

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096047.D
 Acq On : 20 Jun 2017 16:26
 Operator : SJ/MA
 Sample : I3693-04 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

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-BF060517.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	1.552	9	11	49	rVB	1025947	2003952	100.00%	12.604%
2	4.451	501	504	520	rBV	26181	70468	3.52%	0.443%
3	5.187	626	629	658	rBV	245695	683110	34.09%	4.297%
4	6.875	912	916	926	rBV	275781	627397	31.31%	3.946%
5	6.951	926	929	952	rVB	488312	950126	47.41%	5.976%
6	7.286	982	986	1000	rBV	286152	401662	20.04%	2.526%
7	7.528	1022	1027	1043	rBV	433423	623400	31.11%	3.921%
8	8.210	1139	1143	1162	rBV	261452	451150	22.51%	2.838%
9	9.322	1328	1332	1345	rBV	416335	564799	28.18%	3.552%
10	10.645	1552	1557	1562	rBV	21824	31070	1.55%	0.195%
11	11.098	1629	1634	1647	rVB	701564	893384	44.58%	5.619%
12	11.627	1720	1724	1728	rBV2	26435	39059	1.95%	0.246%
13	11.798	1748	1753	1761	rBV	102719	154019	7.69%	0.969%
14	11.921	1770	1774	1783	rBV2	20816	38735	1.93%	0.244%
15	12.145	1807	1812	1817	rBV2	420252	543983	27.15%	3.421%
16	12.192	1817	1820	1829	rVB2	70289	98176	4.90%	0.617%
17	12.492	1868	1871	1880	rBV2	38945	62635	3.13%	0.394%
18	13.004	1950	1958	1961	rBV2	31381	44943	2.24%	0.283%
19	13.039	1961	1964	1975	rVB2	78152	105081	5.24%	0.661%
20	13.315	2006	2011	2014	rBV	15487	21880	1.09%	0.138%
21	13.445	2029	2033	2049	rBV	220338	352435	17.59%	2.217%
22	13.774	2085	2089	2097	rBV2	32063	66986	3.34%	0.421%
23	13.945	2108	2118	2120	rBV4	15586	28123	1.40%	0.177%
24	14.368	2188	2190	2196	rVB	22305	30648	1.53%	0.193%
25	14.504	2208	2213	2215	rBV3	29137	41547	2.07%	0.261%
