

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
 Data File : BM020207.D
 Acq On : 08 May 2019 22:36
 Operator : JU/SJ
 Sample : K2643-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-050719-A

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.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	5.363	398	404	411	rBV	462069	690157	18.92%	1.846%
2	6.951	665	674	683	rBV	427876	732058	20.07%	1.958%
3	7.316	729	736	743	rBV	472735	766450	21.01%	2.050%
4	7.787	809	816	825	rBV	661119	1050622	28.80%	2.810%
5	8.104	863	870	875	rBV	360924	586667	16.08%	1.569%
6	8.151	875	878	883	rVB	27422	39984	1.10%	0.107%
7	8.951	1007	1014	1025	rBV	256900	463301	12.70%	1.239%
8	9.969	1179	1187	1192	rBV2	19727	38660	1.06%	0.103%
9	10.581	1283	1291	1296	rBV	786257	1308395	35.87%	3.500%
10	10.628	1296	1299	1309	rVB	239800	395741	10.85%	1.058%
11	12.245	1568	1574	1582	rBV	246414	397191	10.89%	1.062%
12	12.463	1603	1611	1618	rVB	307569	496022	13.60%	1.327%
13	13.045	1704	1710	1716	rBV	609802	895363	24.55%	2.395%
14	13.257	1737	1746	1753	rVB	70391	117797	3.23%	0.315%
15	13.457	1775	1780	1791	rVB3	43343	94623	2.59%	0.253%
16	13.592	1795	1803	1804	rBV2	107730	171457	4.70%	0.459%
17	13.751	1821	1830	1834	rBV	174386	321015	8.80%	0.859%
18	13.798	1834	1838	1848	rVB	114402	197558	5.42%	0.528%
19	13.886	1848	1853	1859	rBV	93806	143870	3.94%	0.385%
20	13.986	1865	1870	1873	rBV	76997	114636	3.14%	0.307%
21	14.016	1873	1875	1882	rVB4	29437	39447	1.08%	0.106%
22	14.151	1892	1898	1908	rVB	151459	246468	6.76%	0.659%
