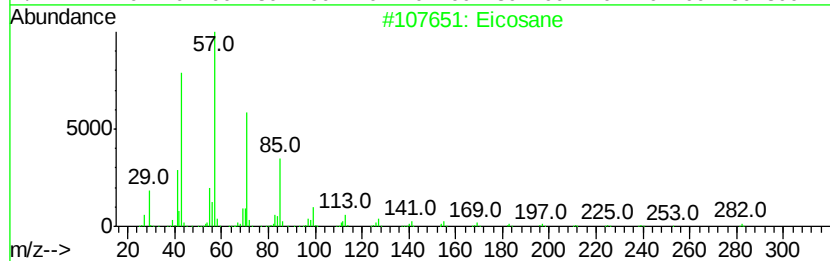
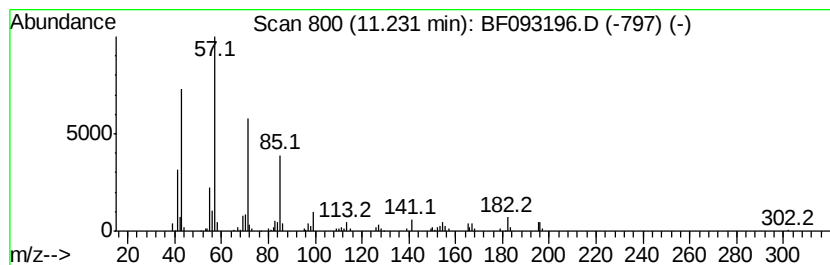
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.40 ng	127616	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	68
2	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	64
3	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	64
4	Heptacosane		380	C27H56	000593-49-7	52
5	Hexadecane		226	C16H34	000544-76-3	52



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E2-B1-B2-BASE-3

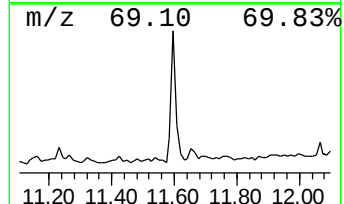
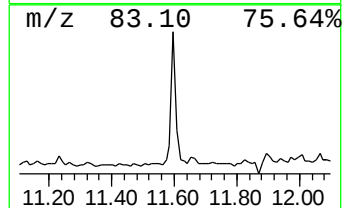
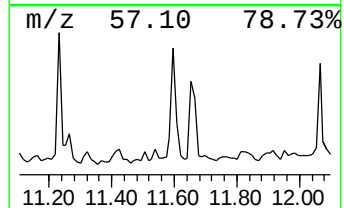
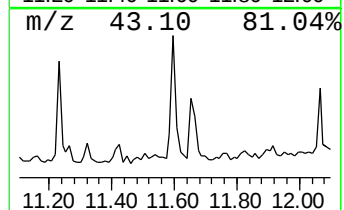
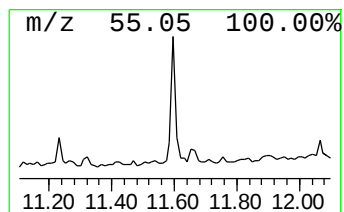
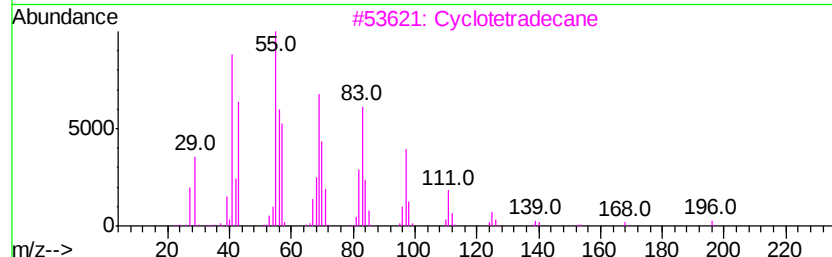
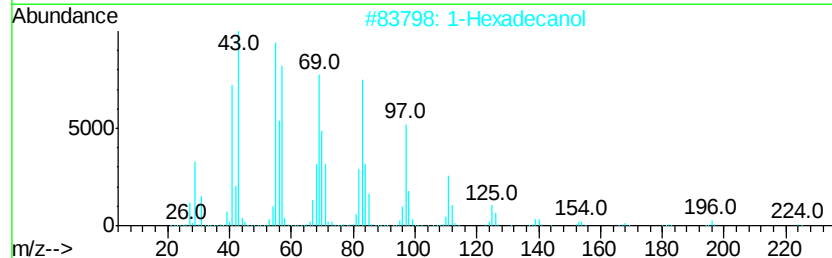
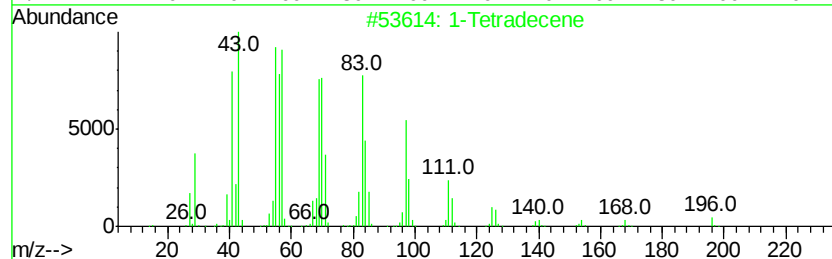
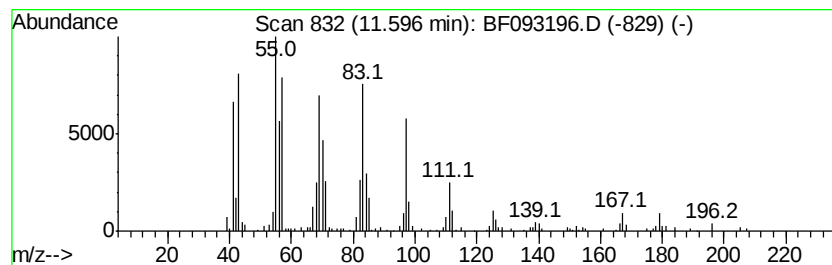