26	14.533	2215	2218	2222	rVV2	356045	463763	23.14%	2.917%
27	14.574	2222	2225	2234	rVB	330717	420081	20.96%	2.642%
28	14.662	2236	2240	2250	rVB	117851	167474	8.36%	1.053%
29	14.768	2254	2258	2262	rBV2	14653	23814	1.19%	0.150%
30	15.080	2307	2311	2318	rVB3	19187	25707	1.28%	0.162%
31	15.186	2326	2329	2333	rBV	23382	27554	1.37%	0.173%
32	15.345	2352	2356	2360	rBV2	60646	75763	3.78%	0.477%
33	15.392	2360	2364	2372	rVV	57479	69278	3.46%	0.436%
34	15.468	2372	2377	2379	rVV	30742	38753	1.93%	0.244%

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 Sampling : 1
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	15.498	2379	2382	2386	rVV2	75252	112325	5.61%	0.706%
36	15.545	2387	2390	2402	rVB4	34264	71847	3.59%	0.452%
37	15.798	2429	2433	2438	rBV2	50999	65263	3.26%	0.410%
38	16.162	2488	2495	2498	rBV	47488	60835	3.04%	0.383%
39	16.203	2498	2502	2506	rVB4	26748	33991	1.70%	0.214%
40	16.286	2511	2516	2519	rBV4	24526	39021	1.95%	0.245%
41	16.362	2523	2529	2535	rBV	450202	574506	28.67%	3.613%
42	16.468	2543	2547	2551	rBV7	16484	31251	1.56%	0.197%
43	16.562	2560	2563	2568	rBV2	21148	28271	1.41%	0.178%
44	16.668	2575	2581	2587	rVV	479524	594510	29.67%	3.739%
45	16.862	2610	2614	2619	rBV2	30539	47618	2.38%	0.300%
46	16.915	2619	2623	2631	rVB	544600	629692	31.42%	3.961%
47	16.998	2631	2637	2644	rBV3	34027	69415	3.46%	0.437%
48	17.115	2651	2657	2658	rBV4	36864	58644	2.93%	0.369%
49	17.139	2658	2661	2667	rVB	92843	116526	5.81%	0.733%
50	17.227	2667	2676	2680	rBV	89610	122690	6.12%	0.772%
51	17.274	2680	2684	2690	rBV2	62722	104883	5.23%	0.660%
52	17.327	2690	2693	2697	rVB4	26420	35875	1.79%	0.226%
53	17.386	2699	2703	2707	rBV	40614	46319	2.31%	0.291%
