

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095202.D
 Acq On : 18 May 2017 00:24
 Operator : SJ/MA
 Sample : I3172-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

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	5.148	541	546	569	rBV	134571	364462	10.12%	0.663%
2	5.772	649	652	689	rBV	760071	2609764	72.44%	4.750%
3	7.336	914	918	933	rBV	972280	2324907	64.53%	4.232%
4	7.448	933	937	973	rVB	1645989	3372685	93.62%	6.139%
5	7.772	988	992	1002	rVB	467631	534989	14.85%	0.974%
6	8.013	1027	1033	1047	rVB	1778178	2171708	60.28%	3.953%
7	8.677	1140	1146	1162	rBV	1111822	1677391	46.56%	3.053%
8	9.789	1331	1335	1340	rBV	462973	624940	17.35%	1.137%
9	11.560	1631	1636	1651	rBV	1923741	2394770	66.47%	4.359%
10	12.254	1750	1754	1766	rBV	194626	313530	8.70%	0.571%
11	12.395	1774	1778	1786	rBV	52321	77639	2.16%	0.141%
12	12.618	1811	1816	1822	rBV2	506180	668690	18.56%	1.217%
13	12.671	1822	1825	1831	rVB	116252	149921	4.16%	0.273%
14	12.971	1873	1876	1884	rBV3	42393	86814	2.41%	0.158%
15	13.518	1963	1969	1978	rVB2	138990	189384	5.26%	0.345%
16	13.789	2011	2015	2019	rBV2	97807	133142	3.70%	0.242%
17	13.918	2032	2037	2047	rBV2	981835	1476892	41.00%	2.688%
18	14.418	2115	2122	2125	rBV2	55143	97101	2.70%	0.177%
19	14.642	2155	2160	2164	rVV3	100428	162415	4.51%	0.296%
20	14.748	2175	2178	2185	rVV3	61270	101490	2.82%	0.185%
21	14.818	2185	2190	2194	rVV3	100208	183086	5.08%	0.333%
22	14.859	2194	2197	2201	rVV	100247	125290	3.48%	0.228%
23	15.024	2218	2225	2227	rBV	477684	581780	16.15%	1.059%
24	15.065	2227	2232	2238	rVV	1679115	2113026	58.65%	3.846%
25	15.142	2241	2245	2255	rVB	546773	726202	20.16%	1.322%
26	15.236	2255	2261	2265	rBV2	60800	90855	2.52%	0.165%
27	15.459	2293	2299	2304	rVV3	57290	153160	4.25%	0.279%
28	15.506	2304	2307	2310	rVV	88105	100941	2.80%	0.184%
29	15.801	2353	2357	2361	rBV	333770	366456	10.17%	0.667%
30	15.842	2361	2364	2372	rVB	464272	508606	14.12%	0.926%
31	15.912	2372	2376	2379	rBV	218616	245660	6.82%	0.447%
32	15.953	2379	2383	2386	rVV2	460717	628306	17.44%	1.144%
33	15.989	2386	2389	2403	rVB3	296194	506608	14.06%	0.922%
34	16.242	2428	2432	2438	rVV	227804	271021	7.52%	0.493%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
 Data File : BF095202.D
 Acq On : 18 May 2017 00:24
 Operator : SJ/MA
 Sample : I3172-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

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	16.295	2438	2441	2446	rVV2	78531	116916	3.25%	0.213%
36	16.448	2464	2467	2471	rBV2	79692	98657	2.74%	0.180%
37	16.495	2472	2475	2479	rVV	76089	92992	2.58%	0.169%
38	16.595	2488	2492	2496	rBV	217084	284982	7.91%	0.519%
39	16.642	2496	2500	2504	rVV2	106448	175694	4.88%	0.320%
40	16.718	2509	2513	2520	rBV2	230425	304625	8.46%	0.554%
41	16.812	2522	2529	2532	rBV	2844137	3580150	99.38%	6.516%
42	16.836	2532	2533	2539	rVB2	88295	105823	2.94%	0.193%
43	16.900	2539	2544	2547	rBV3	97132	146310	4.06%	0.266%
44	17.000	2557	2561	2565	rBV2	122067	171400	4.76%	0.312%
45	17.112	2574	2580	2584	rVV2	2442431	3602581	100.00%	6.557%
46	17.189	2588	2593	2596	rVV2	124154	167250	4.64%	0.304%
47	17.289	2607	2610	2614	rBV	203416	241636	6.71%	0.440%
48	17.342	2614	2619	2626	rVB	1493410	1771040	49.16%	3.224%
49	17.400	2626	2629	2630	rBV	92949	94484	2.62%	0.172%
50	17.424	2630	2633	2640	rVB2	177553	270152	7.50%	0.492%
51	17.536	2645	2652	2654	rBV3	180946	312335	8.67%	0.568%
52	17.565	2654	2657	2663	rVB	331222	405034	11.24%	0.737%
53	17.653	2668	2672	2676	rVB2	189460	204762	5.68%	0.373%
54	17.700	2676	2680	2687	rBV2	353690	585049	16.24%	1.065%
55	17.818	2696	2700	2703	rVB	155095	175398	4.87%	0.319%
56	17.853	2703	2706	2711	rVV	125856	162638	4.51%	0.296%
57	17.995	2727	2730	2735	rVB3	60288	76858	2.13%	0.140%
58	18.083	2738	2745	2747	rBV4	55849	122584	3.40%	0.223%
59	18.247	2770	2773	2777	rVV	220840	246478	6.84%	0.449%
60	18.365	2789	2793	2796	rBV	196031	257685	7.15%	0.469%
61	18.400	2796	2799	2802	rVV2	262971	308033	8.55%	0.561%
62	18.430	2802	2804	2807	rVV	196741	204687	5.68%	0.373%
63	18.465	2807	2810	2814	rVB2	137857	170792	4.74%	0.311%
64	18.524	2816	2820	2826	rVV2	172883	196867	5.46%	0.358%
65	18.589	2828	2831	2836	rVB	95953	113612	3.15%	0.207%
66	18.683	2842	2847	2851	rBV2	1308260	2062218	57.24%	3.754%
67	18.730	2851	2855	2863	rVV	1287054	1634400	45.37%	2.975%
68	18.824	2866	2871	2874	rVB2	164802	185605	5.15%	0.338%
69	18.906	2880	2885	2886	rBV3	60695	88840	2.47%	0.162%
70	18.971	2893	2896	2900	rVV	119767	139891	3.88%	0.255%
71	19.012	2900	2903	2909	rVB4	101819	148227	4.11%	0.270%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095202.D
 Acq On : 18 May 2017 00:24
 Operator : SJ/MA
 Sample : I3172-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

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	19.147	2923	2926	2929	rBV	63216	77799	2.16%	0.142%
73	19.194	2930	2934	2938	rVV	284294	379959	10.55%	0.692%
74	19.236	2938	2941	2946	rVV2	144461	175515	4.87%	0.319%
75	19.312	2950	2954	2957	rVV2	118657	190564	5.29%	0.347%
76	19.347	2957	2960	2962	rVV3	122175	156826	4.35%	0.285%
77	19.377	2962	2965	2968	rVV3	107699	158986	4.41%	0.289%
78	19.447	2974	2977	2984	rVB3	67133	98632	2.74%	0.180%
79	19.618	3003	3006	3008	rBV	78211	89444	2.48%	0.163%
80	19.800	3033	3037	3042	rBV2	169915	220768	6.13%	0.402%
81	19.912	3051	3056	3060	rBV3	54937	86879	2.41%	0.158%
82	19.965	3060	3065	3067	rBV	1198362	1674448	46.48%	3.048%
83	19.988	3067	3069	3075	rVB	663336	703522	19.53%	1.281%
84	20.071	3080	3083	3086	rBV	209117	221958	6.16%	0.404%
85	20.253	3109	3114	3120	rBV	780289	905435	25.13%	1.648%
86	20.312	3120	3124	3130	rVV	1052858	1177296	32.68%	2.143%
87	20.371	3130	3134	3136	rVV	344400	390018	10.83%	0.710%
88	20.400	3136	3139	3147	rVB2	242062	334423	9.28%	0.609%
89	20.824	3208	3211	3218	rBV4	58292	102384	2.84%	0.186%
90	21.383	3302	3306	3311	rVV4	49010	77516	2.15%	0.141%
91	21.441	3312	3316	3320	rVB3	55466	91778	2.55%	0.167%
92	21.524	3326	3330	3333	rBV2	67085	101562	2.82%	0.185%
93	21.565	3333	3337	3342	rVB	47690	76096	2.11%	0.139%
94	21.700	3354	3360	3368	rBV	424943	826973	22.96%	1.505%
95	21.765	3368	3371	3378	rVB3	54176	100525	2.79%	0.183%
96	21.853	3380	3386	3390	rBV	100322	186810	5.19%	0.340%
97	21.900	3390	3394	3401	rVB2	86815	177524	4.93%	0.323%
98	22.088	3419	3426	3436	rBV	306331	631733	17.54%	1.150%
99	22.318	3461	3465	3478	rVB2	61893	175062	4.86%	0.319%
100	24.065	3754	3762	3773	rBV2	62042	189893	5.27%	0.346%