23	14.433	1933	1946	1952	rBV2	1072867	1742168	47.76%	4.660%
24	14.492	1952	1956	1965	rVB	348883	545520	14.96%	1.459%
25	14.639	1975	1981	1990	rBV6	30932	76794	2.11%	0.205%
26	14.739	1990	1998	2002	rBV6	23651	55863	1.53%	0.149%
27	14.827	2007	2013	2021	rVB	275038	420945	11.54%	1.126%
28	14.904	2021	2026	2030	rBV2	50766	70694	1.94%	0.189%
29	15.039	2043	2049	2055	rBV4	52648	104921	2.88%	0.281%
30	15.098	2055	2059	2064	rVB2	37236	53414	1.46%	0.143%
31	15.310	2090	2095	2098	rBV2	25372	39762	1.09%	0.106%
32	15.480	2118	2124	2135	rVB	422586	645607	17.70%	1.727%
33	15.645	2148	2152	2155	rVB4	38155	52182	1.43%	0.140%
34	15.774	2169	2174	2181	rVB	62488	98218	2.69%	0.263%

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Integrator: RTE

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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

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35	15.921	2190	2199	2207	rBV2	583066	936555	25.68%	2.505%
36	16.151	2230	2238	2245	rVB10	36608	80719	2.21%	0.216%
37	16.480	2286	2294	2299	rBV3	86430	190386	5.22%	0.509%
38	16.533	2299	2303	2307	rVV2	43632	60456	1.66%	0.162%
39	16.633	2316	2320	2324	rVB	53368	73012	2.00%	0.195%
40	16.745	2336	2339	2349	rVB7	29315	49243	1.35%	0.132%
41	16.839	2350	2355	2360	rVB3	44781	68040	1.87%	0.182%
42	16.910	2363	2367	2373	rBV6	32978	62332	1.71%	0.167%
43	16.998	2373	2382	2389	rVB	152142	266707	7.31%	0.713%
44	17.180	2407	2413	2416	rBV	1421751	1965855	53.90%	5.258%