54	17.427	2707	2710	2716	rBV	26256	32507	1.62%	0.204%
55	17.715	2756	2759	2763	rVB4	20308	29560	1.48%	0.186%
56	17.780	2766	2770	2776	rBV5	28843	54800	2.73%	0.345%
57	17.945	2795	2798	2801	rBV	43784	50240	2.51%	0.316%
58	17.974	2801	2803	2806	rVB	34277	34081	1.70%	0.214%
59	18.009	2806	2809	2812	rBV	31382	33431	1.67%	0.210%
60	18.045	2813	2815	2820	rVB	23240	30587	1.53%	0.192%
61	18.115	2825	2827	2832	rVB2	22743	27191	1.36%	0.171%
62	18.197	2834	2841	2846	rBV6	37585	74041	3.69%	0.466%
63	18.262	2847	2852	2856	rBV2	504477	789697	39.41%	4.967%
64	18.303	2856	2859	2865	rVB	196415	273328	13.64%	1.719%
65	18.392	2871	2874	2878	rVB2	60902	71159	3.55%	0.448%
66	18.550	2899	2901	2906	rVB5	24916	34964	1.74%	0.220%
67	18.597	2906	2909	2913	rVB4	47384	57808	2.88%	0.364%
68	18.780	2937	2940	2944	rBV	50723	59024	2.95%	0.371%
69	18.815	2944	2946	2950	rVB2	43443	46660	2.33%	0.293%
70	19.539	3065	3069	3072	rBV	272215	370099	18.47%	2.328%
71	19.656	3086	3089	3092	rBV	50933	57433	2.87%	0.361%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	19.827	3115	3118	3123	rBV	143065	159384	7.95%	1.002%
73	19.886	3125	3128	3132	rBV	204015	227253	11.34%	1.429%
74	19.944	3134	3138	3141	rBV	254194	301477	15.04%	1.896%

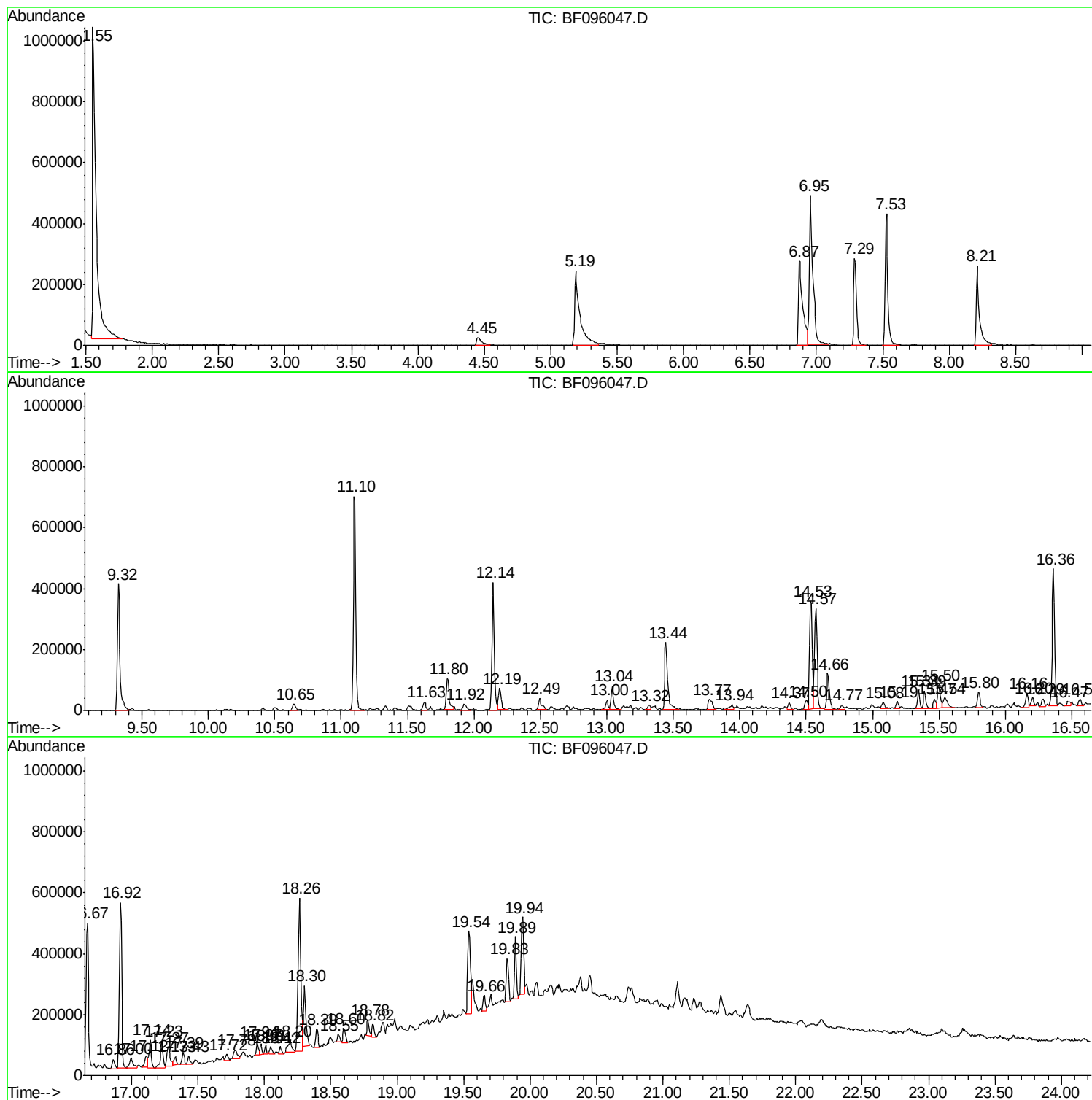
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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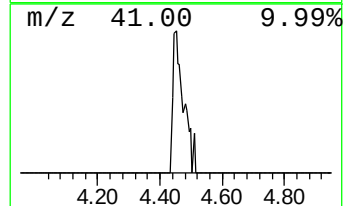
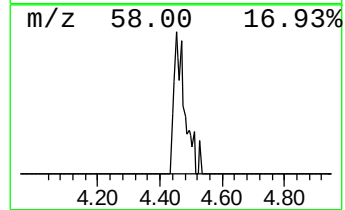
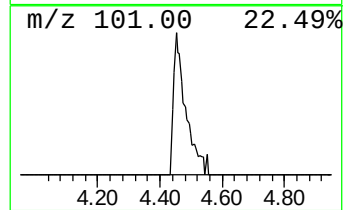
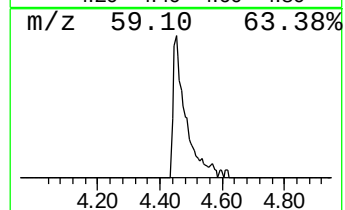
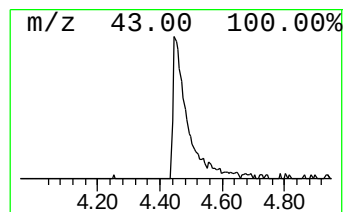
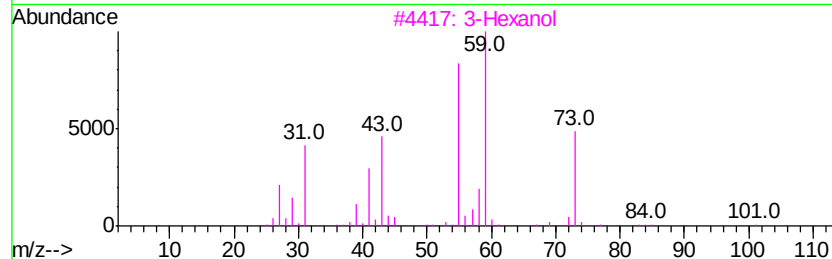
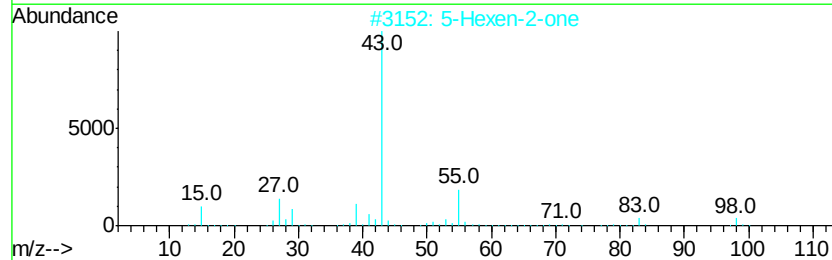
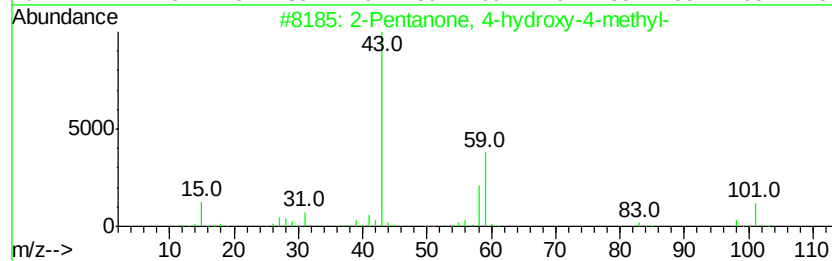
