

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
 Data File : BP002310.D
 Acq On : 28 May 2020 15:24
 Operator : CG/JU
 Sample : L2768-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 371

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-BP052720.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	5.223	391	397	407	rBV	3095308	4646375	48.34%	4.161%
2	6.793	654	664	672	rBV	3262968	5262262	54.75%	4.712%
3	7.605	793	802	812	rBV	1138332	1784274	18.56%	1.598%
4	7.922	845	856	864	rBV	2815307	4586312	47.72%	4.107%
5	8.746	986	996	1006	rBV	2220061	3637717	37.85%	3.258%
6	10.375	1266	1273	1280	rBV	1548391	2568037	26.72%	2.300%
7	12.869	1689	1697	1708	rVB	4935910	7687197	79.98%	6.884%
8	13.710	1831	1840	1847	rBV	573825	842187	8.76%	0.754%
9	13.963	1878	1883	1895	rVB	199916	315295	3.28%	0.282%
10	14.246	1924	1931	1937	rBV2	2189719	3220214	33.50%	2.884%
11	14.310	1937	1942	1951	rVB	118984	183625	1.91%	0.164%
12	14.651	1994	2000	2005	rBV2	59163	101289	1.05%	0.091%
13	15.298	2105	2110	2118	rBV2	128931	203861	2.12%	0.183%
14	15.740	2178	2185	2197	rBV	3522330	5158645	53.67%	4.619%
15	15.969	2219	2224	2230	rBV3	89664	154875	1.61%	0.139%
16	16.310	2273	2282	2287	rBV4	36315	99259	1.03%	0.089%
17	16.651	2336	2340	2349	rVB5	48978	106006	1.10%	0.095%
18	16.740	2351	2355	2361	rBV3	52794	114992	1.20%	0.103%