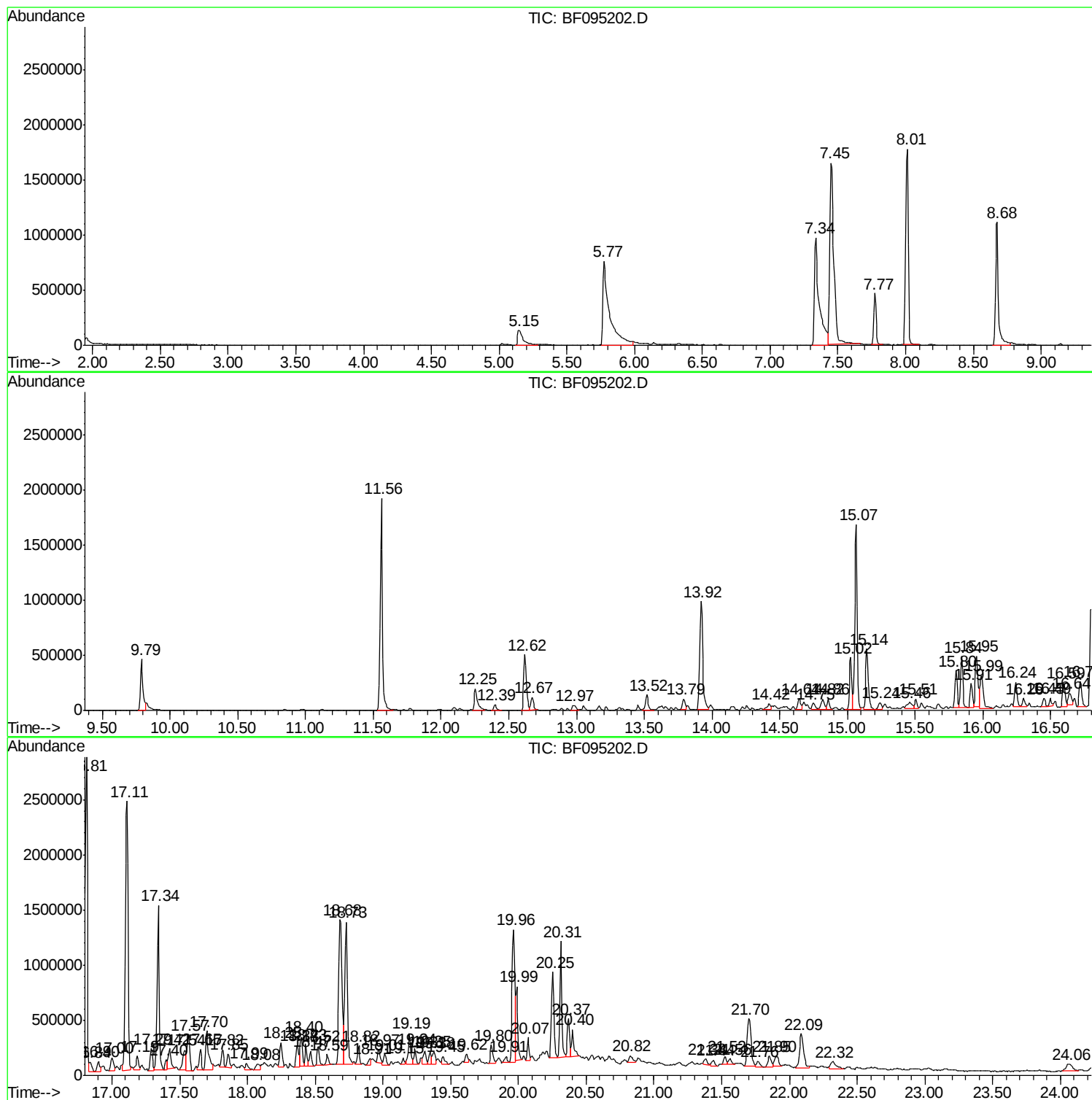
Sum of corrected areas: 54940644

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SS-03

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\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SS-03

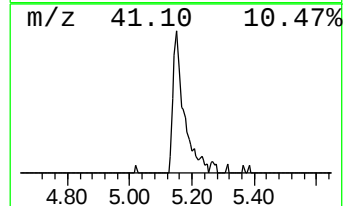
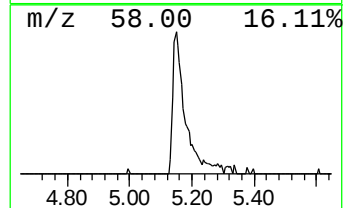
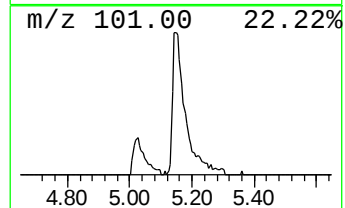
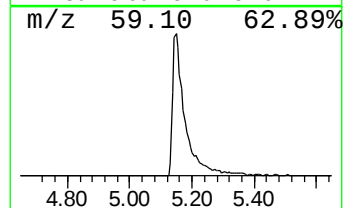
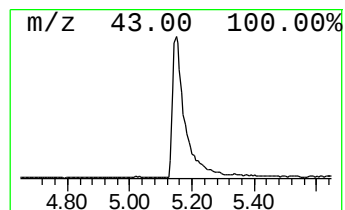
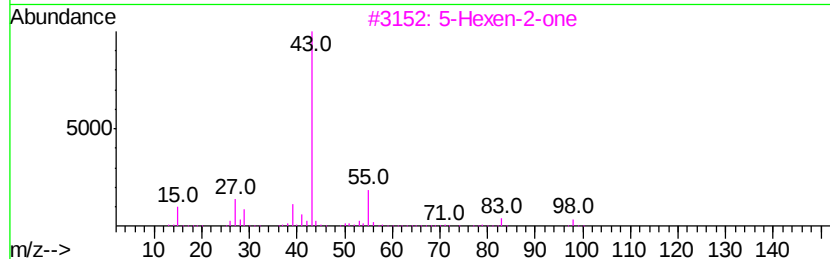
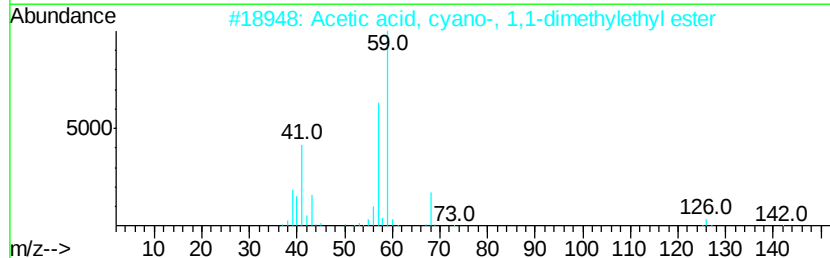
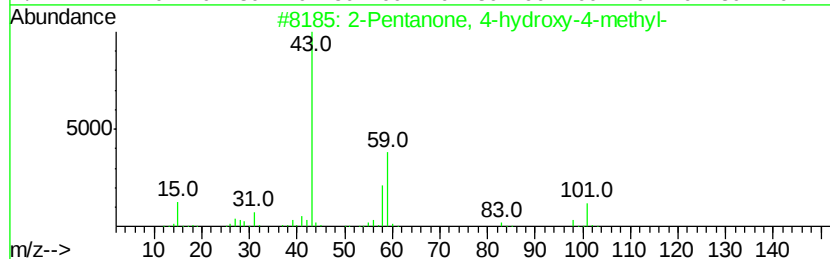
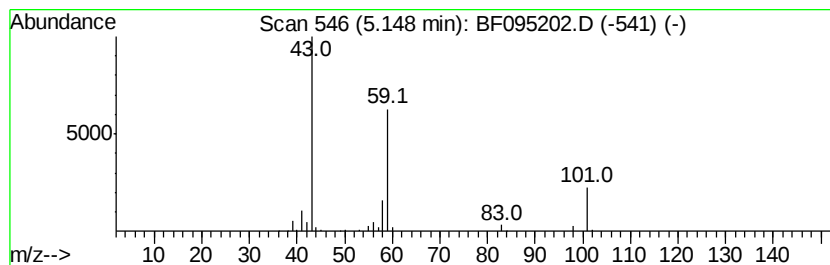
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	13.63 ng	364462	1,4-Dichlorobenzene-d4	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Hexanamide	115	C6H13NO	000628-02-4	9
5		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

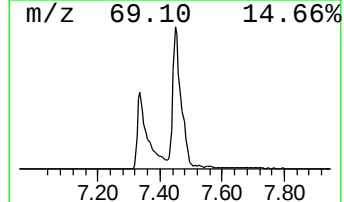
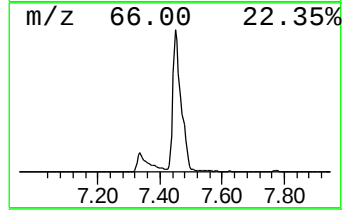
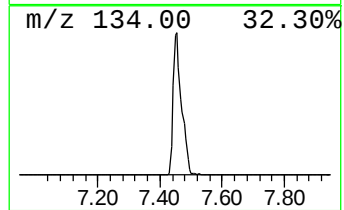
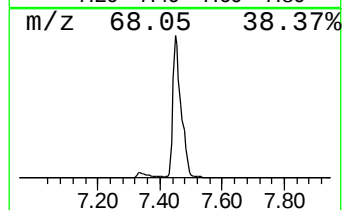
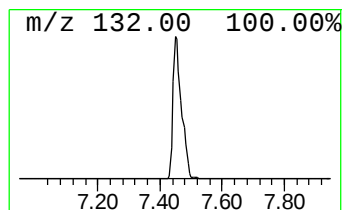
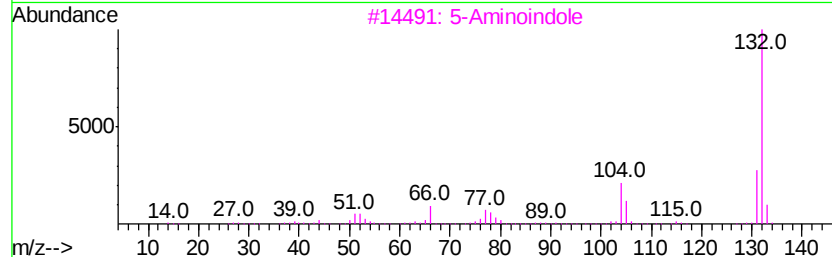
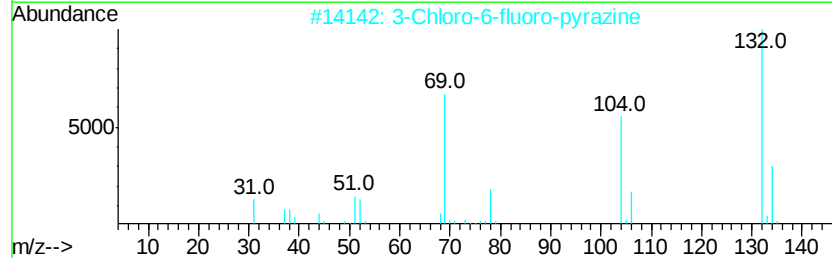
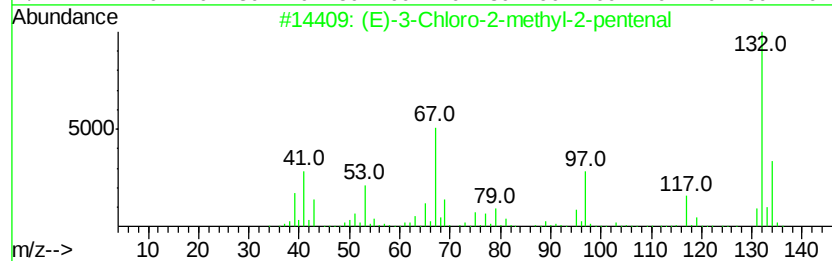
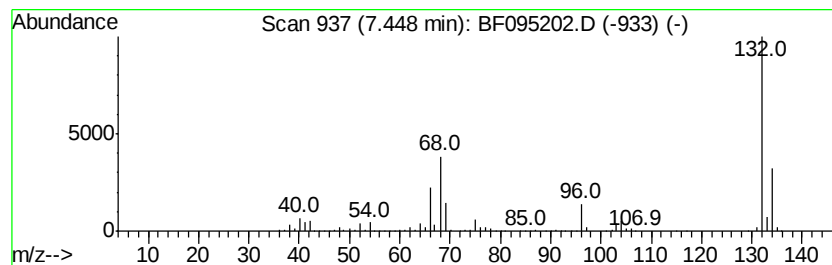
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	126.08 ng	3372690	1,4-Dichlorobenzene-d4	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