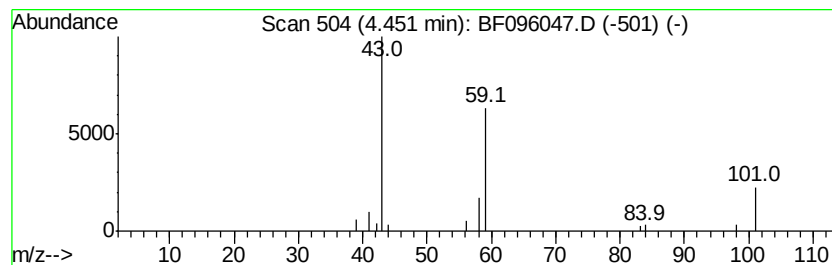
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	3.51 ng	70468	1,4-Dichlorobenzene-d4	7.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2			5-Hexen-2-one	98	C6H10O	000109-49-9	9
3			3-Hexanol	102	C6H14O	000623-37-0	9
4			3-Octanol	130	C8H18O	000589-98-0	9
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9



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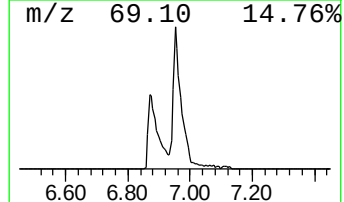
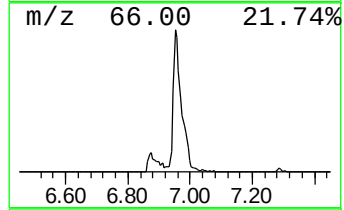
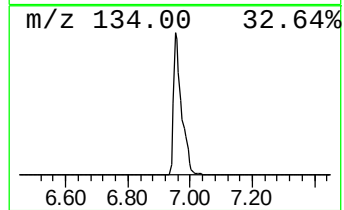
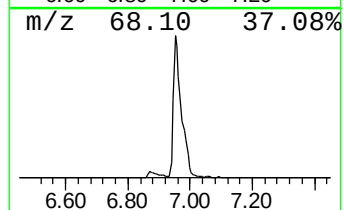
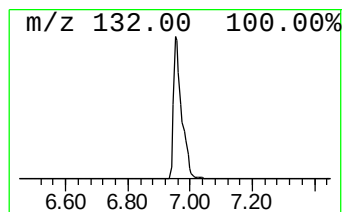
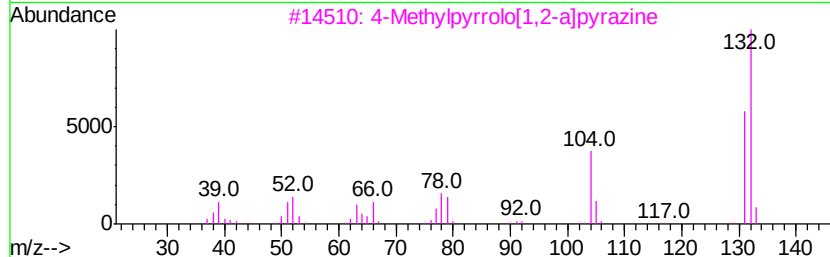
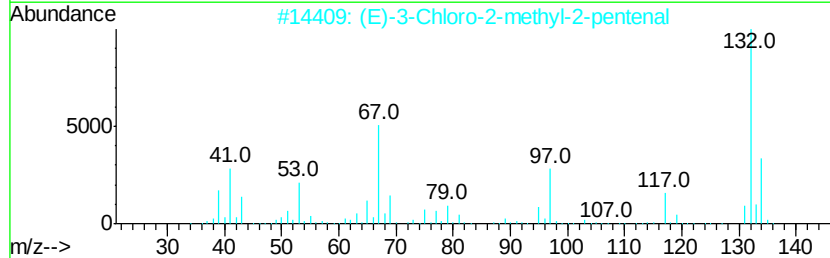
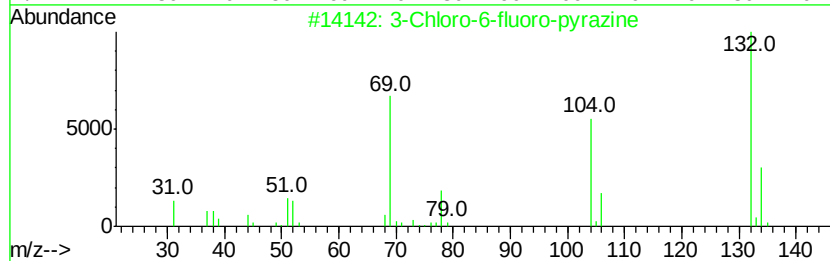
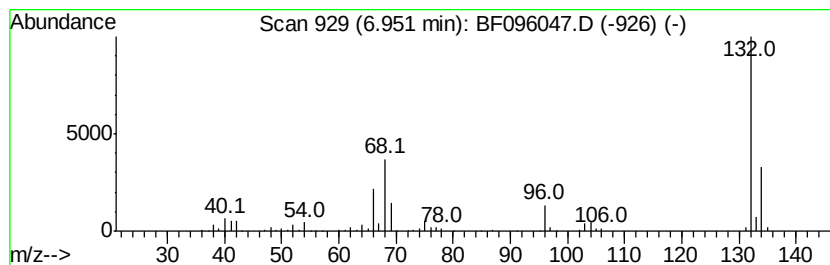
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.95 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	47.31 ng	950126	1,4-Dichlorobenzene-d4	7.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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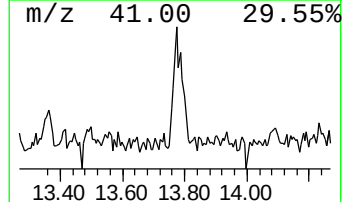
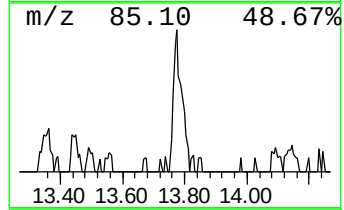
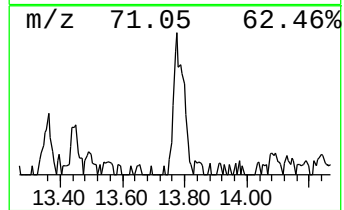
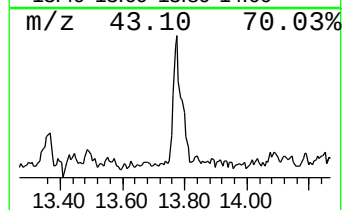
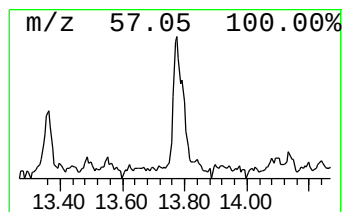
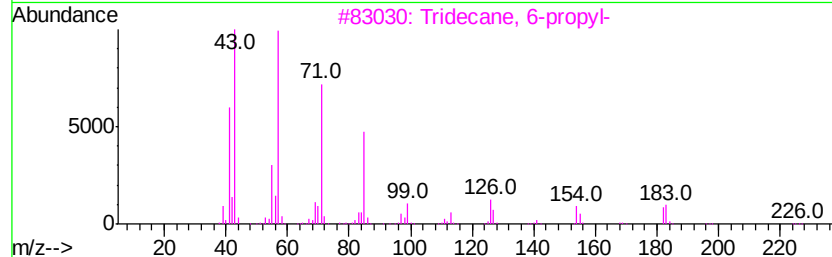
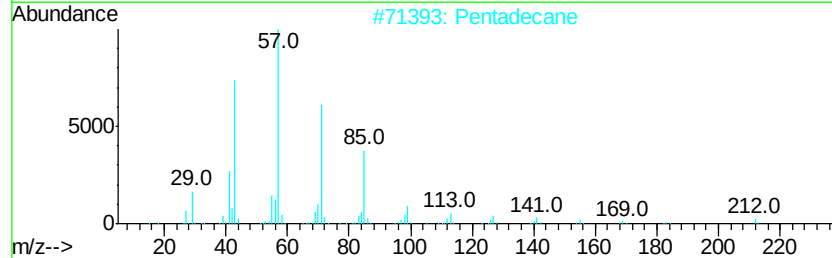
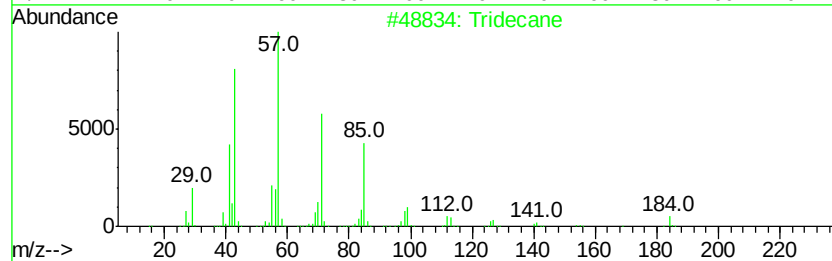
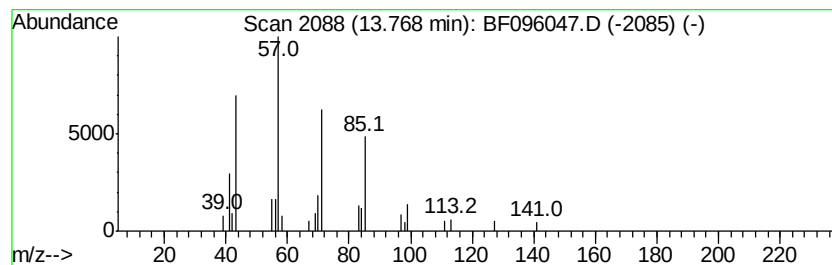
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 5 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.89 ng	66986	Phenanthrene-d10	14.53

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	87
2	Pentadecane		212	C15H32	000629-62-9	80