19	16.998	2393	2399	2403	rBV	2566782	3651842	38.00%	3.270%
20	17.040	2403	2406	2412	rVV	951761	1248332	12.99%	1.118%
21	17.134	2412	2422	2427	rVV	601904	910189	9.47%	0.815%
22	17.198	2428	2433	2440	rVV4	78088	142671	1.48%	0.128%
23	17.404	2464	2468	2473	rVB2	128394	199054	2.07%	0.178%
24	17.875	2544	2548	2552	rBV	183189	252372	2.63%	0.226%
25	17.922	2552	2556	2564	rVV2	427436	627227	6.53%	0.562%
26	17.998	2564	2569	2574	rVB2	249100	355099	3.69%	0.318%
27	18.063	2574	2580	2584	rBV2	504522	888257	9.24%	0.795%
28	18.098	2584	2586	2591	rVB	169235	194214	2.02%	0.174%
29	18.363	2628	2631	2634	rBV	148136	181052	1.88%	0.162%
30	18.392	2634	2636	2644	rVB4	115259	175257	1.82%	0.157%
31	18.604	2669	2672	2676	rVB	84513	103164	1.07%	0.092%
32	18.657	2677	2681	2683	rBV	88899	96130	1.00%	0.086%
33	18.692	2683	2687	2691	rVB	137730	171276	1.78%	0.153%
34	18.769	2695	2700	2705	rBV	274838	441516	4.59%	0.395%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.834	2705	2711	2714	rVV3	183394	329972	3.43%	0.295%
36	18.898	2718	2722	2730	rVB	618687	901928	9.38%	0.808%
37	19.022	2738	2743	2749	rBV	4264103	5546075	57.70%	4.966%
38	19.169	2764	2768	2771	rBV2	130458	155774	1.62%	0.139%
39	19.257	2780	2783	2789	rVB2	119258	141326	1.47%	0.127%
40	19.375	2794	2803	2812	rBV	5300431	8256070	85.90%	7.393%
