

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
 Data File : BP002470.D
 Acq On : 19 Jun 2020 21:42
 Operator : CG/JU
 Sample : L3056-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-B-LOT-11

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_P\METHODS\8270-BP060520.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	5.204	388	394	415	rBV	2837158	4482244	51.34%	3.494%
2	6.781	651	662	677	rBV	3017214	5071073	58.09%	3.953%
3	7.587	792	799	807	rBV	819014	1283701	14.70%	1.001%
4	7.904	844	853	865	rBV	2615149	4252049	48.71%	3.315%
5	8.734	980	994	1007	rBV	2103667	3574117	40.94%	2.786%
6	10.357	1263	1270	1276	rBV	1100968	1880646	21.54%	1.466%
7	10.404	1276	1278	1287	rVB	66415	99802	1.14%	0.078%
8	12.028	1547	1554	1565	rBV2	65005	129793	1.49%	0.101%
9	12.851	1687	1694	1714	rVB	4790595	7399599	84.76%	5.769%
10	13.551	1805	1813	1818	rBV	61935	108485	1.24%	0.085%
11	13.692	1829	1837	1846	rBV	319629	484052	5.54%	0.377%
12	13.951	1871	1881	1889	rBV	214002	385786	4.42%	0.301%
13	14.069	1894	1901	1915	rVB	92718	221011	2.53%	0.172%
14	14.233	1922	1929	1935	rBV	1728957	2536843	29.06%	1.978%
15	14.298	1935	1940	1949	rVB	201525	311562	3.57%	0.243%
16	14.633	1988	1997	2004	rBV2	140828	266849	3.06%	0.208%
17	14.863	2029	2036	2041	rBV3	46328	87877	1.01%	0.069%
18	15.286	2103	2108	2114	rBV	267094	401999	4.60%	0.313%
19	15.586	2155	2159	2163	rBV	102882	144235	1.65%	0.112%
20	15.733	2171	2184	2193	rBV	3839574	5816340	66.63%	4.534%
21	15.827	2195	2200	2209	rVB4	74065	145228	1.66%	0.113%
22	15.963	2219	2223	2228	rBV3	49348	100972	1.16%	0.079%
23	16.304	2271	2281	2285	rBV3	88488	223820	2.56%	0.174%
24	16.351	2285	2289	2294	rVB2	65987	104809	1.20%	0.082%
25	16.574	2323	2327	2330	rVV3	75973	96419	1.10%	0.075%
26	16.645	2334	2339	2349	rVB	137024	250856	2.87%	0.196%
27	16.733	2349	2354	2359	rBV2	86286	191599	2.19%	0.149%
28	16.804	2362	2366	2371	rVB	196303	282876	3.24%	0.221%
29	16.992	2392	2398	2401	rBV	2074766	3012114	34.50%	2.348%
30	17.033	2401	2405	2411	rVV	3463511	5028721	57.60%	3.920%
31	17.121	2415	2420	2426	rVB	1150643	1581100	18.11%	1.233%
32	17.186	2427	2431	2437	rBV3	85503	148528	1.70%	0.116%
33	17.398	2463	2467	2472	rVB	173203	234166	2.68%	0.183%
34	17.521	2484	2488	2493	rBV2	102571	156935	1.80%	0.122%

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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_P\METHODS\8270-BP060520.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.574	2493	2497	2503	rVB2	139797	194522	2.23%	0.152%
36	17.715	2517	2521	2527	rVB2	72503	125953	1.44%	0.098%
