

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095472.D
 Acq On : 26 May 2017 21:15
 Operator : SJ/MA
 Sample : I3244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

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-BF050217.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	5.101	534	538	556	rBV	78276	204427	9.49%	0.658%
2	5.707	637	641	671	rBV	702201	1888472	87.67%	6.074%
3	7.289	906	910	926	rBV	727651	1699633	78.90%	5.467%
4	7.407	926	930	956	rVB	1232240	2154103	100.00%	6.928%
5	7.742	983	987	1000	rVB	430732	524008	24.33%	1.685%
6	7.978	1022	1027	1041	rBV	1208834	1531601	71.10%	4.926%
7	8.648	1136	1141	1163	rBV	469985	1059188	49.17%	3.407%
8	9.766	1327	1331	1351	rBV	291670	658501	30.57%	2.118%
9	11.536	1627	1632	1656	rBV	1153963	1953569	90.69%	6.283%
10	12.242	1748	1752	1768	rBV	97955	186743	8.67%	0.601%
11	12.389	1768	1777	1783	rVB	15031	24602	1.14%	0.079%
12	12.601	1808	1813	1830	rBV2	422365	744679	34.57%	2.395%
13	12.977	1870	1877	1884	rBV2	11784	26554	1.23%	0.085%
14	13.424	1949	1953	1958	rBV3	32104	39000	1.81%	0.125%
15	13.513	1964	1968	1973	rVB4	14754	22546	1.05%	0.073%
16	13.771	2008	2012	2020	rBV4	21780	39729	1.84%	0.128%
17	13.895	2029	2033	2058	rVB	512180	955021	44.33%	3.072%
18	14.201	2080	2085	2088	rBV	31158	40311	1.87%	0.130%
19	14.624	2153	2157	2160	rBV5	20007	28931	1.34%	0.093%
20	14.736	2171	2176	2182	rBV2	25808	43503	2.02%	0.140%
21	14.795	2182	2186	2190	rVV6	15736	28024	1.30%	0.090%
22	14.836	2190	2193	2198	rVB	46474	52276	2.43%	0.168%
23	14.995	2216	2220	2223	rVV	423258	528209	24.52%	1.699%
24	15.036	2223	2227	2238	rVV	839292	1207560	56.06%	3.884%
25	15.124	2238	2242	2252	rVB	136106	207520	9.63%	0.667%
26	15.430	2290	2294	2300	rBV2	26917	50355	2.34%	0.162%
27	15.483	2300	2303	2307	rVB	21527	26977	1.25%	0.087%
28	15.524	2307	2310	2315	rVB	35315	44526	2.07%	0.143%
29	15.577	2315	2319	2320	rBV3	18352	22974	1.07%	0.074%
30	15.654	2327	2332	2337	rBV3	27404	47331	2.20%	0.152%
31	15.777	2349	2353	2357	rVV	206291	248516	11.54%	0.799%
32	15.824	2357	2361	2368	rVV	229343	303780	14.10%	0.977%
33	15.895	2370	2373	2376	rVV2	63150	77661	3.61%	0.250%
34	15.930	2376	2379	2383	rVV2	174009	280345	13.01%	0.902%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095472.D
 Acq On : 26 May 2017 21:15
 Operator : SJ/MA
 Sample : I3244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

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-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.971	2383	2386	2396	rVB	164578	235261	10.92%	0.757%
36	16.130	2409	2413	2415	rBV3	16003	21901	1.02%	0.070%
37	16.218	2425	2428	2437	rVV	126787	187389	8.70%	0.603%
38	16.289	2437	2440	2443	rVV2	45111	61309	2.85%	0.197%
39	16.318	2443	2445	2448	rVB	24548	23499	1.09%	0.076%
40	16.430	2460	2464	2468	rBV	50173	63670	2.96%	0.205%
41	16.477	2468	2472	2475	rBV2	49671	61312	2.85%	0.197%
42	16.512	2475	2478	2481	rVB	34927	34405	1.60%	0.111%
43	16.577	2484	2489	2492	rBV	148067	194910	9.05%	0.627%
44	16.618	2492	2496	2500	rBV2	45773	70816	3.29%	0.228%
45	16.654	2500	2502	2504	rVB	42927	36800	1.71%	0.118%
46	16.701	2504	2510	2517	rBV2	103388	178199	8.27%	0.573%
47	16.783	2519	2524	2528	rBV	1431161	1721795	79.93%	5.538%
48	16.877	2536	2540	2543	rBV2	54467	81552	3.79%	0.262%
49	16.977	2552	2557	2561	rBV	60935	76109	3.53%	0.245%
50	17.018	2561	2564	2567	rVV4	34814	46483	2.16%	0.150%
51	17.083	2567	2575	2583	rVV	1426380	1771573	82.24%	5.698%
52	17.148	2583	2586	2588	rVV3	26705	30665	1.42%	0.099%
53	17.171	2588	2590	2592	rVV2	35806	34784	1.61%	0.112%
54	17.201	2592	2595	2598	rVB2	28468	30183	1.40%	0.097%
55	17.271	2603	2607	2610	rBV2	81918	95185	4.42%	0.306%
56	17.318	2610	2615	2623	rVB	1182184	1387604	64.42%	4.463%
57	17.401	2623	2629	2635	rBV2	95679	187038	8.68%	0.602%
58	17.512	2641	2648	2652	rBV5	92698	195855	9.09%	0.630%
59	17.612	2660	2665	2666	rBV5	23167	38229	1.77%	0.123%
60	17.630	2666	2668	2672	rVB2	33326	38630	1.79%	0.124%
61	17.677	2672	2676	2682	rBV2	174480	290667	13.49%	0.935%
62	17.795	2693	2696	2700	rVB	93403	98844	4.59%	0.318%
63	17.836	2700	2703	2708	rVB	74689	93058	4.32%	0.299%
64	17.877	2708	2710	2719	rVB8	24338	45236	2.10%	0.145%
65	18.059	2735	2741	2745	rBV7	23486	52042	2.42%	0.167%
66	18.136	2750	2754	2761	rVB8	28140	52195	2.42%	0.168%
67	18.236	2766	2771	2775	rBV	148242	194355	9.02%	0.625%
68	18.289	2778	2780	2783	rBV	21048	22443	1.04%	0.072%
69	18.348	2786	2790	2792	rBV2	94273	113352	5.26%	0.365%
70	18.377	2792	2795	2798	rVV	179389	205890	9.56%	0.662%
71	18.412	2798	2801	2804	rVV	85368	93846	4.36%	0.302%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
 Data File : BF095472.D
 Acq On : 26 May 2017 21:15
 Operator : SJ/MA
 Sample : I3244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

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-BF050217.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.448	2804	2807	2811	rVB2	73421	90936	4.22%	0.292%
73	18.512	2814	2818	2823	rVV2	109887	190923	8.86%	0.614%
74	18.571	2823	2828	2832	rVB2	51818	93452	4.34%	0.301%
75	18.665	2839	2844	2848	rBV2	909567	1453017	67.45%	4.673%
76	18.706	2848	2851	2861	rVV	633317	900293	41.79%	2.896%
77	18.795	2863	2866	2869	rVB5	24860	35216	1.63%	0.113%
78	18.900	2881	2884	2886	rBV3	28190	33712	1.57%	0.108%
79	18.959	2890	2894	2898	rVV2	50118	69707	3.24%	0.224%
80	19.000	2898	2901	2907	rVB4	44378	73445	3.41%	0.236%
81	19.053	2907	2910	2912	rBV	24847	29956	1.39%	0.096%
82	19.130	2920	2923	2925	rBV2	28010	27615	1.28%	0.089%
83	19.177	2926	2931	2935	rVV	126963	173444	8.05%	0.558%
84	19.218	2935	2938	2942	rVB	68216	84068	3.90%	0.270%
85	19.277	2943	2948	2954	rBV5	52748	116273	5.40%	0.374%
86	19.336	2954	2958	2960	rBV3	46386	58085	2.70%	0.187%
87	19.430	2970	2974	2978	rBV4	35405	49819	2.31%	0.160%
88	19.495	2981	2985	2989	rBV7	17795	30569	1.42%	0.098%
89	19.789	3031	3035	3039	rBV3	61050	91940	4.27%	0.296%
90	19.895	3050	3053	3057	rBV3	28134	37891	1.76%	0.122%
91	19.942	3057	3061	3064	rBV	462093	659630	30.62%	2.122%
92	20.059	3077	3081	3086	rBV2	60307	93178	4.33%	0.300%
93	20.142	3093	3095	3097	rBV3	25974	30145	1.40%	0.097%
94	20.236	3107	3111	3116	rBV	265309	324384	15.06%	1.043%
95	20.294	3118	3121	3127	rVB	309475	361392	16.78%	1.162%
96	20.353	3127	3131	3134	rBV	295765	374423	17.38%	1.204%
97	21.689	3353	3358	3374	rVB	129681	340794	15.82%	1.096%
98	22.077	3419	3424	3431	rBV	75775	148690	6.90%	0.478%