3	Tridecane, 6-propyl-		226	C16H34	055045-10-8	72
4	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	72
5	Octacosane		394	C28H58	000630-02-4	64



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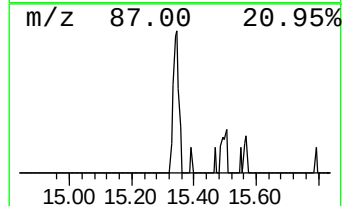
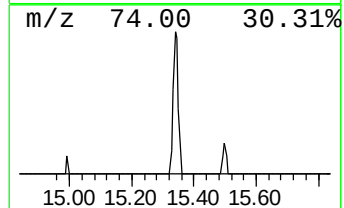
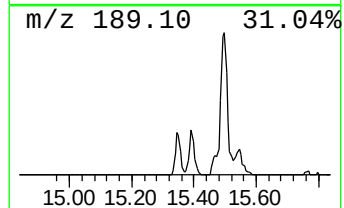
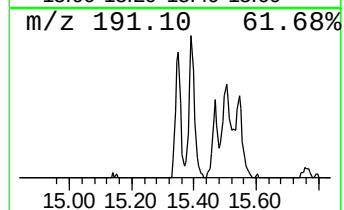
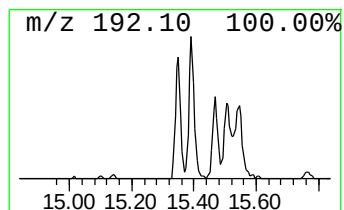
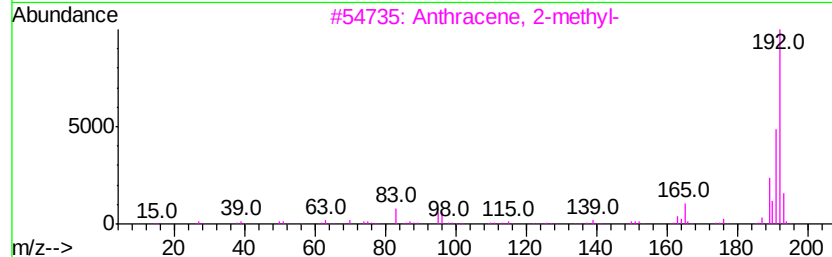
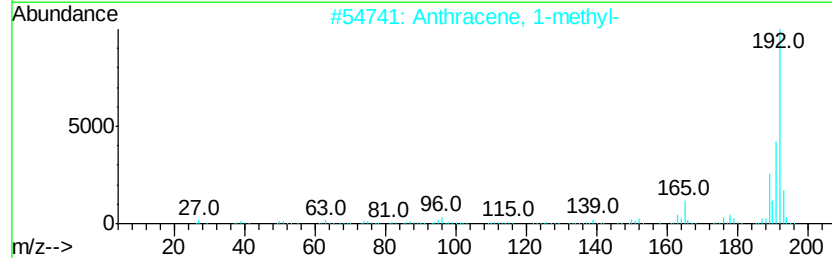
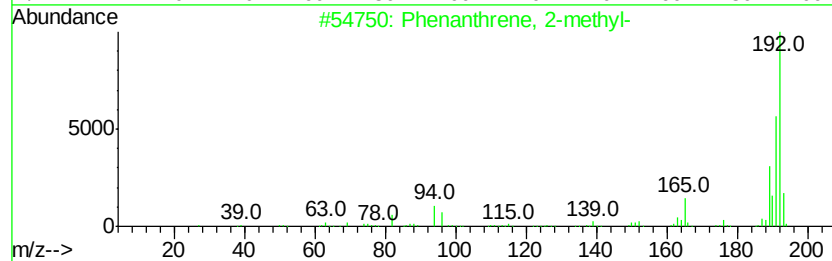
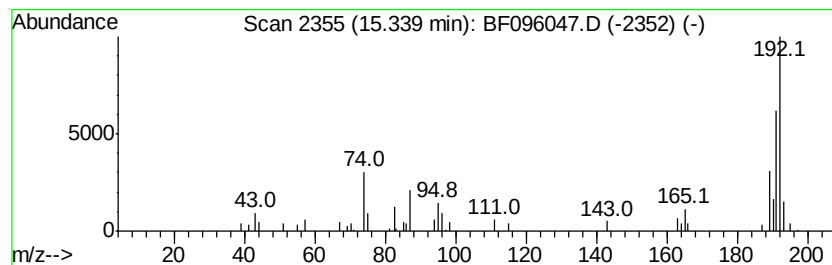
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ClientSampleId :
PL-01-061417-B

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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 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.34	3.27 ng	75763	Phenanthrene-d10		14.53
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096047.D
Acq On : 20 Jun 2017 16:26
Operator : SJ/MA
Sample : I3693-04 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-B

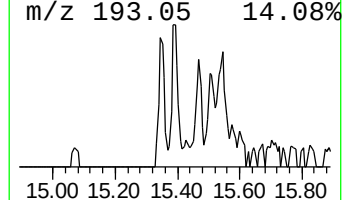
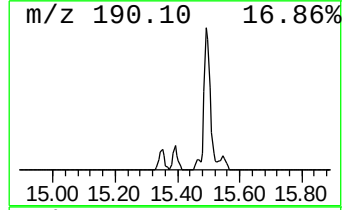
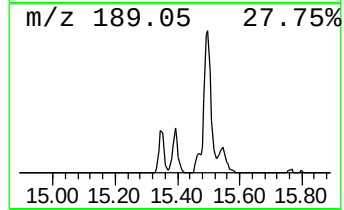
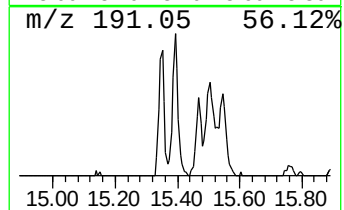
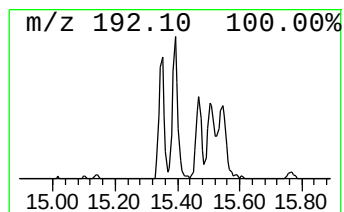
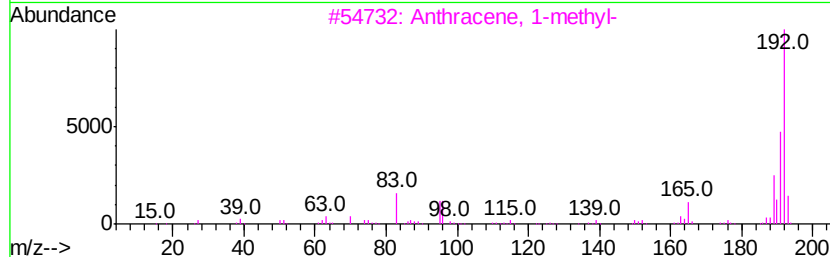
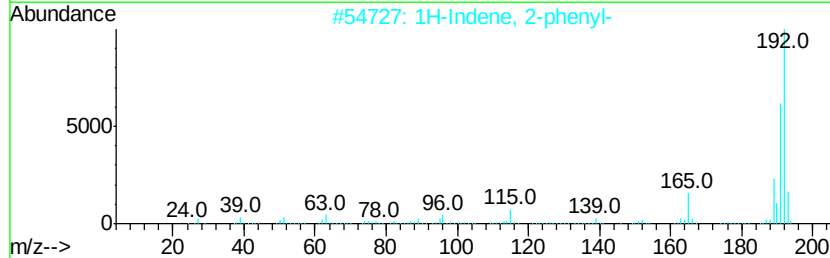
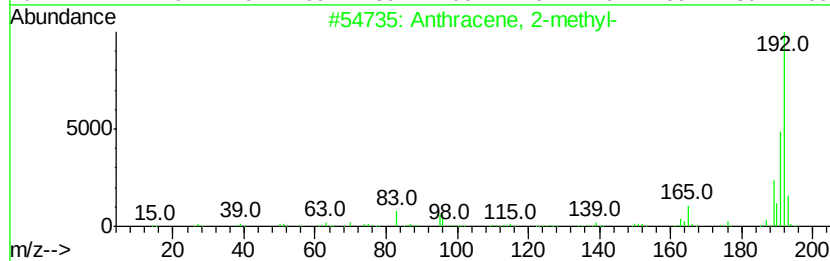
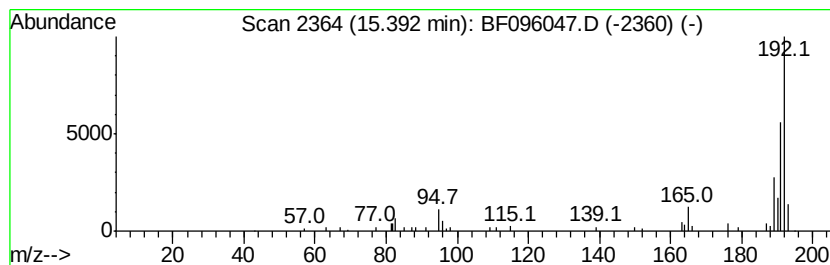
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	2.99 ng	69278	Phenanthrene-d10	14.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
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Sample : I3693-04 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