41	19.457	2812	2817	2823	rVB2	158420	336338	3.50%	0.301%
42	19.551	2829	2833	2834	rBV	296208	328540	3.42%	0.294%
43	19.586	2834	2839	2849	rVB	7015426	9611253	100.00%	8.607%
44	19.704	2852	2859	2863	rBV3	462477	1031896	10.74%	0.924%
45	19.828	2875	2880	2883	rVV4	509207	986689	10.27%	0.884%
46	19.857	2883	2885	2890	rVB	669354	838062	8.72%	0.750%
47	19.957	2898	2902	2905	rBV2	499814	581252	6.05%	0.521%
48	20.010	2905	2911	2915	rVV2	655401	1088739	11.33%	0.975%
49	20.051	2915	2918	2922	rVB2	205688	254953	2.65%	0.228%
50	20.151	2931	2935	2938	rBV	472997	598205	6.22%	0.536%
51	20.192	2938	2942	2947	rVV2	354045	497591	5.18%	0.446%
52	20.404	2975	2978	2981	rBV2	158425	220967	2.30%	0.198%
53	20.586	3006	3009	3016	rVB	357781	538994	5.61%	0.483%
54	20.751	3031	3037	3040	rBV3	369507	687443	7.15%	0.616%
55	20.786	3040	3043	3046	rVV2	410774	439040	4.57%	0.393%
56	20.839	3046	3052	3056	rBV3	799860	1525064	15.87%	1.366%
57	21.045	3084	3087	3089	rBV2	185777	235070	2.45%	0.211%
58	21.092	3089	3095	3099	rVV2	3669904	7582567	78.89%	6.790%
59	21.133	3099	3102	3109	rVB	2104180	2895185	30.12%	2.593%
60	21.216	3113	3116	3118	rBV	128910	142282	1.48%	0.127%
61	21.245	3118	3121	3126	rBV	398199	680794	7.08%	0.610%
62	21.398	3143	3147	3153	rBV2	305892	462247	4.81%	0.414%
63	21.586	3176	3179	3182	rBV	150812	190366	1.98%	0.170%
64	21.639	3185	3188	3192	rVB	425840	504608	5.25%	0.452%