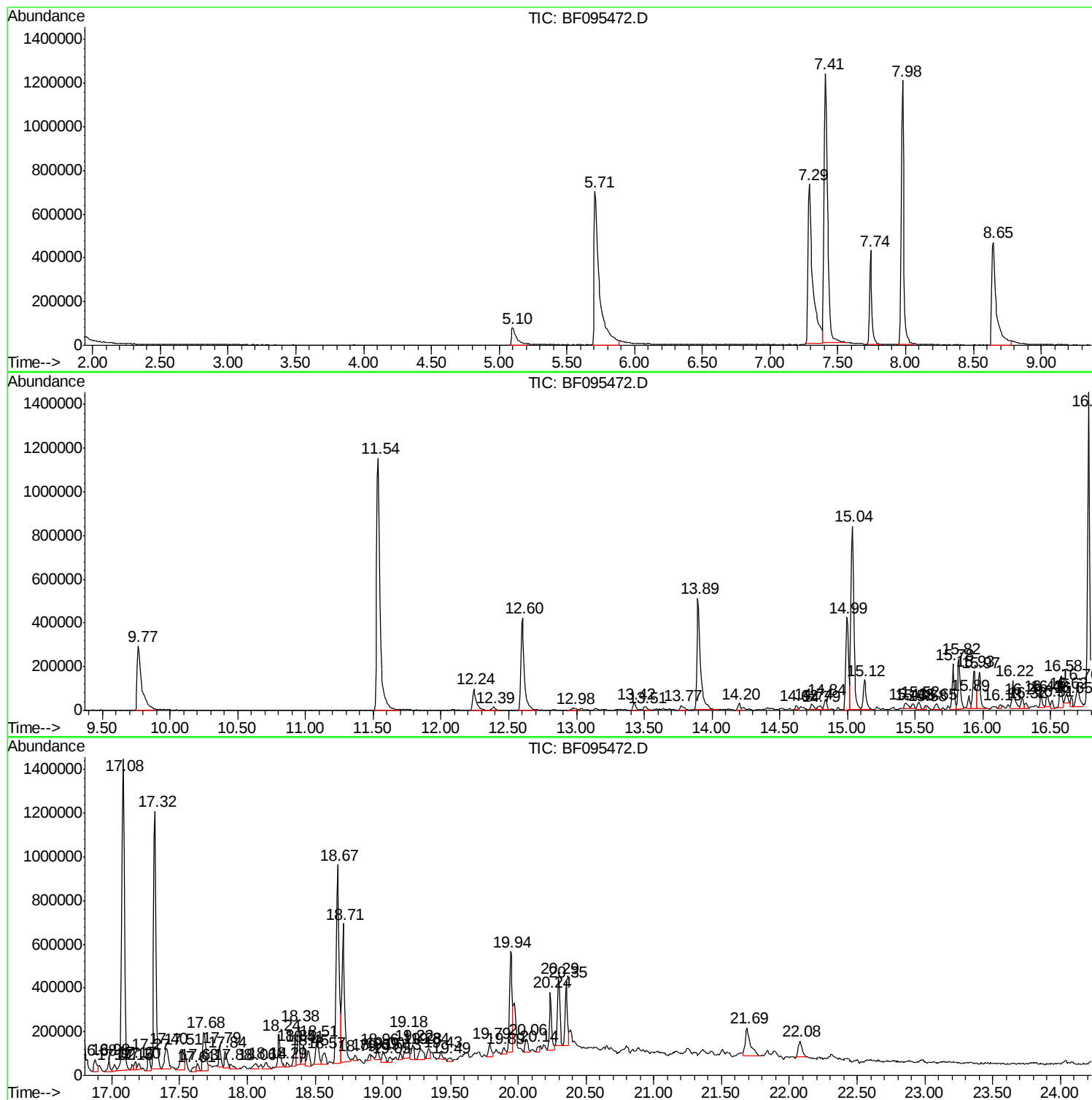
Sum of corrected areas: 31091256

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

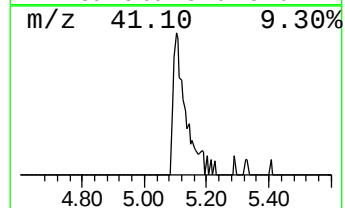
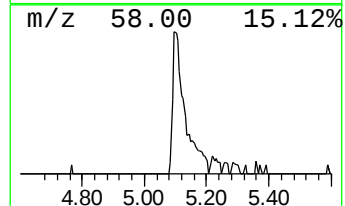
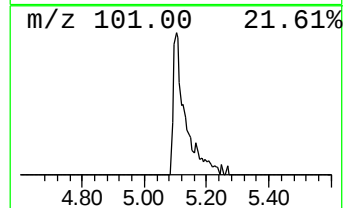
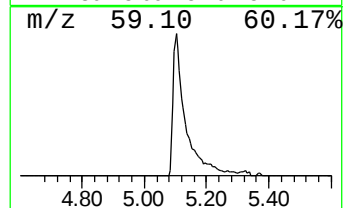
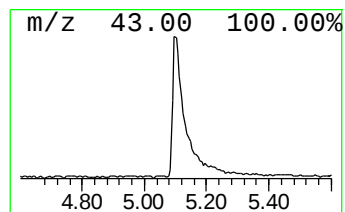
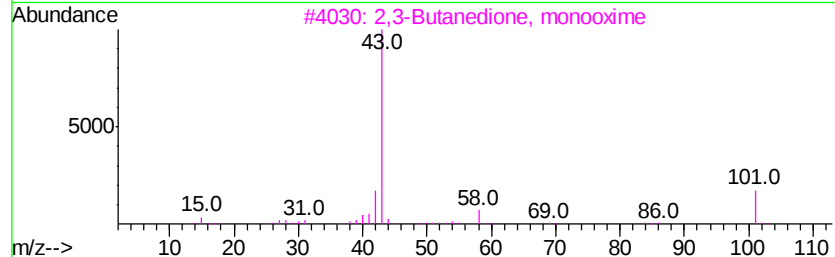
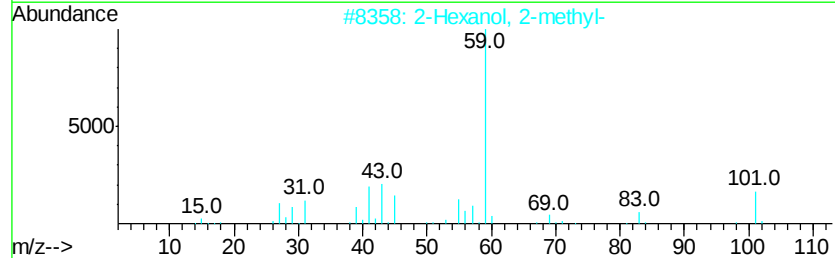
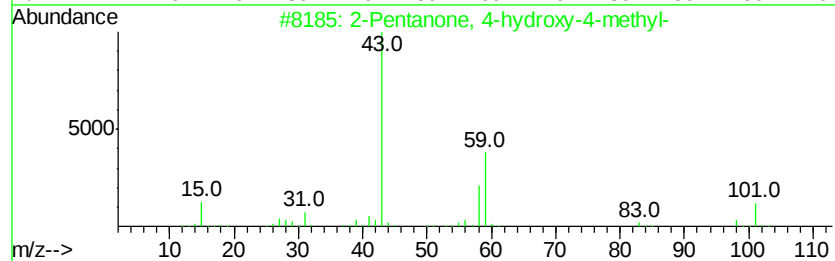
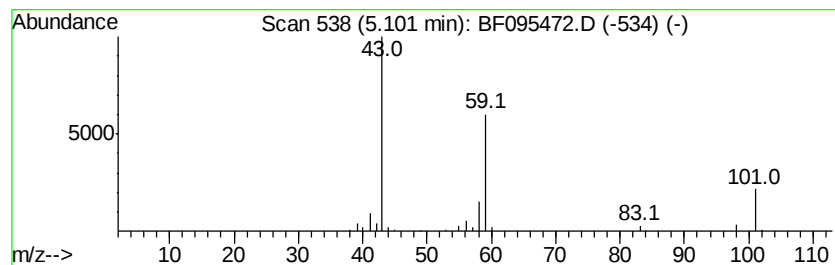
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	7.80 ng	204427	1,4-Dichlorobenzene-d4	7.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			3-Pentanol	88	C5H12O	000584-02-1	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

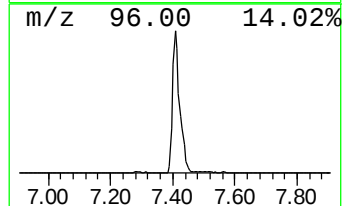
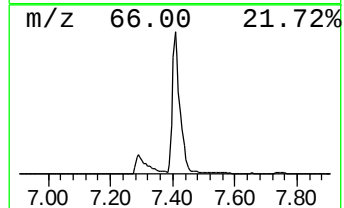
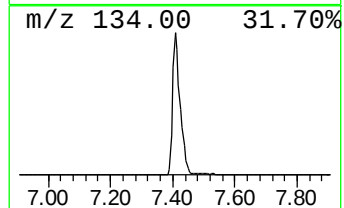
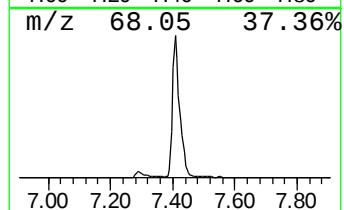
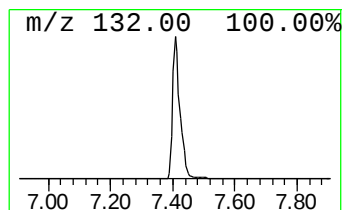
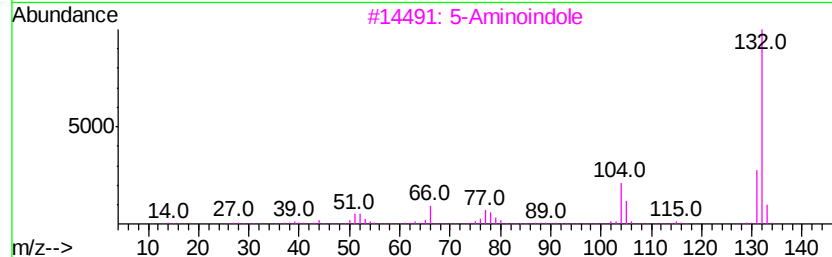
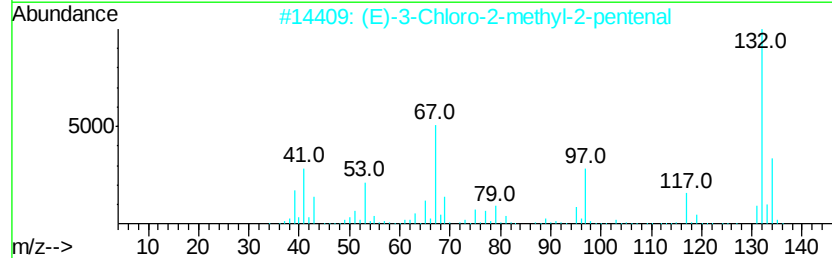
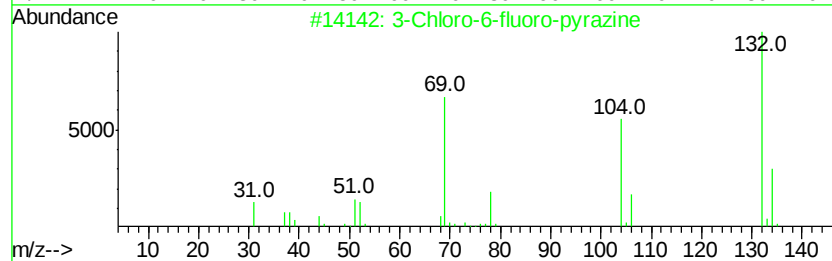
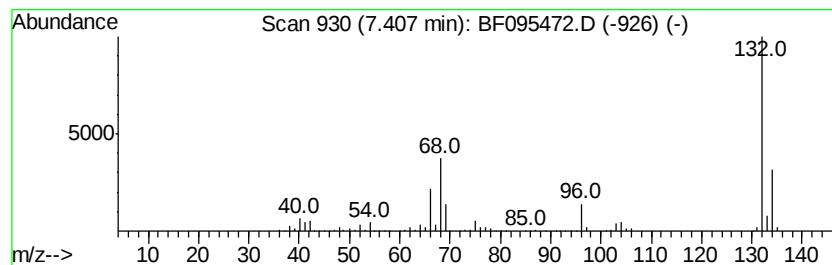
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	82.22 ng	2154100	1,4-Dichlorobenzene-d4	7.74