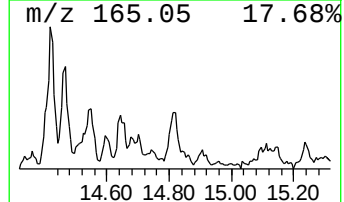
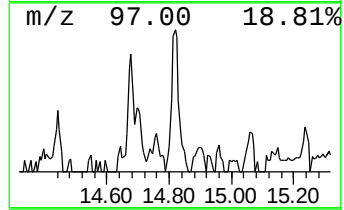
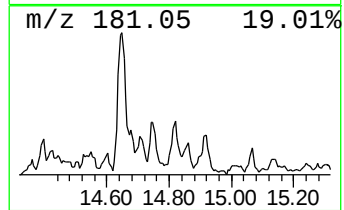
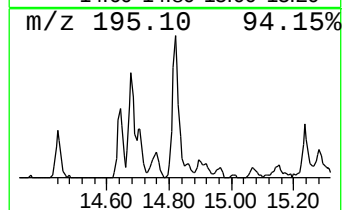
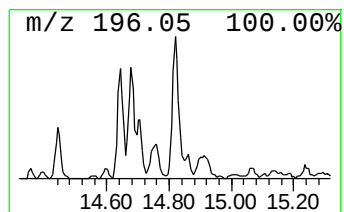
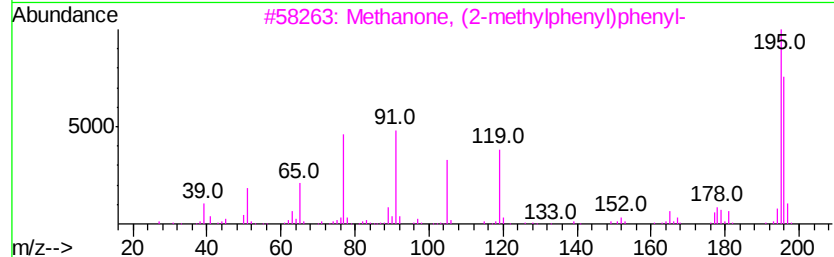
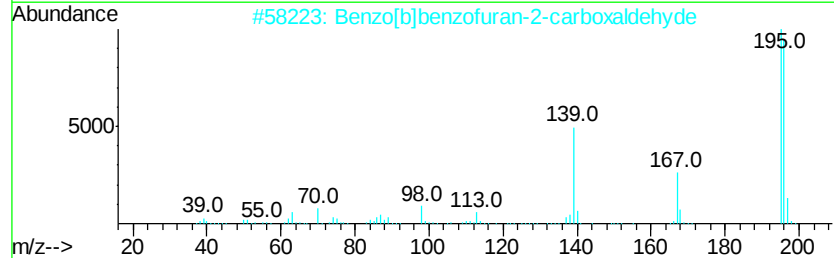
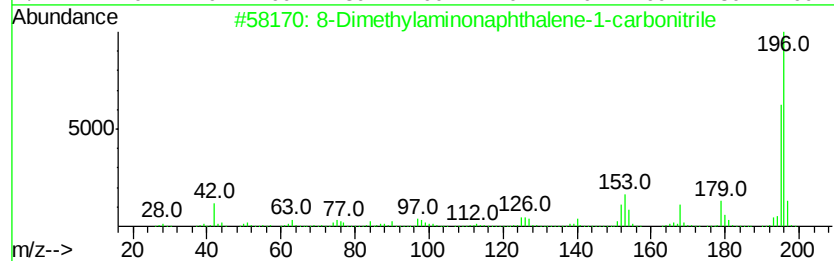
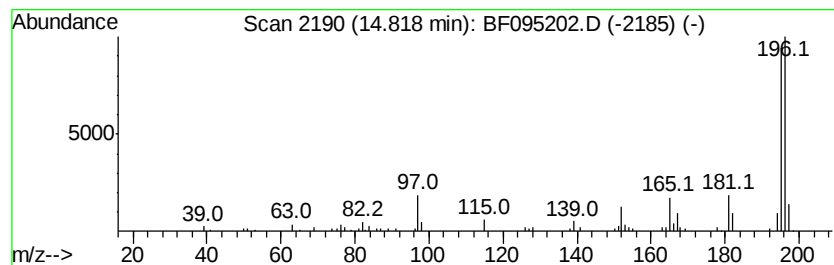
Instrument :
BNA_F
ClientSampleId :
SS-03

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 8-Dimethylaminonaphthalene-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.82	6.29 ng	183086	Phenanthrene-d10	15.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Benzo[blbenzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	58
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

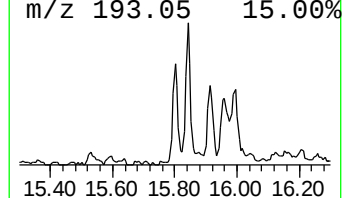
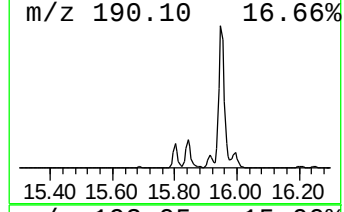
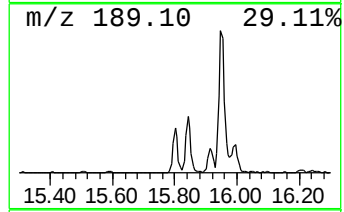
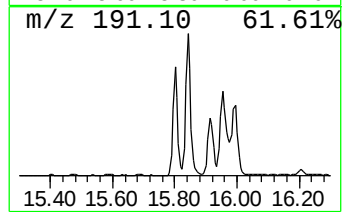
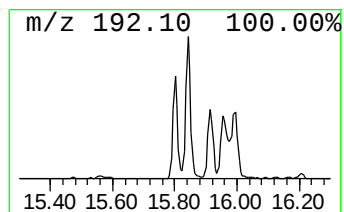
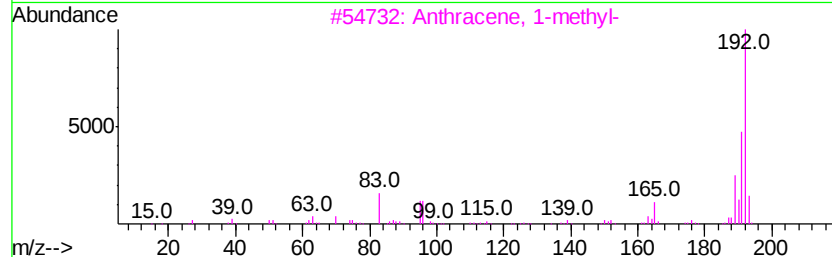
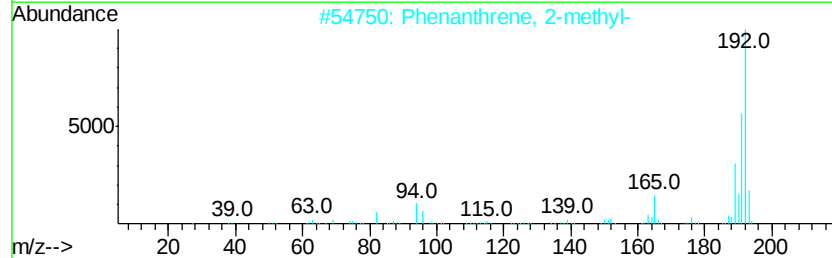
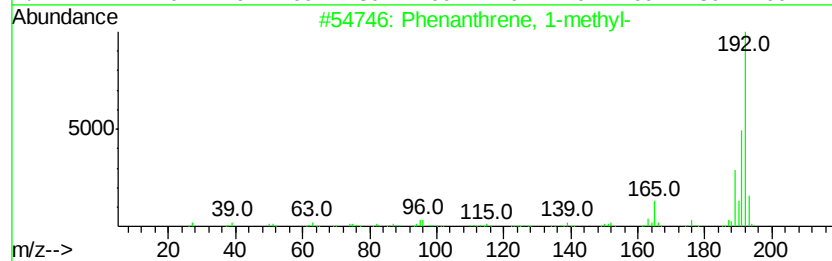
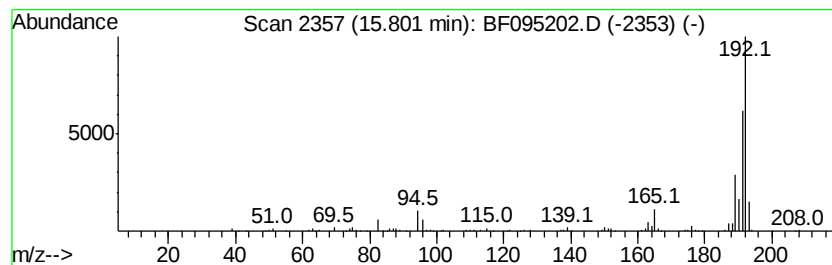
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	12.60 ng	366456	Phenanthrene-d10	15.02