65	21.692	3194	3197	3199	rBV2	207701	240315	2.50%	0.215%
66	21.833	3217	3221	3223	rBV	223055	302531	3.15%	0.271%
67	22.098	3263	3266	3271	rVB	171528	213231	2.22%	0.191%
68	22.639	3352	3358	3363	rBV2	1830361	4212139	43.83%	3.772%
69	22.804	3382	3386	3392	rVB	308108	480928	5.00%	0.431%
70	23.104	3432	3437	3445	rVB	912395	1702275	17.71%	1.524%
71	23.198	3447	3453	3458	rBV	979900	1875348	19.51%	1.679%

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Integration Parameters: rteint.p
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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

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72	23.292	3463	3469	3475	rBV	1888613	3310190	34.44%	2.964%
73	25.498	3838	3844	3858	rVB3	460769	1434803	14.93%	1.285%

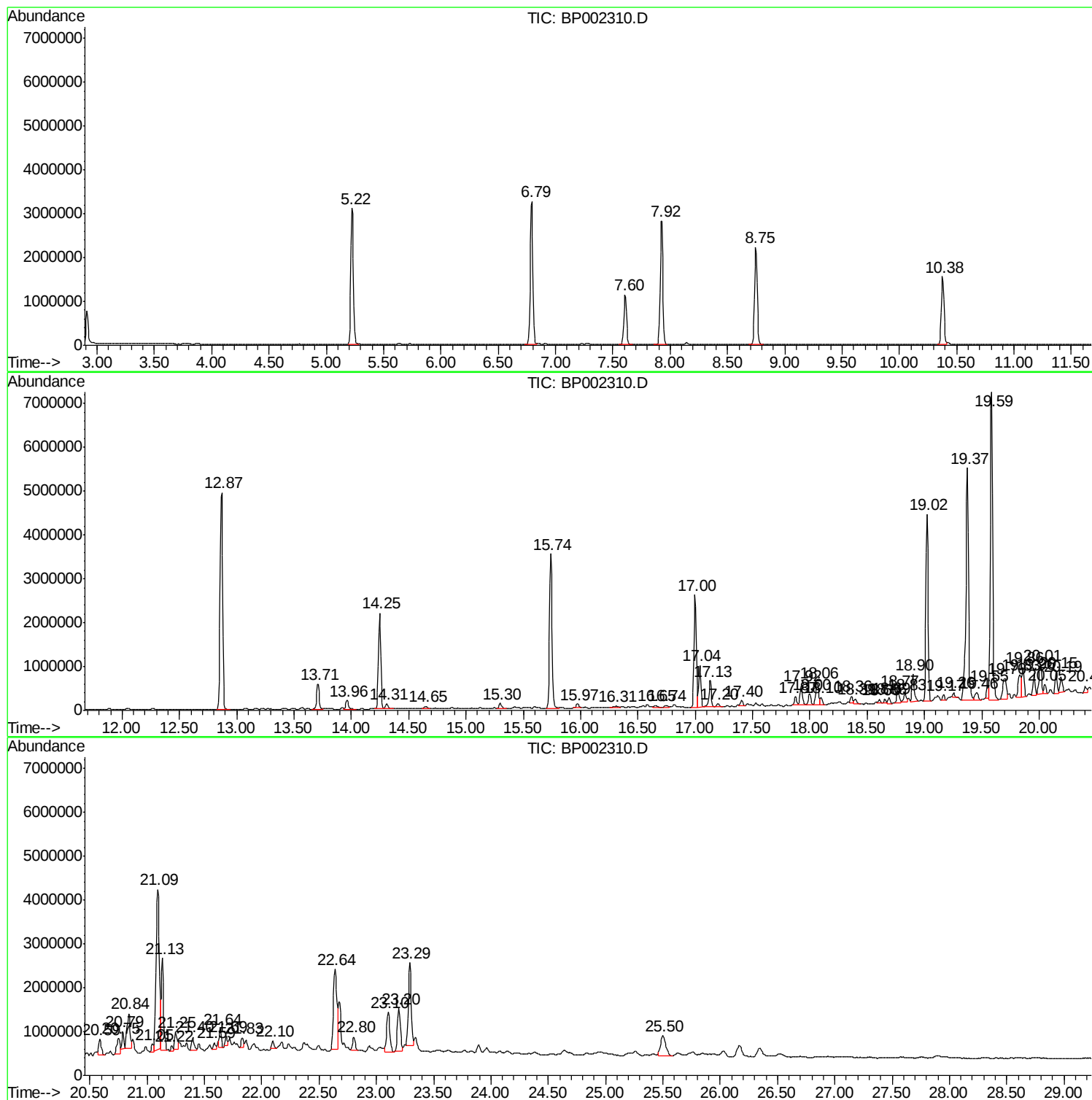
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampled :
371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
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Instrument :
BNA_P
ClientSampleId :
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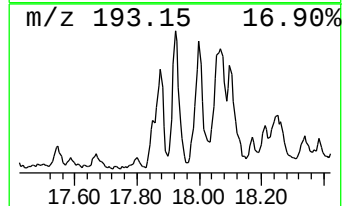
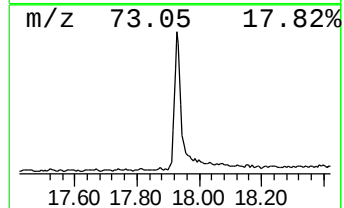
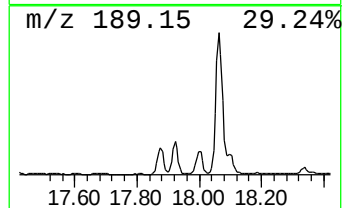
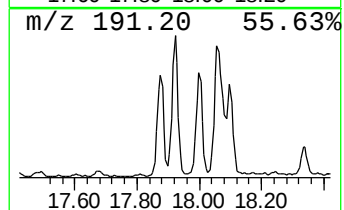
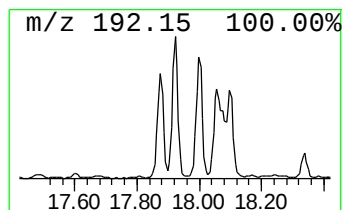
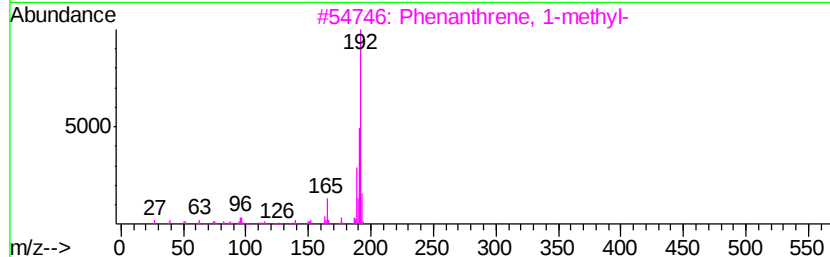