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Tetradecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	6.76 ng	359251	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Tetradecene	196	C14H28	001120-36-1	96
2		1-Hexadecanol	242	C16H34O	036653-82-4	93
3		Cyclotetradecane	196	C14H28	000295-17-0	93
4		Acetic acid, trifluoro-, tetrade...	310	C16H29F3O2	006222-02-2	90
5		9-Octadecene, (E)-	252	C18H36	007206-25-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093196.D
Acq On : 25 Feb 2017 16:50
Operator : SJ/MA
Sample : I1973-13
Misc :
ALS Vial : 49 Sample Multiplier: 1

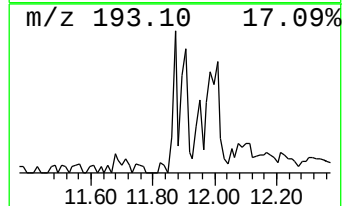
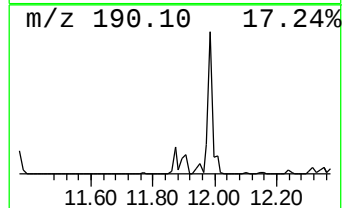
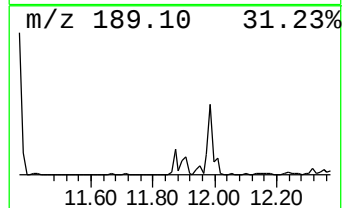
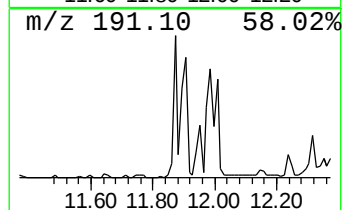
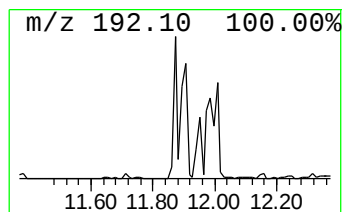
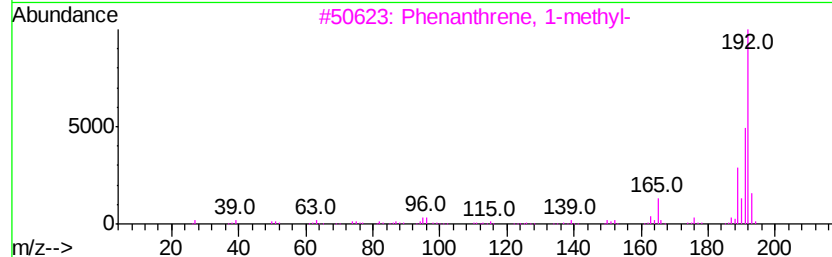
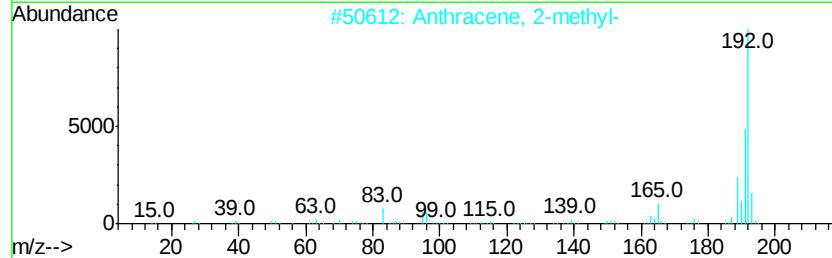
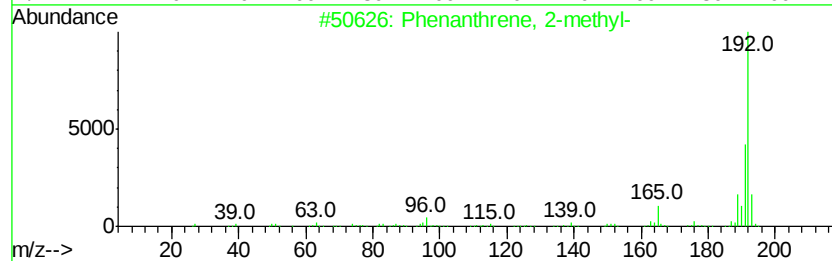
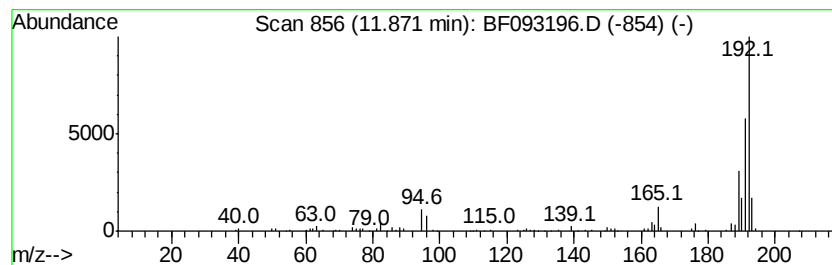