37	17.792	2530	2534	2539	rVV4	70285	129884	1.49%	0.101%
38	17.868	2542	2547	2551	rVV	689303	1004340	11.50%	0.783%
39	17.915	2551	2555	2562	rVV2	1165343	1786779	20.47%	1.393%
40	17.992	2563	2568	2573	rVV	370935	601908	6.89%	0.469%
41	18.057	2573	2579	2583	rVV2	974558	1785858	20.46%	1.392%
42	18.092	2583	2585	2593	rVB	451516	531060	6.08%	0.414%
43	18.210	2602	2605	2609	rVB2	79984	102738	1.18%	0.080%
44	18.357	2626	2630	2633	rBV	481733	615339	7.05%	0.480%
45	18.392	2633	2636	2642	rVB2	309399	434531	4.98%	0.339%
46	18.480	2648	2651	2657	rBV2	65125	110080	1.26%	0.086%
47	18.598	2668	2671	2676	rVV	201424	269104	3.08%	0.210%
48	18.651	2676	2680	2683	rVV	187300	254620	2.92%	0.198%
49	18.686	2683	2686	2690	rVB	168709	209015	2.39%	0.163%
50	18.762	2694	2699	2704	rBV	485277	798250	9.14%	0.622%
51	18.827	2704	2710	2713	rVV3	309629	589408	6.75%	0.459%
52	18.857	2713	2715	2718	rVV	157645	161812	1.85%	0.126%
53	18.898	2718	2722	2730	rVB3	389279	643614	7.37%	0.502%
54	19.021	2737	2743	2749	rBV	5884907	8086785	92.63%	6.304%
55	19.086	2751	2754	2757	rBV	103290	150448	1.72%	0.117%
56	19.162	2764	2767	2771	rBV2	203693	239578	2.74%	0.187%
57	19.251	2779	2782	2788	rVB	233906	312870	3.58%	0.244%
58	19.374	2793	2803	2811	rBV2	4864292	8561133	98.07%	6.674%
59	19.445	2811	2815	2822	rVB2	236964	458273	5.25%	0.357%
60	19.545	2829	2832	2834	rBV	295099	376590	4.31%	0.294%
61	19.580	2834	2838	2848	rVB	6286541	8729912	100.00%	6.806%
62	19.692	2851	2857	2863	rBV2	399007	968958	11.10%	0.755%
63	19.780	2869	2872	2875	rBV3	86399	130217	1.49%	0.102%
64	19.821	2875	2879	2882	rVV4	332287	609653	6.98%	0.475%
65	19.857	2882	2885	2890	rVB2	853637	1120477	12.83%	0.873%
66	19.956	2898	2902	2905	rBV	547651	638713	7.32%	0.498%
67	20.009	2906	2911	2915	rBV2	625717	853079	9.77%	0.665%
68	20.092	2923	2925	2930	rVB4	99777	127958	1.47%	0.100%
69	20.145	2931	2934	2938	rVV	339829	390869	4.48%	0.305%
70	20.192	2938	2942	2946	rBV	348303	478870	5.49%	0.373%
71	20.398	2974	2977	2980	rBV3	119788	164826	1.89%	0.128%

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 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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72	20.586	3006	3009	3016	rVB	440766	622624	7.13%	0.485%
73	20.751	3031	3037	3040	rBV2	483198	851615	9.76%	0.664%
74	20.786	3040	3043	3046	rVV	516101	591501	6.78%	0.461%
75	20.839	3046	3052	3055	rVV2	1194008	1893686	21.69%	1.476%
76	20.874	3056	3058	3066	rVB	497550	673430	7.71%	0.525%
77	21.086	3089	3094	3099	rBV3	3336031	6383155	73.12%	4.976%