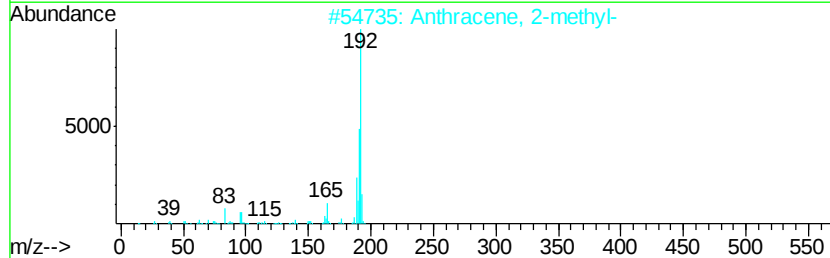
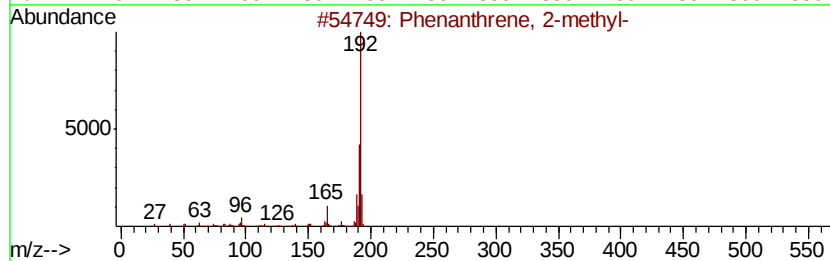
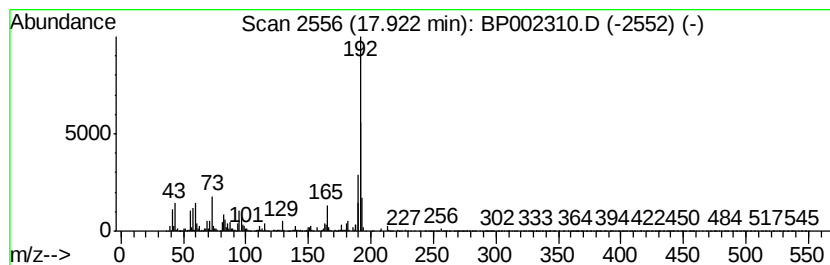
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	3.44 ng	627227	Phenanthrene-d10	17.00

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



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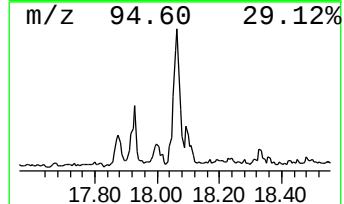
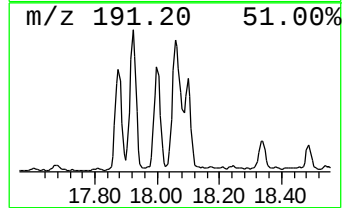
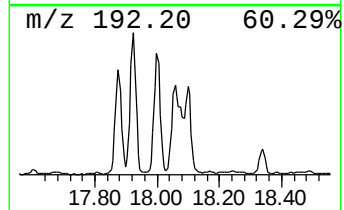
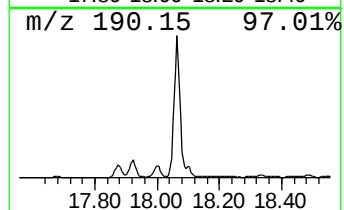
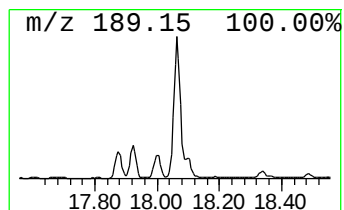
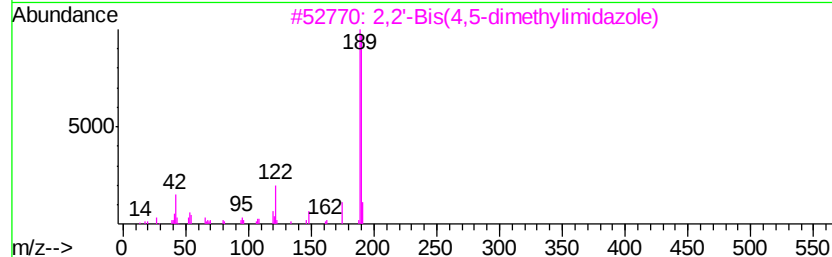
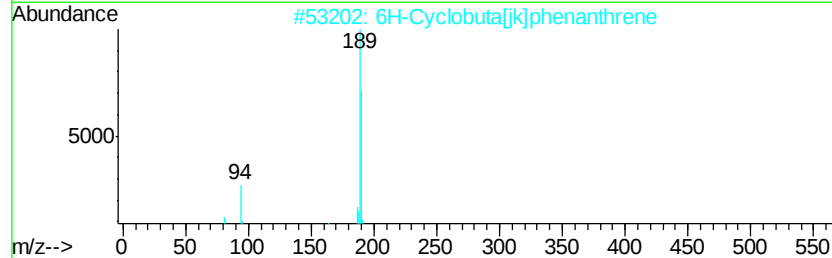
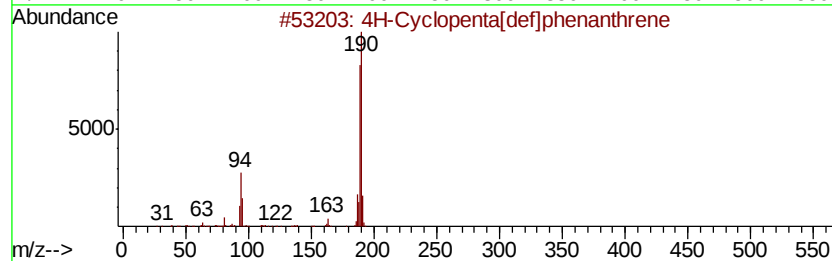
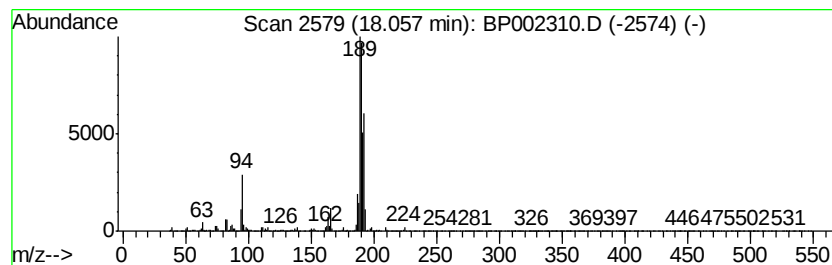
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.86 ng	888257	Phenanthrene-d10	17.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	45
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
4		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	16
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	12



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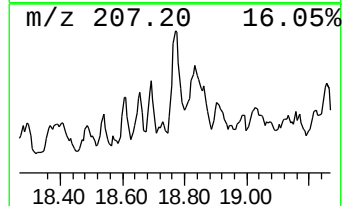
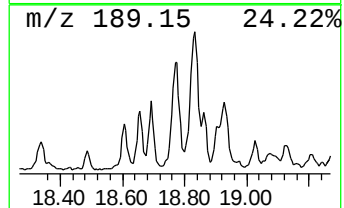
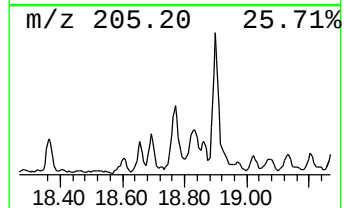
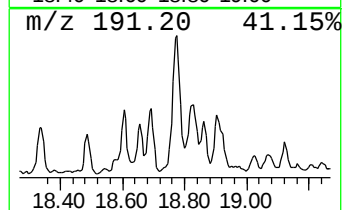
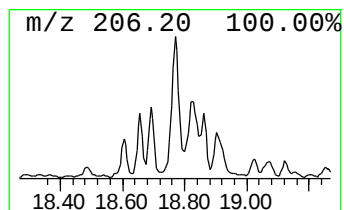
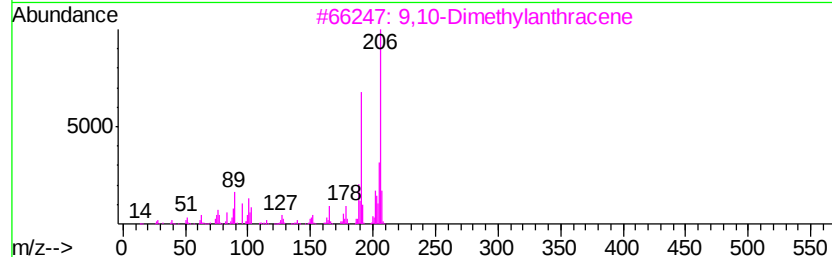