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		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

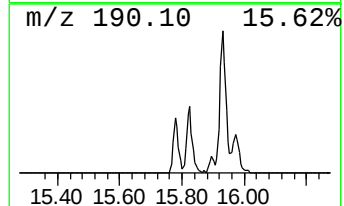
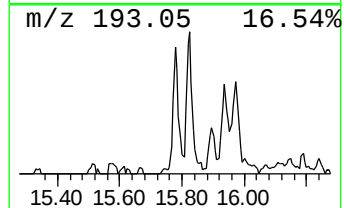
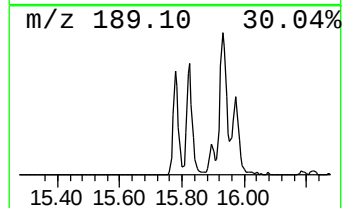
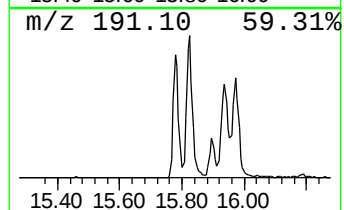
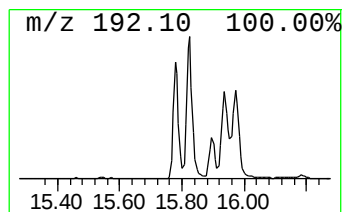
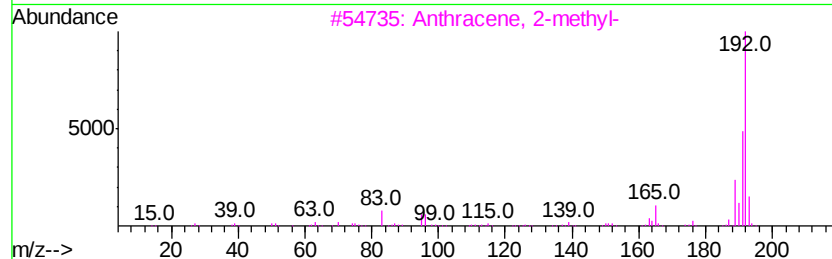
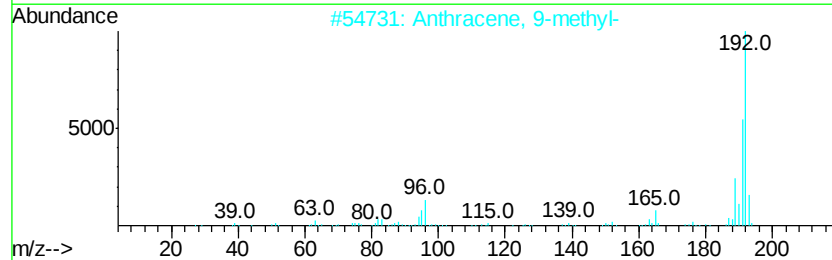
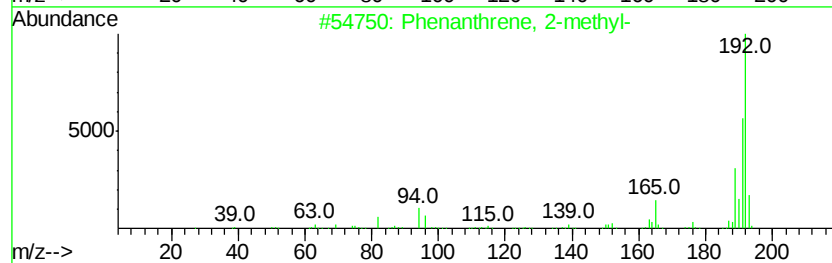
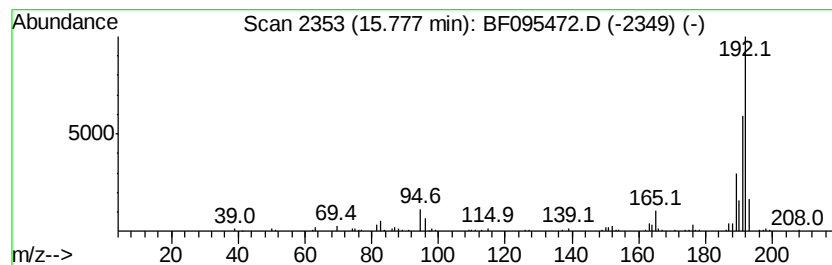
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	9.41 ng	248516	Phenanthrene-d10	14.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

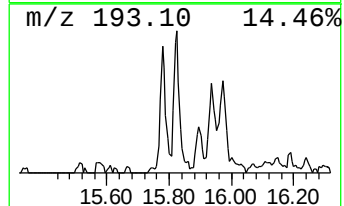
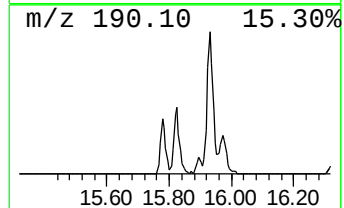
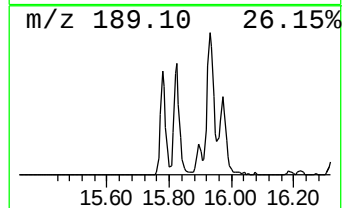
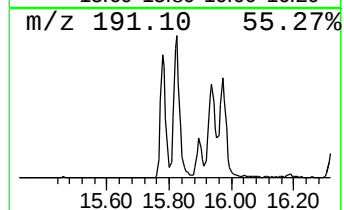
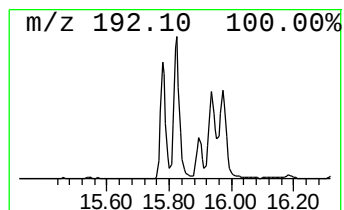
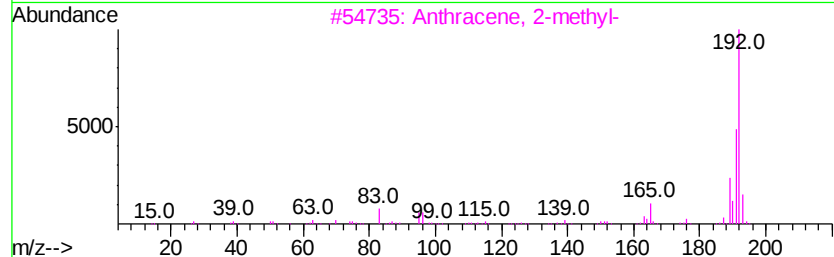
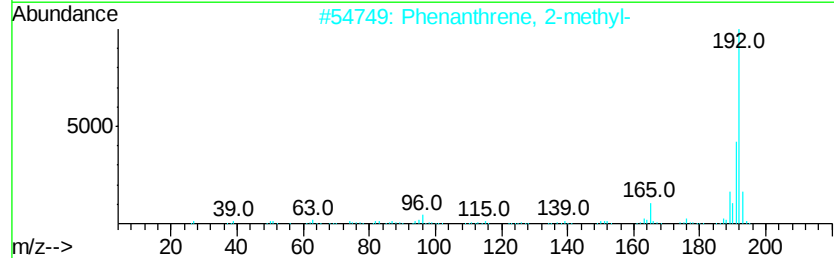
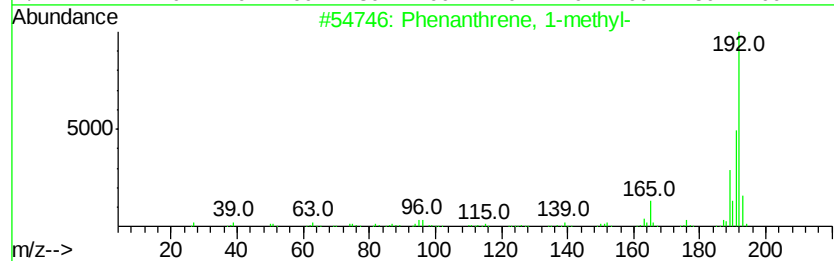
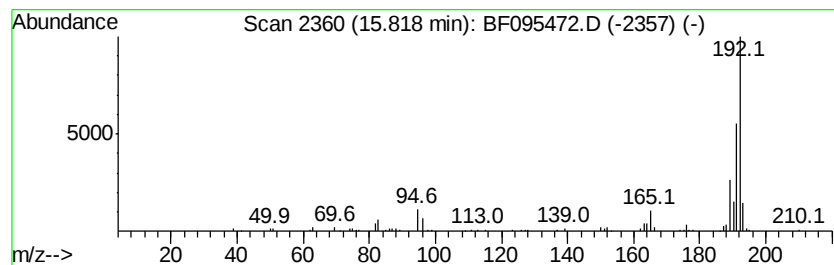
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	11.50 ng	303780	Phenanthrene-d10	14.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