78	21.133	3099	3102	3112	rVB	2463152	3247691	37.20%	2.532%
79	21.245	3118	3121	3125	rBV	314062	426395	4.88%	0.332%
80	21.398	3144	3147	3152	rBV2	288447	422729	4.84%	0.330%
81	21.639	3186	3188	3192	rVB	465735	483102	5.53%	0.377%
82	21.692	3194	3197	3199	rBV	196745	248707	2.85%	0.194%
83	21.833	3217	3221	3223	rBV2	242971	312214	3.58%	0.243%
84	22.386	3311	3315	3327	rVB4	568859	1025518	11.75%	0.799%
85	22.639	3352	3358	3363	rBV2	1805301	4271140	48.93%	3.330%
86	22.803	3382	3386	3393	rVB	390832	620637	7.11%	0.484%
87	23.109	3432	3438	3446	rVB	1131305	2119111	24.27%	1.652%
88	23.203	3447	3454	3462	rVV	1637716	3159904	36.20%	2.463%
89	23.297	3464	3470	3474	rVV	1084682	2156156	24.70%	1.681%
90	23.345	3475	3478	3487	rVB2	491029	877678	10.05%	0.684%
91	25.509	3838	3846	3857	rVB2	957597	2768472	31.71%	2.158%
92	26.180	3952	3960	3971	rVB	669299	1875468	21.48%	1.462%

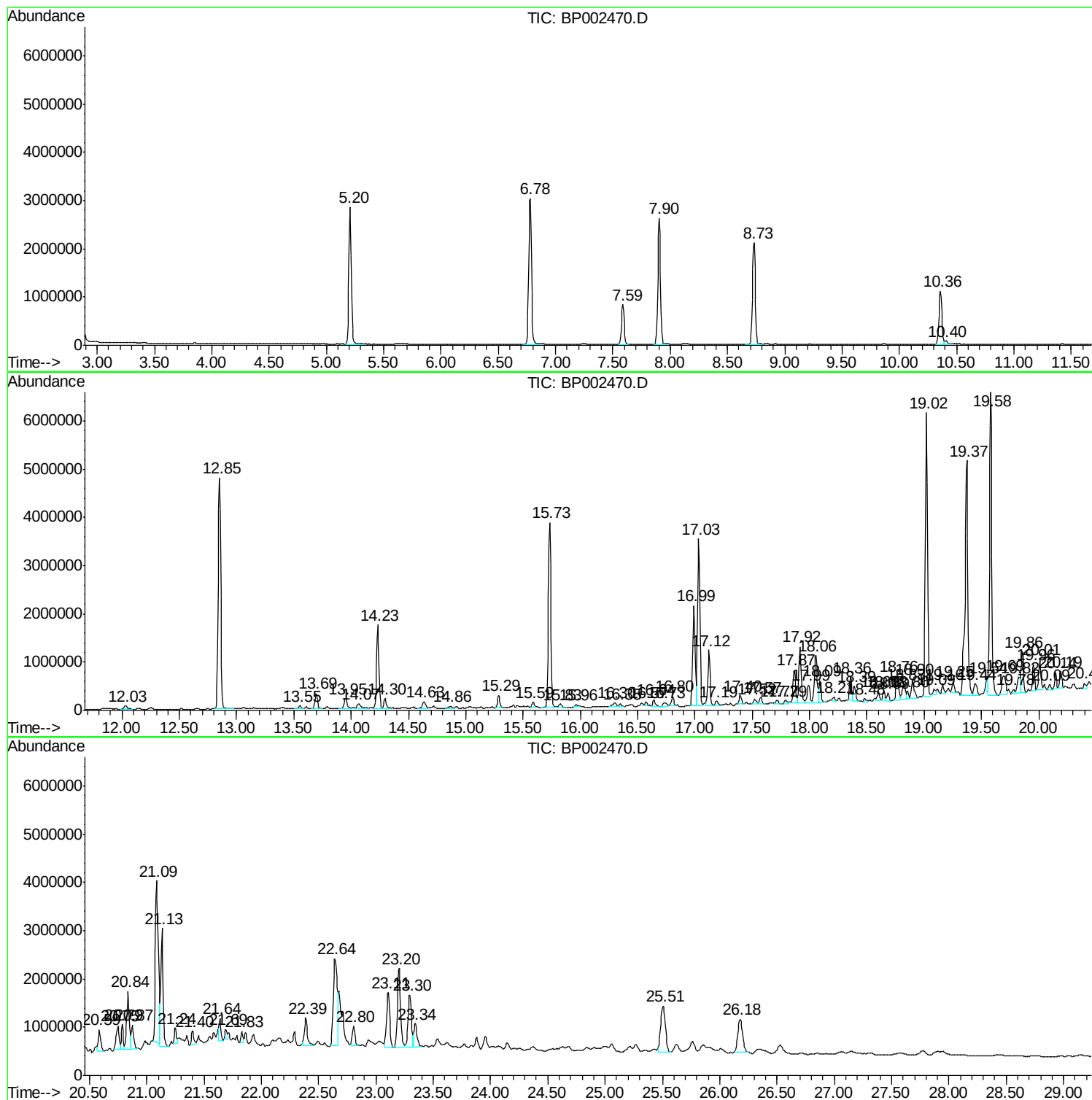
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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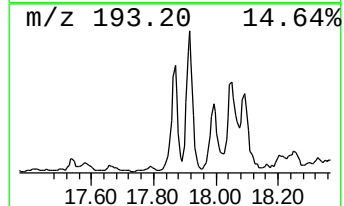
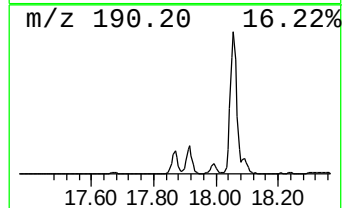
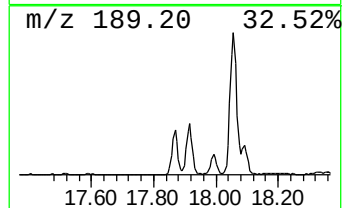
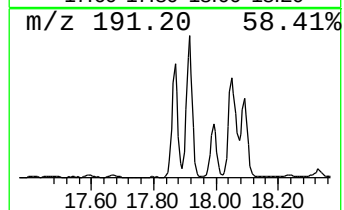
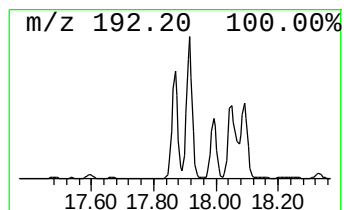
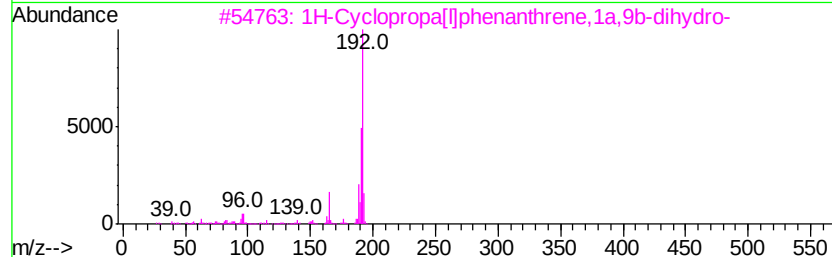
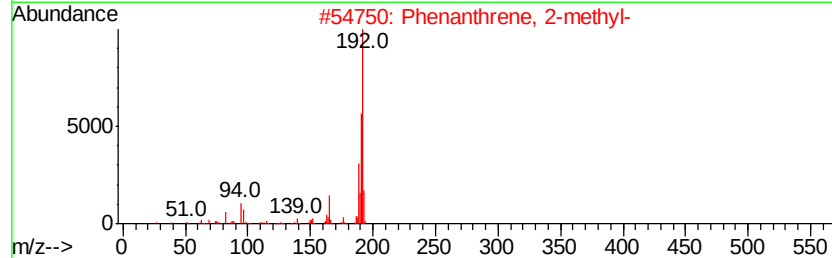
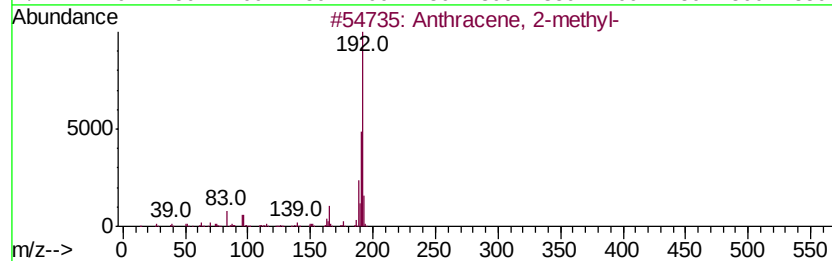
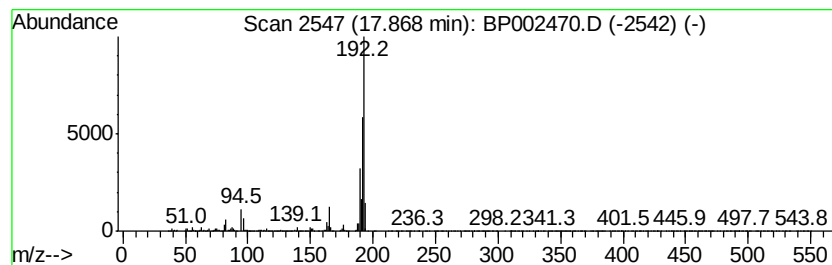
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	6.67 ng	1004340	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



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Misc :
ALS Vial : 14 Sample Multiplier: 1

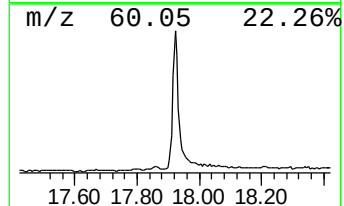
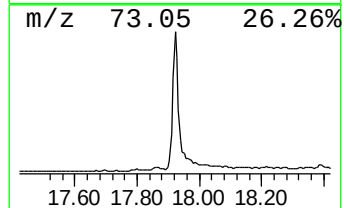
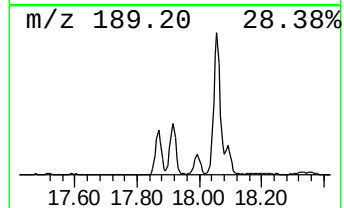
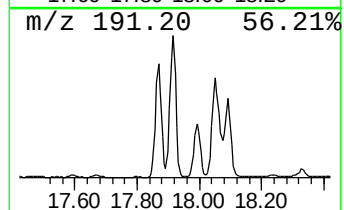
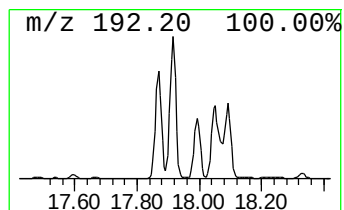
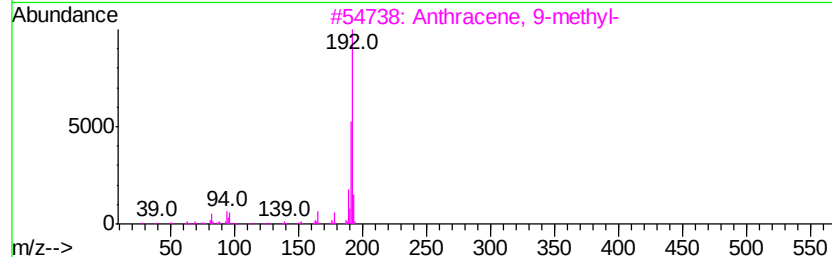
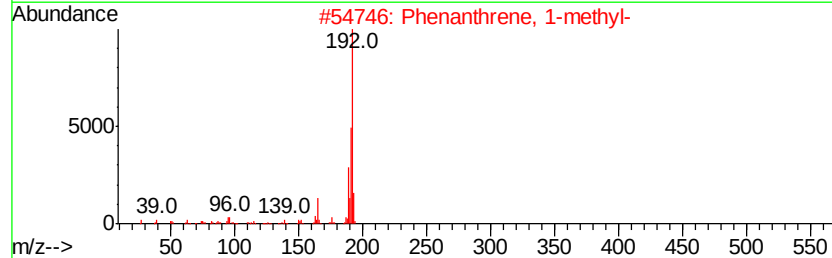
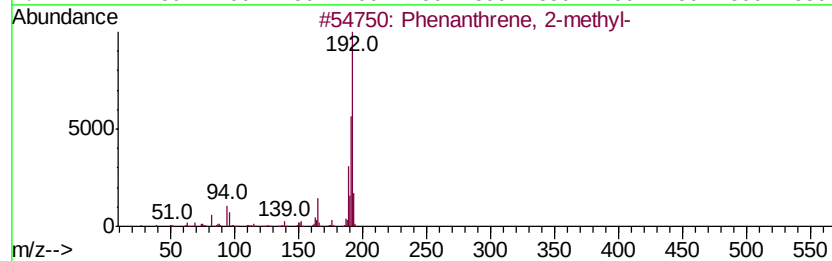
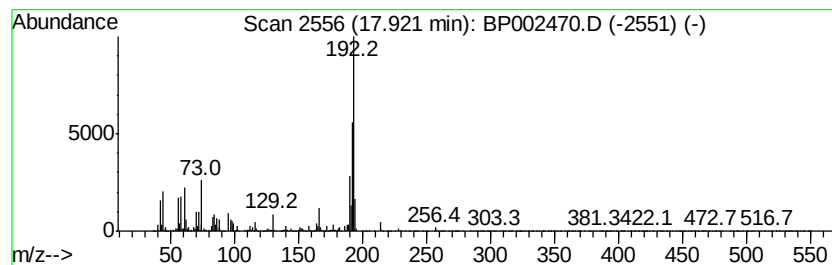
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.92	11.86 ng	1786780	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



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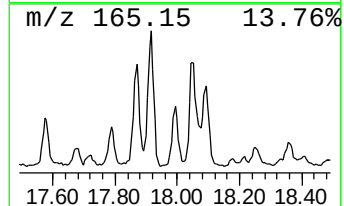
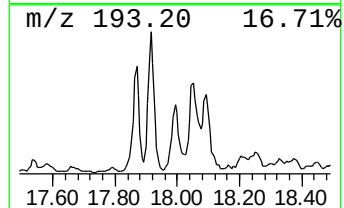
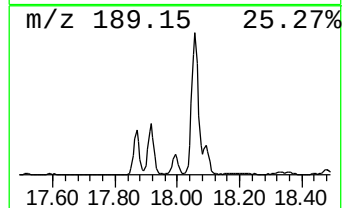
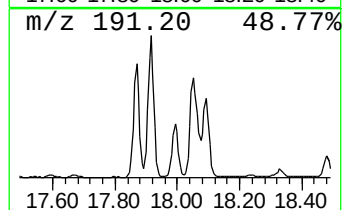
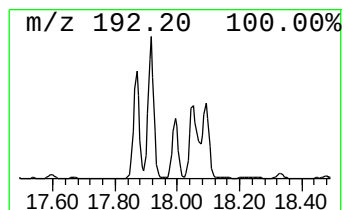
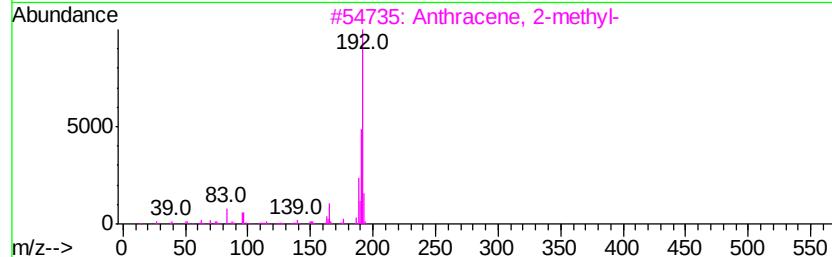
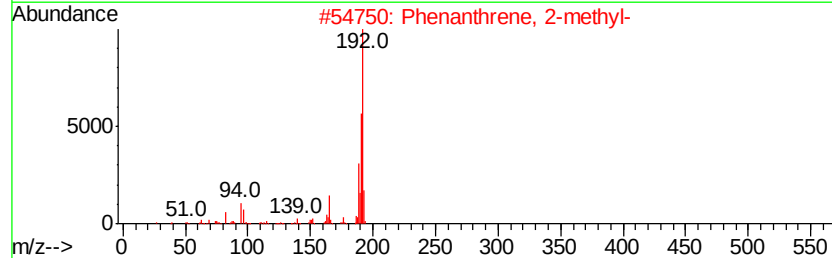
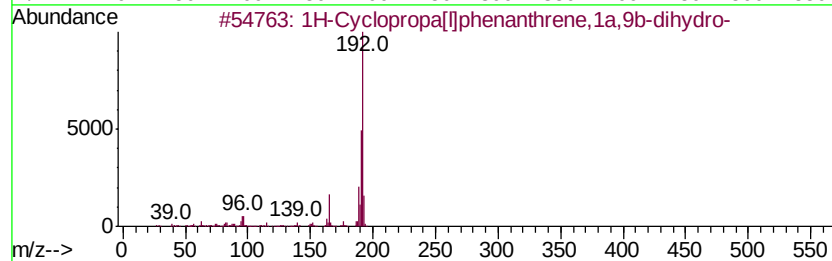