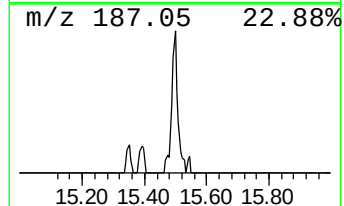
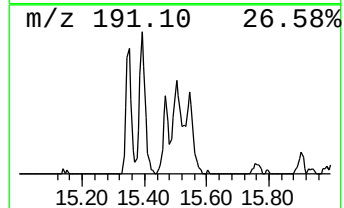
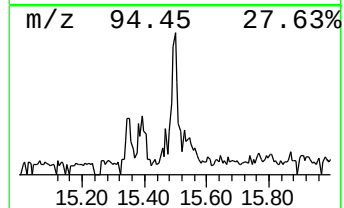
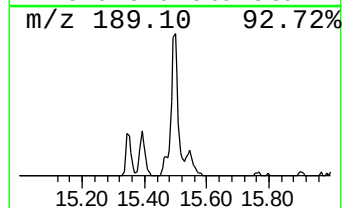
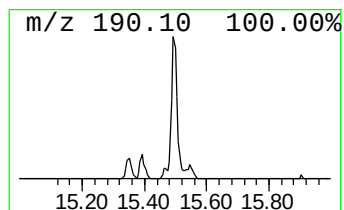
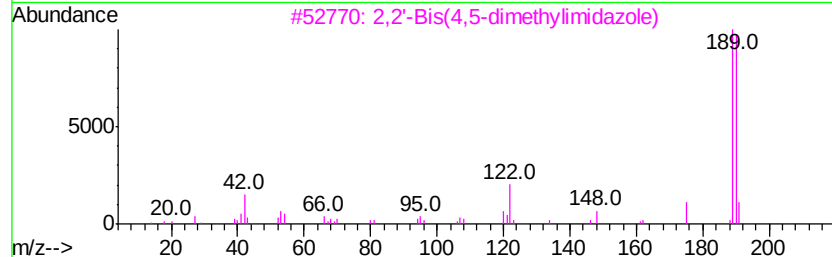
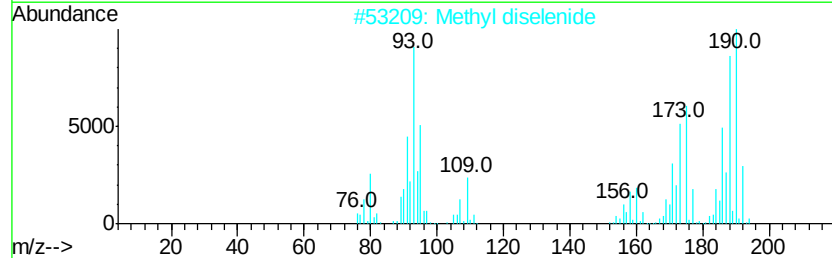
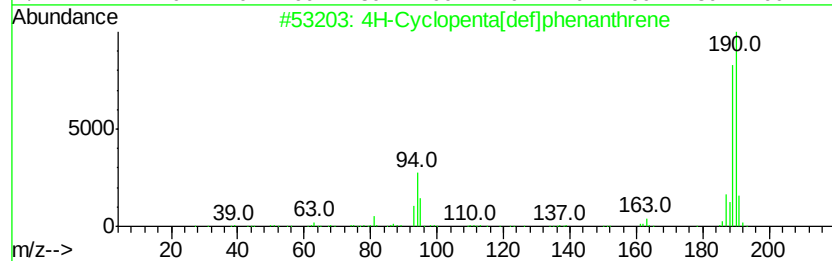
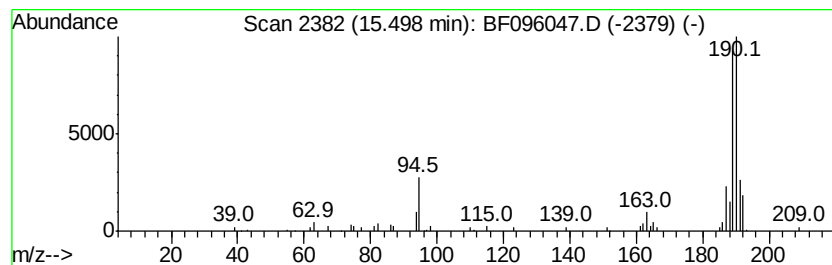
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.50	4.84 ng	112325	Phenanthrene-d10	14.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	36



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096047.D
Acq On : 20 Jun 2017 16:26
Operator : SJ/MA
Sample : I3693-04 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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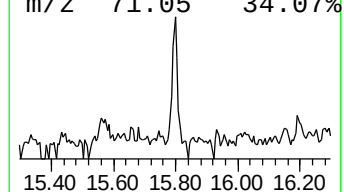
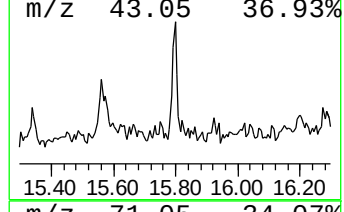
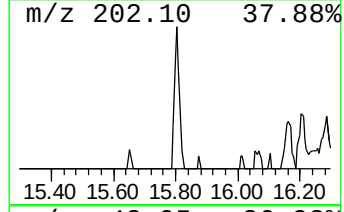
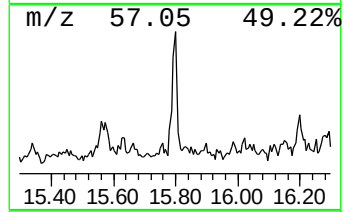
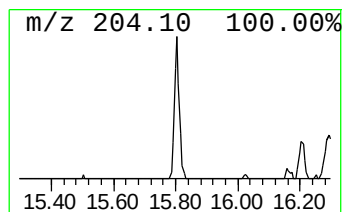
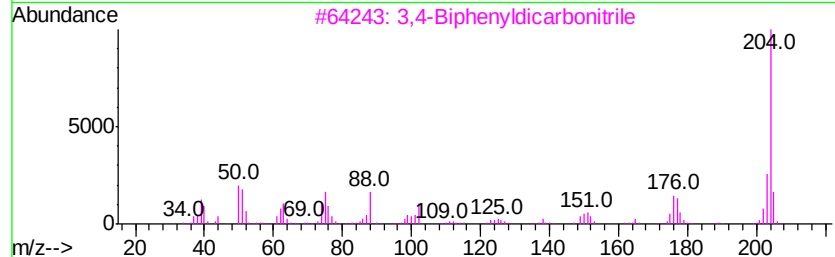
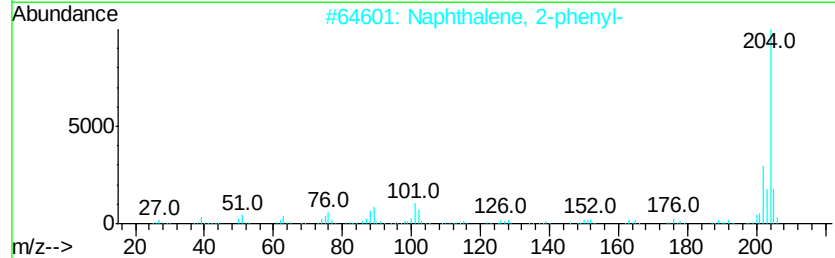
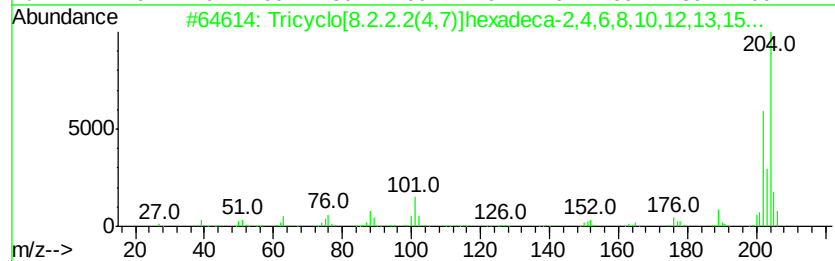
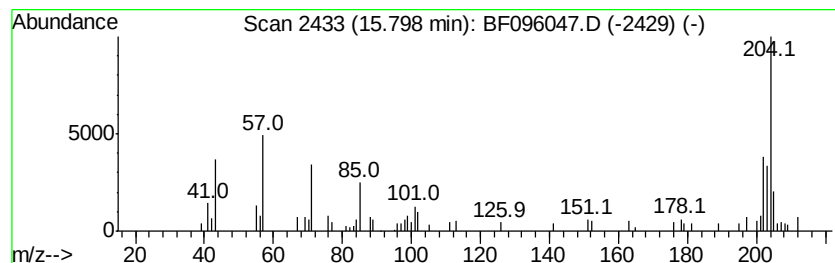
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	2.81 ng	65263	Phenanthrene-d10	14.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
4			Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	53
5			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
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Sample : I3693-04 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-01-061417-B

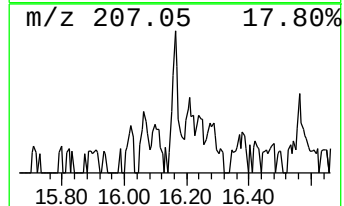
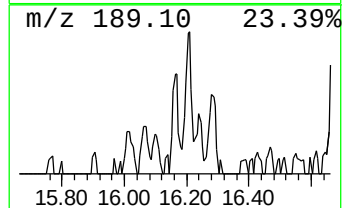
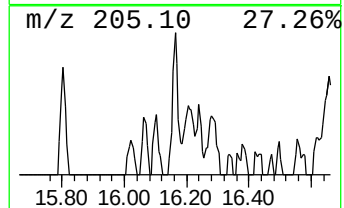