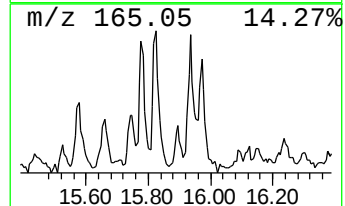
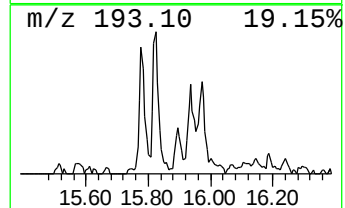
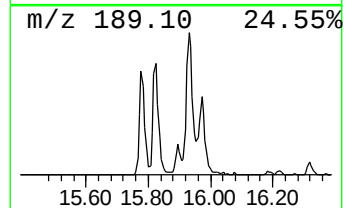
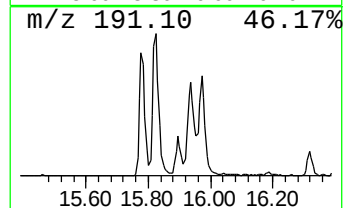
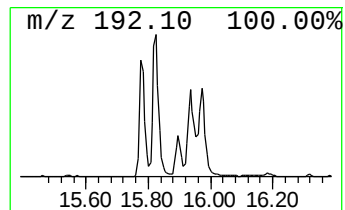
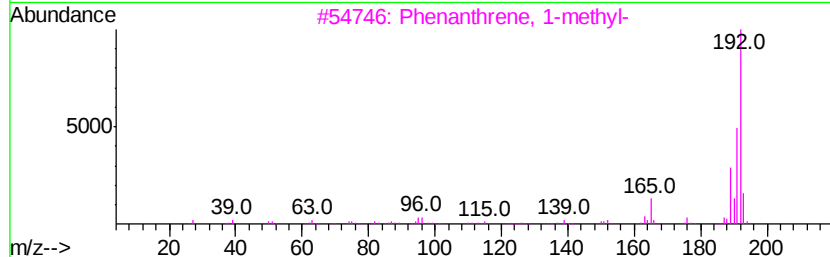
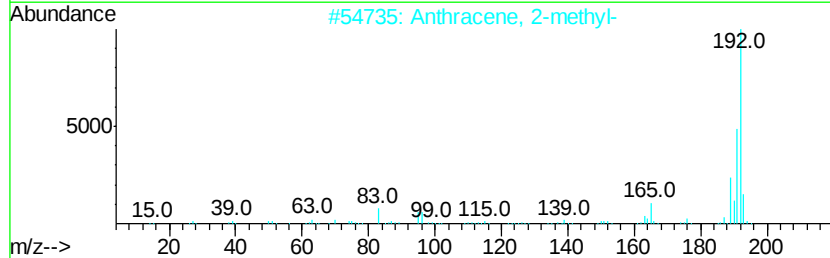
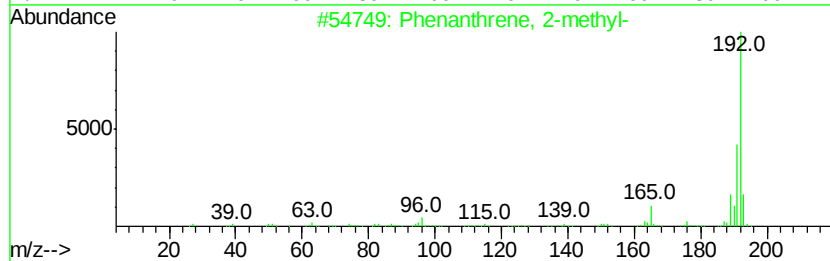
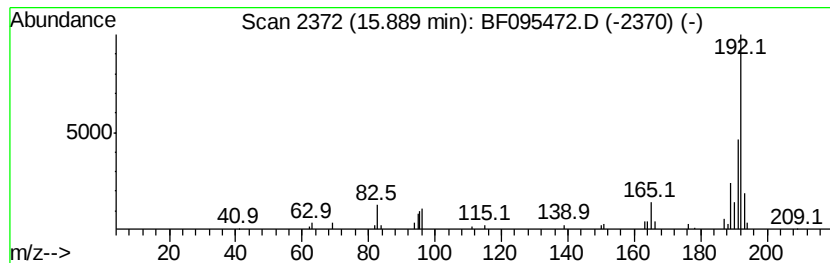
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.94 ng	77661	Phenanthrene-d10	14.99

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	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

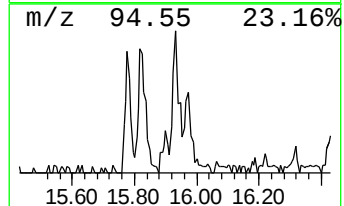
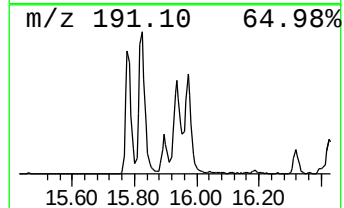
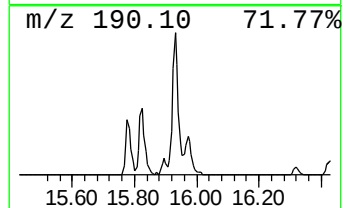
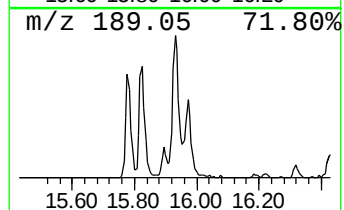
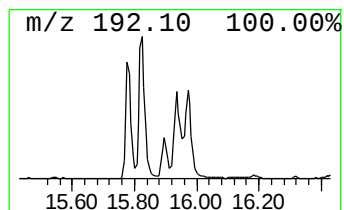
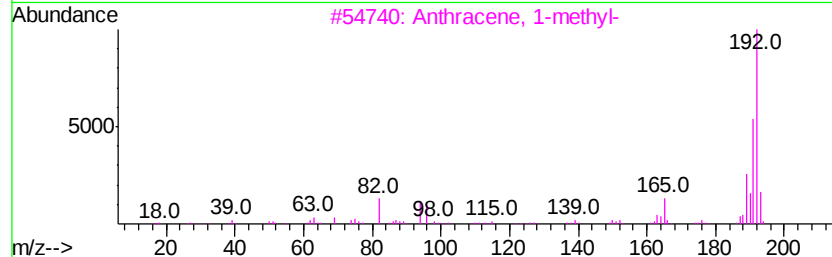
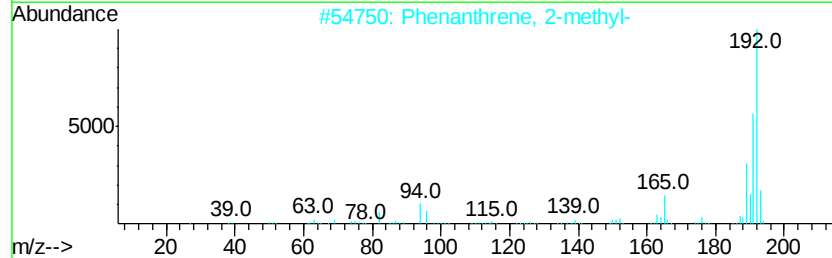
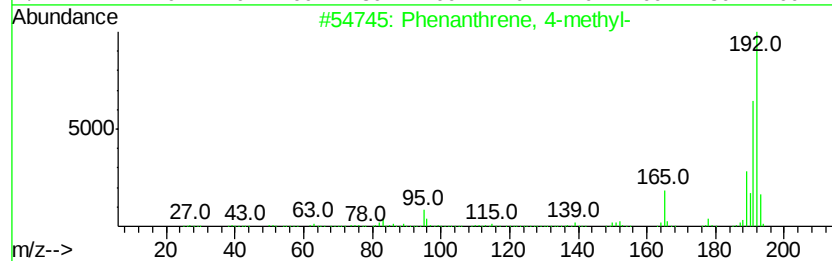
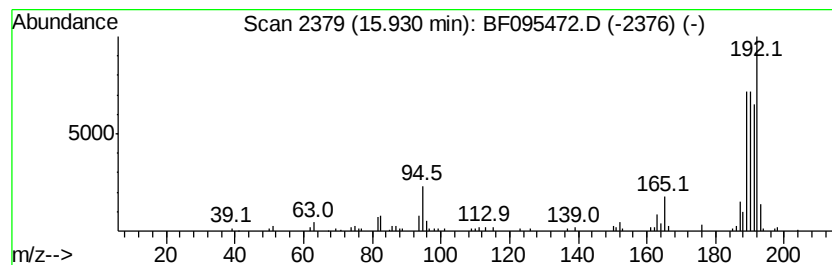
Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.93	10.61 ng	280345	Phenanthrene-d10	14.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