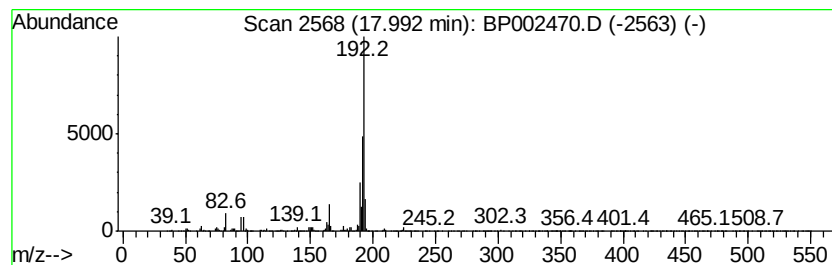
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.00 ng	601908	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96



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Misc :
ALS Vial : 14 Sample Multiplier: 1

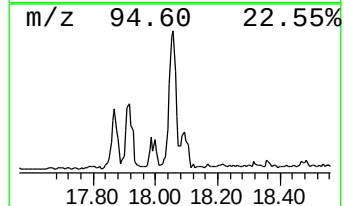
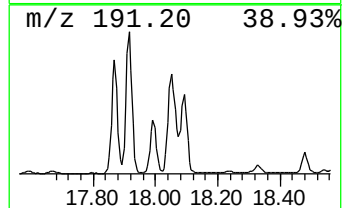
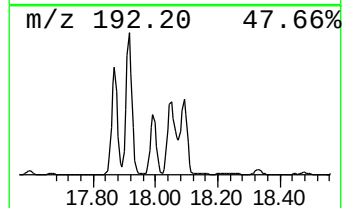
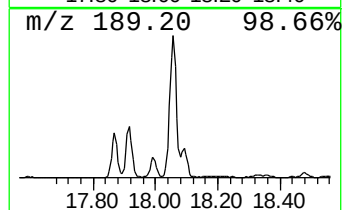
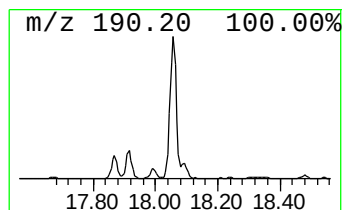
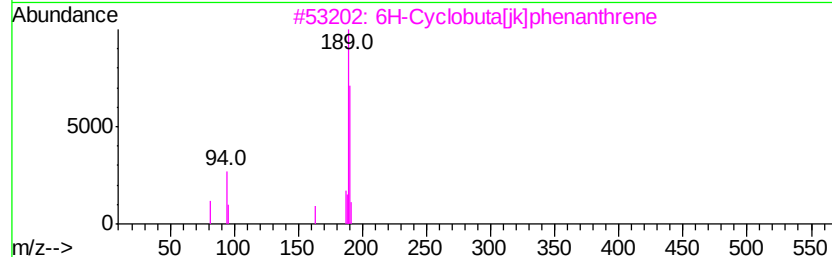
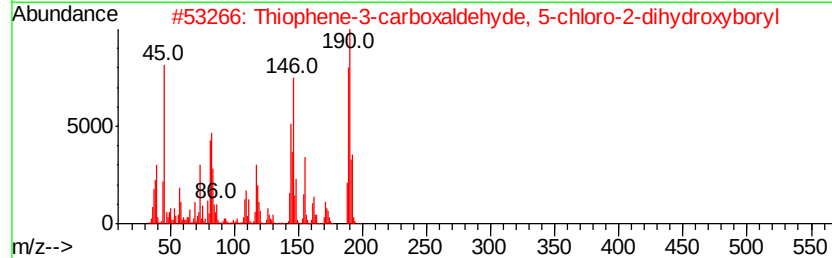
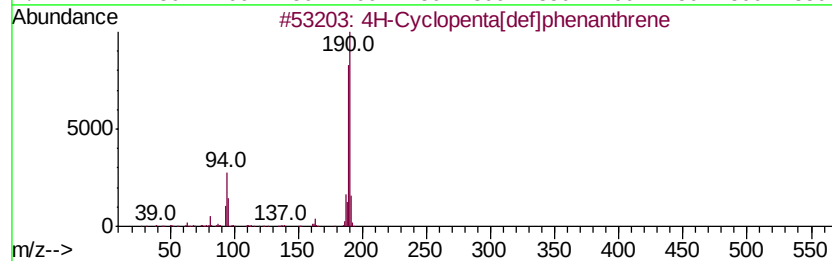
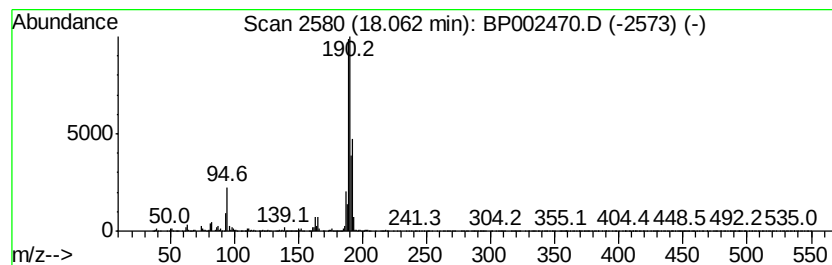
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.06	11.86 ng	1785860	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002470.D
Acq On : 19 Jun 2020 21:42
Operator : CG/JU
Sample : L3056-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SAMPLE-B-LOT-11

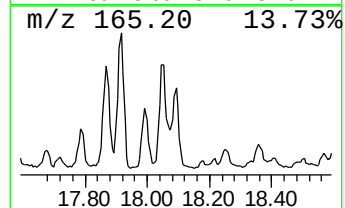
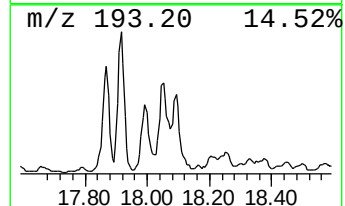
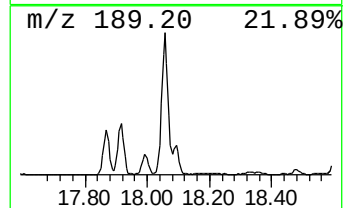
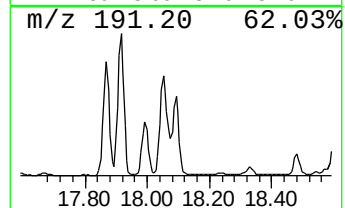
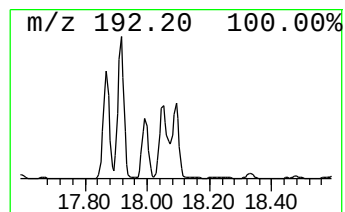
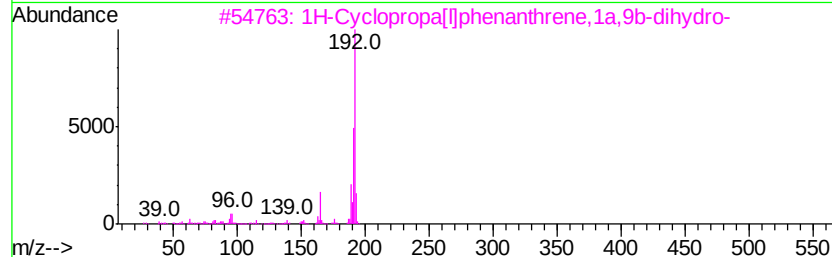
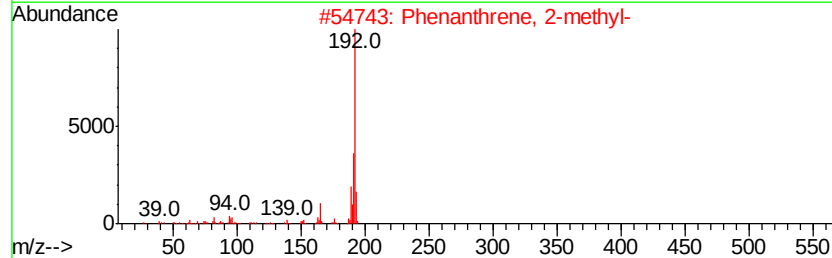
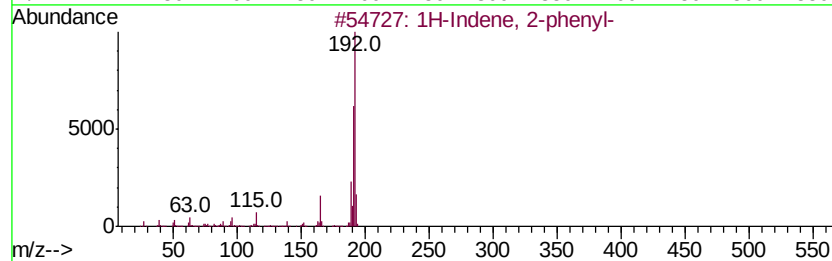
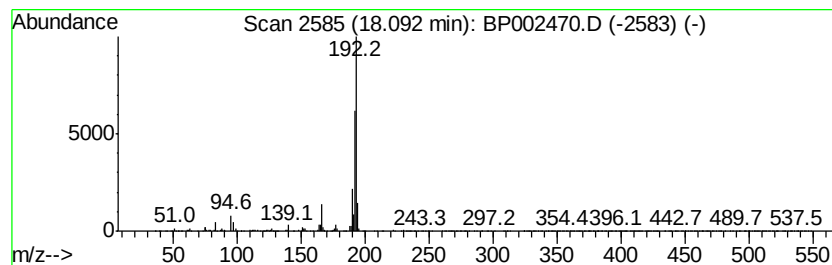
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.53 ng	531060	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002470.D
Acq On : 19 Jun 2020 21:42
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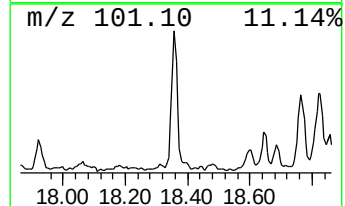
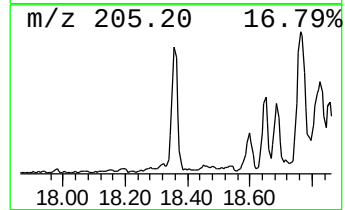
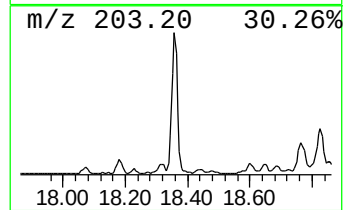
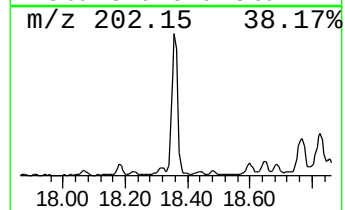
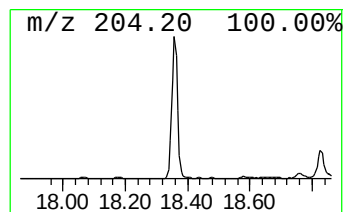
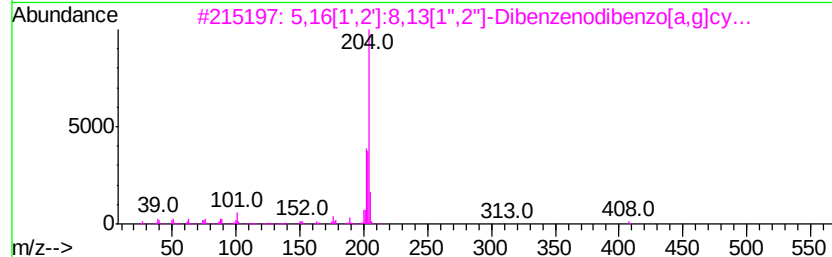
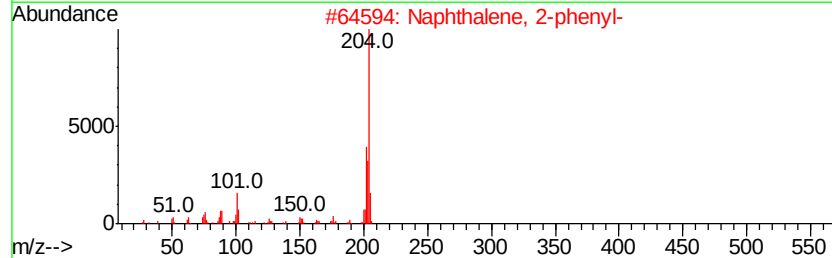
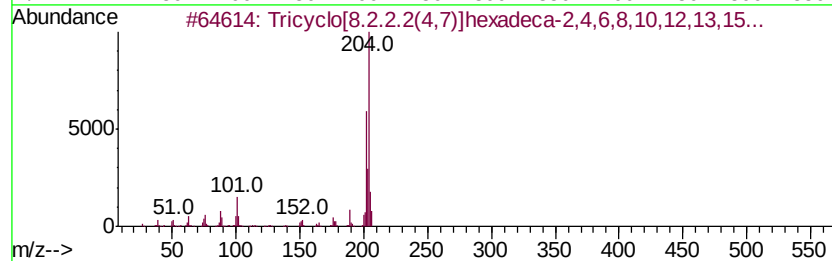
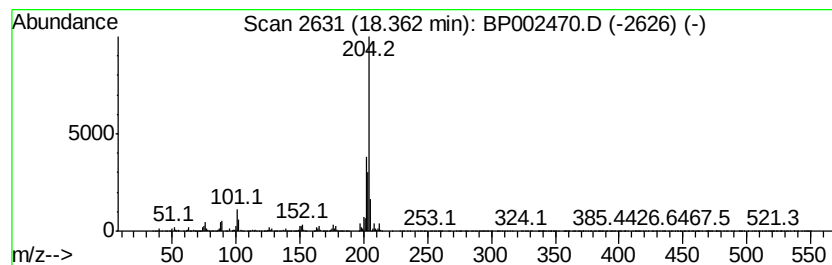
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.09 ng	615339	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002470.D
Acq On : 19 Jun 2020 21:42
Operator : CG/JU
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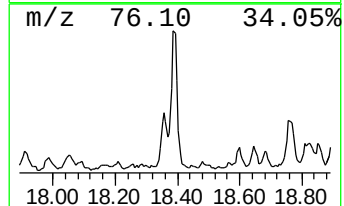
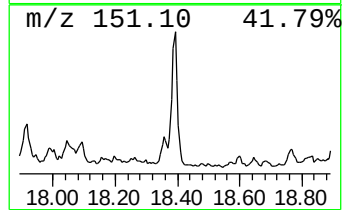
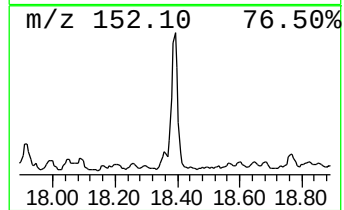
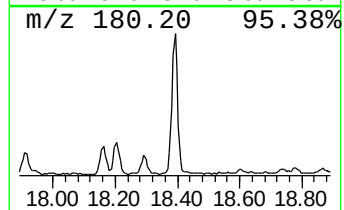
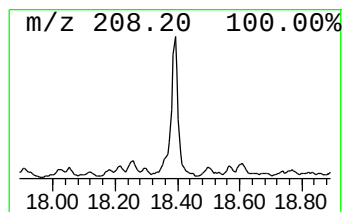
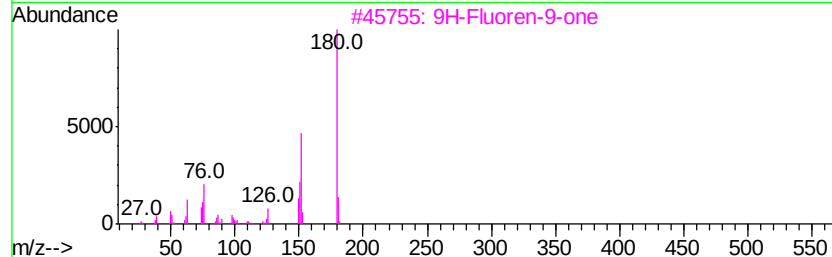
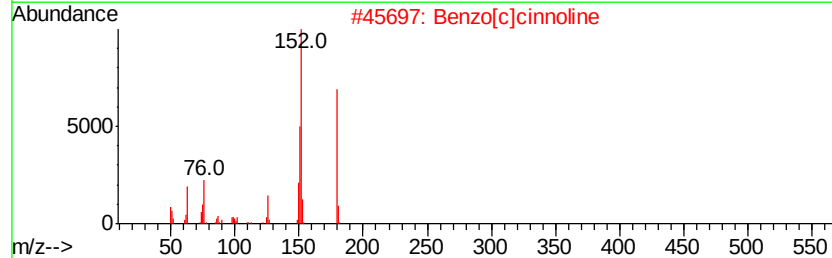
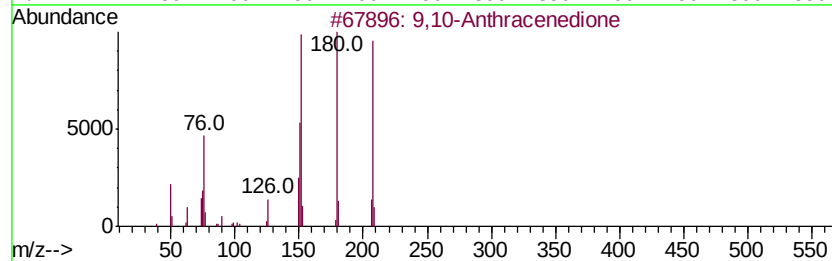
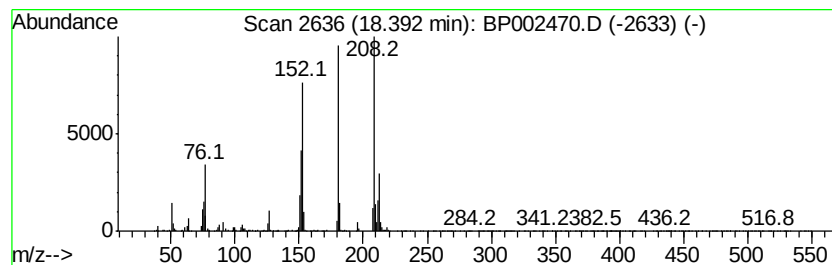