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.87	2.24 ng	119006	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093196.D
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ALS Vial : 49 Sample Multiplier: 1

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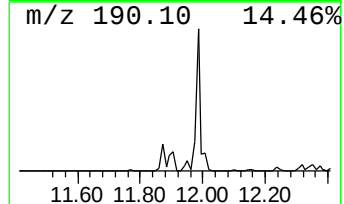
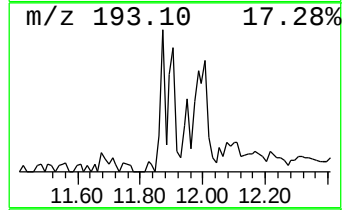
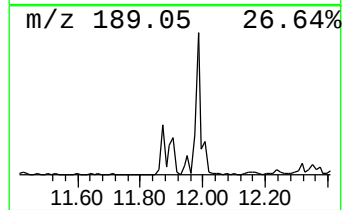
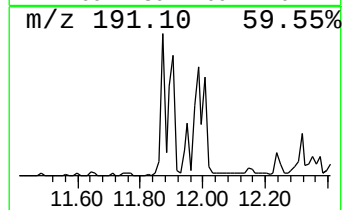
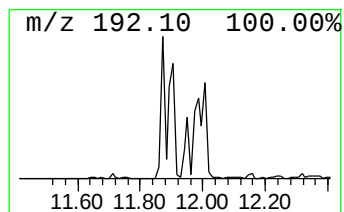
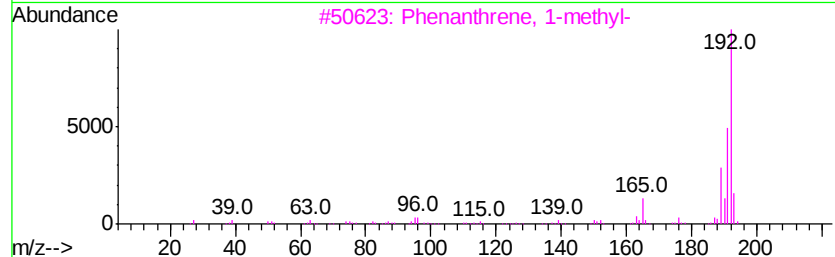
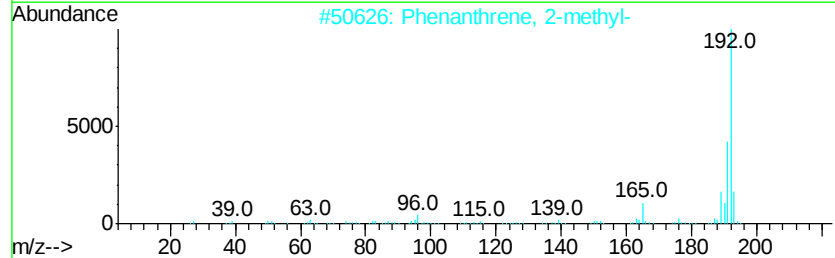
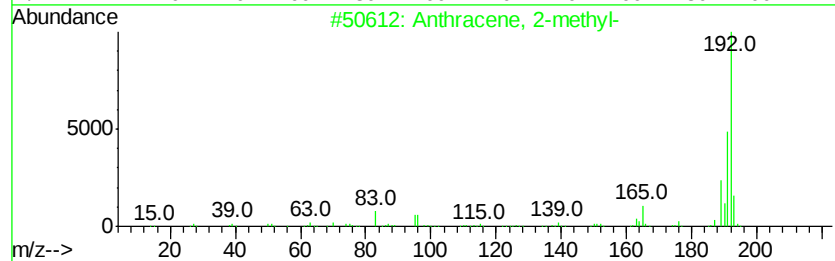
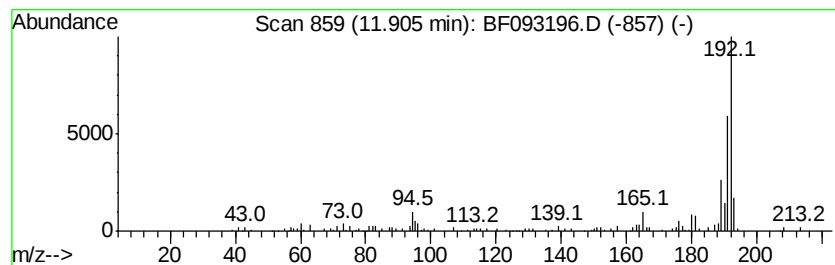
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.12 ng	165810	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093196.D
Acq On : 25 Feb 2017 16:50
Operator : SJ/MA
Sample : I1973-13
Misc :
ALS Vial : 49 Sample Multiplier: 1

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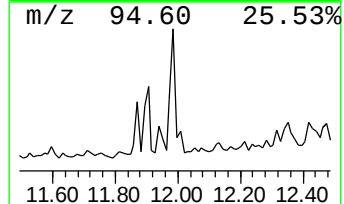
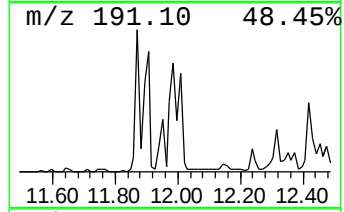