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

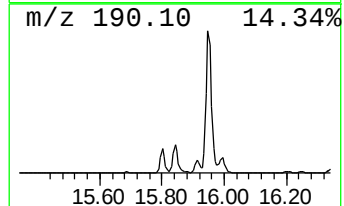
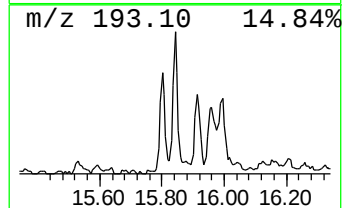
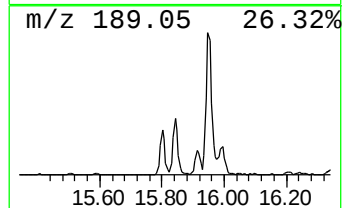
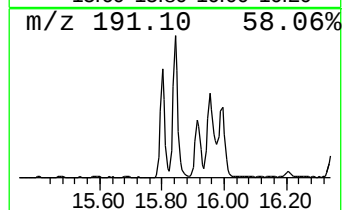
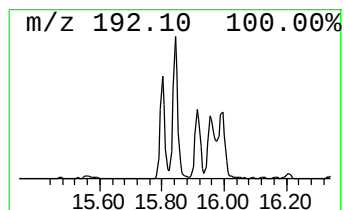
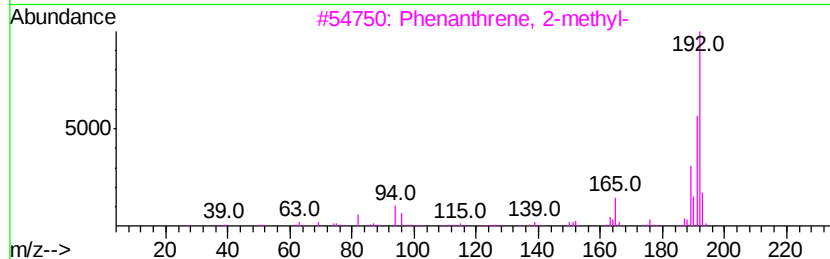
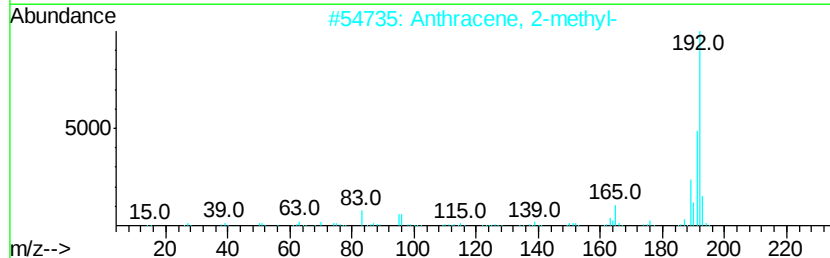
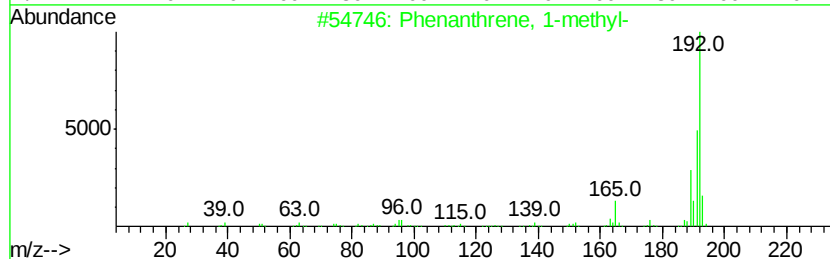
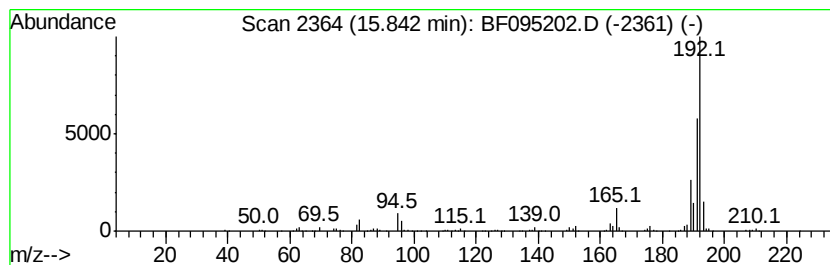
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	17.48 ng	508606	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

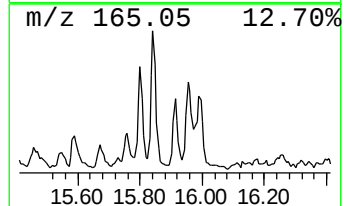
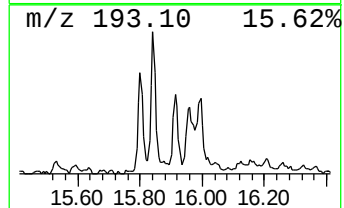
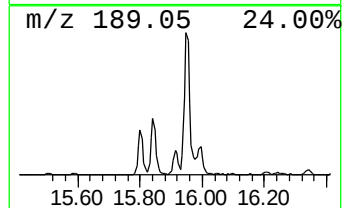
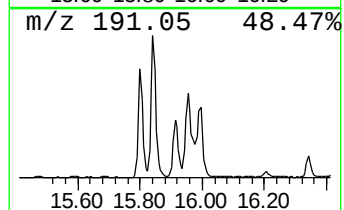
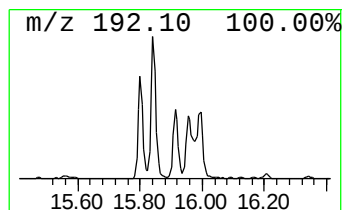
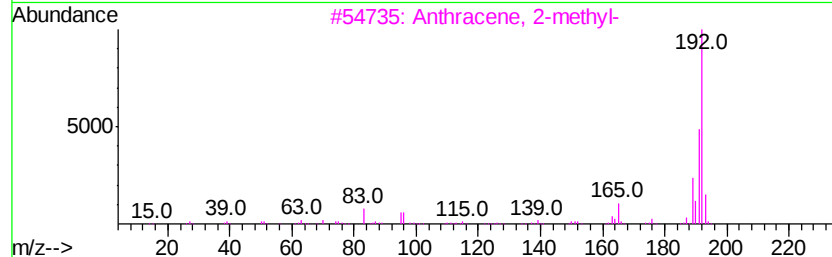
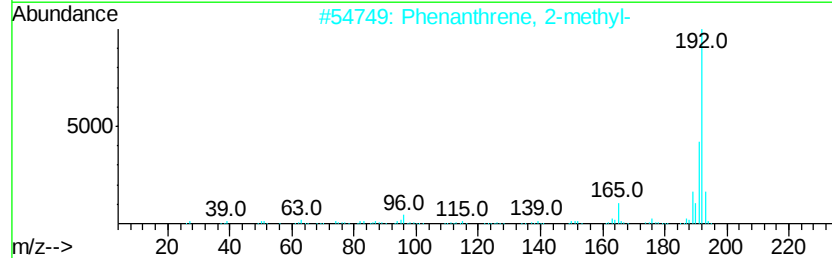
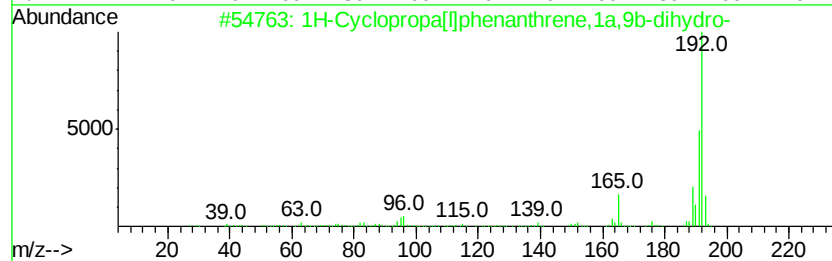
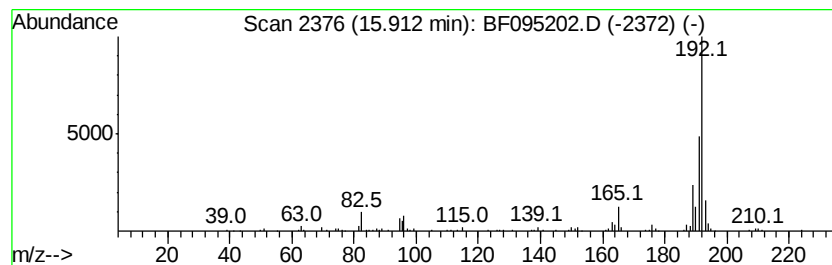
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	8.45 ng	245660	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