45	17.221	2416	2420	2427	rVB	1629380	2220837	60.89%	5.940%
46	17.315	2430	2436	2440	rVV	425796	606753	16.63%	1.623%
47	17.586	2476	2482	2489	rBV2	89117	173246	4.75%	0.463%
48	17.698	2497	2501	2504	rBV2	42072	55769	1.53%	0.149%
49	17.757	2507	2511	2518	rVB2	86526	136900	3.75%	0.366%
50	17.904	2531	2536	2544	rBV	59229	125858	3.45%	0.337%
51	18.051	2556	2561	2566	rBV	275011	452391	12.40%	1.210%
52	18.104	2566	2570	2576	rVB	299533	437269	11.99%	1.170%
53	18.180	2579	2583	2588	rBV	124588	175263	4.81%	0.469%
54	18.251	2588	2595	2599	rBV2	396169	754143	20.68%	2.017%
55	18.286	2599	2601	2606	rVB	160974	181739	4.98%	0.486%
56	18.557	2642	2647	2650	rBV	142774	187596	5.14%	0.502%
57	18.604	2652	2655	2660	rVB3	66663	91397	2.51%	0.244%
58	18.851	2694	2697	2700	rBV	77763	85594	2.35%	0.229%
59	18.968	2713	2717	2722	rBV	183280	311067	8.53%	0.832%
60	19.115	2738	2742	2748	rBV6	86626	190955	5.24%	0.511%
61	19.239	2758	2763	2769	rBV	1893535	2467190	67.64%	6.599%
62	19.339	2777	2780	2784	rBV4	56677	71440	1.96%	0.191%
63	19.392	2786	2789	2792	rVV	59444	74233	2.04%	0.199%
64	19.568	2815	2819	2821	rBV2	261212	383347	10.51%	1.025%
65	19.604	2821	2825	2833	rVV	1705752	2393724	65.63%	6.402%
66	19.674	2834	2837	2843	rVB3	108404	171355	4.70%	0.458%
67	19.804	2854	2859	2863	rVB	893064	1154405	31.65%	3.088%
68	19.921	2876	2879	2880	rBV2	114672	123556	3.39%	0.330%
69	20.098	2906	2909	2913	rVB	315075	382796	10.49%	1.024%
70	20.198	2922	2926	2930	rBV	247807	297227	8.15%	0.795%