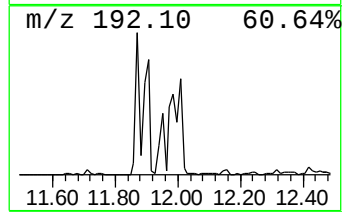
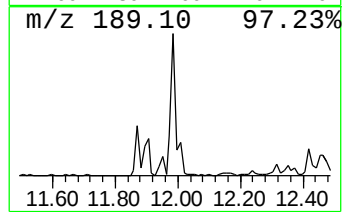
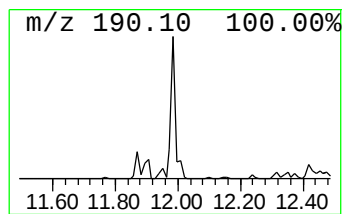
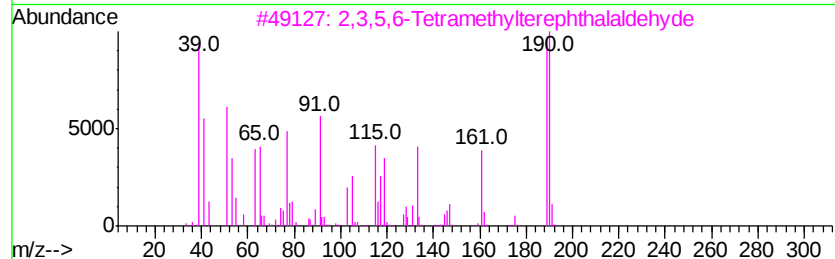
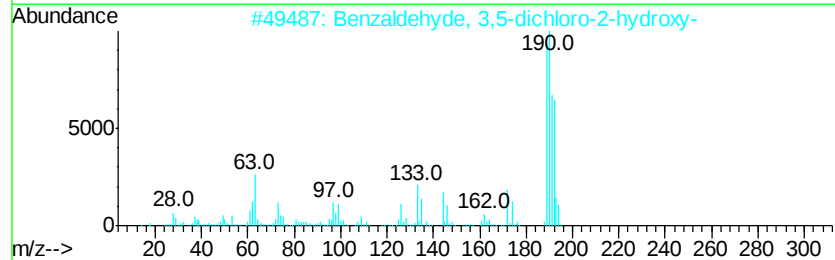
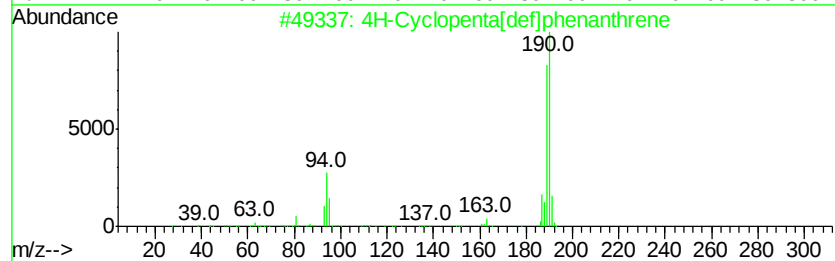
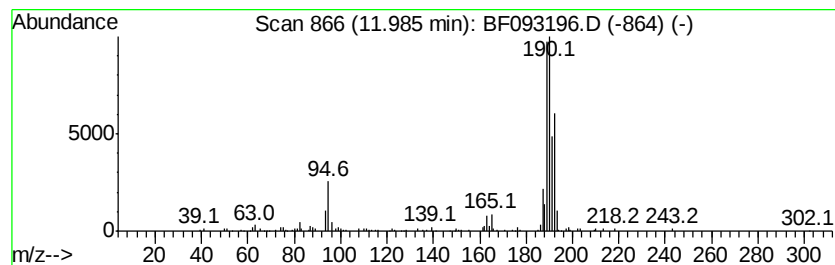
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	5.49 ng	291743	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	20



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\
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Sample : I1973-13
Misc :
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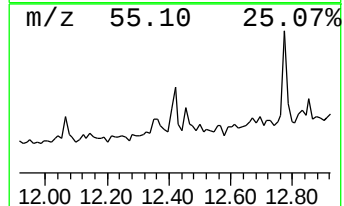
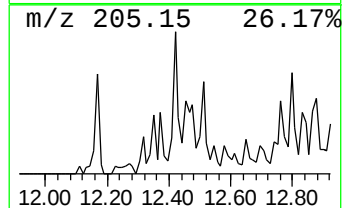
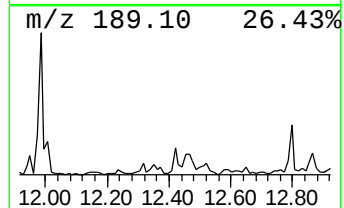
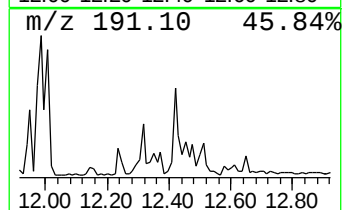
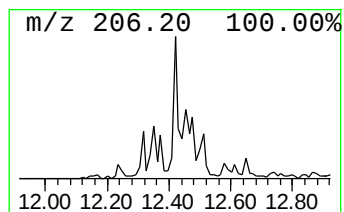
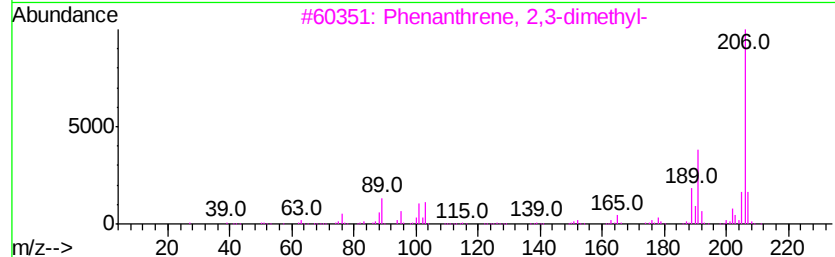
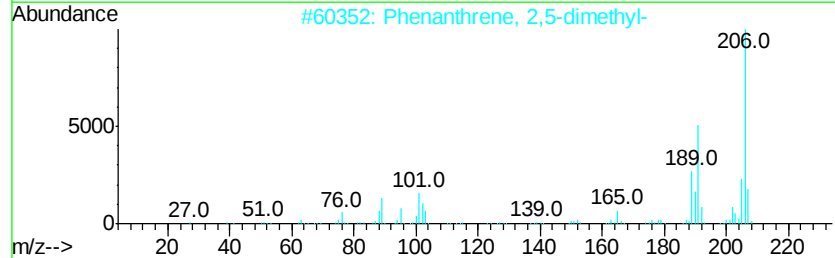
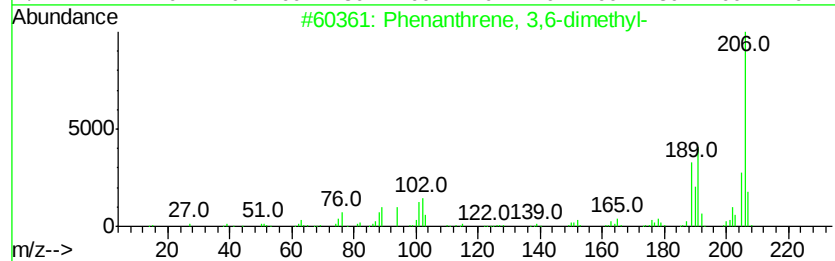