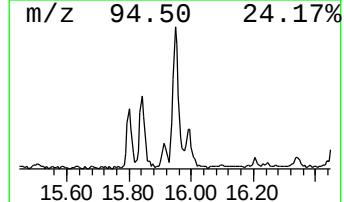
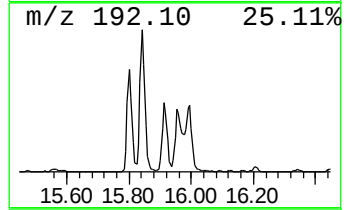
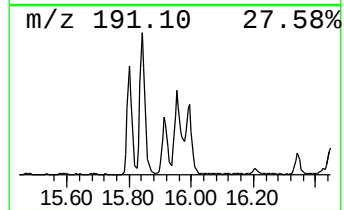
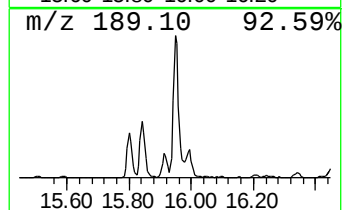
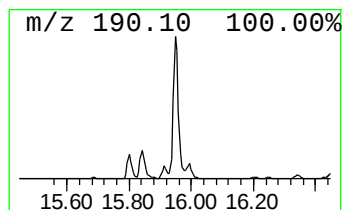
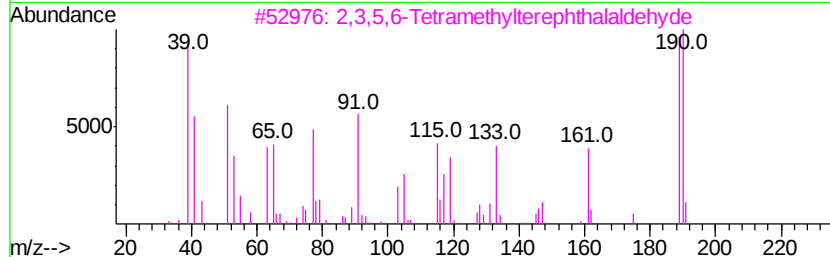
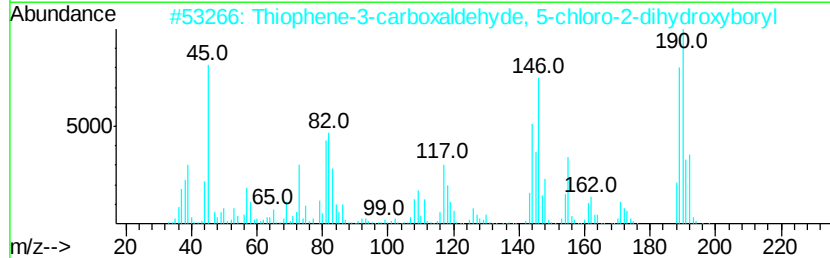
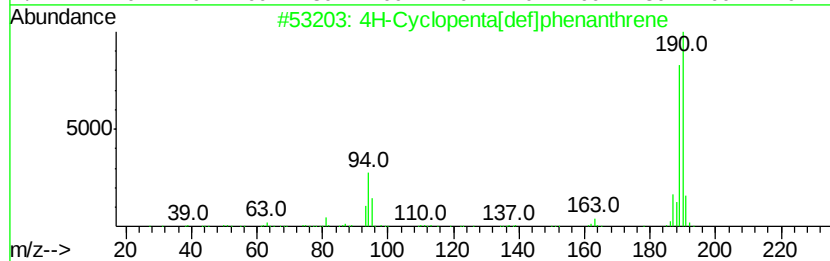
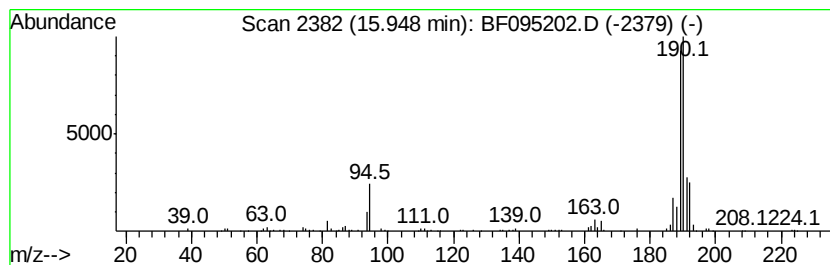
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	21.60 ng	628306	Phenanthrene-d10	15.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	40
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

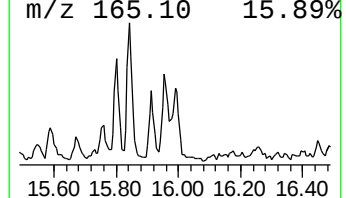
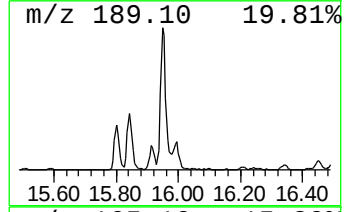
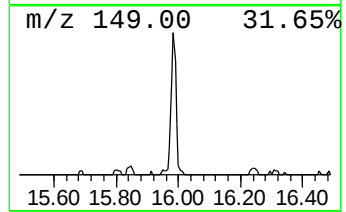
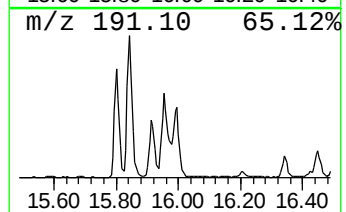
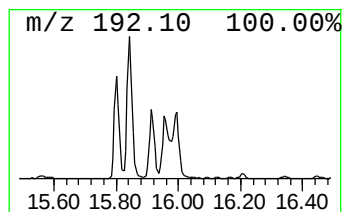
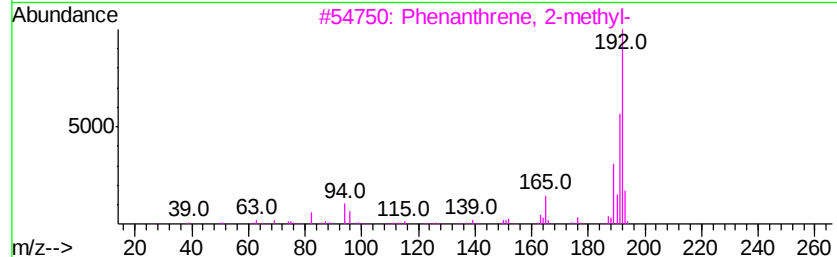
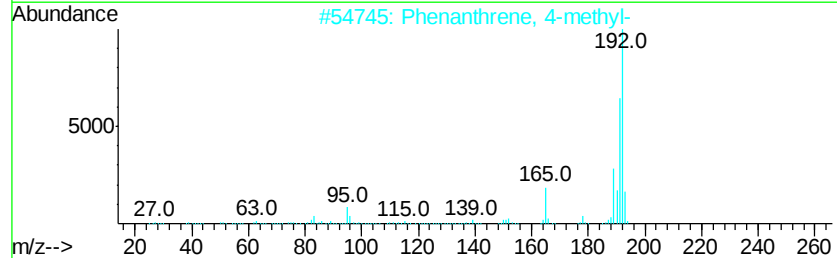
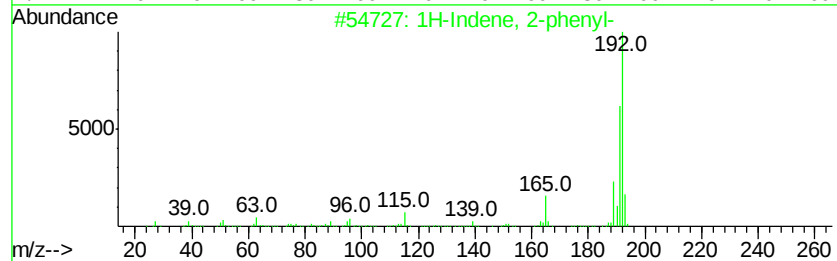
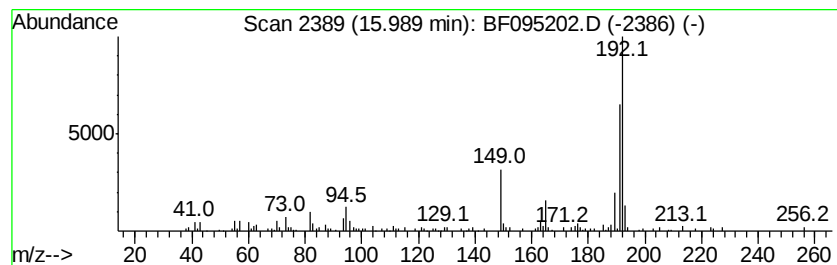
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	17.42 ng	506608	Phenanthrene-d10	15.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

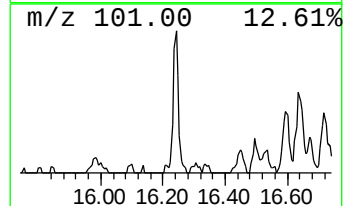
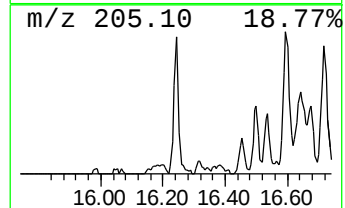
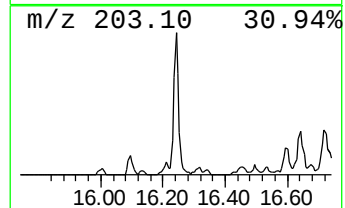
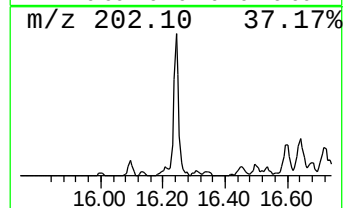
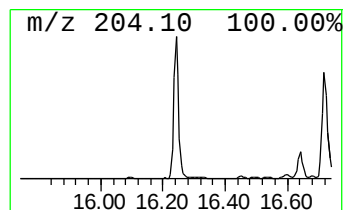
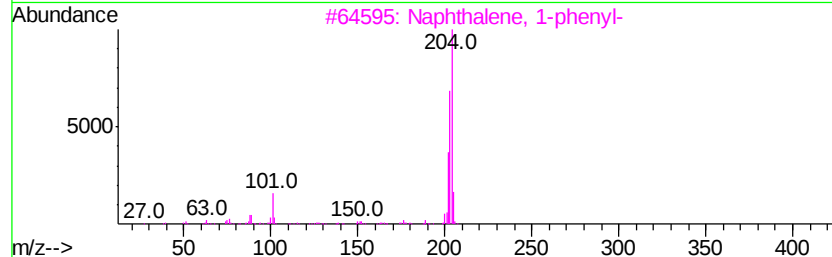
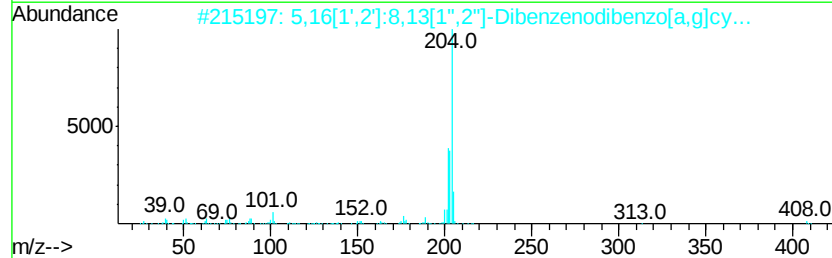
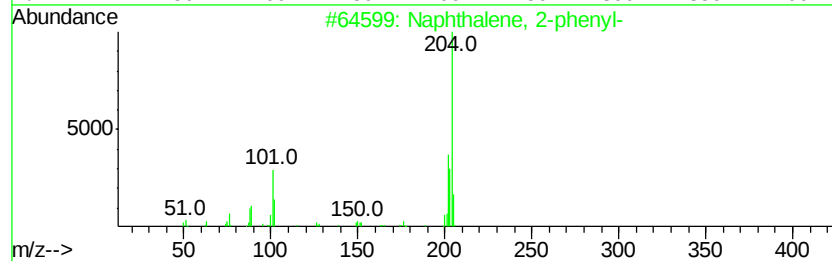
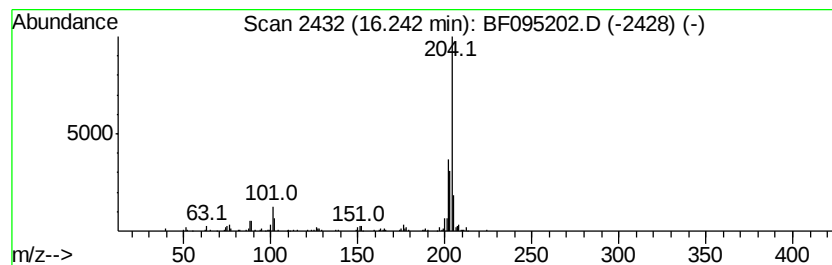
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	9.32 ng	271021	Phenanthrene-d10	15.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