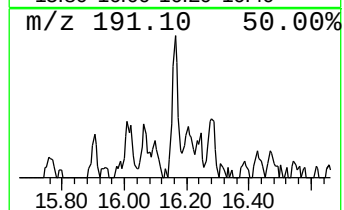
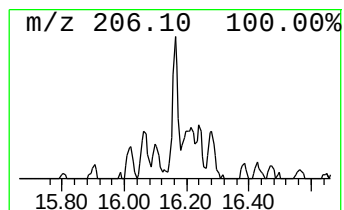
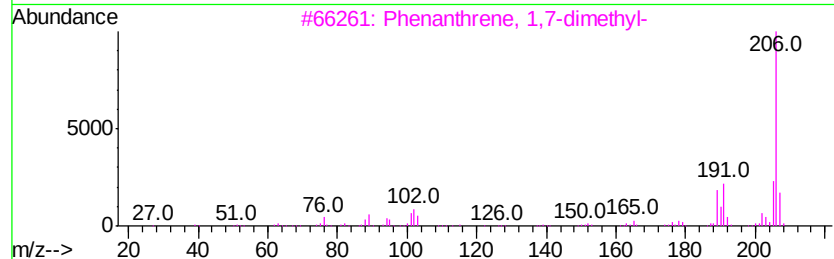
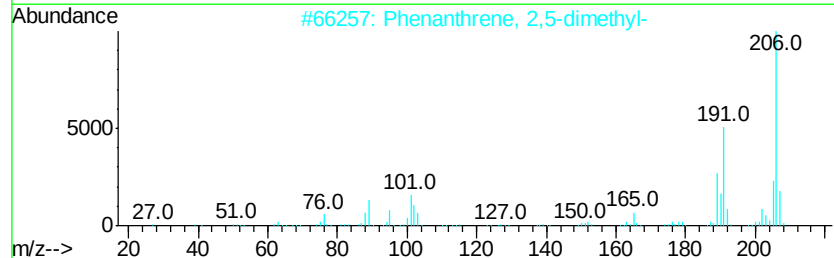
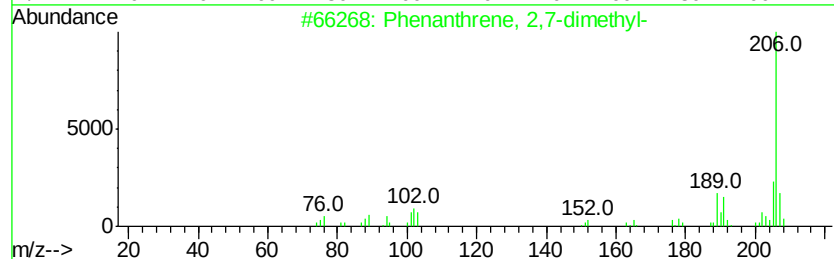
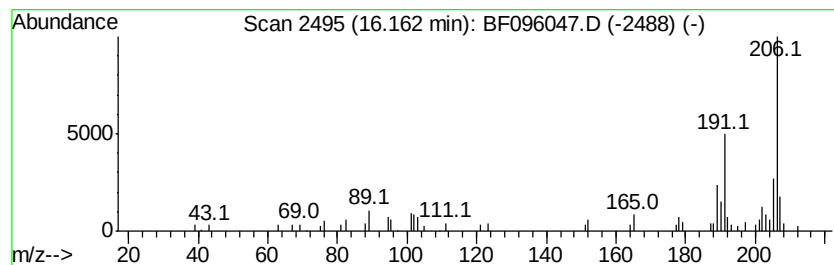
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.62 ng	60835	Phenanthrene-d10	14.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	94
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096047.D
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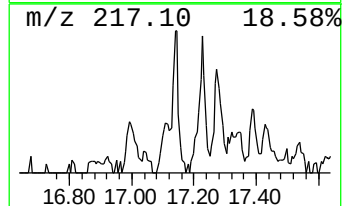
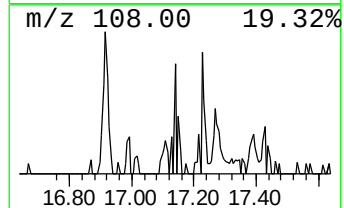
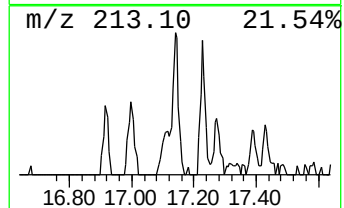
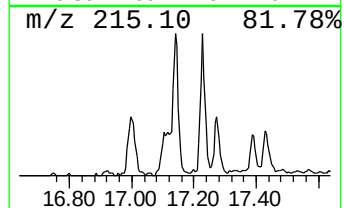
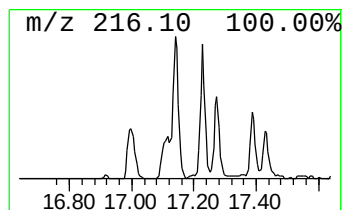
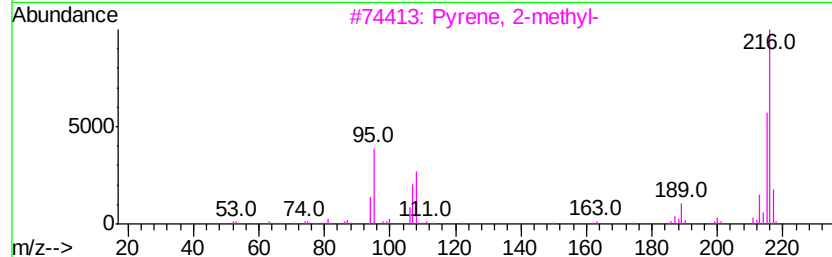
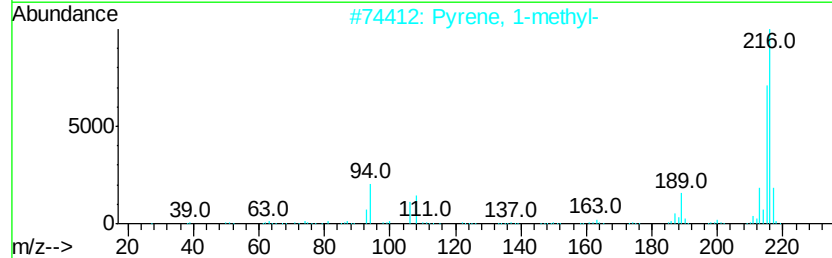
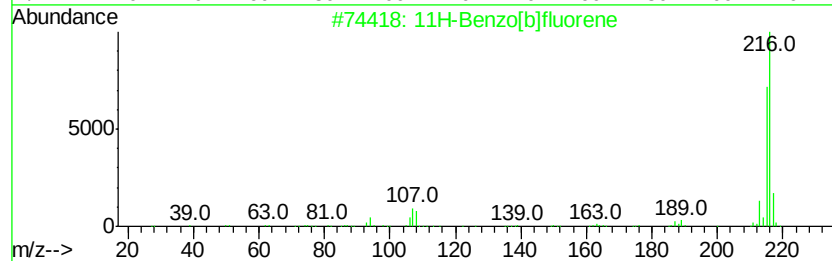
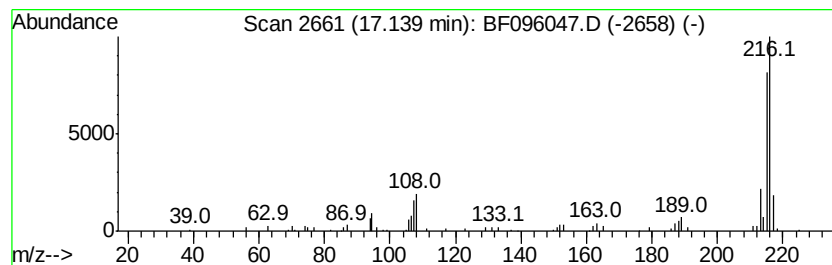
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.95 ng	116526	Chrysene-d12	18.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
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Acq On : 20 Jun 2017 16:26
Operator : SJ/MA
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Misc :
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ClientSampleId :
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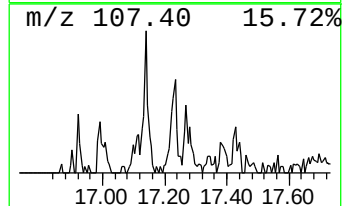
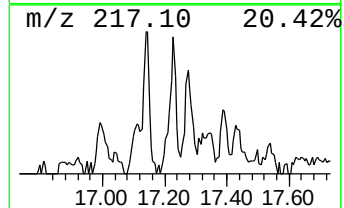
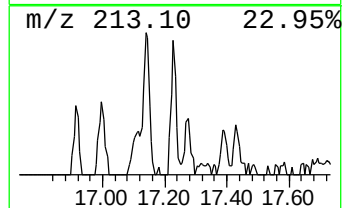
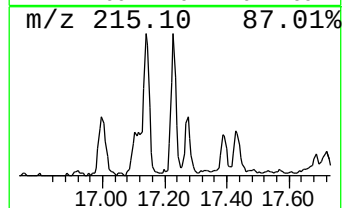
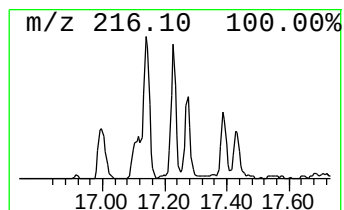
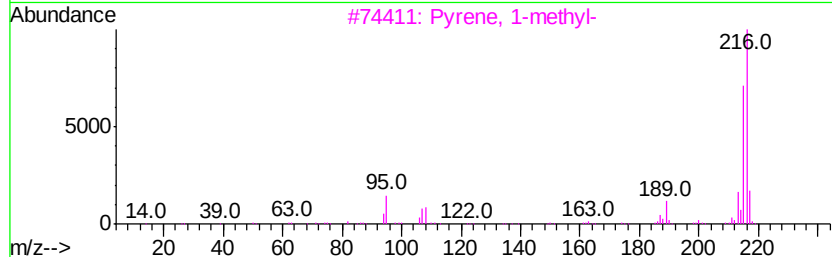
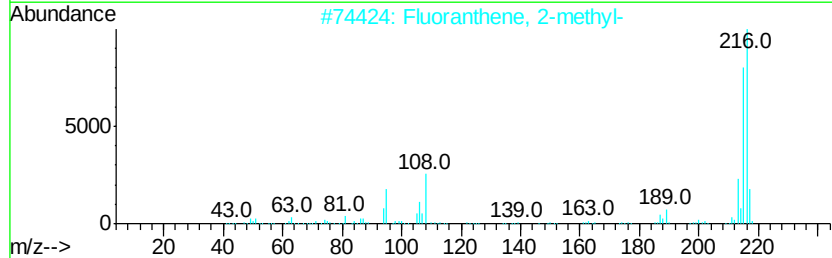
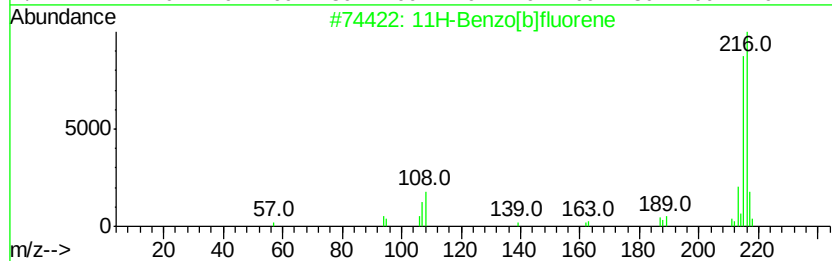
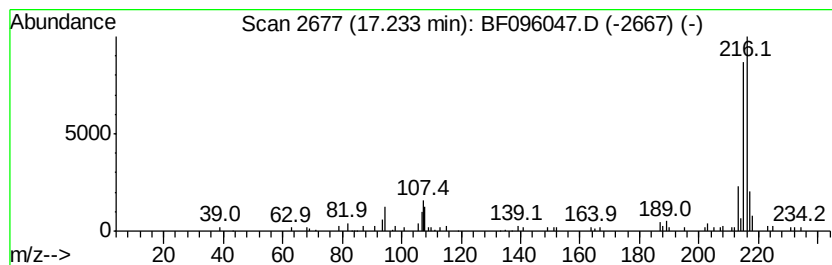