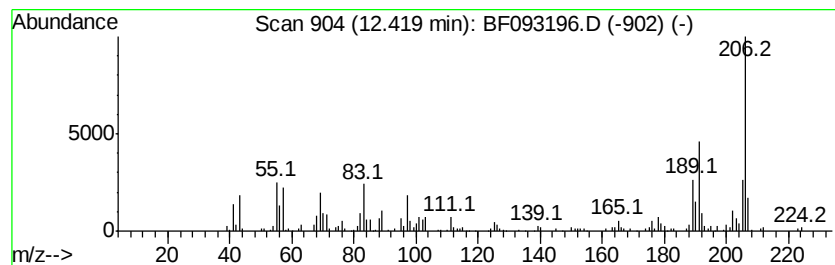
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.42	3.53 ng	187337	Phenanthrene-d10		11.37		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\
Data File : BF093196.D
Acq On : 25 Feb 2017 16:50
Operator : SJ/MA
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Misc :
ALS Vial : 49 Sample Multiplier: 1

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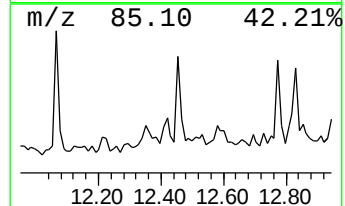
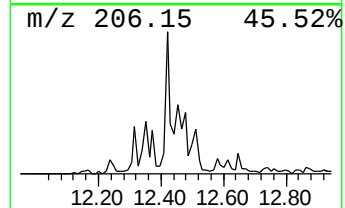
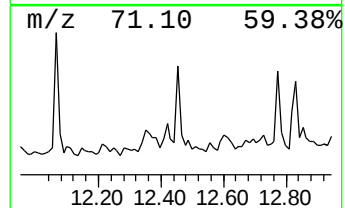
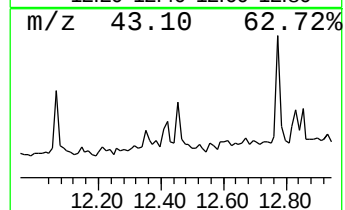
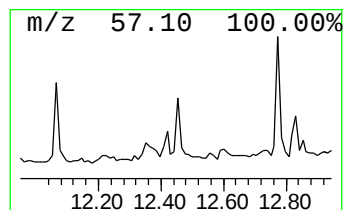
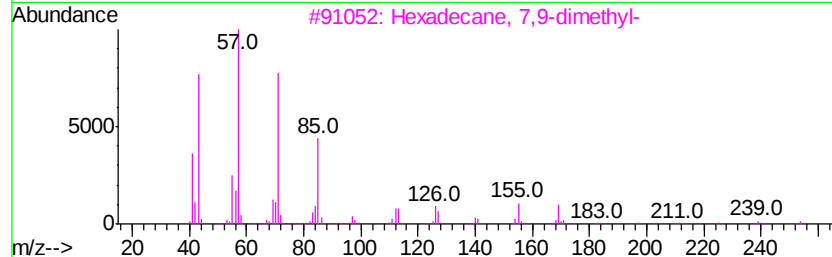
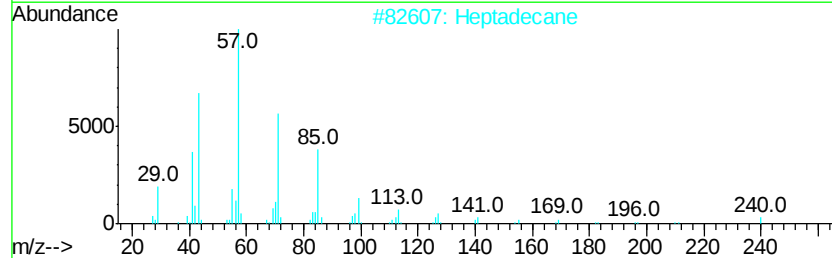
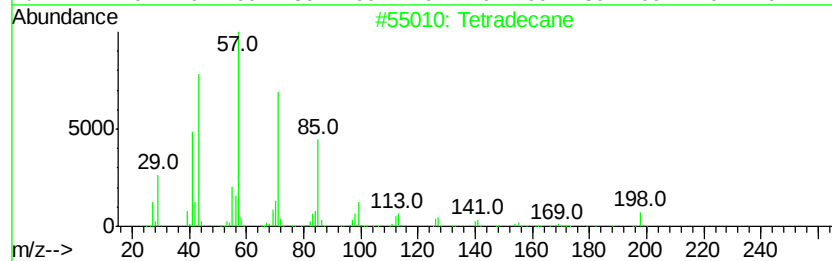
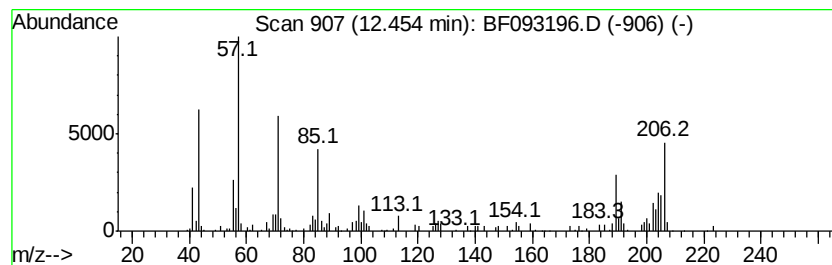
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.45 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.30 ng	121925	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	42