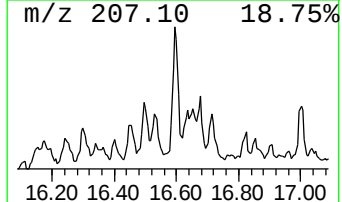
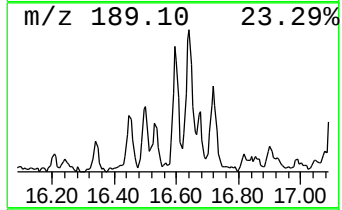
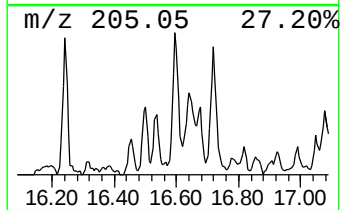
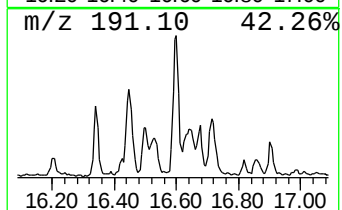
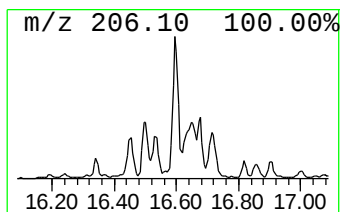
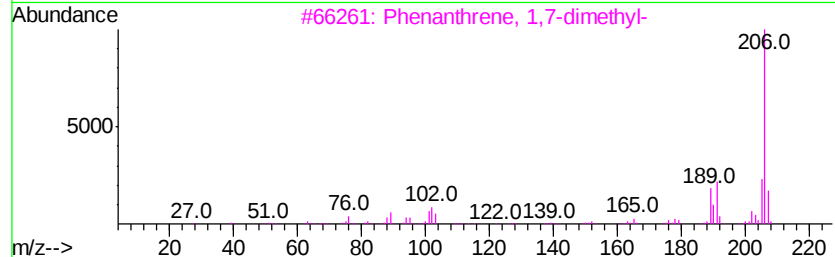
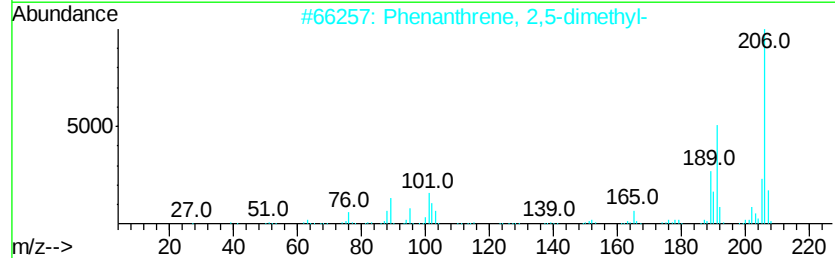
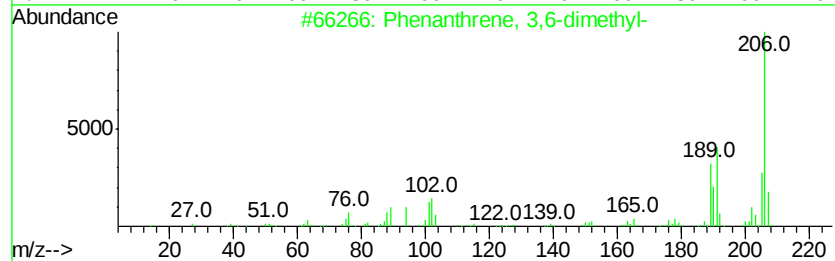
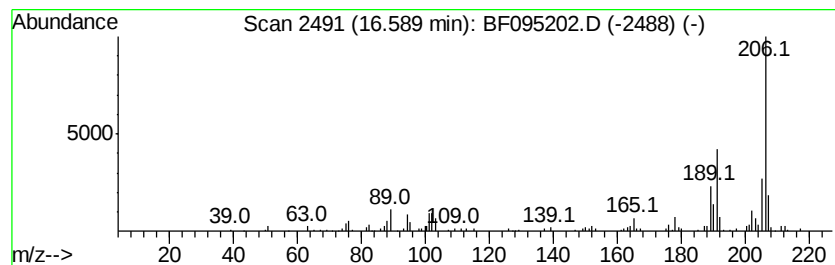
Instrument :
BNA_F
ClientSampleId :
SS-03

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 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.59	9.80 ng	284982	Phenanthrene-d10		15.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

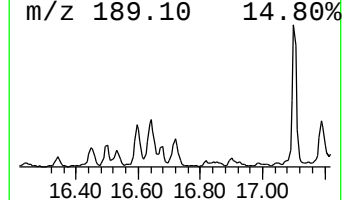
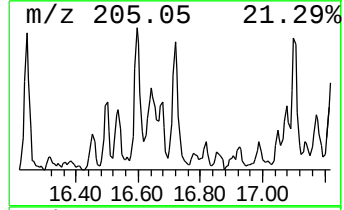
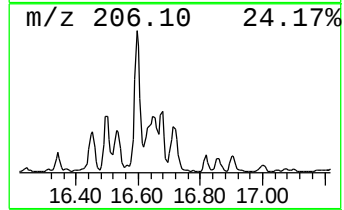
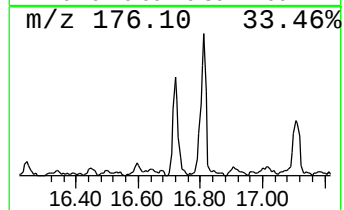
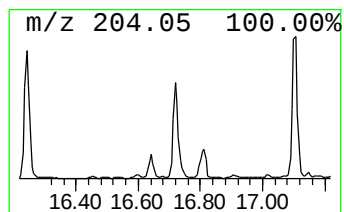
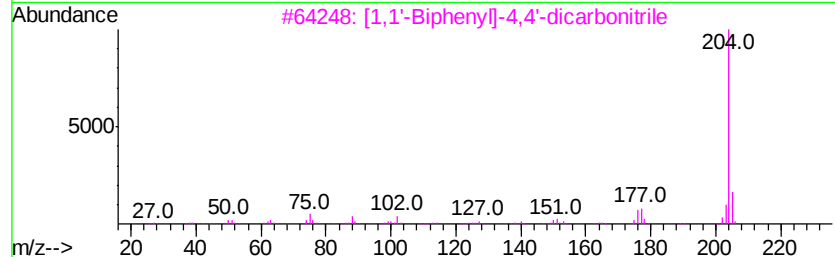
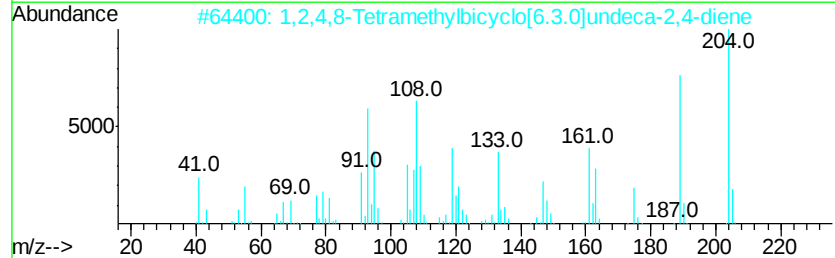
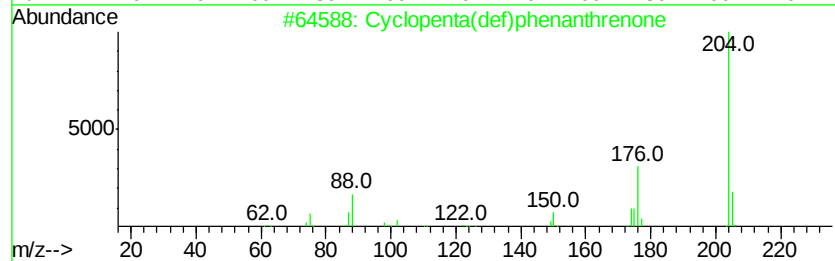
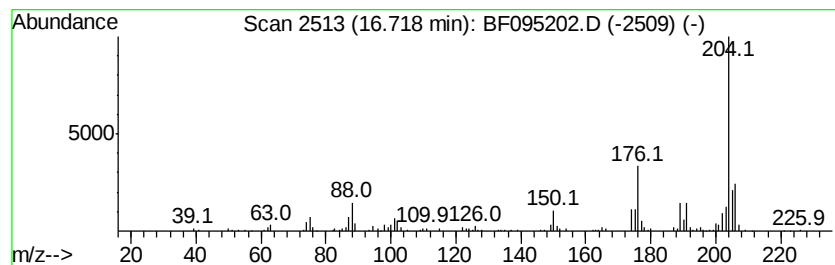
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	10.47 ng	304625	Phenanthrene-d10	15.02