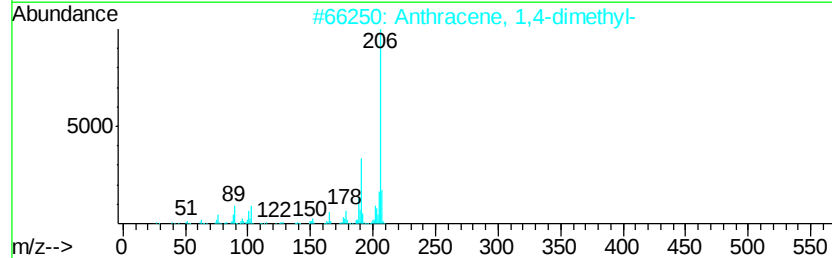
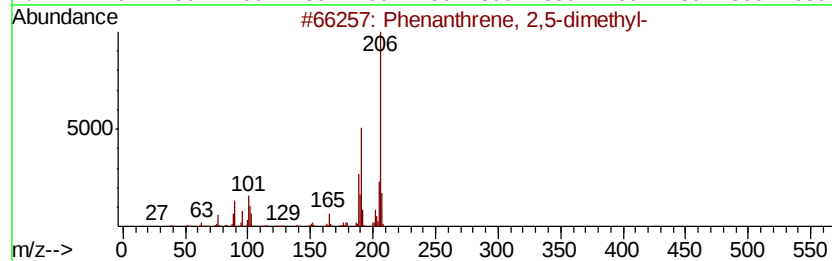
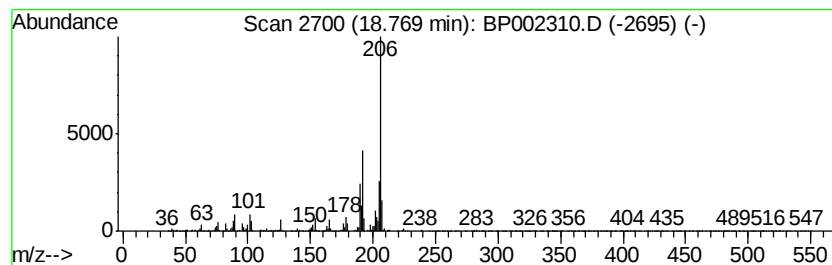
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.42 ng	441516	Phenanthrene-d10	17.00

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	91
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



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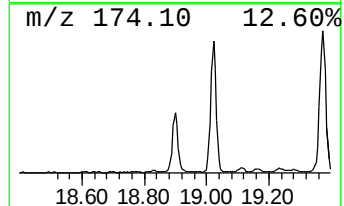
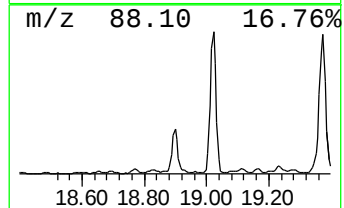
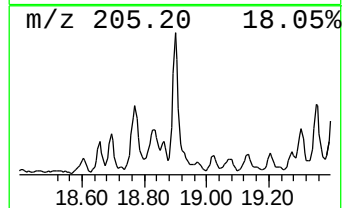
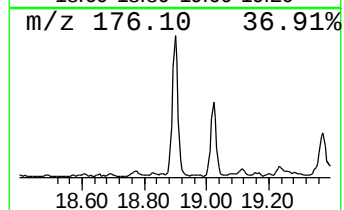
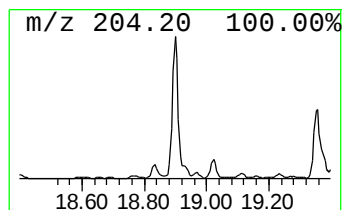
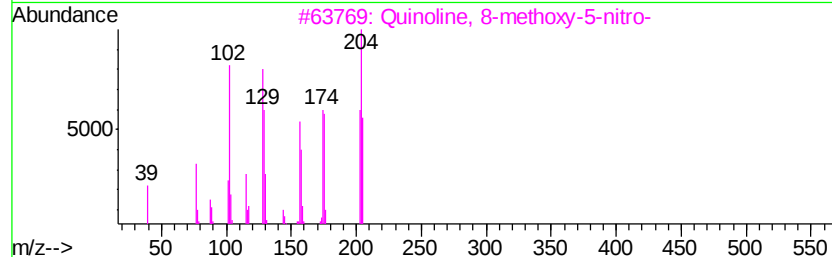
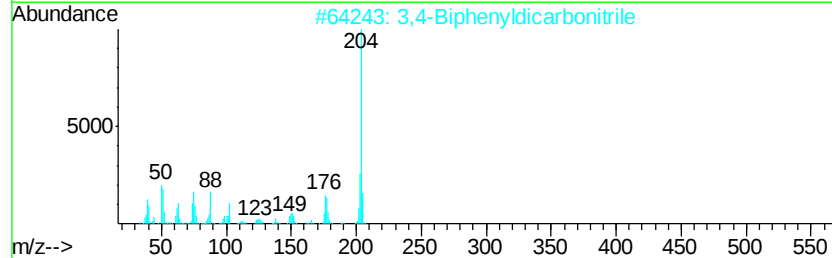
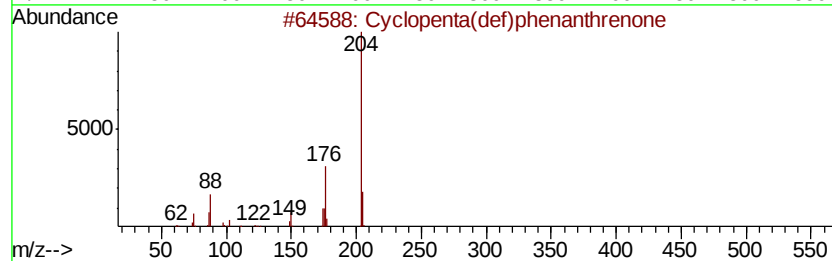
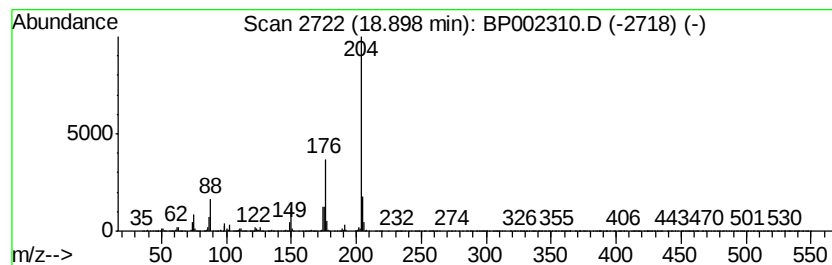
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.90	4.94 ng	901928	Phenanthrene-d10	17.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

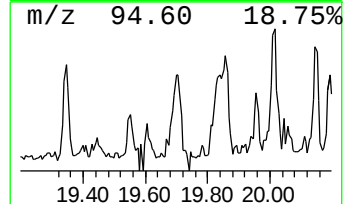
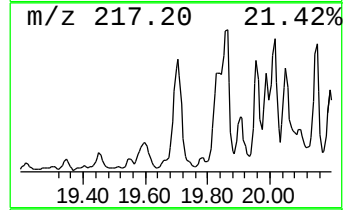
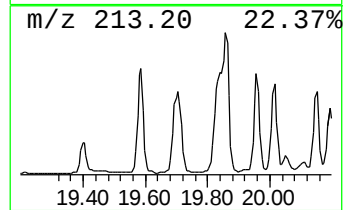
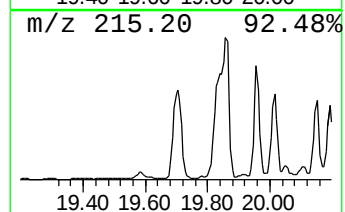
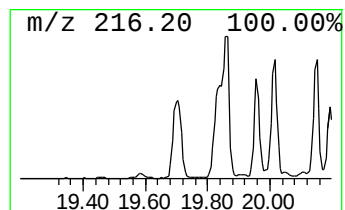
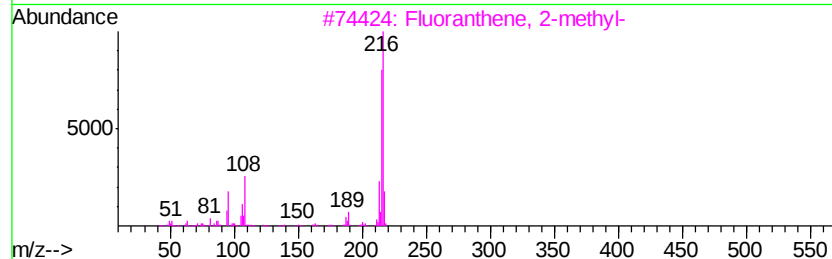
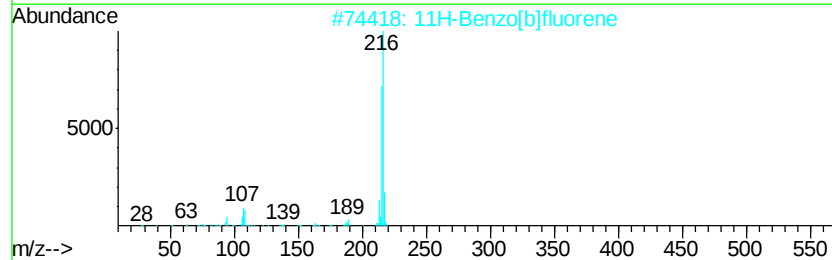
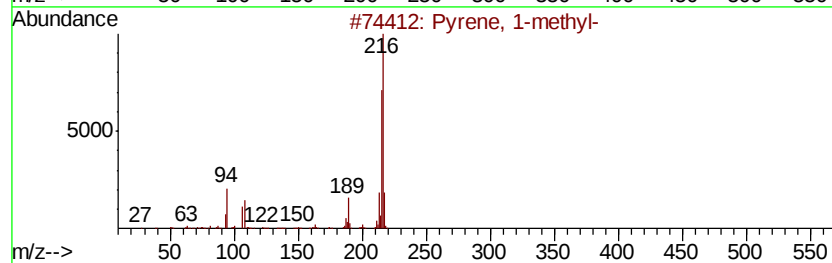
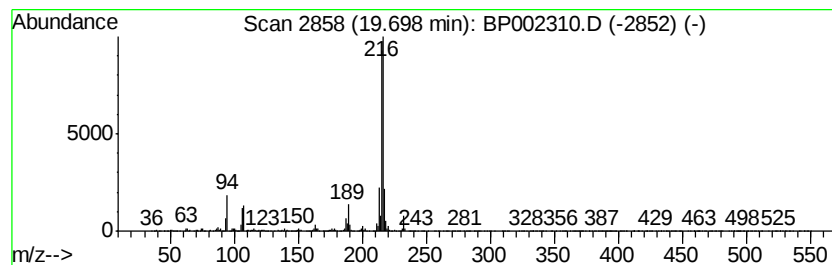
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.72 ng	1031900	Chrysene-d12	21.10