71	20.398	2957	2960	2964	rBV	136013	182923	5.02%	0.489%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	21.362	3118	3124	3128	rBV2	2052259	3647455	100.00%	9.756%
73	21.403	3128	3131	3137	rVB	704565	958106	26.27%	2.563%
74	23.662	3510	3515	3521	rBV	1103231	1926622	52.82%	5.153%

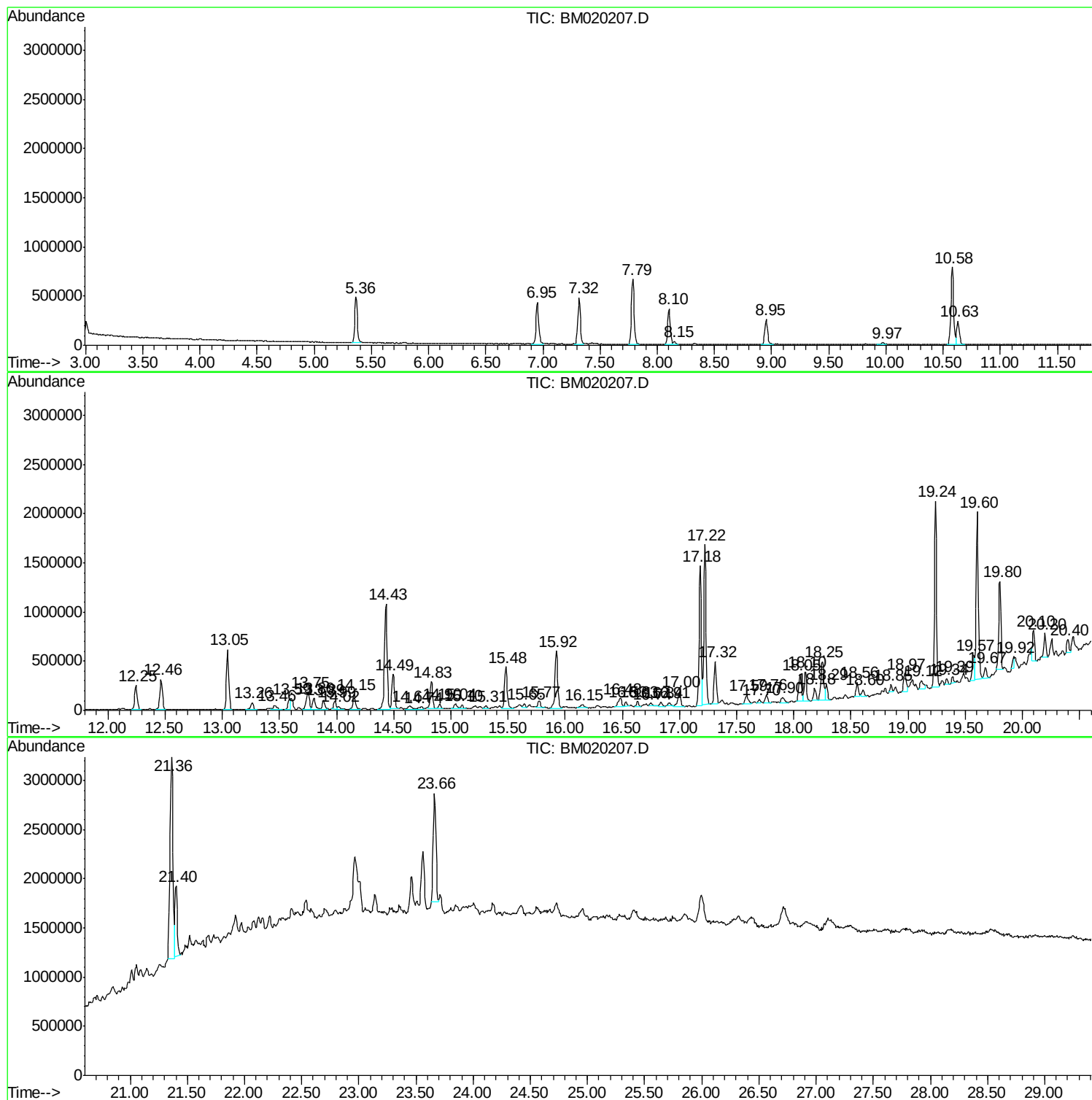
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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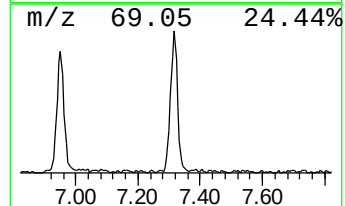
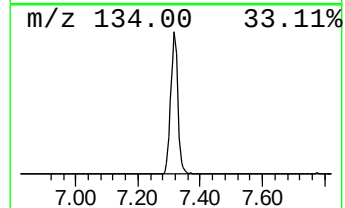
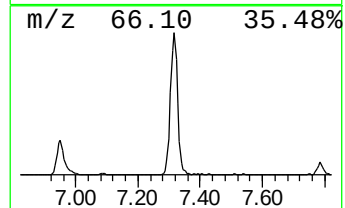
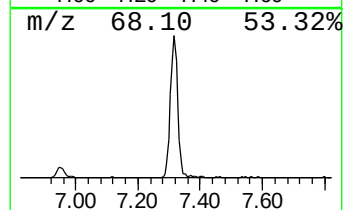
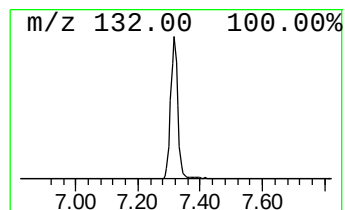
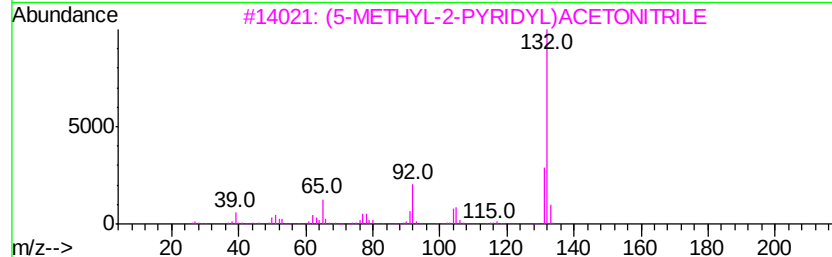
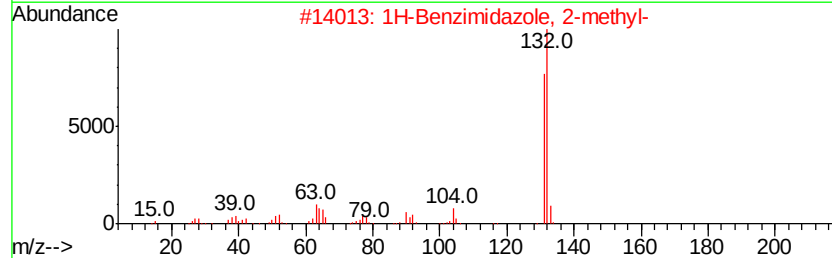
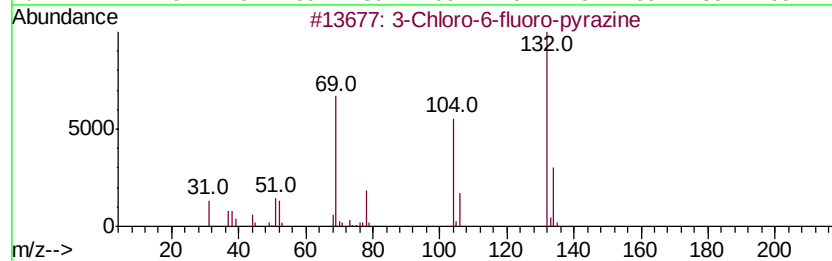
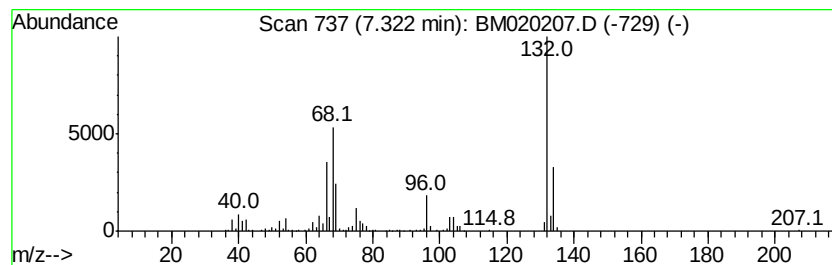
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	14.59 ng	766450	1,4-Dichlorobenzene-d4	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	22
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5		Tranlylcypromine-propionyl	189	C12H15NO	1000123-86-3	12



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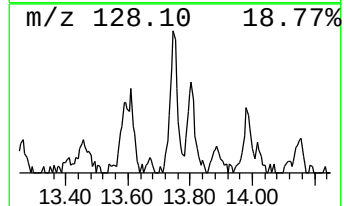
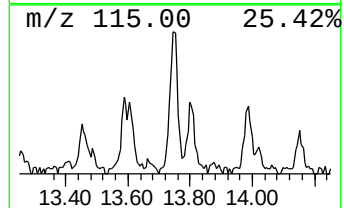
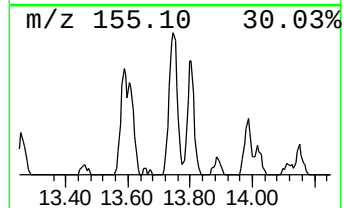
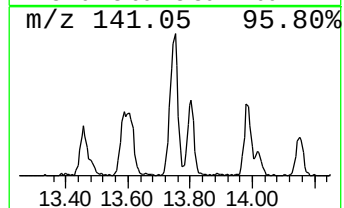
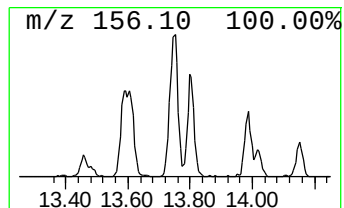
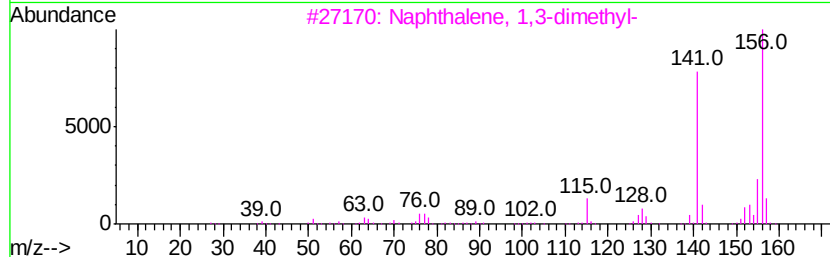
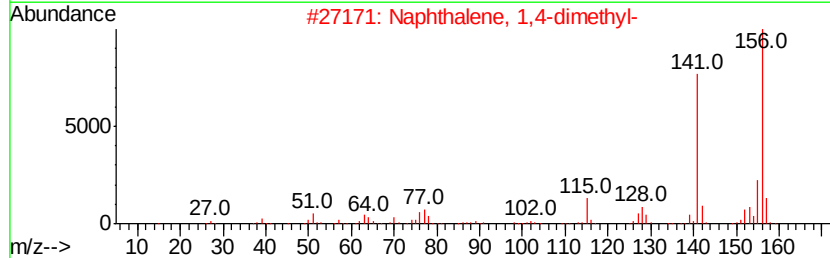
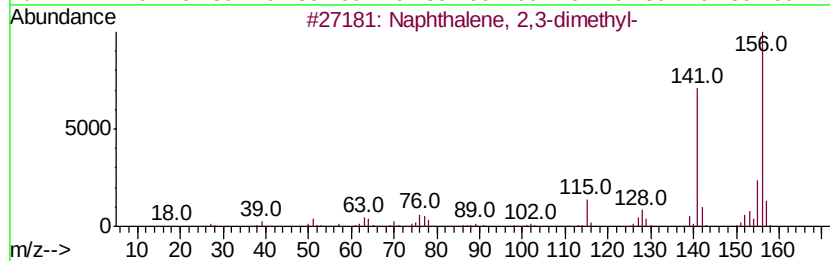
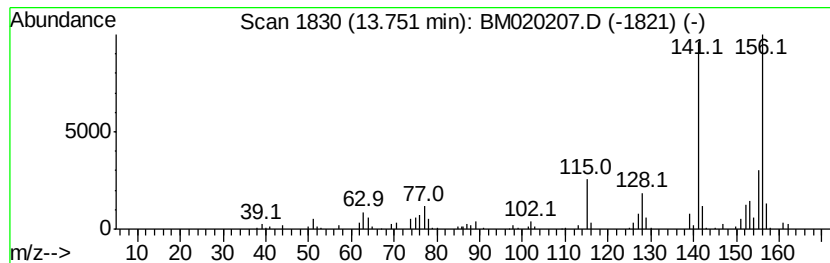