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.89 ng	434531	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5		1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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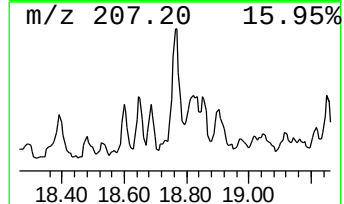
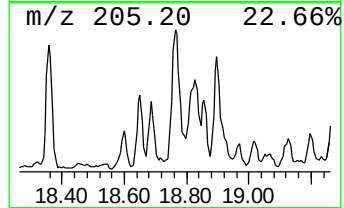
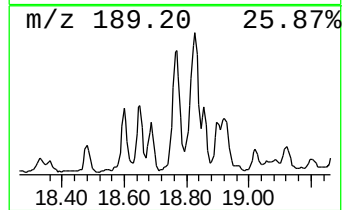
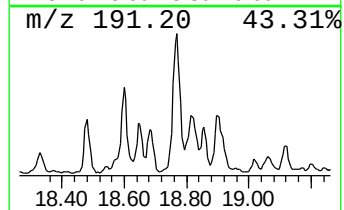
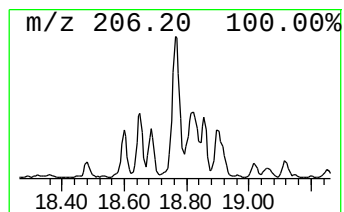
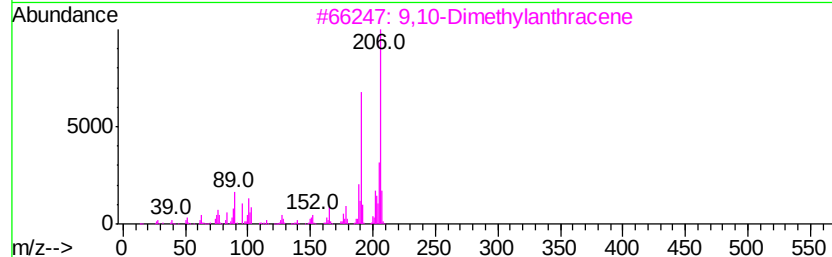
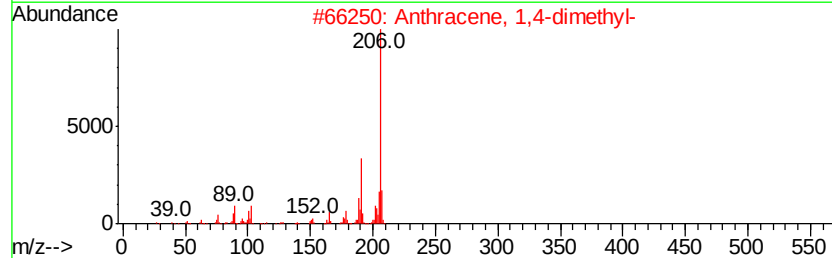
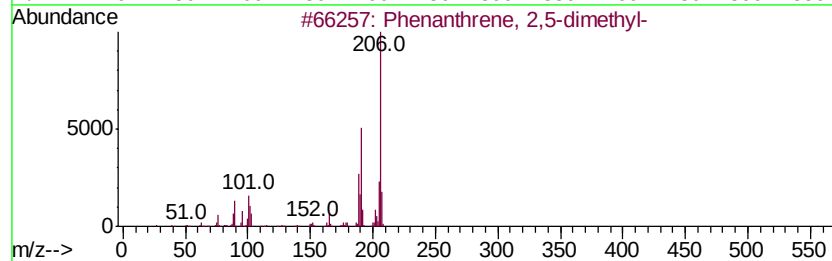
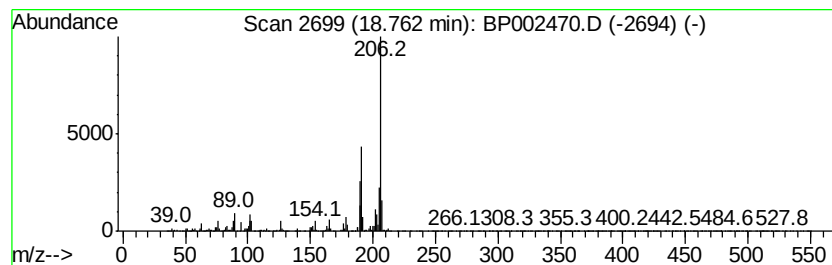
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.76	5.30 ng	798250	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002470.D
Acq On : 19 Jun 2020 21:42
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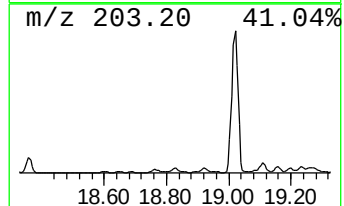
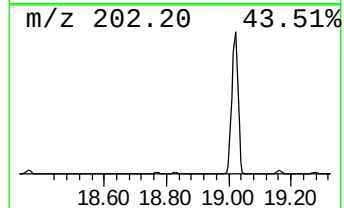
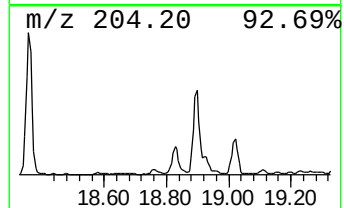
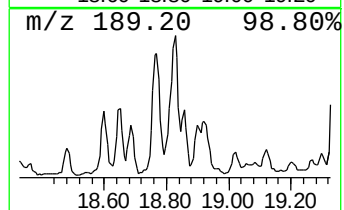
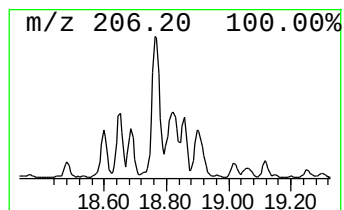
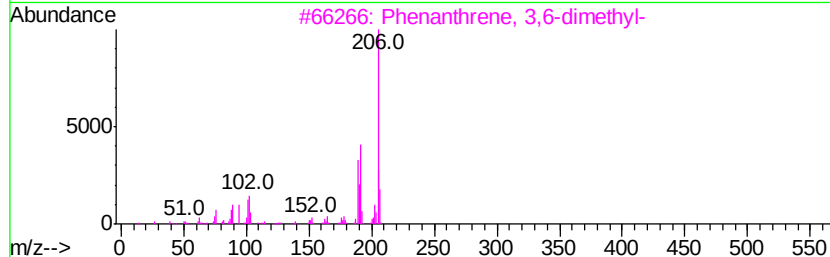
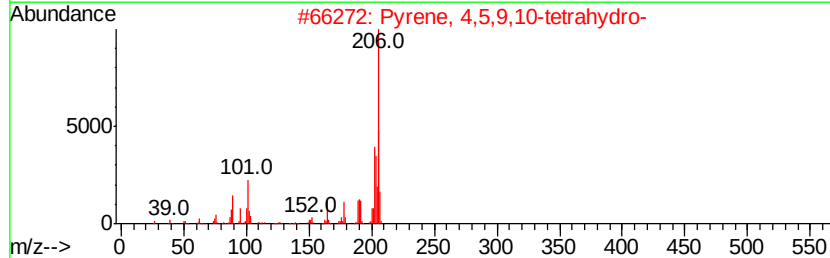
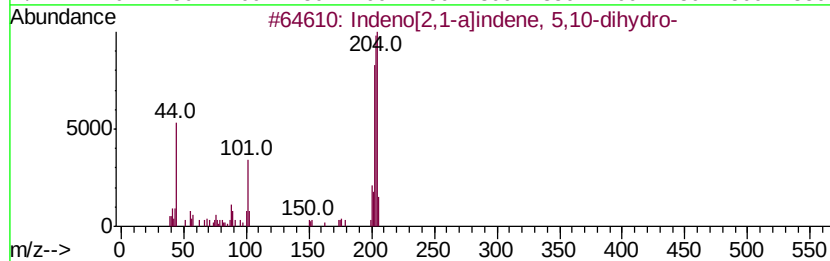
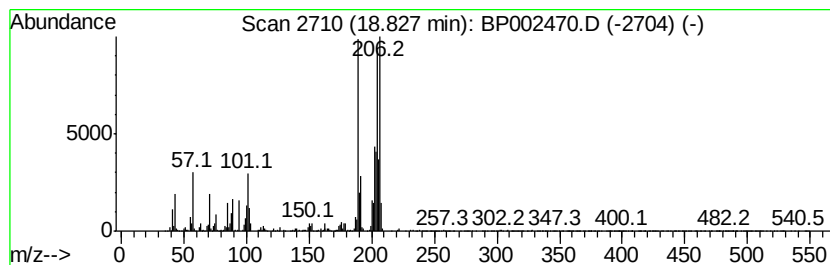
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown18.83 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.91 ng	589408	Phenanthrene-d10	16.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
2			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4			5H-Dibenzof[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
5			Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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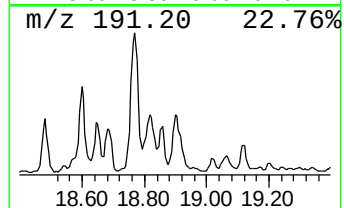
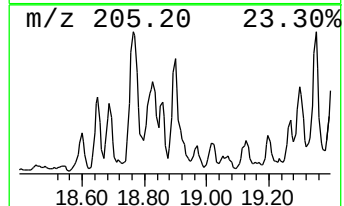
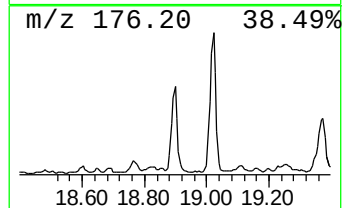
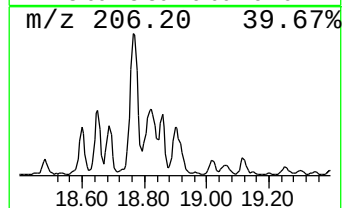
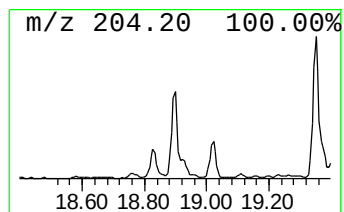
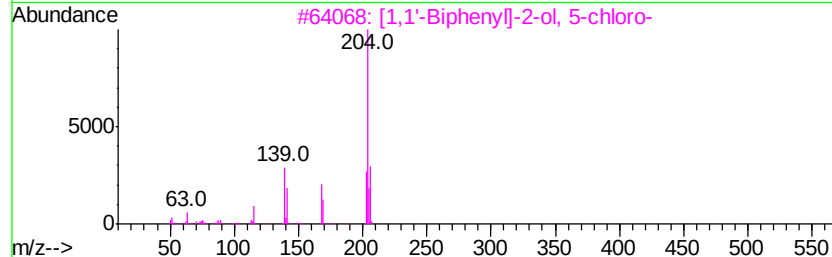
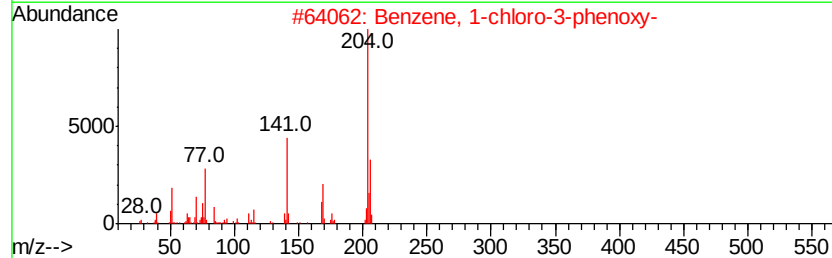
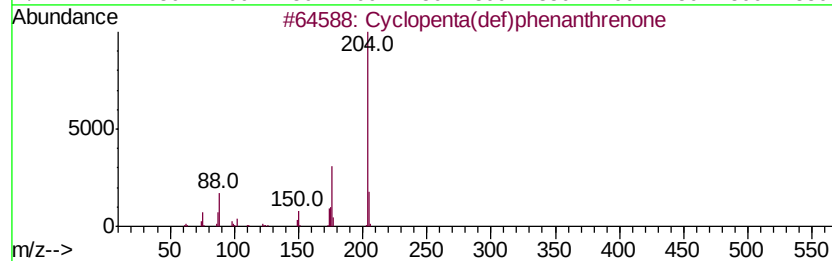
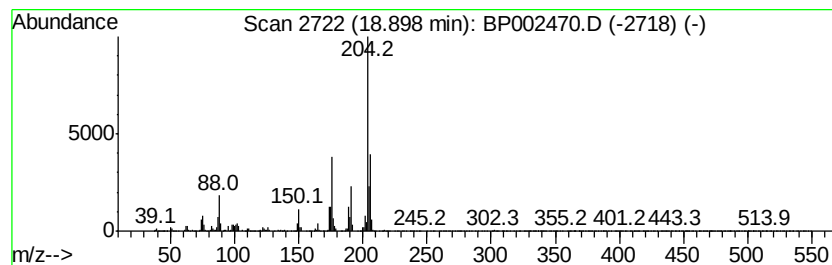
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	4.27 ng	643614	Phenanthrene-d10	16.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta(def)phenanthrenone	204 C15H8O	005737-13-3 96
2		Benzene, 1-chloro-3-phenoxy-	204 C12H9ClO	006452-49-9 43
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204 C12H9ClO	000607-12-5 43
4		2-Chloro-4-phenylphenol	204 C12H9ClO	000092-04-6 43
5		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247 C17H29N	1000063-59-3 43



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Acq On : 19 Jun 2020 21:42
Operator : CG/JU
Sample : L3056-02
Misc :