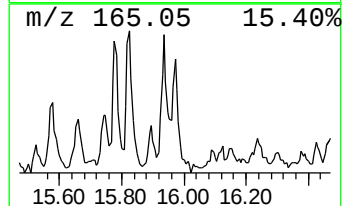
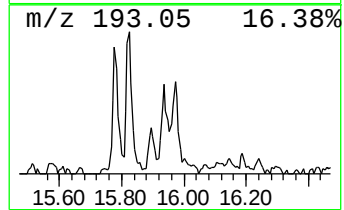
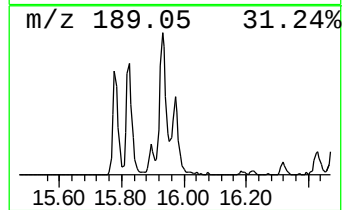
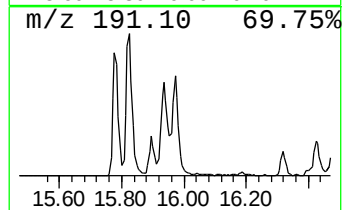
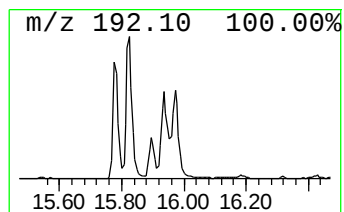
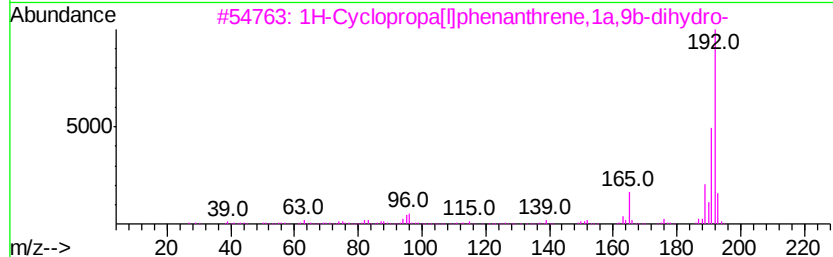
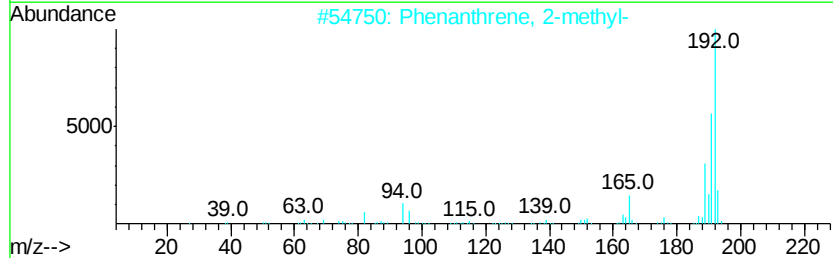
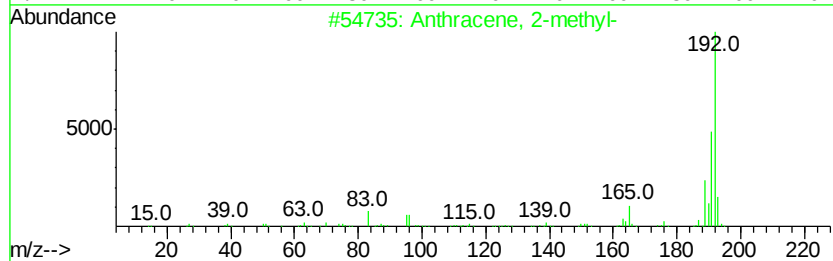
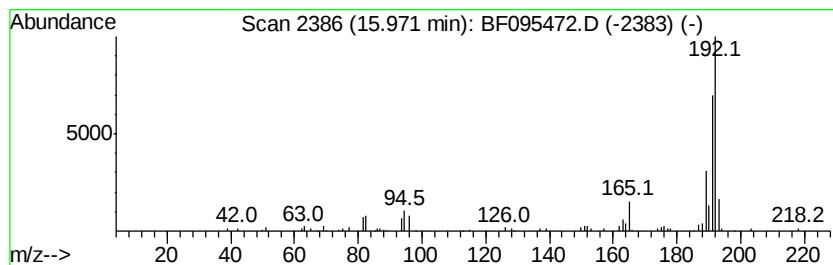
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	8.91 ng	235261	Phenanthrene-d10	14.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

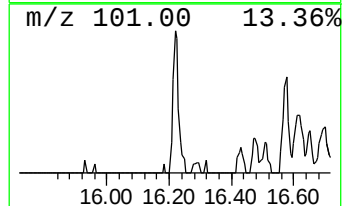
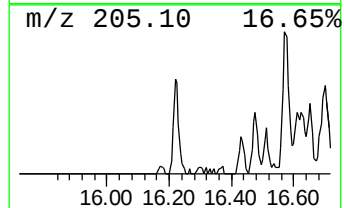
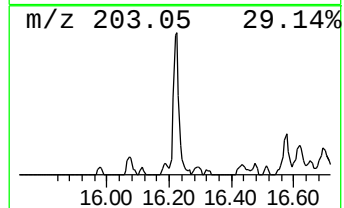
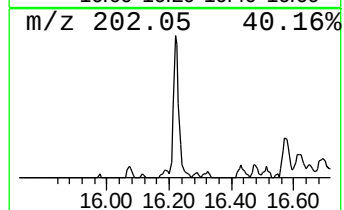
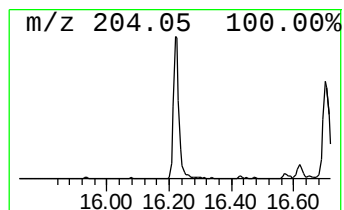
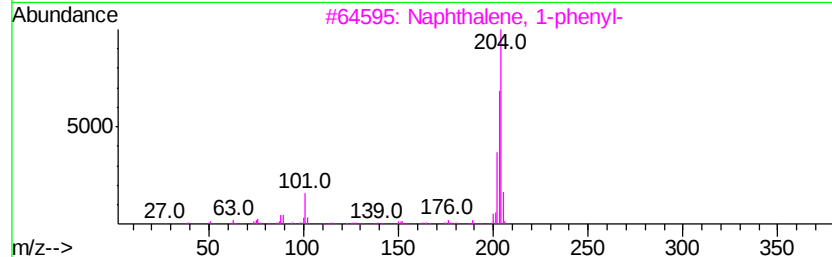
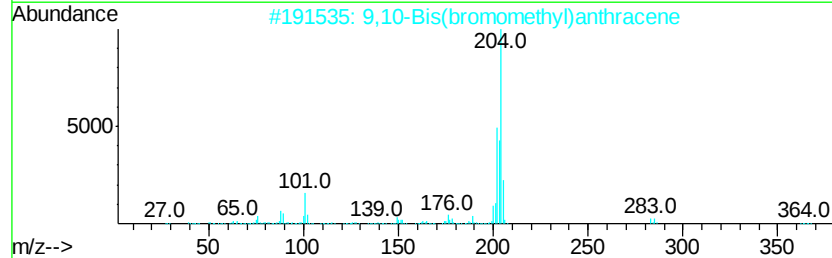
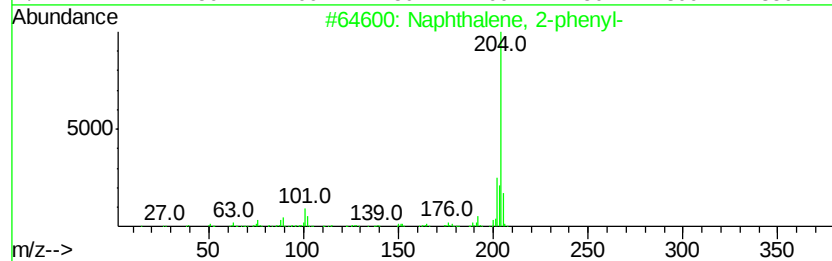
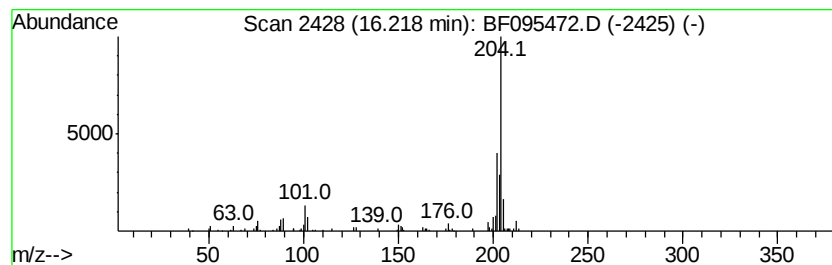
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	7.10 ng	187389	Phenanthrene-d10	14.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	80
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

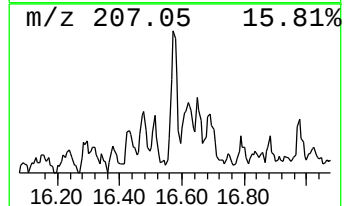
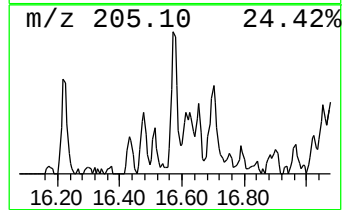
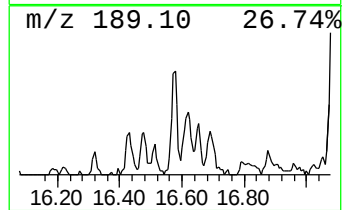
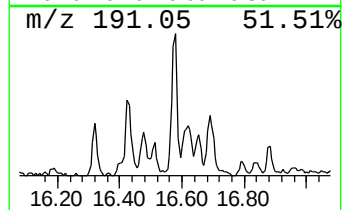
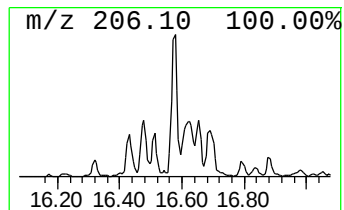
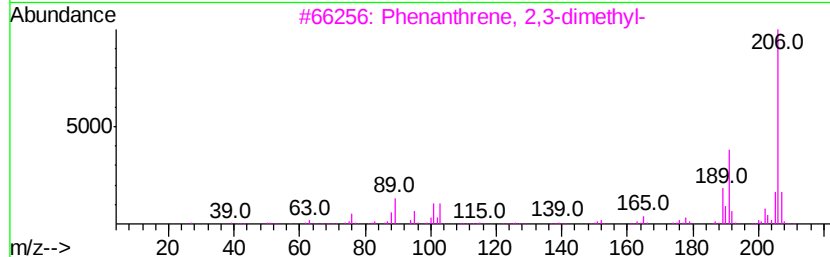
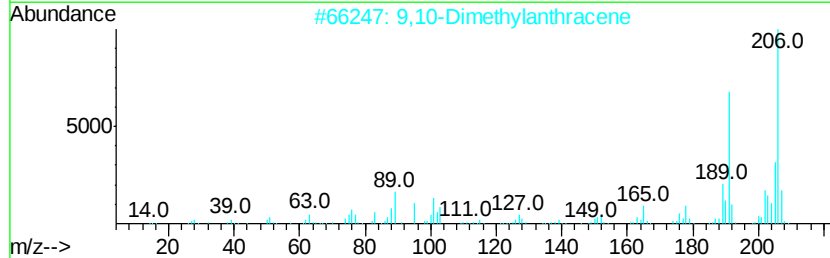
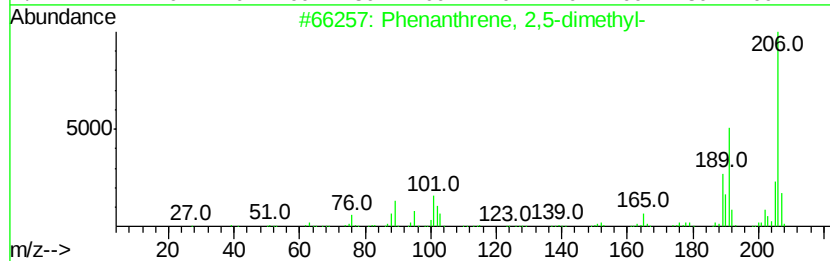
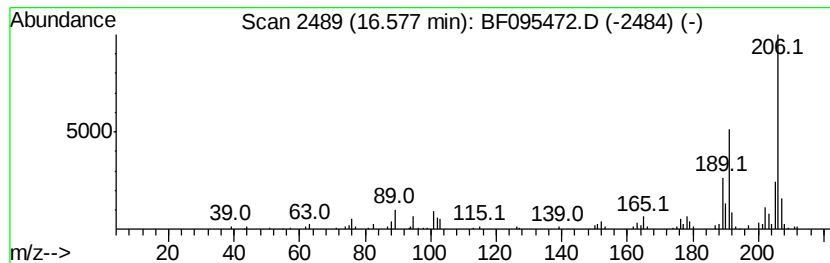
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	7.38 ng	194910	Phenanthrene-d10	14.99