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	3.11 ng	122690	Chrysene-d12	18.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
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ClientSampled :
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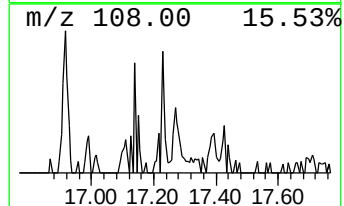
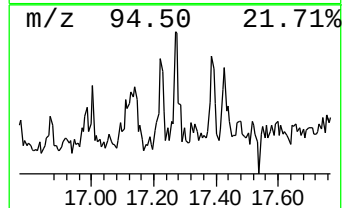
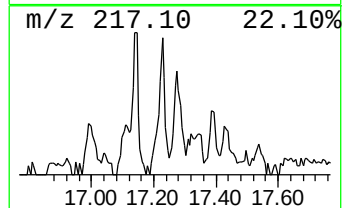
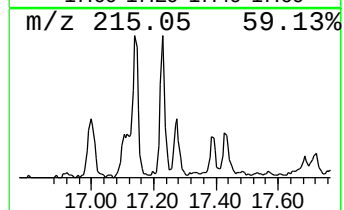
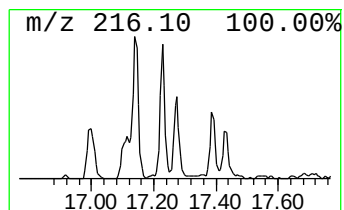
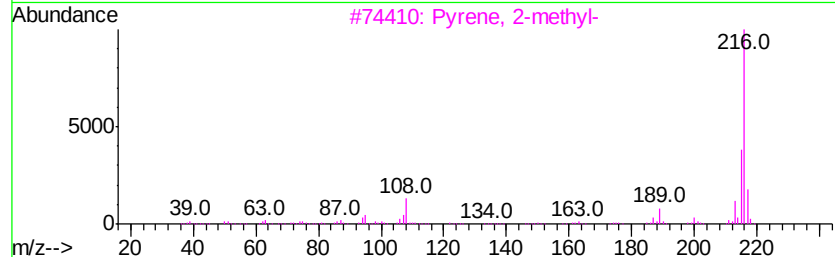
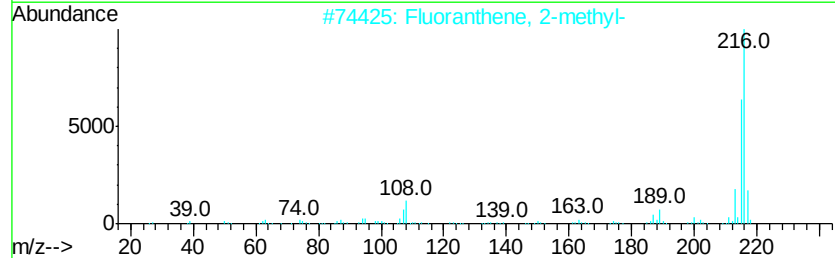
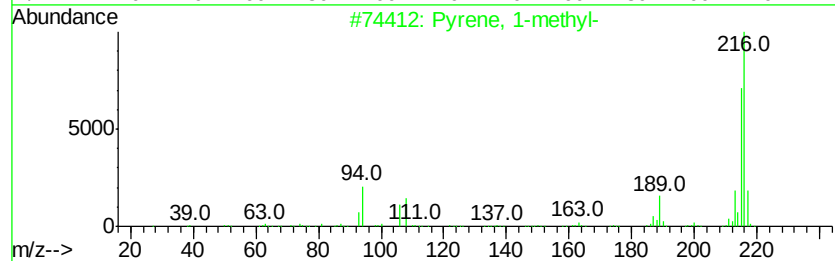
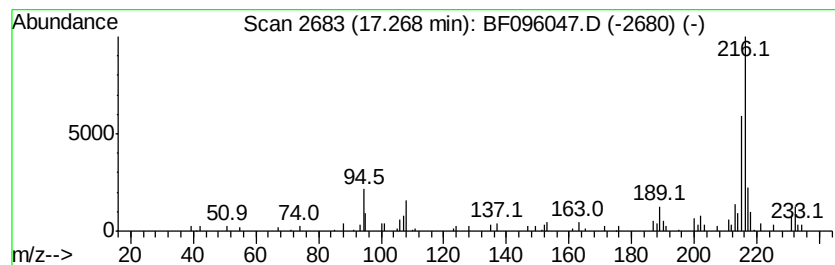
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.66 ng	104883	Chrysene-d12	18.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4		11H-Benzo[alfluorene	216	C17H12	000238-84-6	58
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062017\
 Data File : BF096047.D
 Acq On : 20 Jun 2017 16:26
 Operator : SJ/MA
 Sample : I3693-04 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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...	4.45	3.5	ng	70468	1	7.29	401662	20.0
unknown6.95	6.95	47.3	ng	950126	1	7.29	401662	20.0
Tridecane	13.77	2.9	ng	66986	4	14.53	463763	20.0
Phenanthrene, 2-m...	15.34	3.3	ng	75763	4	14.53	463763	20.0
Anthracene, 2-met...	15.39	3.0	ng	69278	4	14.53	463763	20.0
4H-Cyclopenta[def...	15.50	4.8	ng	112325	4	14.53	463763	20.0
Tricyclo[8.2.2.2(...	15.80	2.8	ng	65263	4	14.53	463763	20.0
Phenanthrene, 2,7...	16.16	2.6	ng	60835	4	14.53	463763	20.0
11H-Benzo[b]fluorene	17.14	3.0	ng	116526	5	18.27	789697	20.0
Fluoranthene, 2-m...	17.23	3.1	ng	122690	5	18.27	789697	20.0
Pyrene, 1-methyl-	17.27	2.7	ng	104883	5	18.27	789697	20.0