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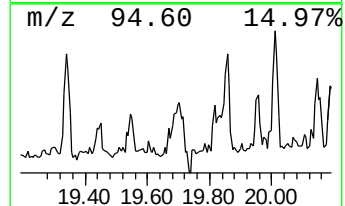
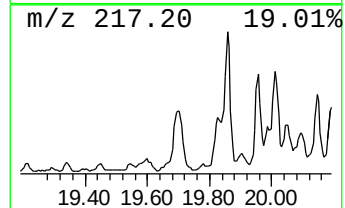
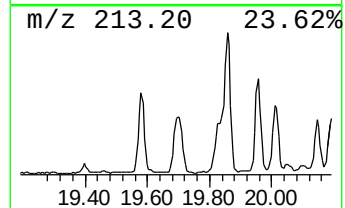
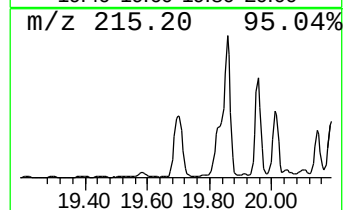
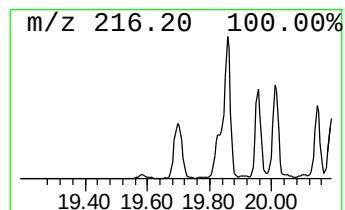
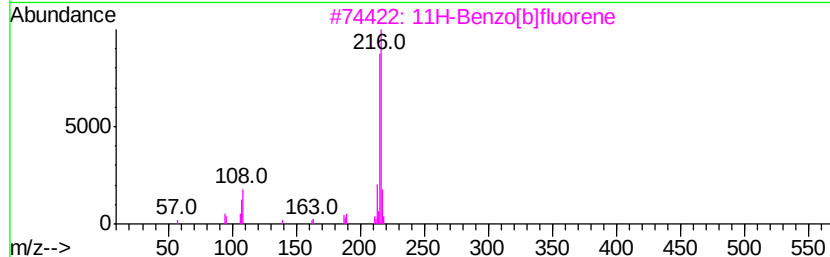
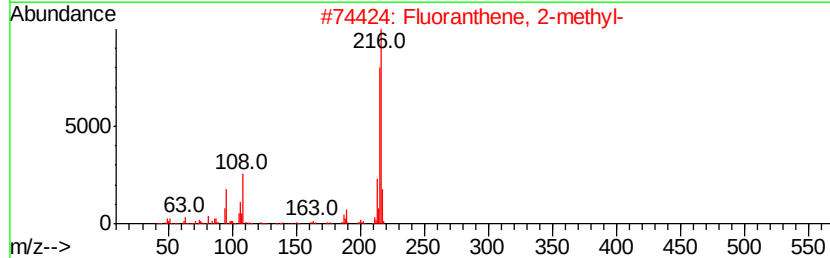
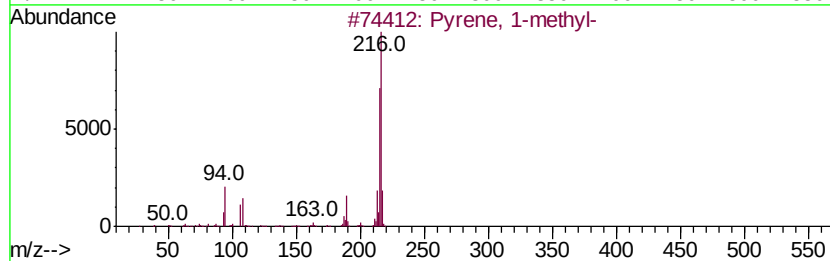
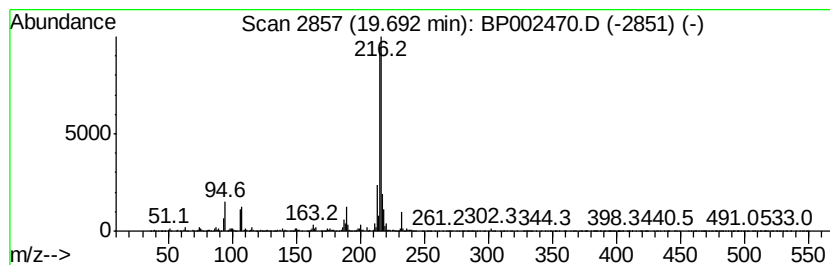
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.69	3.04 ng	968958	Chrysene-d12	21.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[blfluorene	216	C17H12	000243-17-4	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	62



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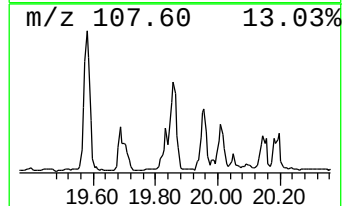
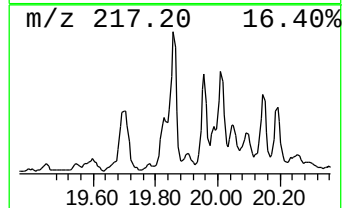
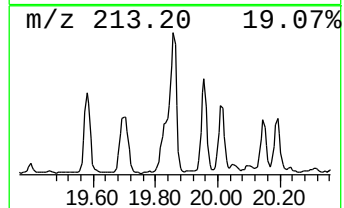
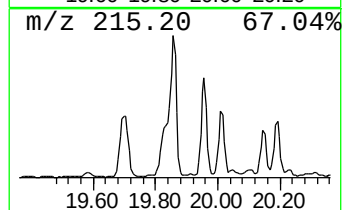
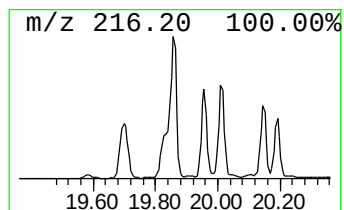
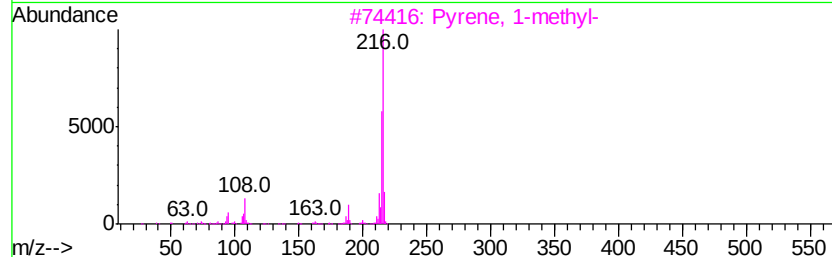
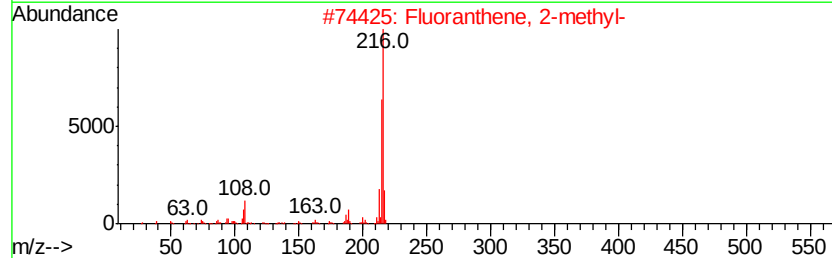
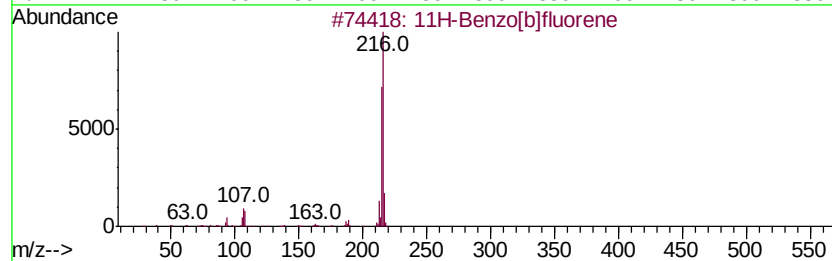
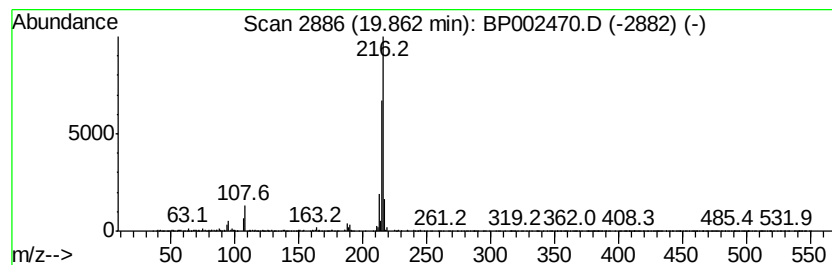
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	3.51 ng	1120480	Chrysene-d12	21.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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Operator : CG/JU
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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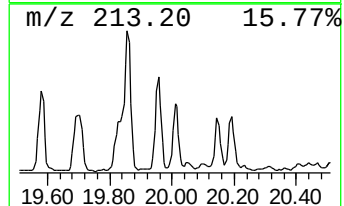
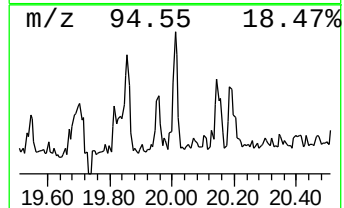
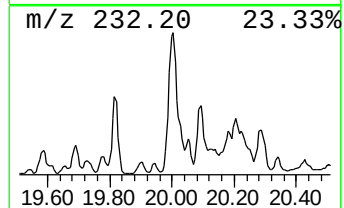
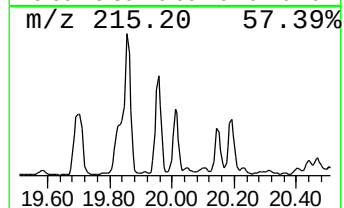
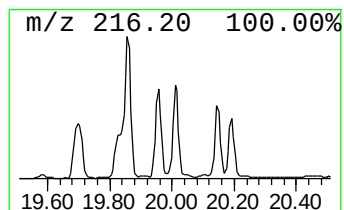
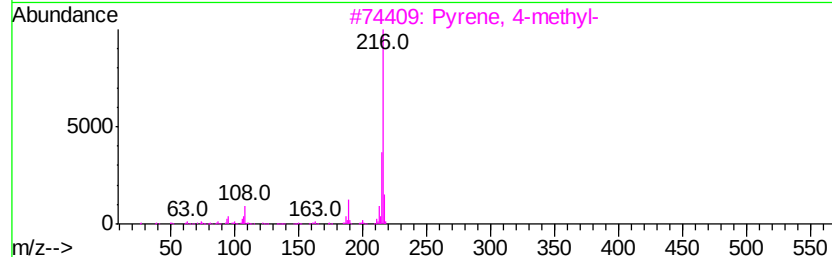
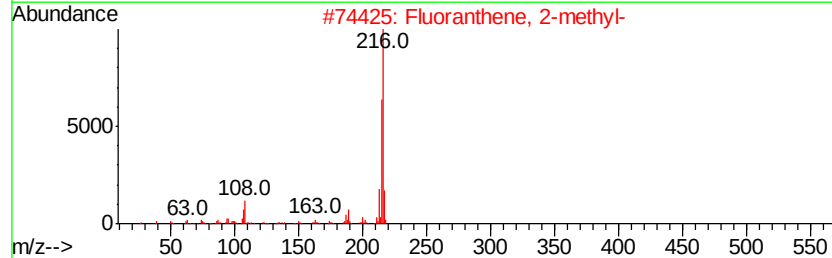
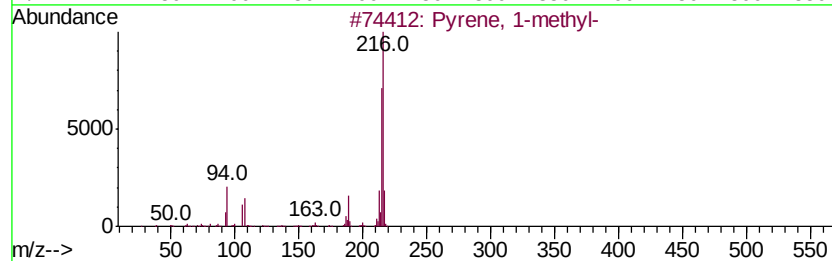
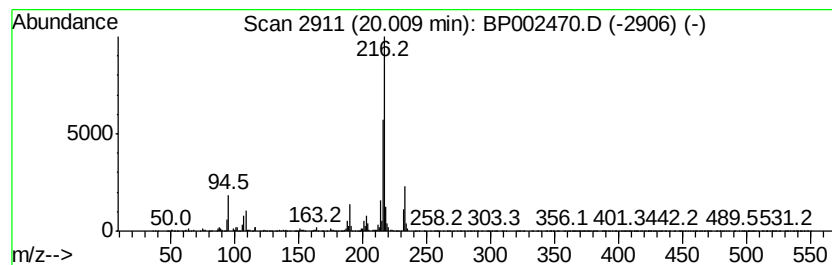
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	2.67 ng	853079	Chrysene-d12	21.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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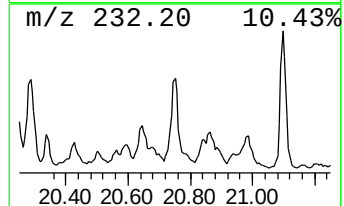
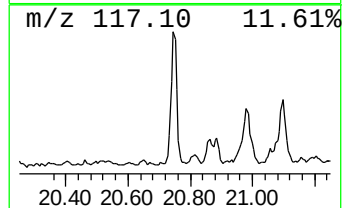
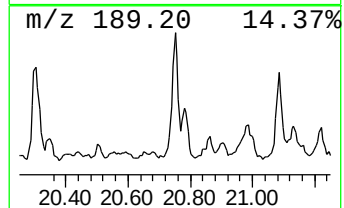
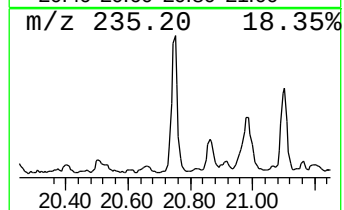
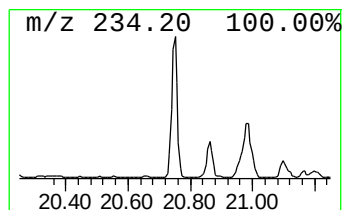
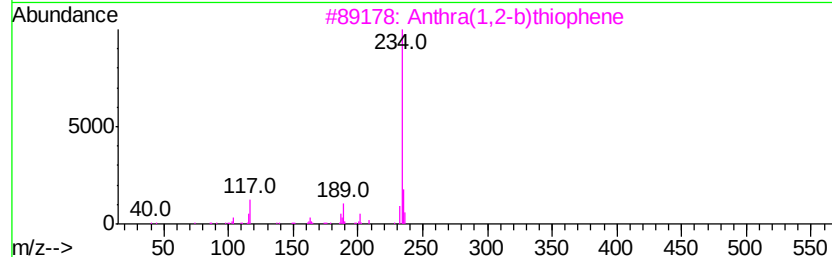
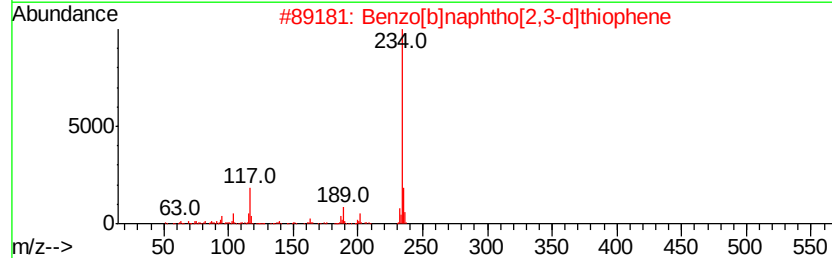
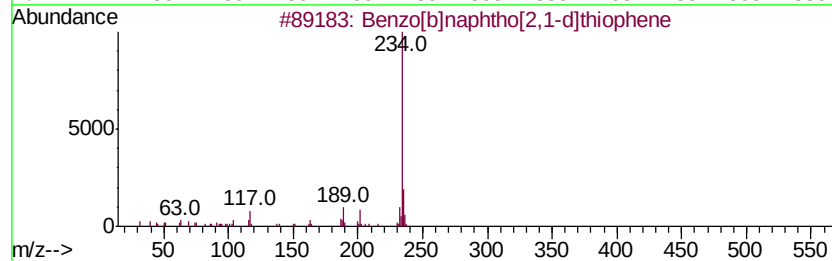
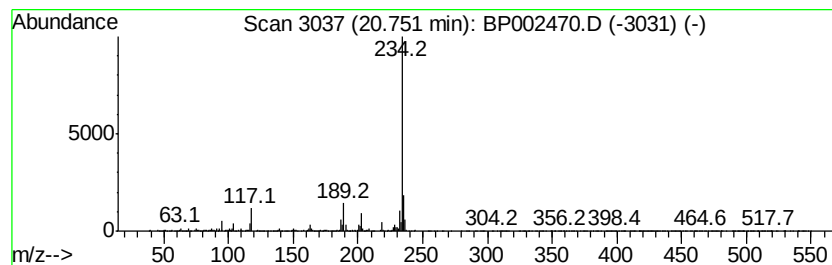
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.67 ng	851615	Chrysene-d12	21.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5		Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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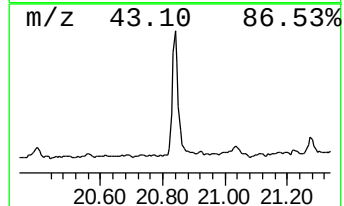