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.75	3.69 ng	321015	Acenaphthene-d10	14.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



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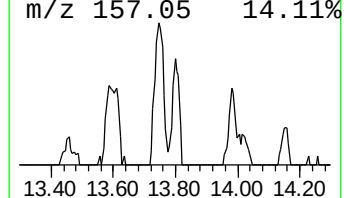
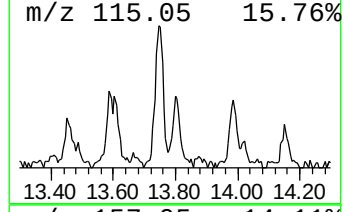
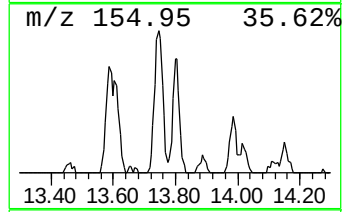
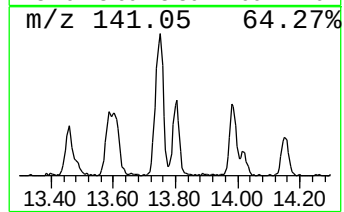
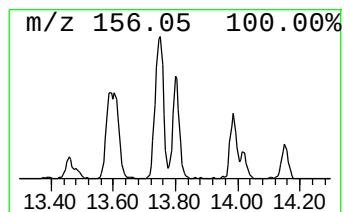
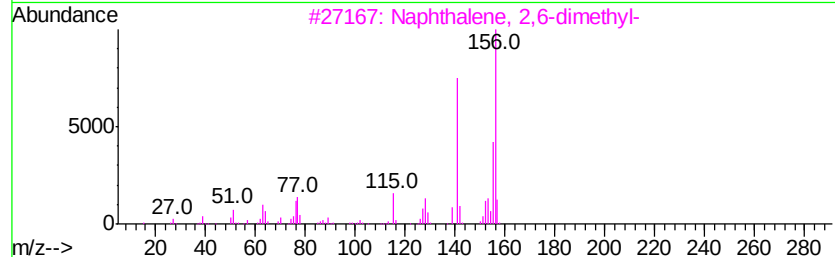
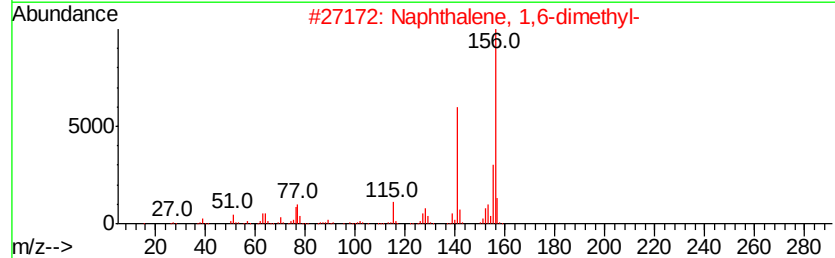
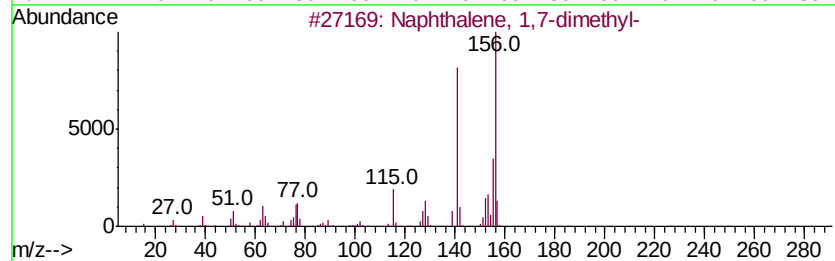
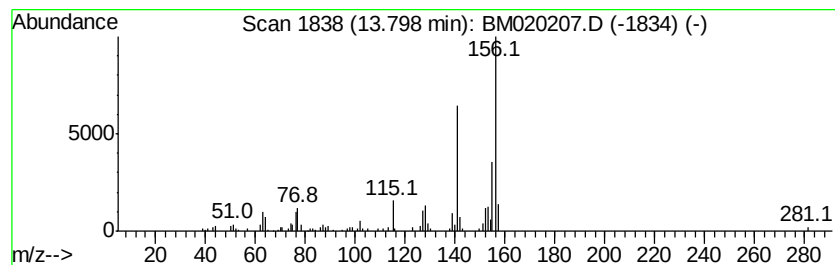
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	2.27 ng	197558	Acenaphthene-d10	14.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 96
5		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 96



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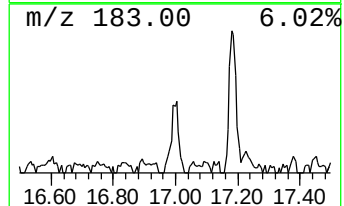
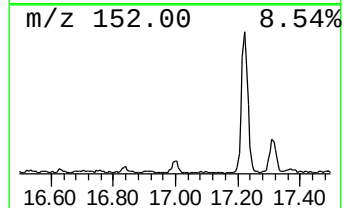
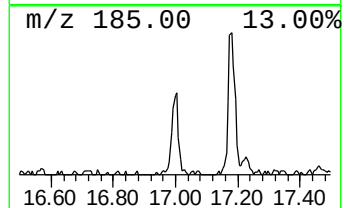
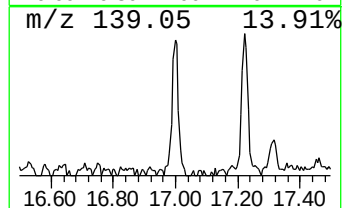
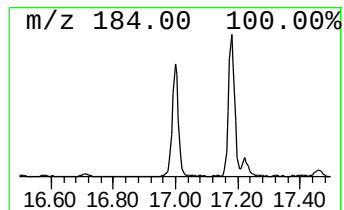
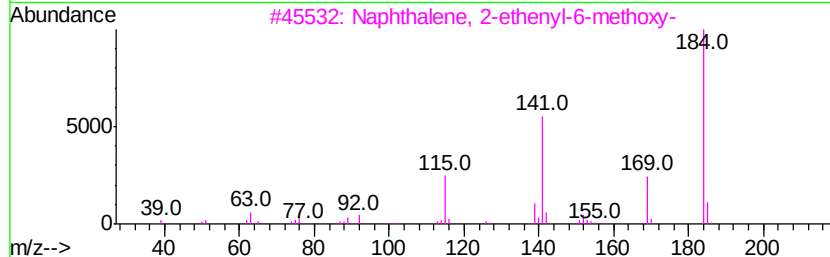
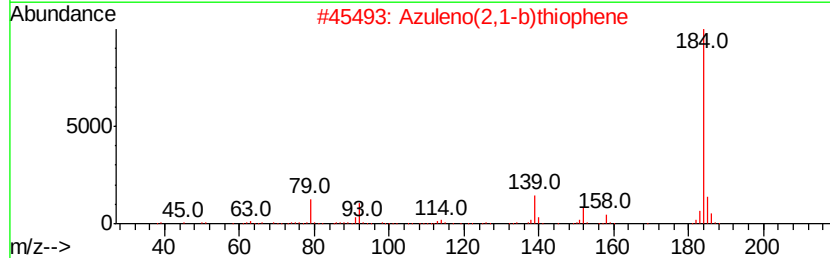
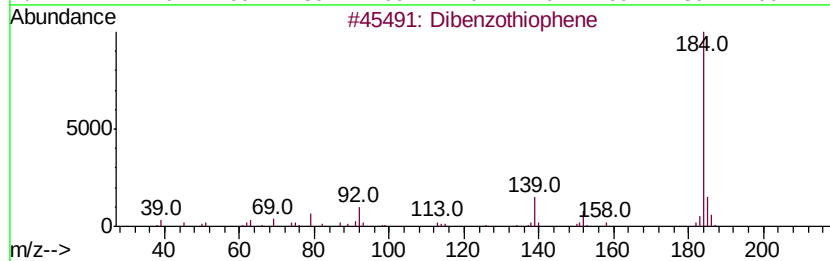
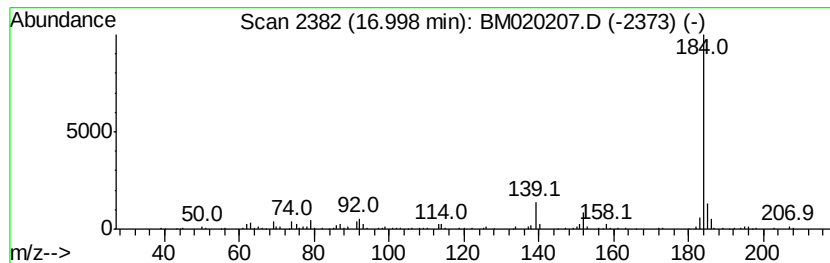
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.00	2.71 ng	266707	Phenanthrene-d10	17.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
3	Naphthalene, 2-ethenvl-6-methoxy-	184	C13H12O	063444-51-9	80
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020207.D
Acq On : 08 May 2019 22:36
Operator : JU/SJ