2		Heptadecane	240	C17H36	000629-78-7	38
3		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	30
4		Eicosane	282	C20H42	000112-95-8	30
5		Hexadecane	226	C16H34	000544-76-3	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\
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ALS Vial : 49 Sample Multiplier: 1

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ClientSampleId :
E2-B1-B2-BASE-3

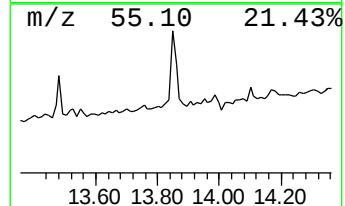
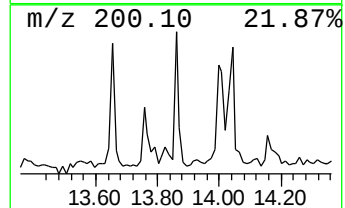
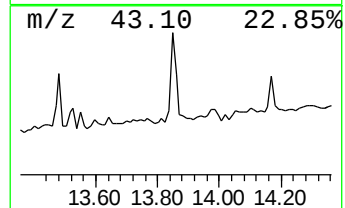
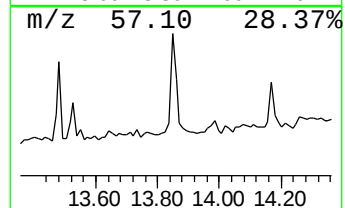
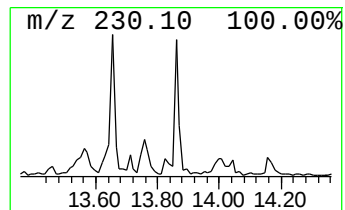
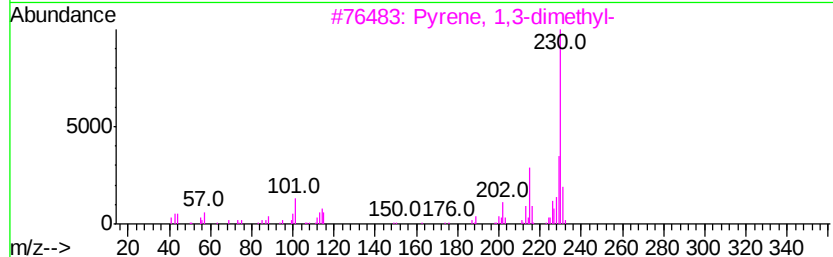
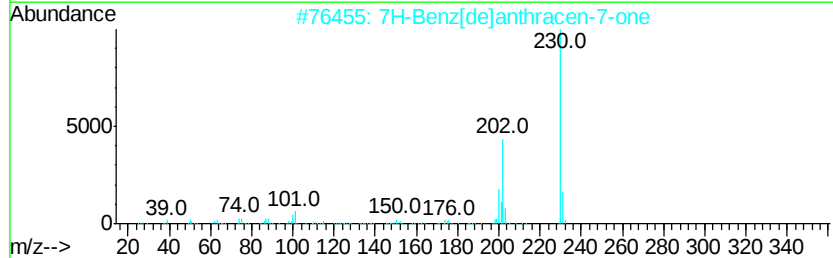
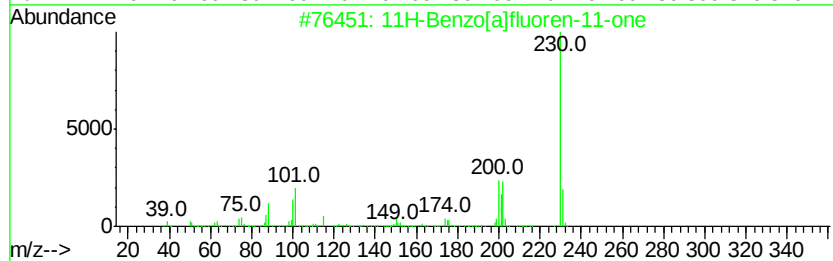
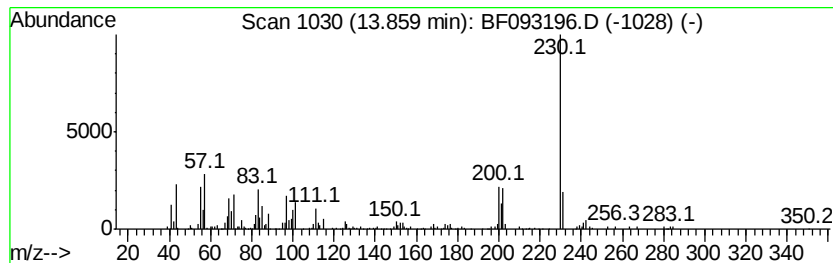
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.86 ng	277893	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3		Pvrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