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 97
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 93
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
4		Pyrene, 2-methyl-	216 C17H12	003442-78-2 76
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 74



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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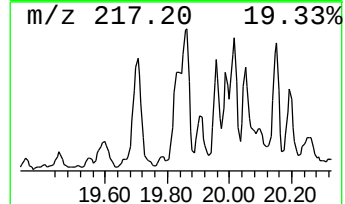
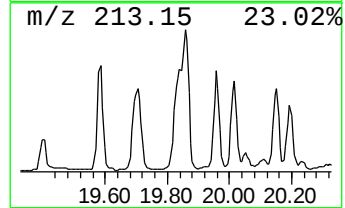
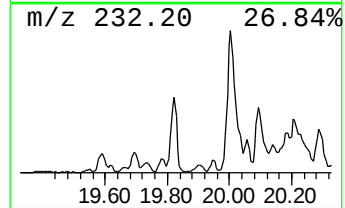
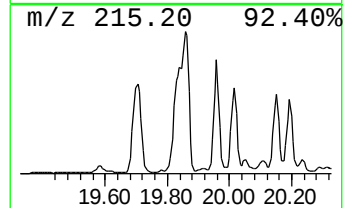
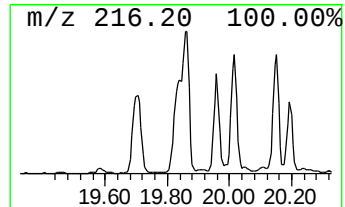
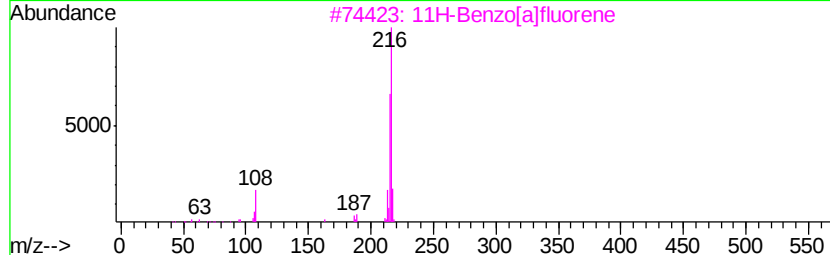
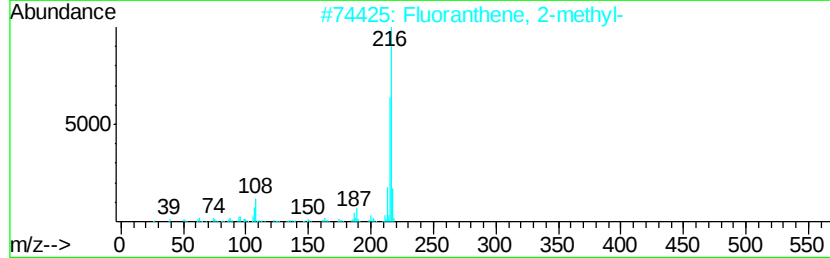
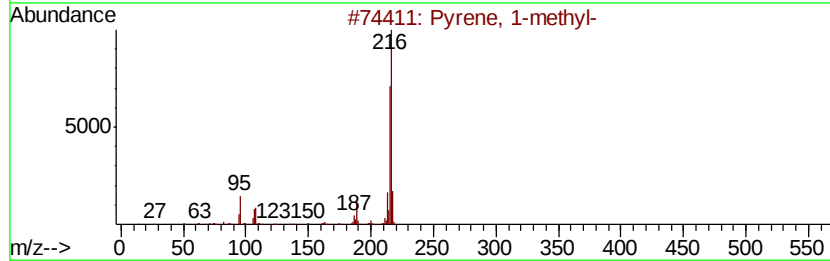
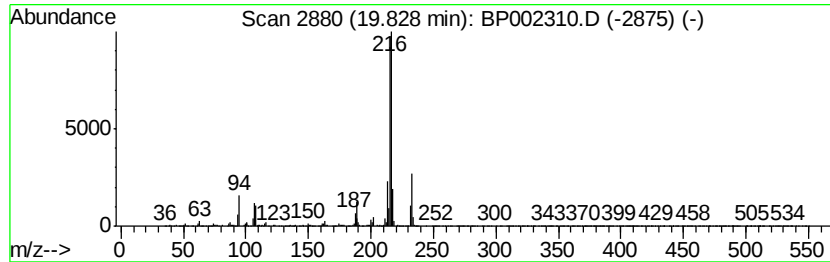
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.60 ng	986689	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	91
3		11H-Benzof[al]fluorene	216	C17H12	000238-84-6	89
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
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Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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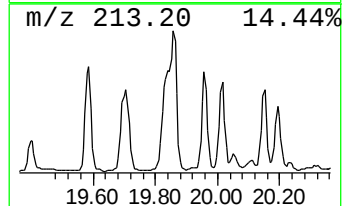
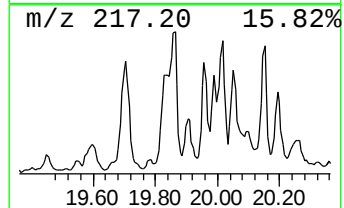
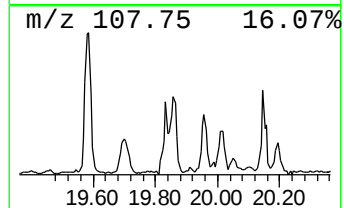