Sample : K2643-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

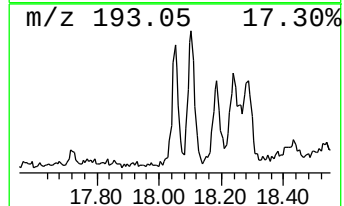
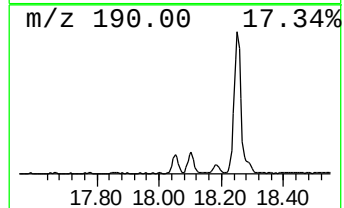
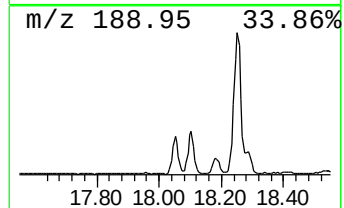
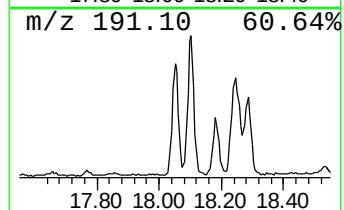
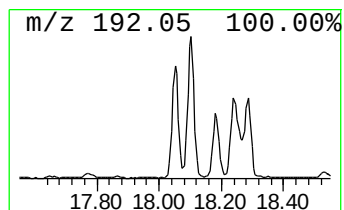
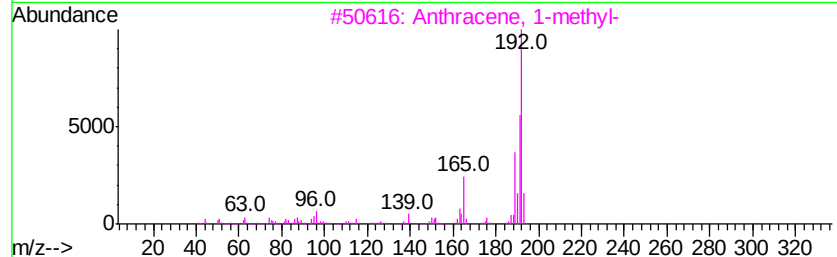
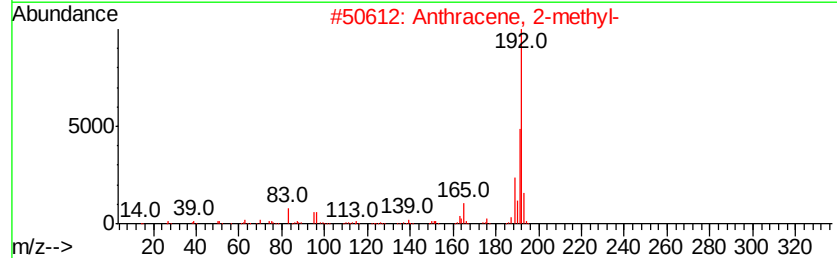
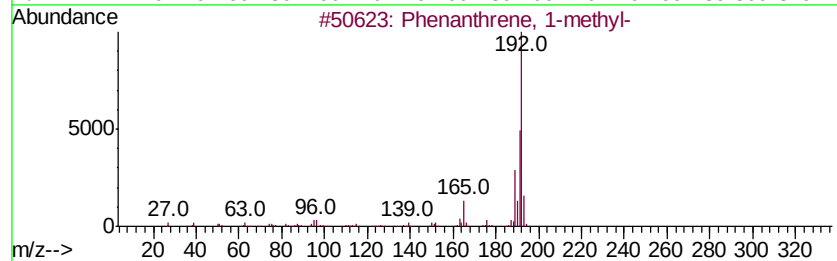
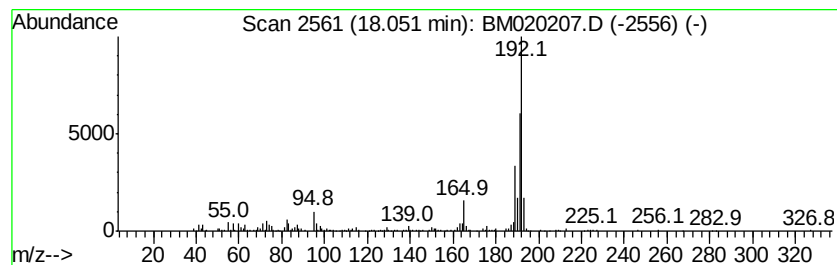
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.05	4.60 ng	452391	Phenanthrene-d10	17.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020207.D
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Operator : JU/SJ
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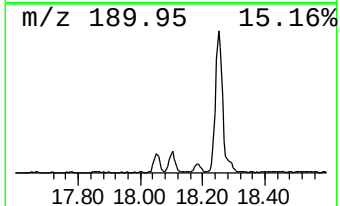
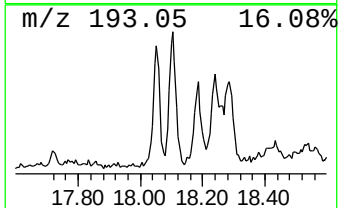
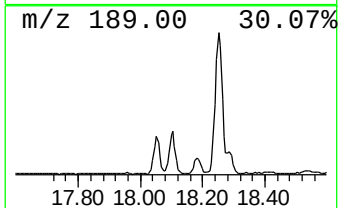
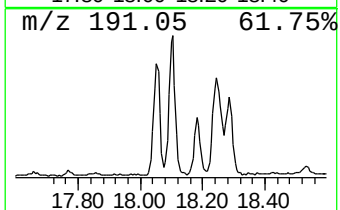
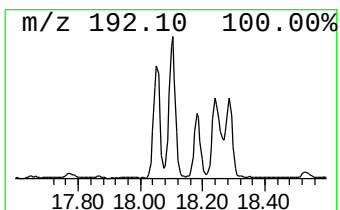
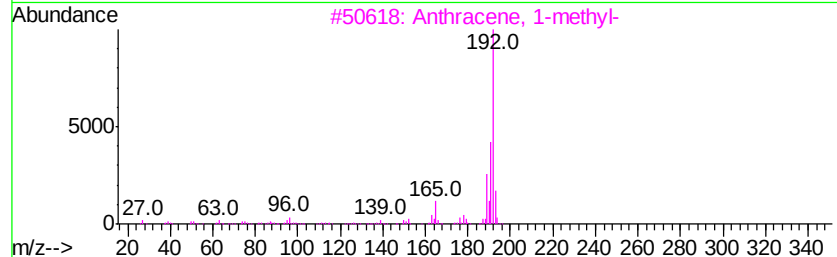
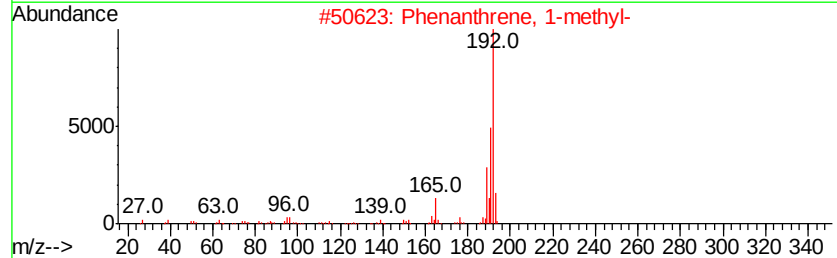
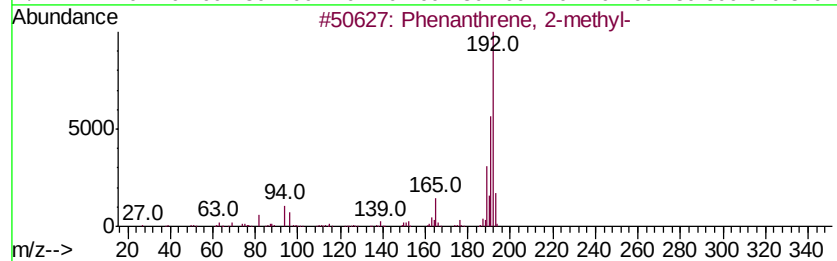
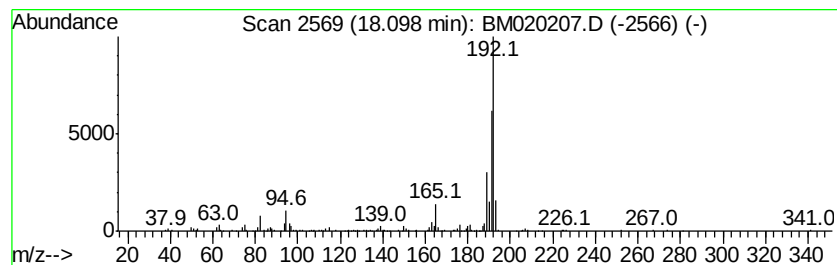
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.45 ng	437269	Phenanthrene-d10	17.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
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Sample : K2643-01 5X
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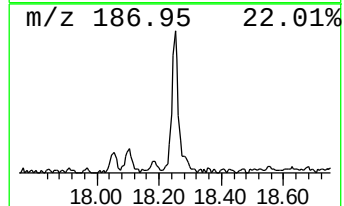
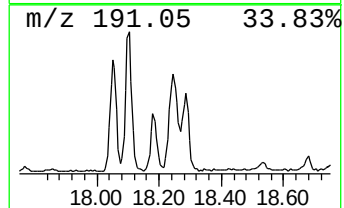
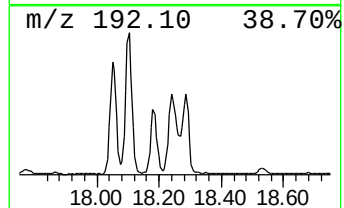