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	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5			1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
 Data File : BF095472.D
 Acq On : 26 May 2017 21:15
 Operator : SJ/MA
 Sample : I3244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

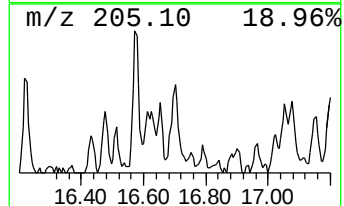
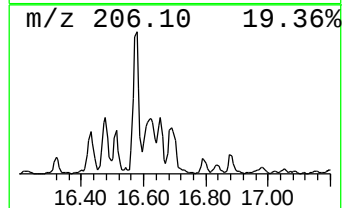
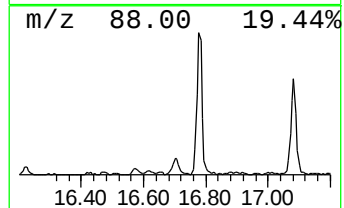
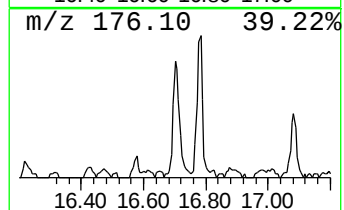
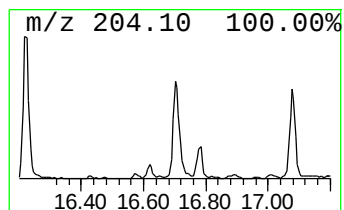
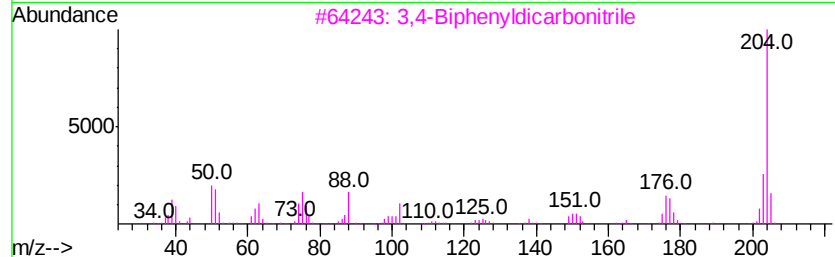
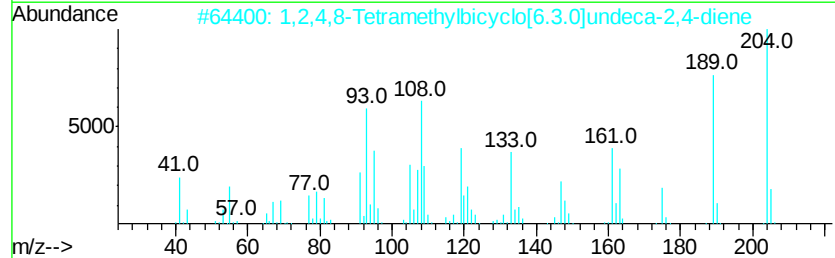
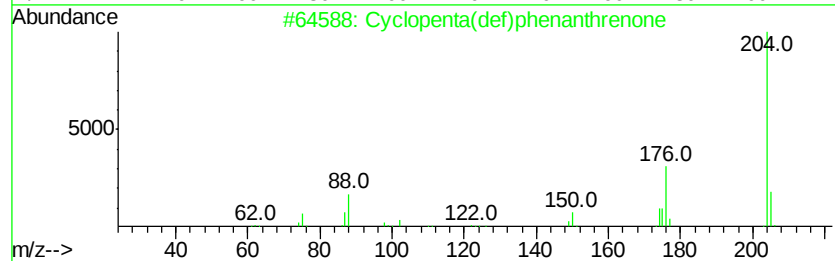
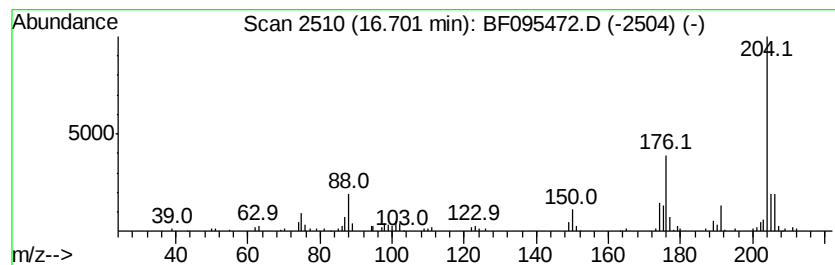
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	6.75 ng	178199	Phenanthrene-d10	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	41
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

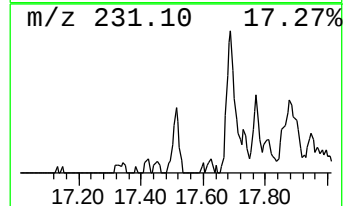
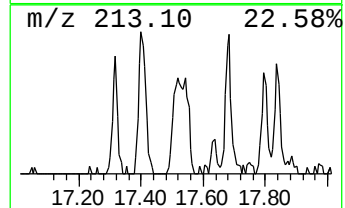
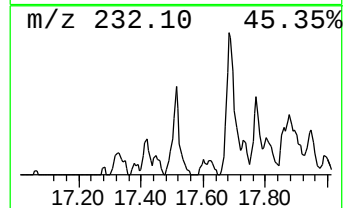
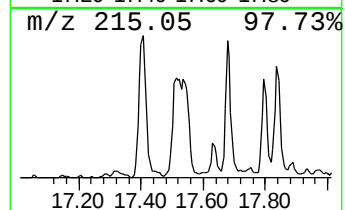
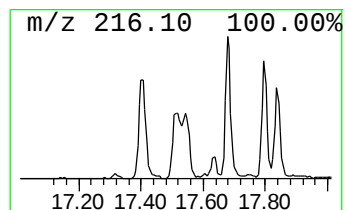
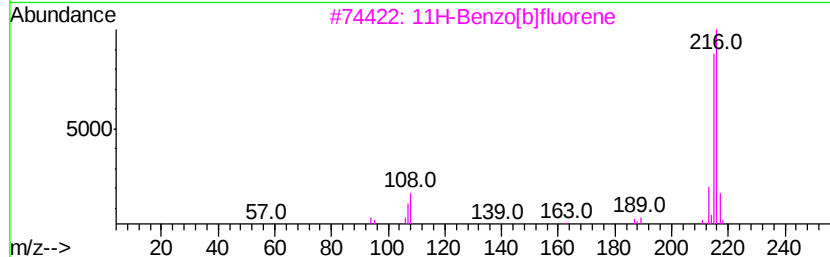
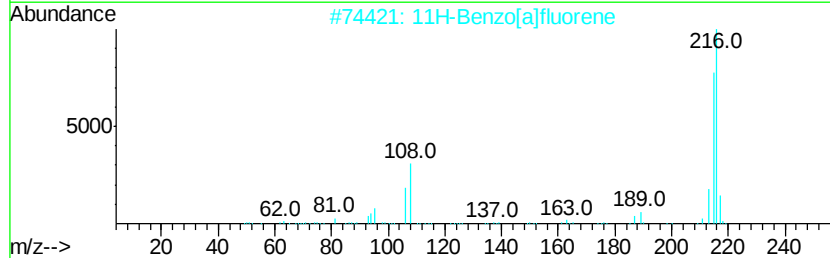
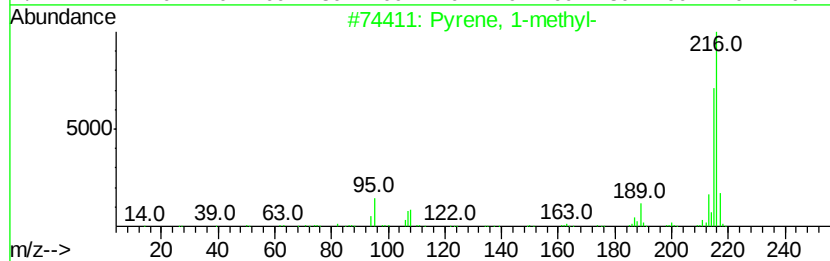
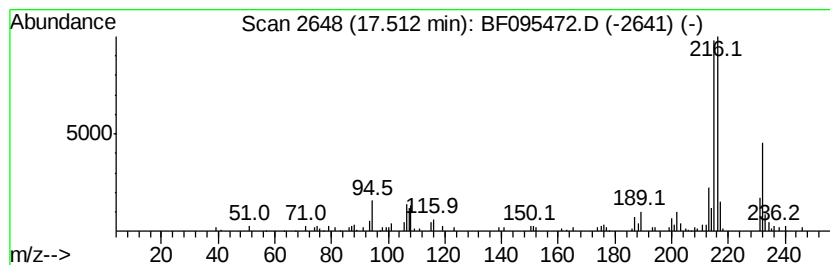
Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.51	2.70 ng	195855	Chrysene-d12	18.67	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