4		4-Chloro-indeno[1,2-b]pyridin-5-...	230	C12H7ClN2O	1000294-18-6	38
5		p-Terphenyl	230	C18H14	000092-94-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\
Data File : BF093196.D
Acq On : 25 Feb 2017 16:50
Operator : SJ/MA
Sample : I1973-13
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

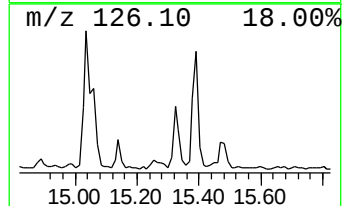
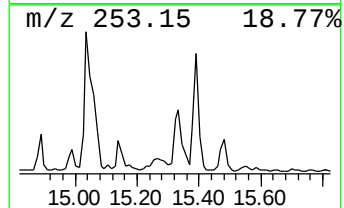
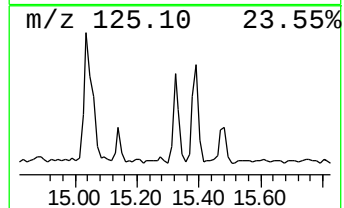
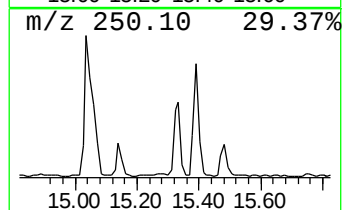
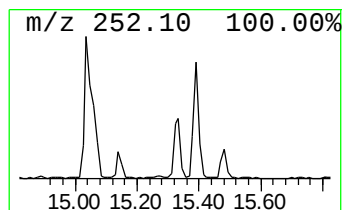
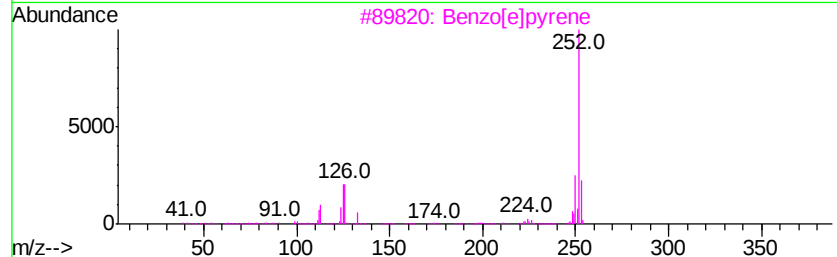
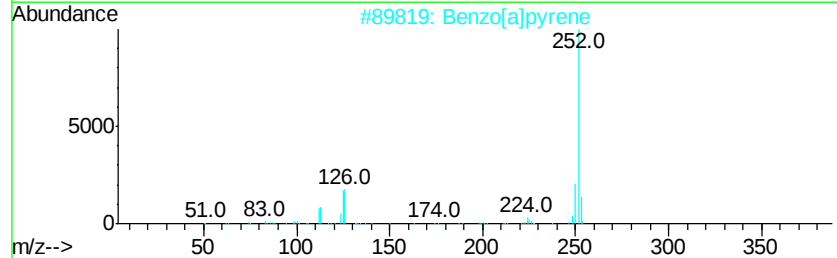
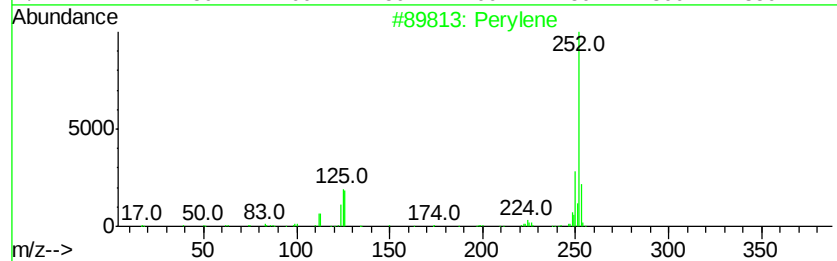
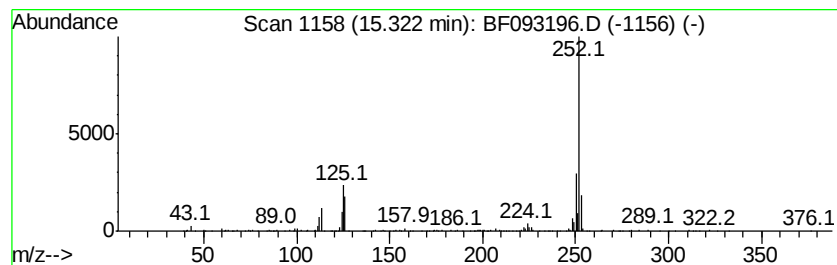
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	6.17 ng	239808	Perylene-d12	15.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	93
2		Benzo[a]pyrene	252	C20H12	000050-32-8	93
3		Benzo[e]pyrene	252	C20H12	000192-97-2	93
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022417\
Data File : BF093196.D
Acq On : 25 Feb 2017 16:50
Operator : SJ/MA
Sample : I1973-13
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-3

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...	5.00	31.8	ng	1516460	1	6.84	953393	20.0
unknown6.61	6.61	77.6	ng	3699130	1	6.84	953393	20.0
Tridecane	10.78	2.8	ng	149258	4	11.37	1062410	20.0
Eicosane	11.23	2.4	ng	127616	4	11.37	1062410	20.0
1-Tetradecene	11.60	6.8	ng	359251	4	11.37	1062410	20.0
Phenanthrene, 2-m...	11.87	2.2	ng	119006	4	11.37	1062410	20.0
Anthracene, 2-met...	11.91	3.1	ng	165810	4	11.37	1062410	20.0
4H-Cyclopenta[def...	11.99	5.5	ng	291743	4	11.37	1062410	20.0
Phenanthrene, 3,6...	12.42	3.5	ng	187337	4	11.37	1062410	20.0
unknown12.45	12.45	2.3	ng	121925	4	11.37	1062410	20.0
11H-Benzo[a]fluor...	13.86	2.9	ng	277893	5	14.01	1943960	20.0
Perylene	15.32	6.2	ng	239808	6	15.45	777734	20.0