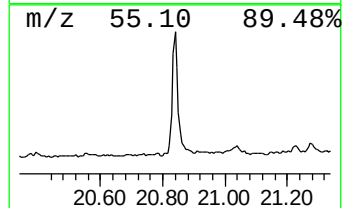
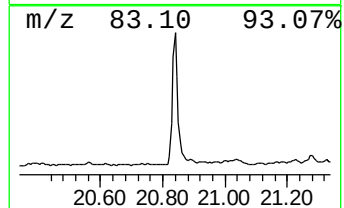
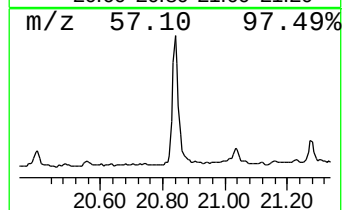
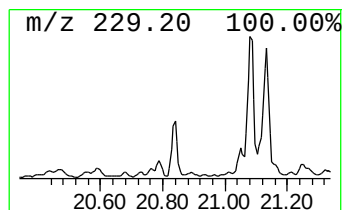
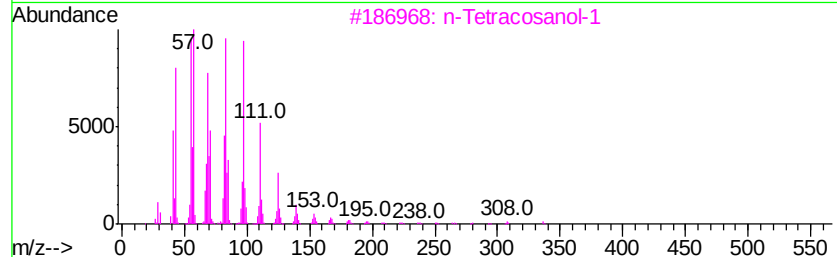
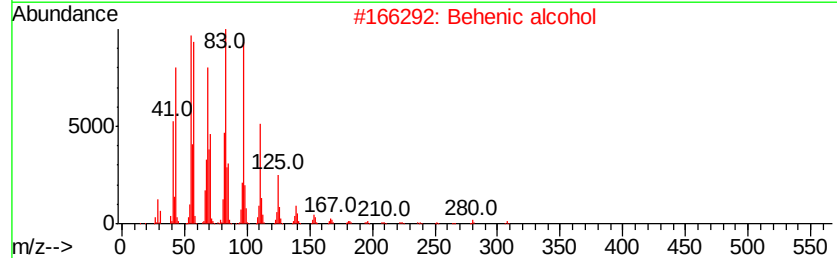
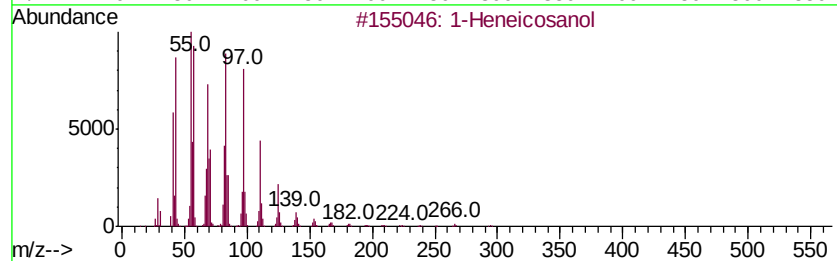
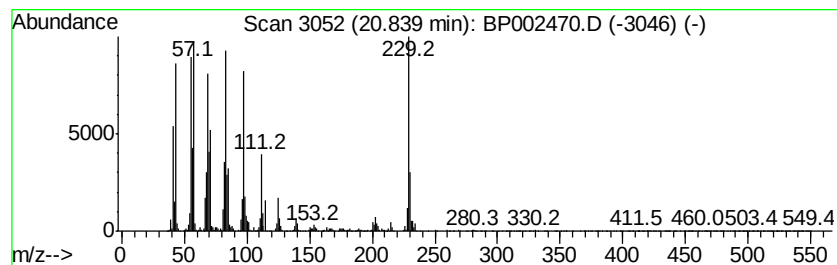
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 1-Heneicosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	5.93 ng	1893690	Chrysene-d12	21.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	92
2			Behenic alcohol	326	C22H46O	000661-19-8	89
3			n-Tetracosanol-1	354	C24H50O	000506-51-4	89
4			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	89
5			1-Nonadecene	266	C19H38	018435-45-5	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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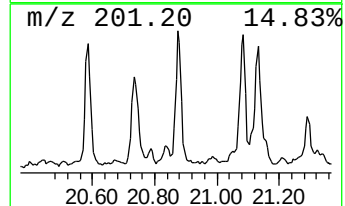
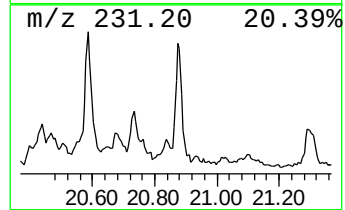
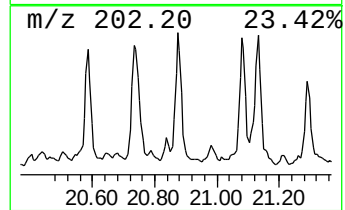
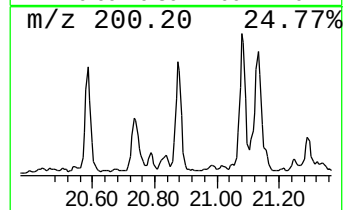
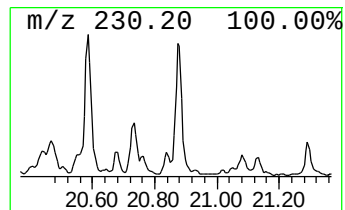
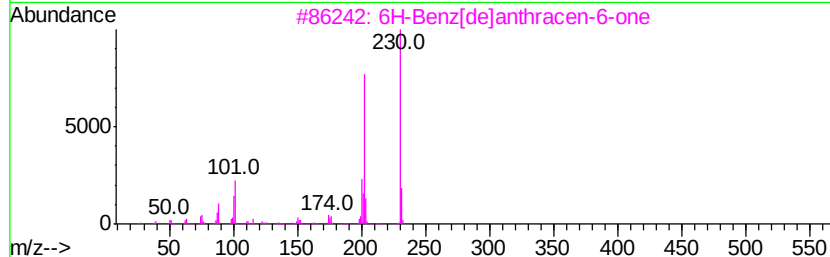
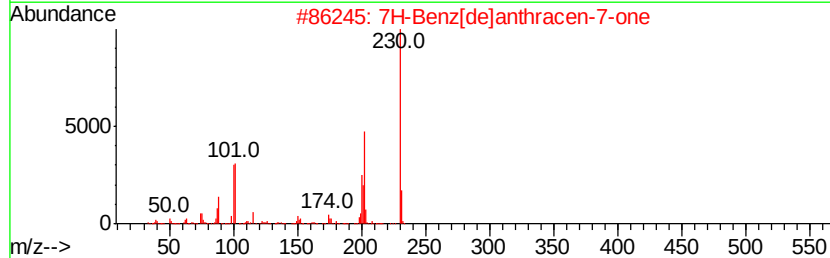
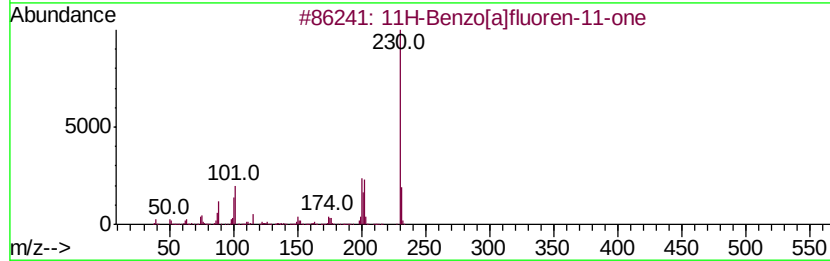
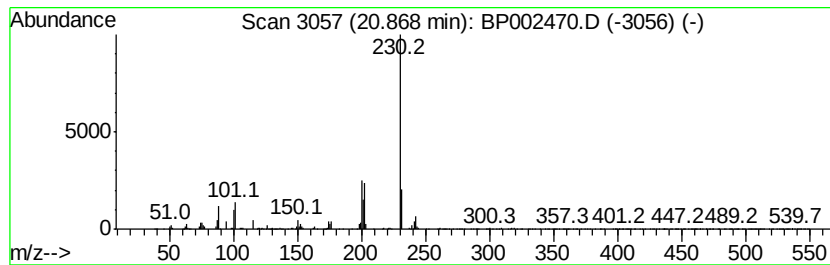
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.87	2.11 ng	673430	Chrysene-d12	21.10		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[alfluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	87
3		6H-Benz[delanthracen-6-one	230	C17H10O	080252-14-8	58
4		o-Terphenyl	230	C18H14	000084-15-1	53
5		5,6-Dihydrochrysene	230	C18H14	002091-92-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
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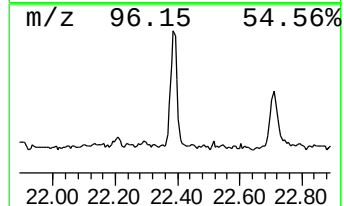
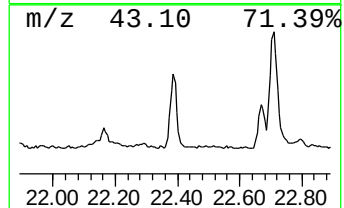
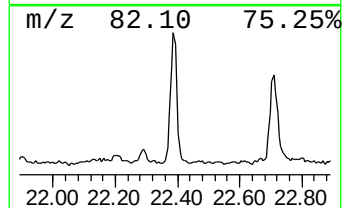
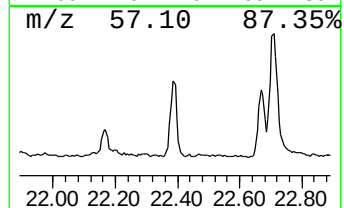
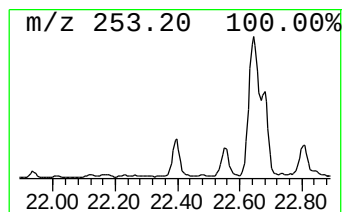
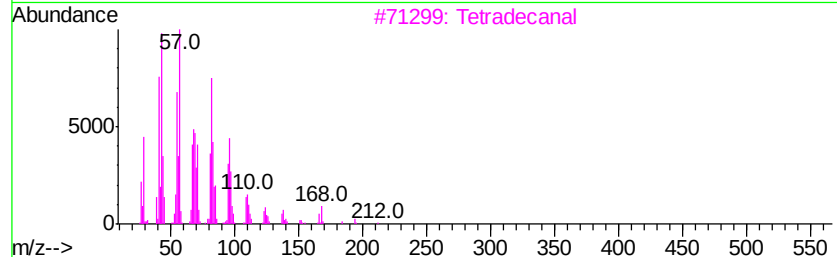
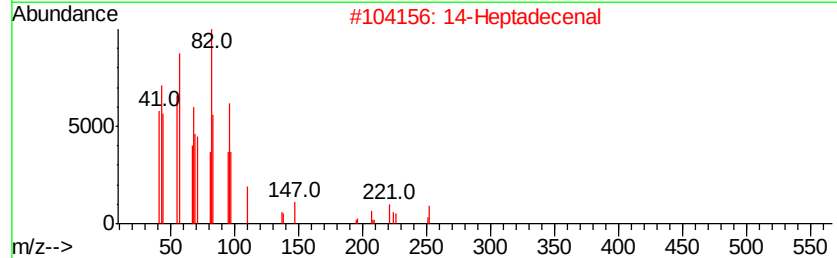
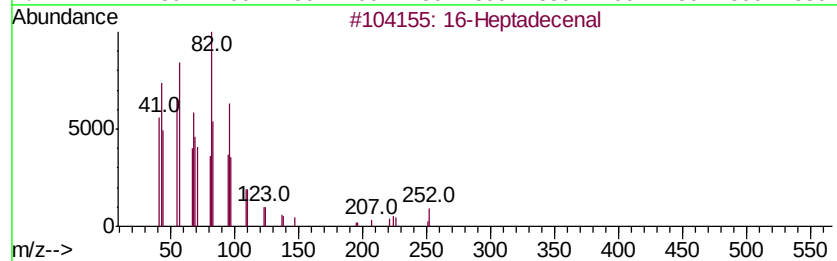
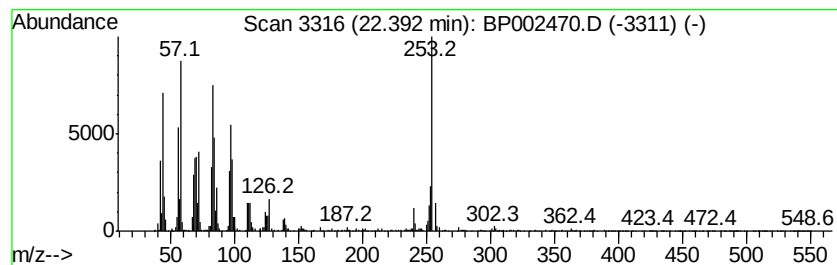
Instrument :
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ClientSampleId :
SAMPLE-B-LOT-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 16-Heptadecenal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.39	9.51 ng	1025520	Perylene-d12	23.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Heptadecenal	252	C17H32O	1000144-57-9	86
2	14-Heptadecenal	252	C17H32O	1000144-58-0	86