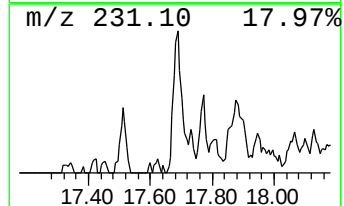
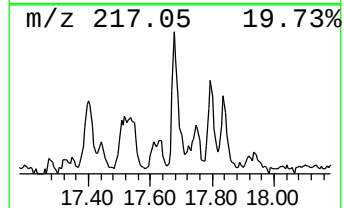
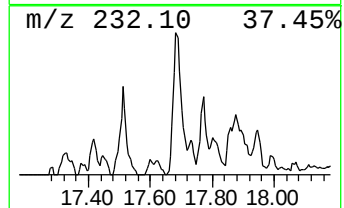
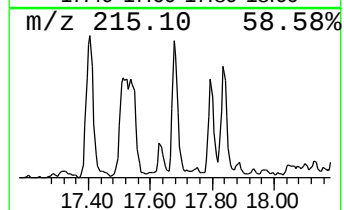
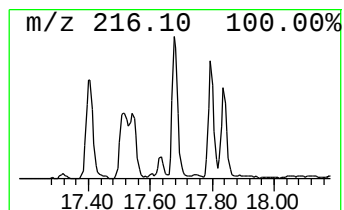
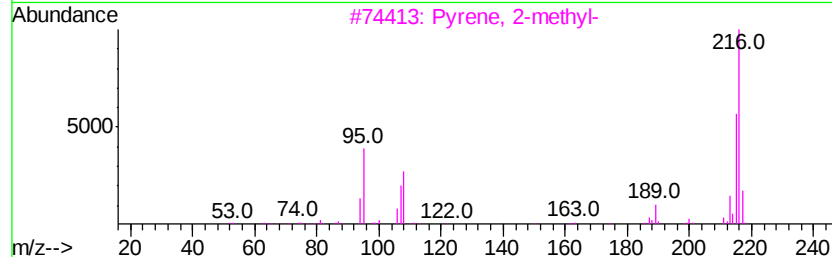
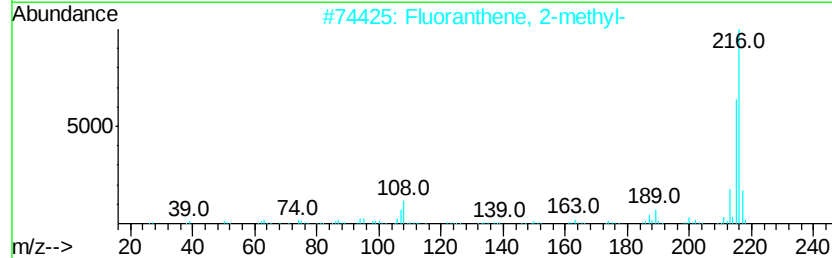
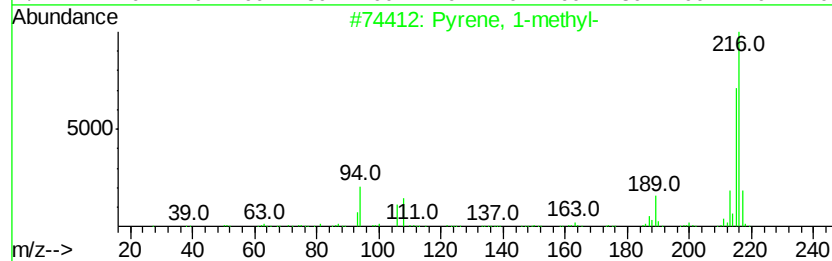
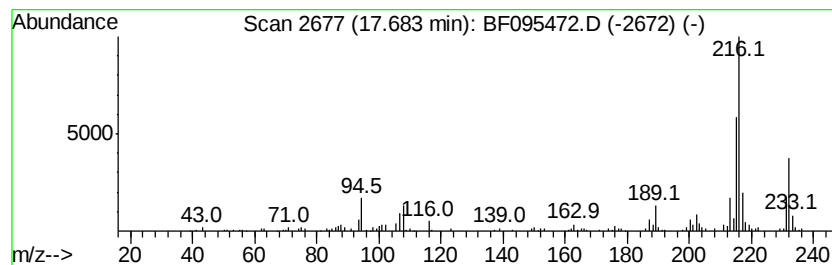
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	4.00 ng	290667	Chrysene-d12	18.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

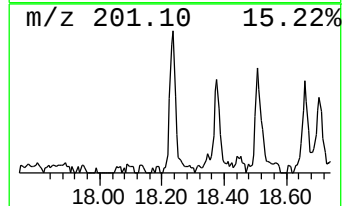
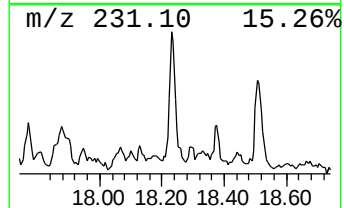
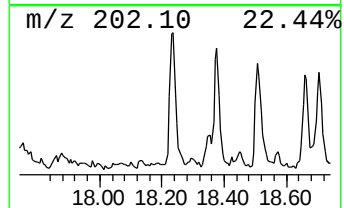
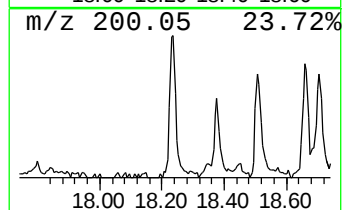
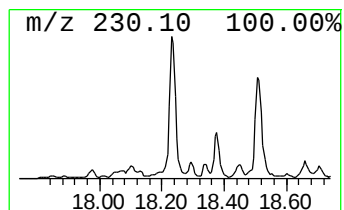
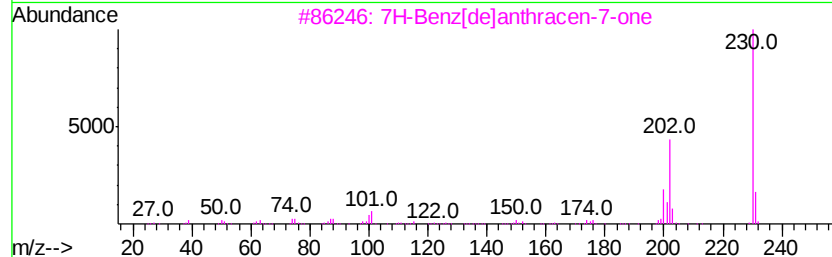
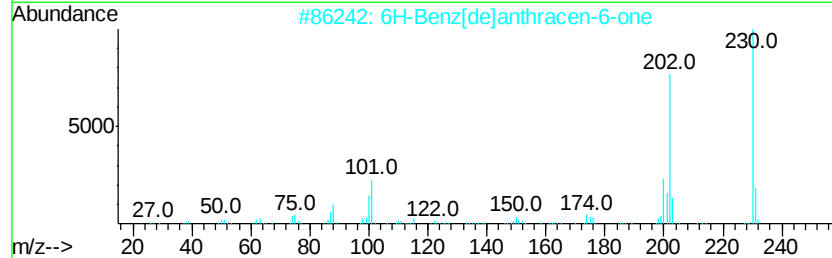
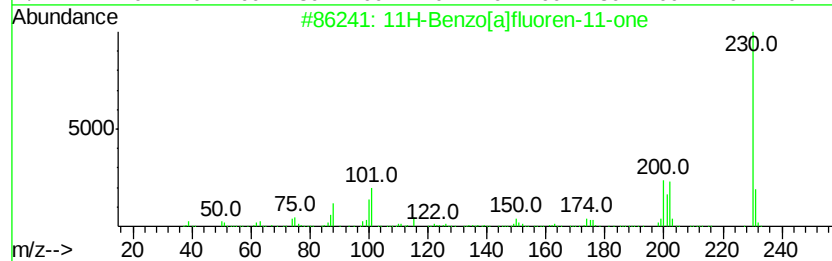
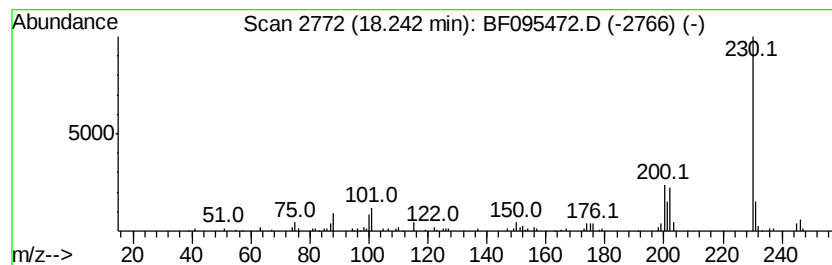
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.68 ng	194355	Chrysene-d12	18.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	91
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4		4-Pvrenecarbaldehyde	230	C17H10O	022245-51-8	72
5		o-Terphenyl	230	C18H14	000084-15-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