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	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	47
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

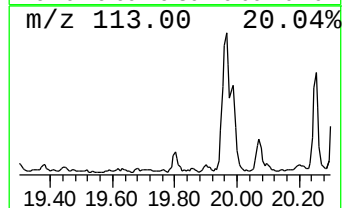
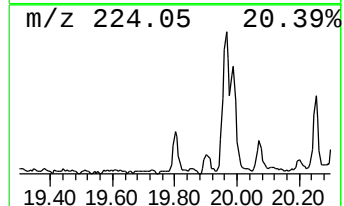
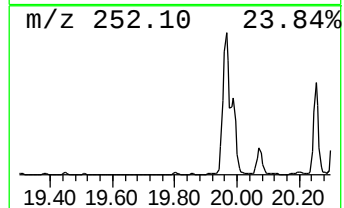
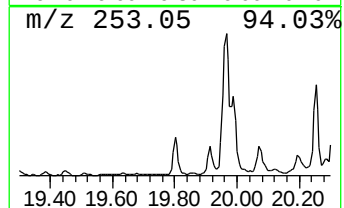
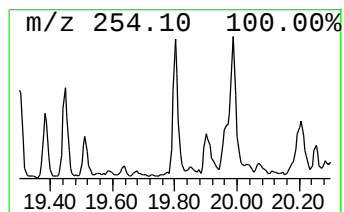
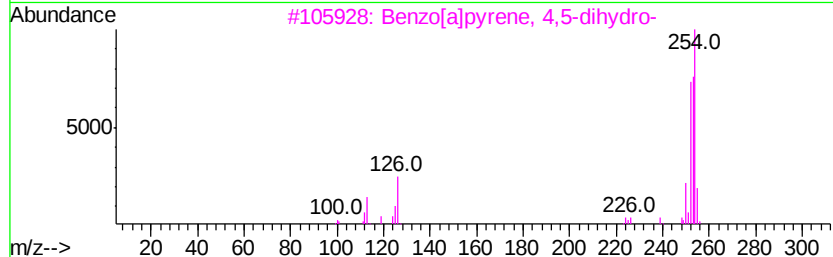
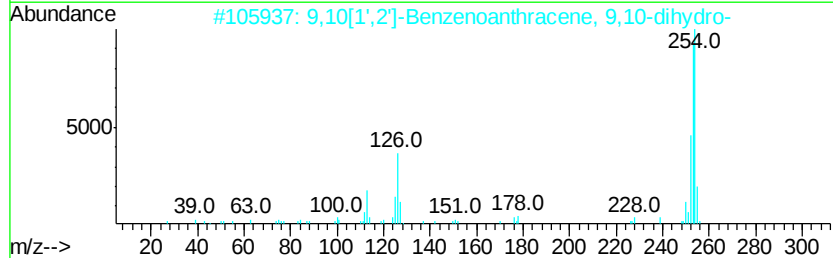
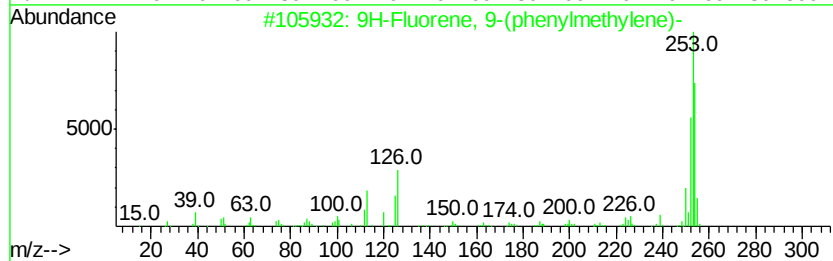
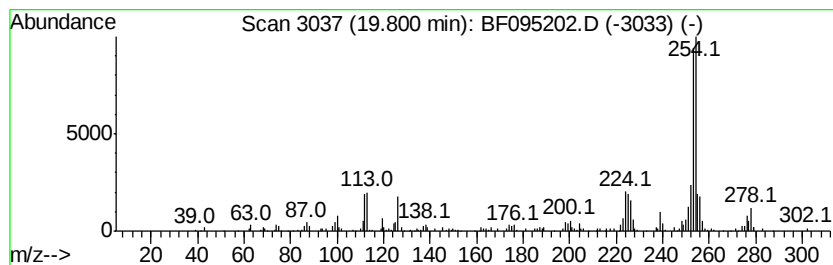
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	11.32 ng	220768	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylenyl)-	254	C20H14	001836-87-9	76
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	68
4		1,1'-Binaphthalene	254	C20H14	000604-53-5	64
5		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

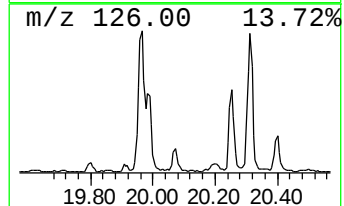
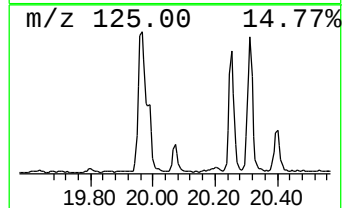
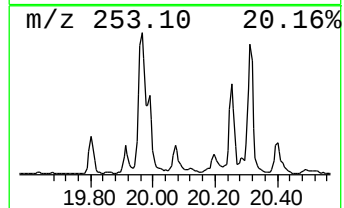
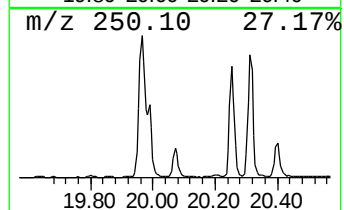
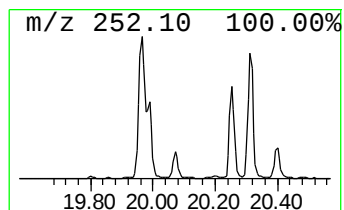
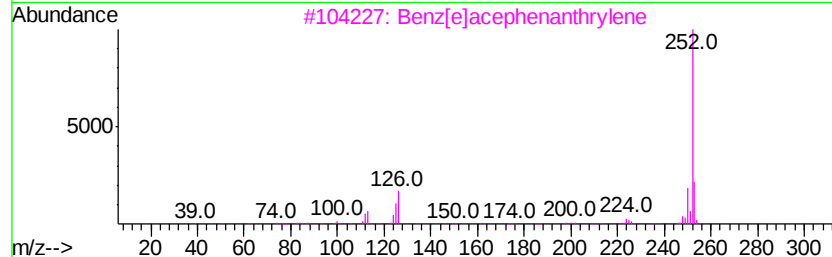
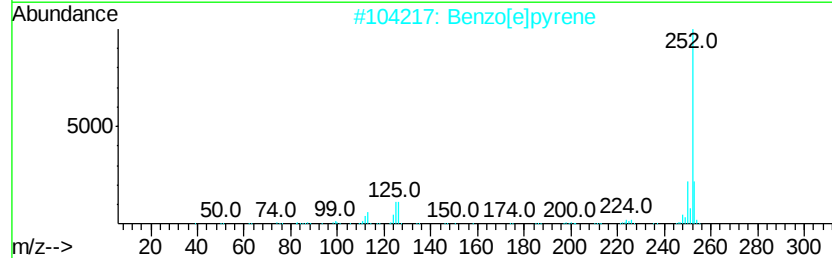
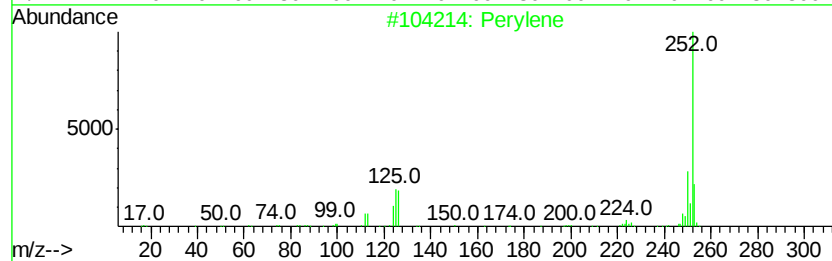
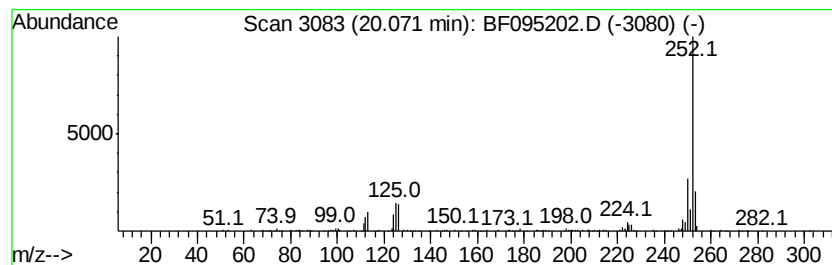
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	11.38 ng	221958	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