3	Tetradecanal	212	C14H28O	000124-25-4	70
4	Heptadecanal	254	C17H34O	1000376-70-0	64
5	Octadecanal	268	C18H36O	000638-66-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
Data File : BP002470.D
Acq On : 19 Jun 2020 21:42
Operator : CG/JU
Sample : L3056-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

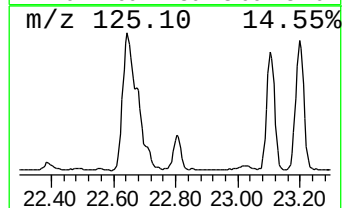
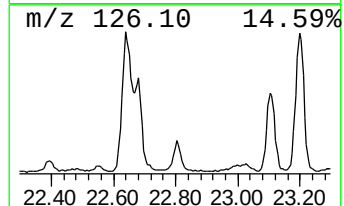
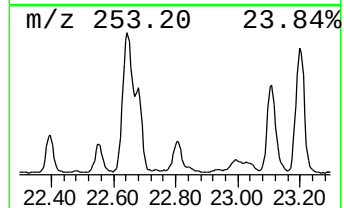
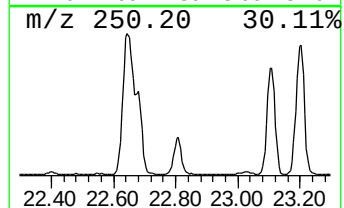
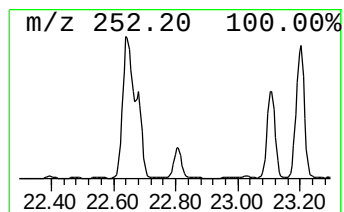
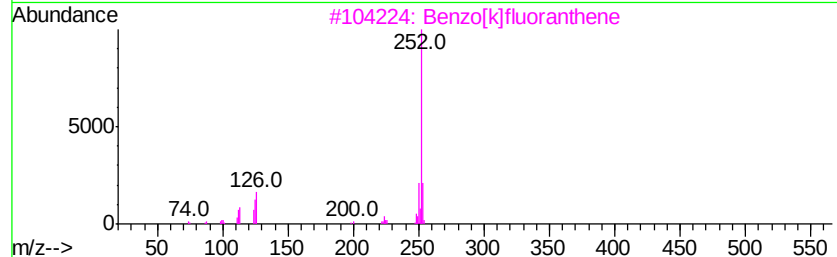
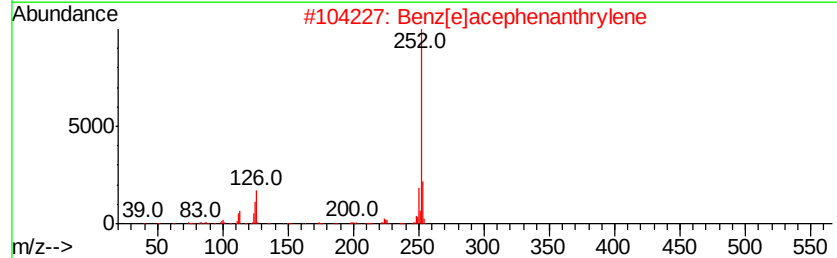
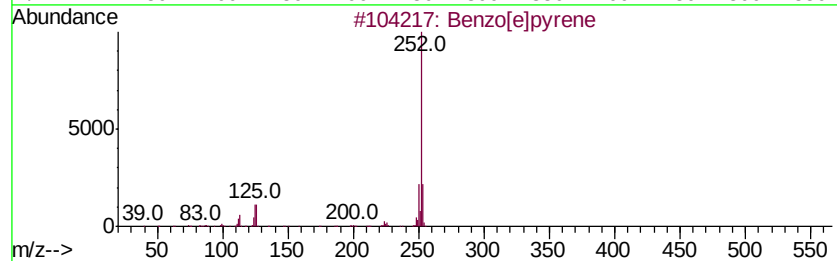
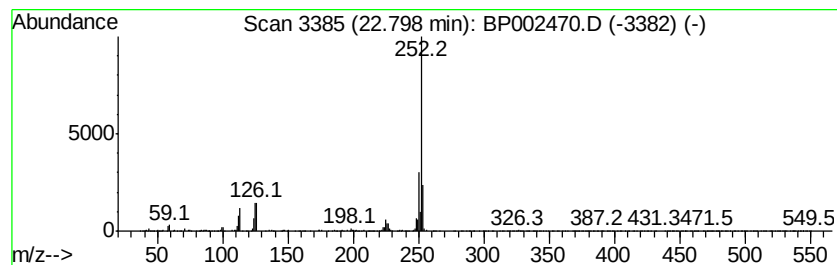
Instrument :
BNA_P
ClientSampleId :
SAMPLE-B-LOT-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.80	5.76 ng	620637	Perylene-d12	23.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 95
2		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 93
3		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93
4		Benzo[i]fluoranthene	252 C20H12	000205-82-3 91
5		Benzo[a]pyrene	252 C20H12	000050-32-8 91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP061920\
 Data File : BP002470.D
 Acq On : 19 Jun 2020 21:42
 Operator : CG/JU
 Sample : L3056-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SAMPLE-B-LOT-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP060520.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
Anthracene, 2-met...	17.87	6.7 ng		1004340	4	16.99	3012110	20.0
Phenanthrene, 2-m...	17.92	11.9 ng		1786780	4	16.99	3012110	20.0
1H-Cyclopropa[l]p...	17.99	4.0 ng		601908	4	16.99	3012110	20.0
4H-Cyclopenta[def...	18.06	11.9 ng		1785860	4	16.99	3012110	20.0
1H-Indene, 2-phenyl-	18.09	3.5 ng		531060	4	16.99	3012110	20.0
Tricyclo[8.2.2.2(...	18.36	4.1 ng		615339	4	16.99	3012110	20.0
9,10-Anthracenedione	18.39	2.9 ng		434531	4	16.99	3012110	20.0
Phenanthrene, 2,5...	18.76	5.3 ng		798250	4	16.99	3012110	20.0
unknown18.83	18.83	3.9 ng		589408	4	16.99	3012110	20.0
Cyclopenta(def)ph...	18.90	4.3 ng		643614	4	16.99	3012110	20.0
Pyrene, 1-methyl-	19.69	3.0 ng		968958	5	21.10	6383160	20.0
11H-Benzo[b]fluorene	19.86	3.5 ng		1120480	5	21.10	6383160	20.0
Fluoranthene, 2-m...	20.01	2.7 ng		853079	5	21.10	6383160	20.0
Benzo[b]naphtho[2...	20.75	2.7 ng		851615	5	21.10	6383160	20.0
1-Heneicosanol	20.84	5.9 ng		1893690	5	21.10	6383160	20.0
11H-Benzo[a]fluor...	20.87	2.1 ng		673430	5	21.10	6383160	20.0
16-Heptadecenal	22.39	9.5 ng		1025520	6	23.30	2156160	20.0
Benzo[e]pyrene	22.80	5.8 ng		620637	6	23.30	2156160	20.0