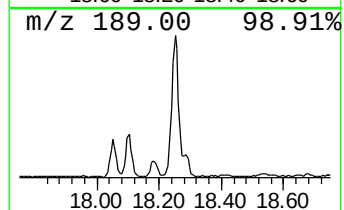
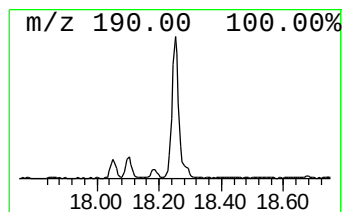
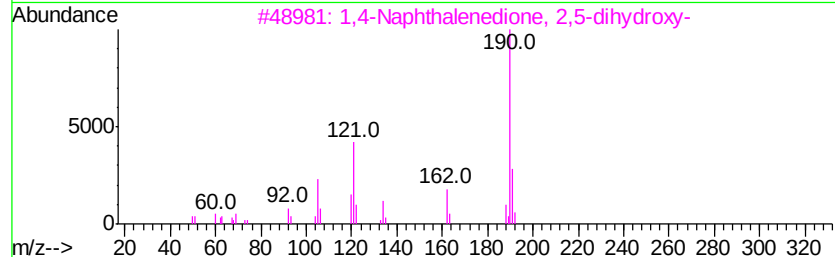
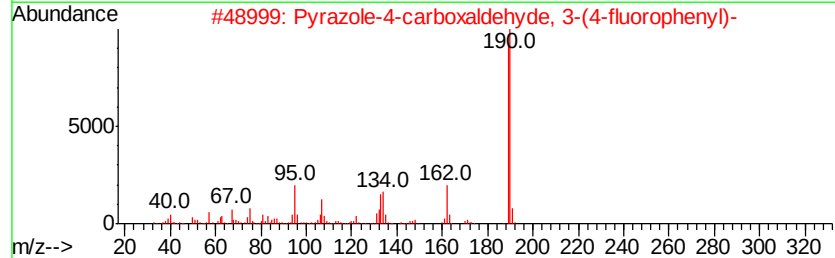
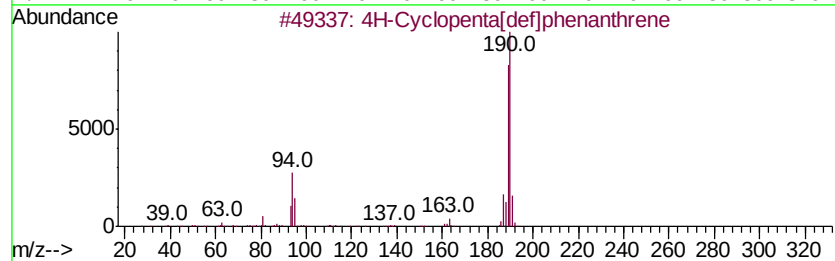
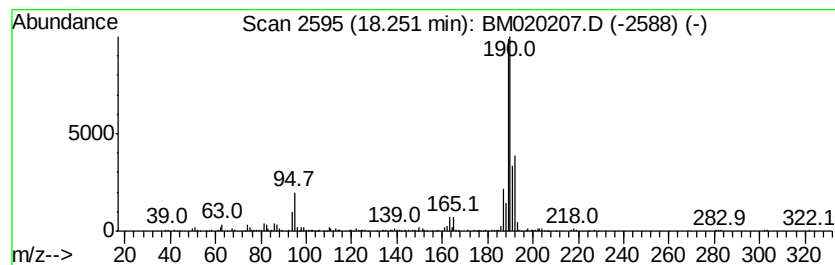
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.25	7.67 ng	754143	Phenanthrene-d10	17.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	40
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	27
4	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	12
5	4-Oxo-2-(4-fluorophenyl)-3,4-dih...	190	C10H7FN2O	076128-79-5	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020207.D
Acq On : 08 May 2019 22:36
Operator : JU/SJ
Sample : K2643-01 5X
Misc :
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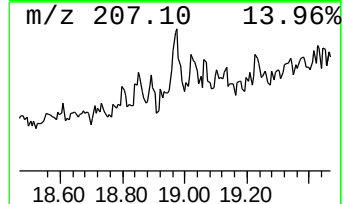
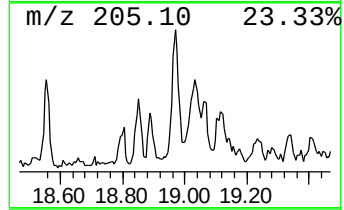
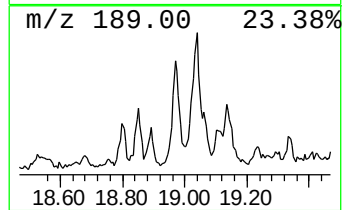
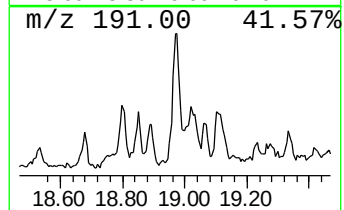
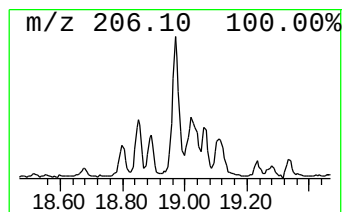
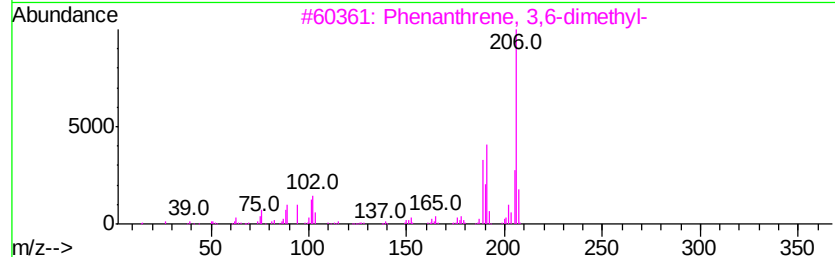
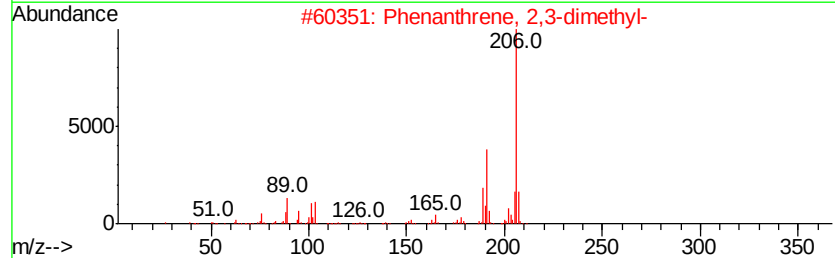
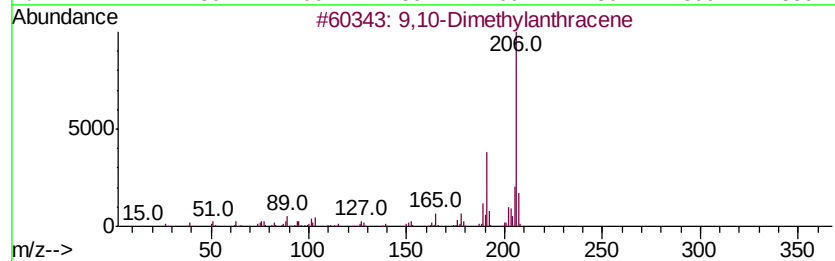
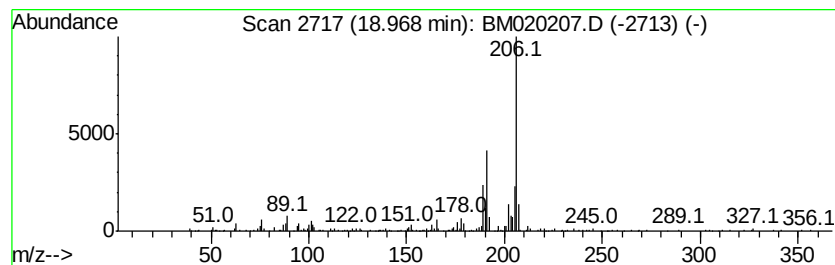
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Dimethylantracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.16 ng	311067	Phenanthrene-d10	17.18

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene		206	C16H14	000781-43-1	91
2	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	87
3	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	87