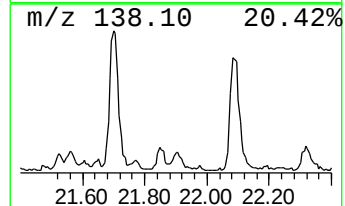
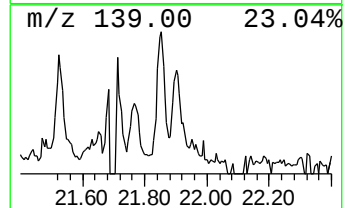
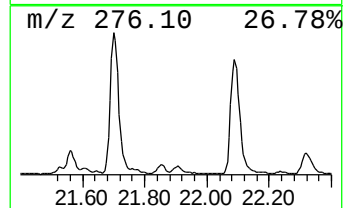
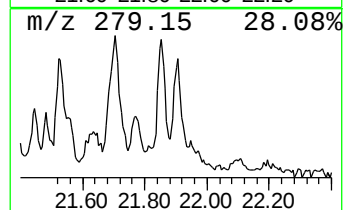
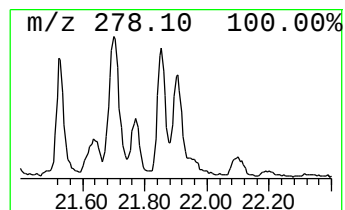
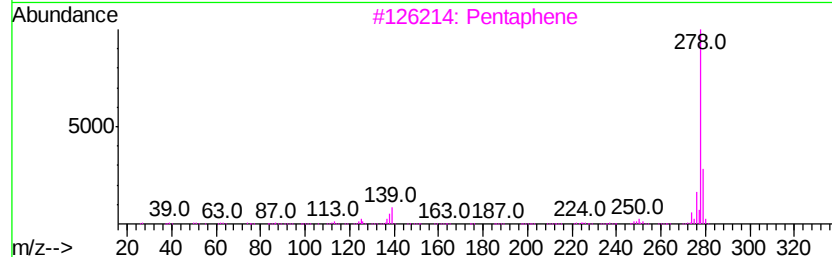
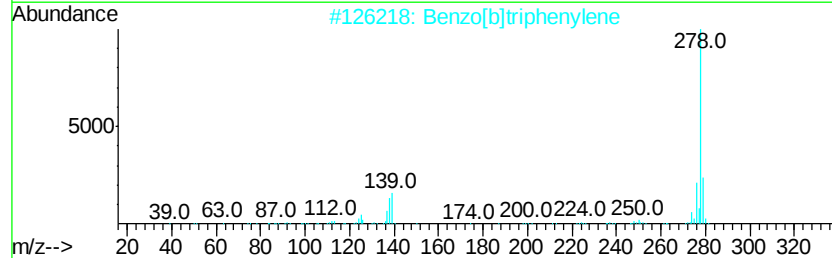
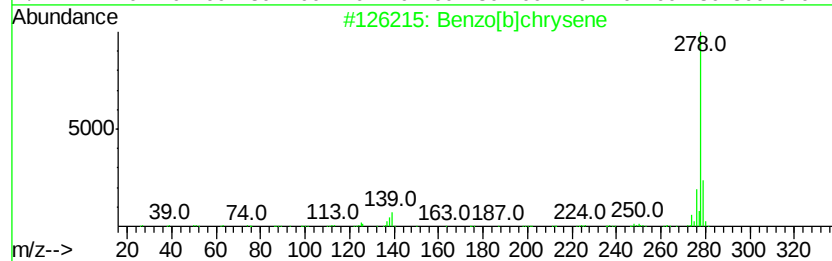
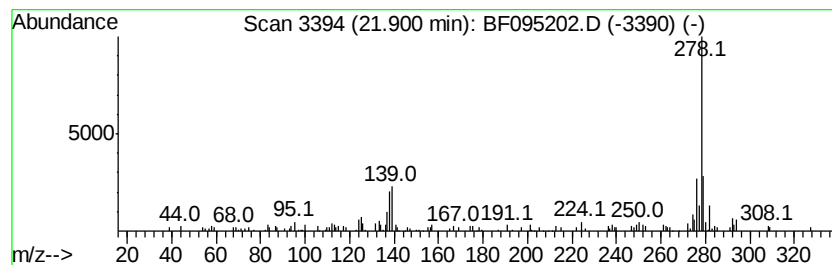
Instrument :
BNA_F
ClientSampleId :
SS-03

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 Benzo[b]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.90	9.10 ng	177524	Perylene-d12	20.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[b]chrysene	278 C22H14	000214-17-5 95
2		Benzo[b]triphenylene	278 C22H14	000215-58-7 95
3		Pentaphene	278 C22H14	000222-93-5 95
4		Dibenz[a,h]anthracene	278 C22H14	000053-70-3 94
5		Picene	278 C22H14	000213-46-7 94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095202.D
Acq On : 18 May 2017 00:24
Operator : SJ/MA
Sample : I3172-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-03

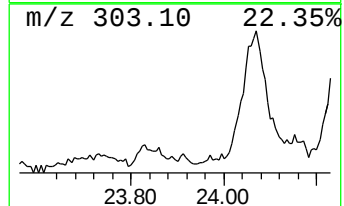
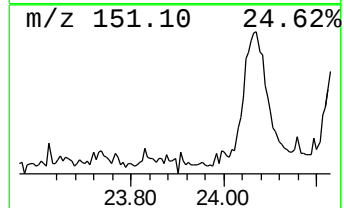
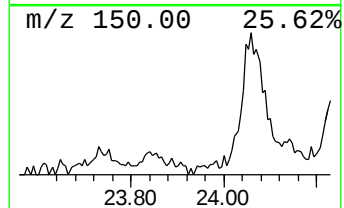
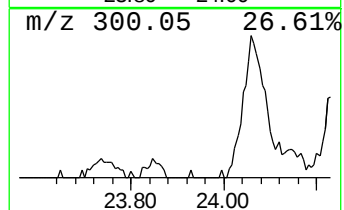
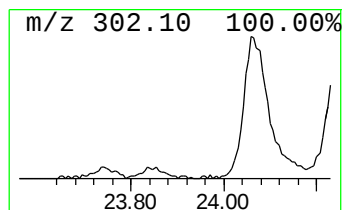
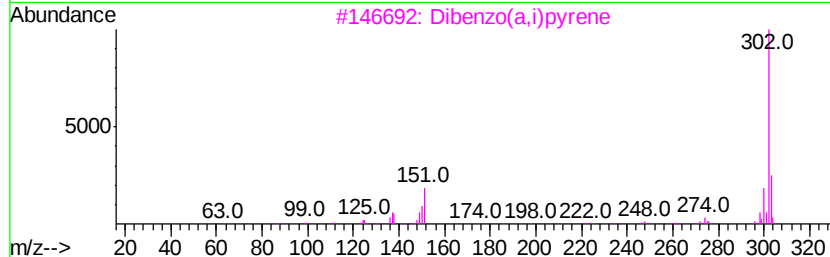
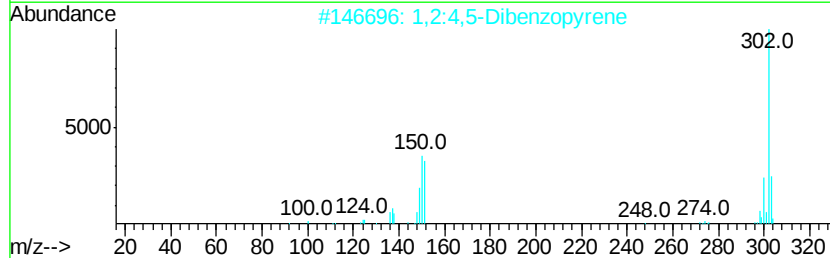
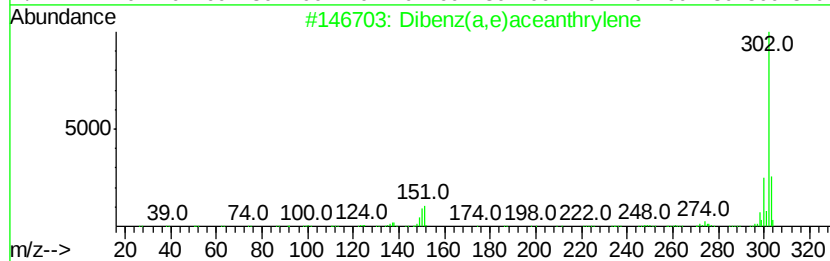
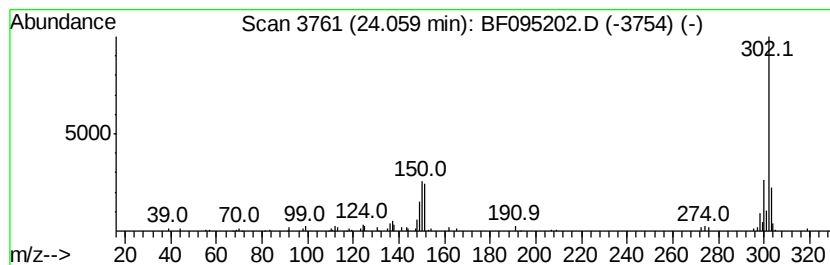
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	9.74 ng	189893	Perylene-d12	20.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	96
4		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
 Data File : BF095202.D
 Acq On : 18 May 2017 00:24
 Operator : SJ/MA
 Sample : I3172-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03

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...	5.15	13.6	ng	364462	1	7.77	534989	20.0
unknown7.45	7.45	126.1	ng	3372690	1	7.77	534989	20.0
8-Dimethylaminona...	14.82	6.3	ng	183086	4	15.02	581780	20.0
Phenanthrene, 1-m...	15.80	12.6	ng	366456	4	15.02	581780	20.0
Anthracene, 2-met...	15.84	17.5	ng	508606	4	15.02	581780	20.0
1H-Cyclopropa[l]p...	15.91	8.4	ng	245660	4	15.02	581780	20.0
4H-Cyclopenta[def...	15.95	21.6	ng	628306	4	15.02	581780	20.0
1H-Indene, 2-phenyl-	15.99	17.4	ng	506608	4	15.02	581780	20.0
Naphthalene, 2-ph...	16.24	9.3	ng	271021	4	15.02	581780	20.0
Phenanthrene, 3,6...	16.59	9.8	ng	284982	4	15.02	581780	20.0
Cyclopenta(def)ph...	16.72	10.5	ng	304625	4	15.02	581780	20.0
9H-Fluorene, 9-(p...	19.80	11.3	ng	220768	6	20.37	390018	20.0
Perylene	20.07	11.4	ng	221958	6	20.37	390018	20.0
Benzo[b]chrysene	21.90	9.1	ng	177524	6	20.37	390018	20.0
Dibenz(a,e)aceant...	24.06	9.7	ng	189893	6	20.37	390018	20.0