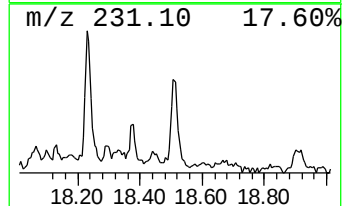
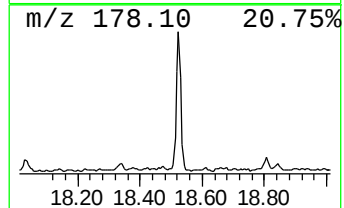
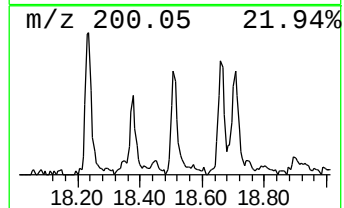
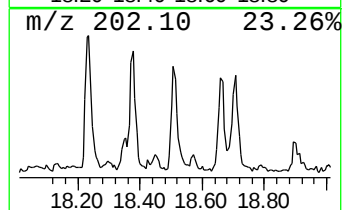
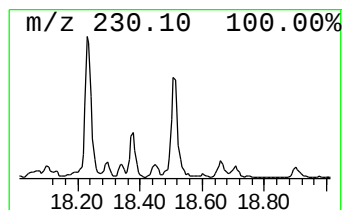
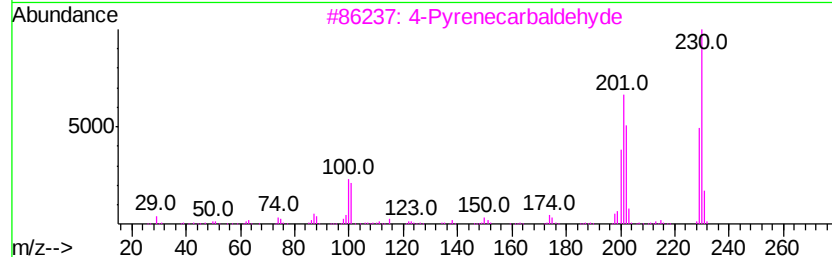
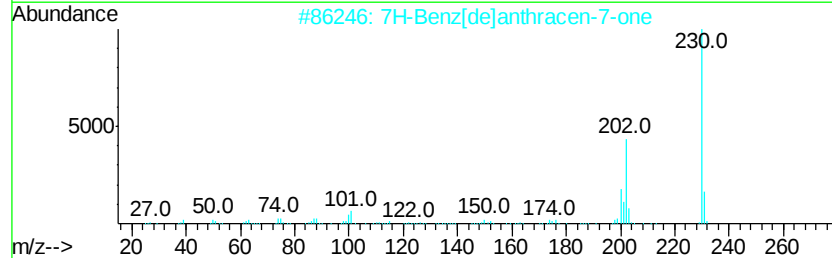
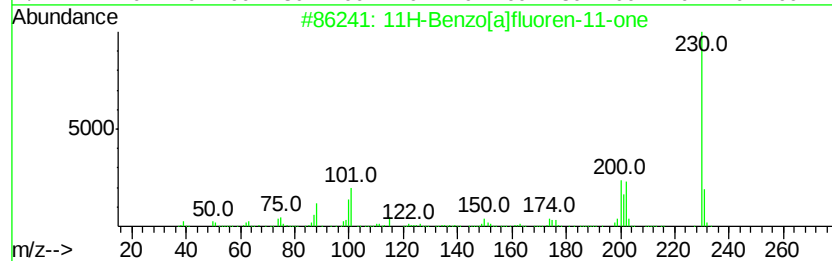
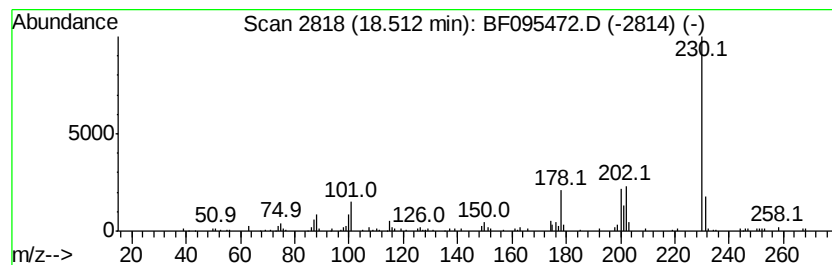
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	2.63 ng	190923	Chrysene-d12	18.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
4			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	53
5			o-Terphenyl	230	C18H14	000084-15-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
Data File : BF095472.D
Acq On : 26 May 2017 21:15
Operator : SJ/MA
Sample : I3244-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NM3-COMP-6-18

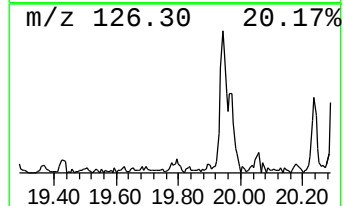
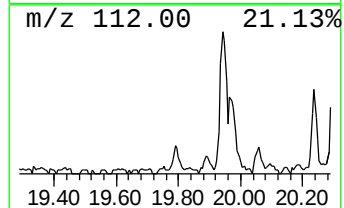
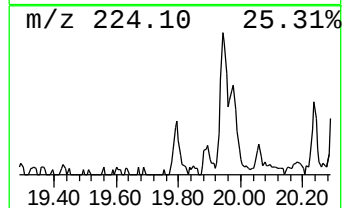
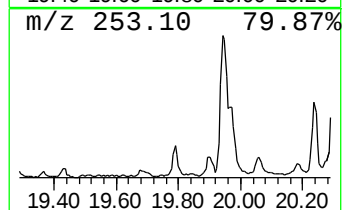
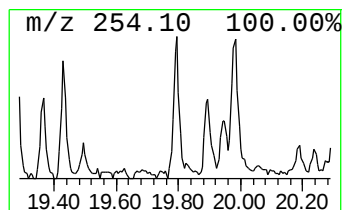
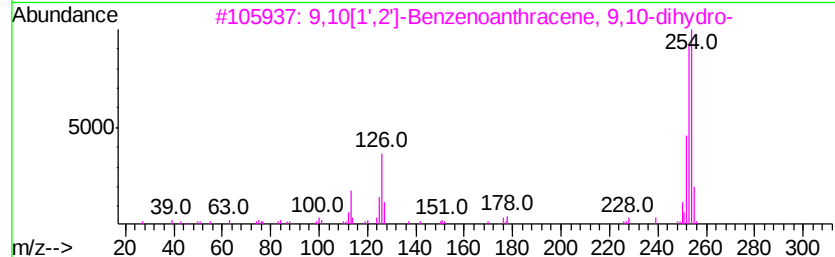
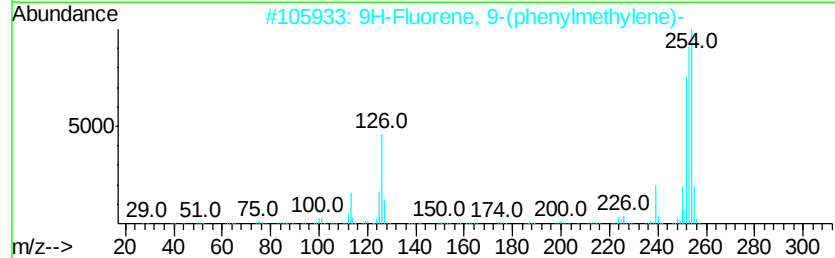
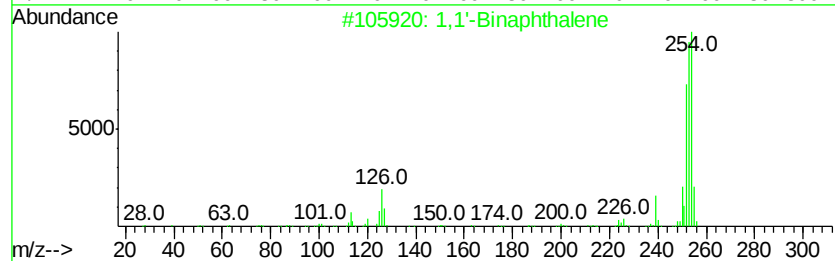
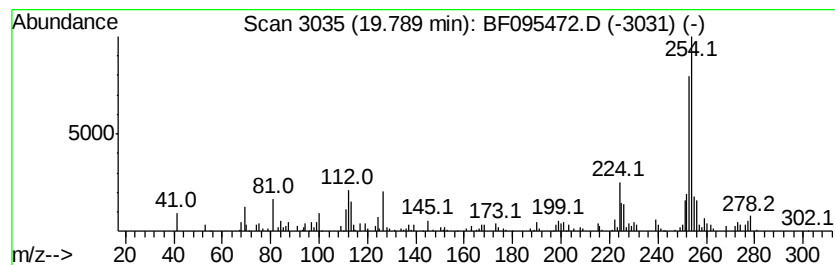
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Binaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	4.91 ng	91940	Perylene-d12	20.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
2		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
4		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	52
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052617\
 Data File : BF095472.D
 Acq On : 26 May 2017 21:15
 Operator : SJ/MA
 Sample : I3244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM3-COMP-6-18

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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...	5.10	7.8 ng		204427	1	7.74	524008	20.0
unknown7.41	7.41	82.2 ng		2154100	1	7.74	524008	20.0
Phenanthrene, 2-m...	15.78	9.4 ng		248516	4	14.99	528209	20.0
Phenanthrene, 1-m...	15.82	11.5 ng		303780	4	14.99	528209	20.0
Anthracene, 9-met...	15.89	2.9 ng		77661	4	14.99	528209	20.0
Phenanthrene, 4-m...	15.93	10.6 ng		280345	4	14.99	528209	20.0
Anthracene, 2-met...	15.97	8.9 ng		235261	4	14.99	528209	20.0
Naphthalene, 2-ph...	16.22	7.1 ng		187389	4	14.99	528209	20.0
Phenanthrene, 2,5...	16.58	7.4 ng		194910	4	14.99	528209	20.0
Cyclopenta(def)ph...	16.70	6.8 ng		178199	4	14.99	528209	20.0
Pyrene, 1-methyl-	17.51	2.7 ng		195855	5	18.67	1453020	20.0
Fluoranthene, 2-m...	17.68	4.0 ng		290667	5	18.67	1453020	20.0
11H-Benzo[a]fluor...	18.24	2.7 ng		194355	5	18.67	1453020	20.0
7H-Benz[de]anthra...	18.51	2.6 ng		190923	5	18.67	1453020	20.0
1,1'-Binaphthalene	19.79	4.9 ng		91940	6	20.35	374423	20.0