4	Anthracene, 1,4-dimethyl-		206	C16H14	000781-92-0	86
5	di-p-Tolylacetylene		206	C16H14	002789-88-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
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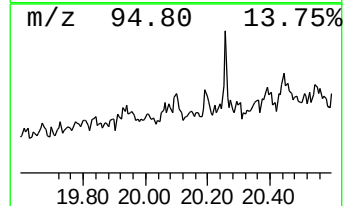
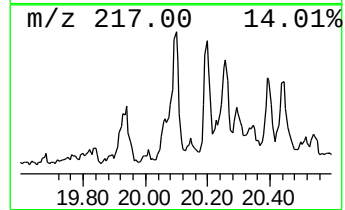
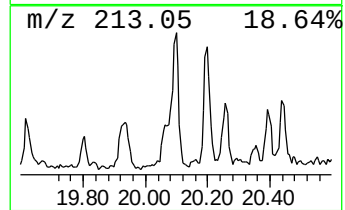
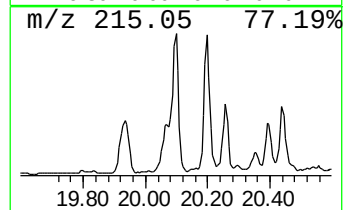
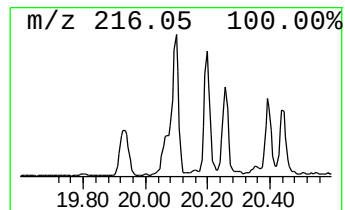
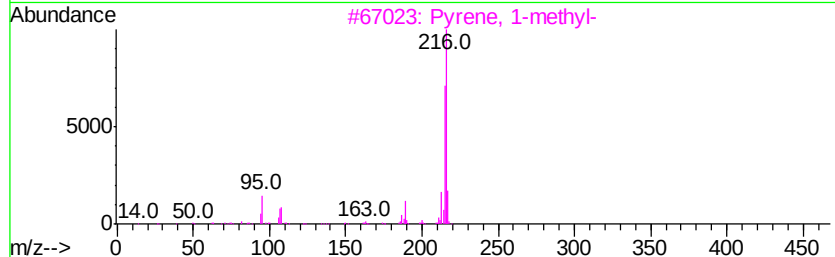
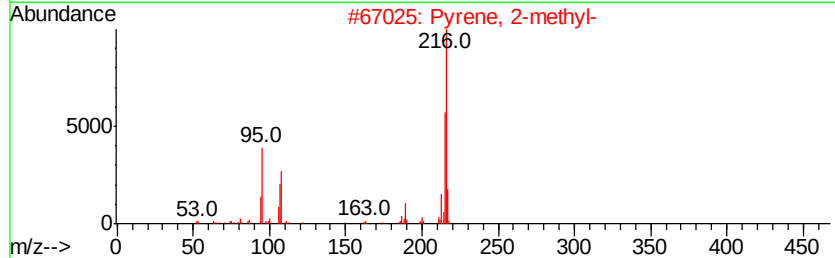
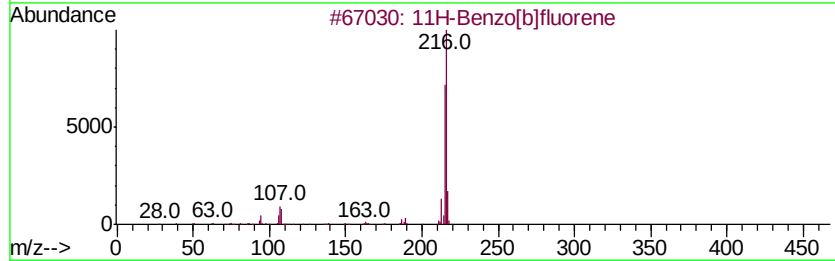
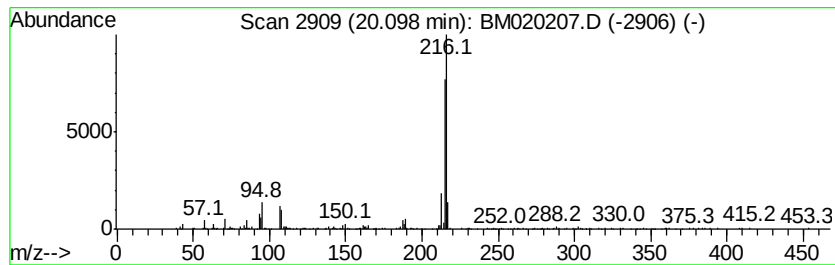
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.10 ng	382796	Chrysene-d12	21.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 83
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 83
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 80
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 72
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
Data File : BM020207.D
Acq On : 08 May 2019 22:36
Operator : JU/SJ
Sample : K2643-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Naphthalene, 1,7-...	13.80	2.3	ng	197558	3	14.43	1742170	20.0
Dibenzothiophene	17.00	2.7	ng	266707	4	17.18	1965860	20.0
Phenanthrene, 1-m...	18.05	4.6	ng	452391	4	17.18	1965860	20.0
Phenanthrene, 2-m...	18.10	4.5	ng	437269	4	17.18	1965860	20.0
4H-Cyclopenta[def...	18.25	7.7	ng	754143	4	17.18	1965860	20.0
9,10-Dimethylanth...	18.97	3.2	ng	311067	4	17.18	1965860	20.0
11H-Benzo[b]fluorene	20.10	2.1	ng	382796	5	21.36	3647460	20.0