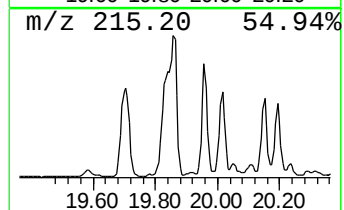
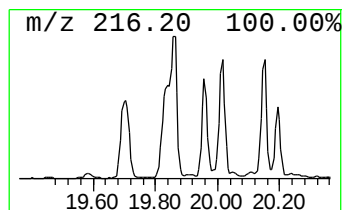
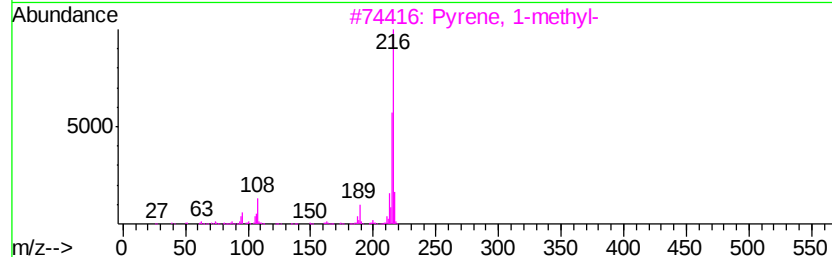
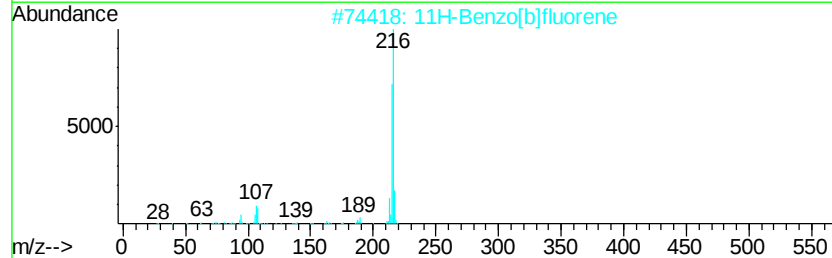
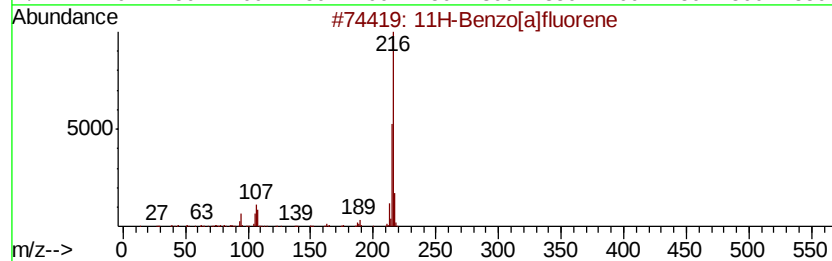
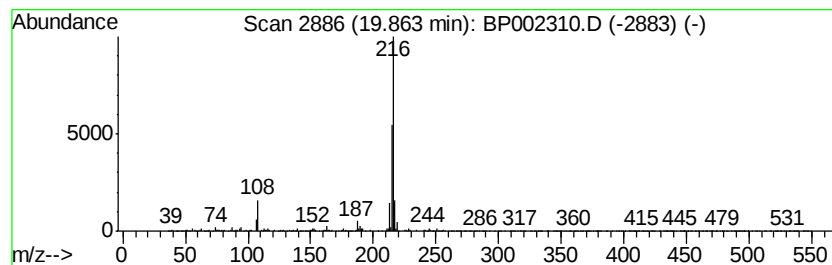
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	2.21 ng	838062	Chrysene-d12	21.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	72
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
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ALS Vial : 11 Sample Multiplier: 1

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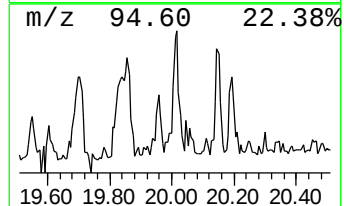
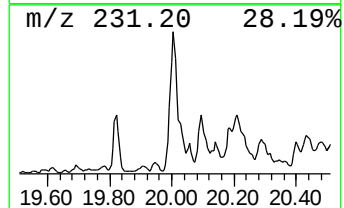
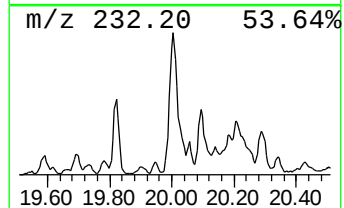
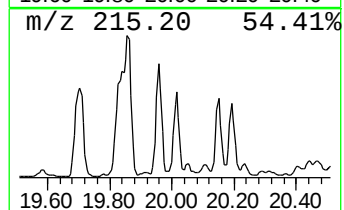
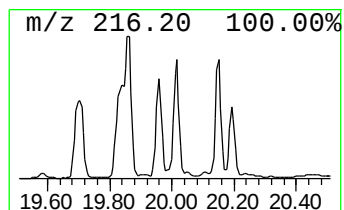
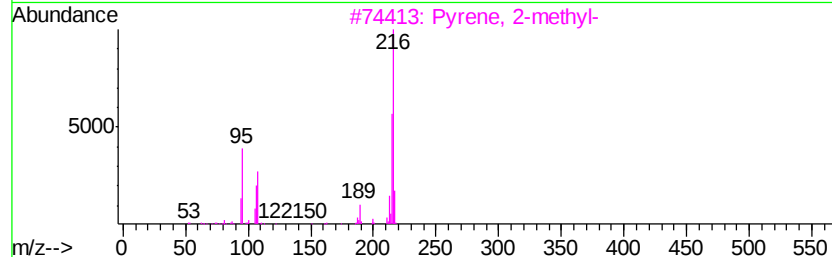
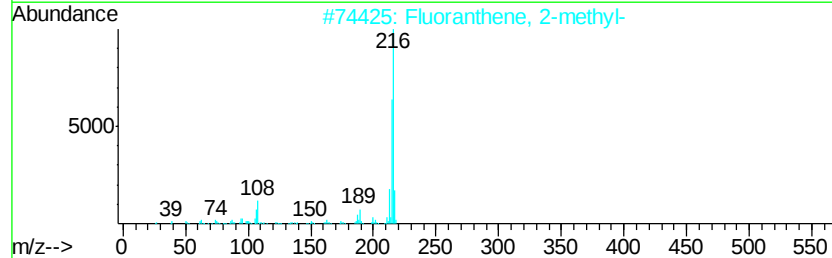
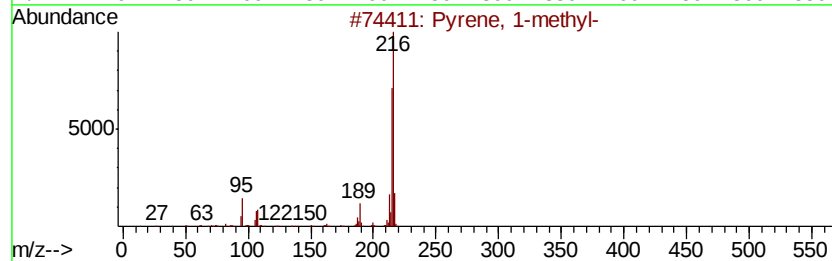
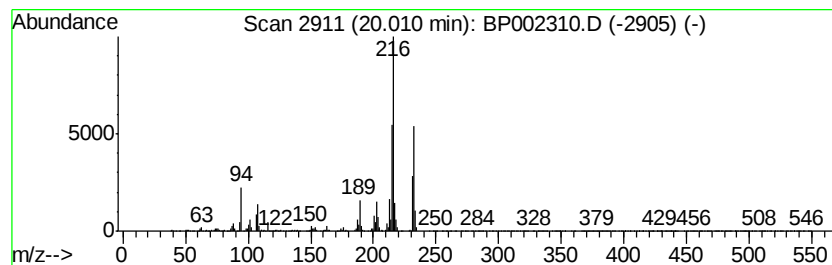
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	2.87 ng	1088740	Chrysene-d12	21.10

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4		11H-Benzo[alfluorene	216	C17H12	000238-84-6	55
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampled :
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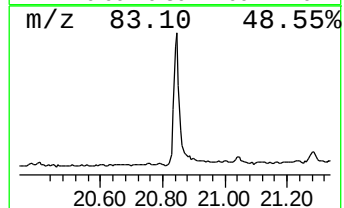
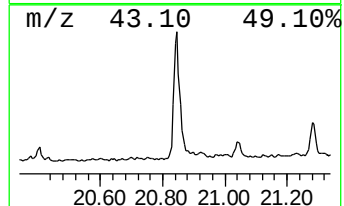
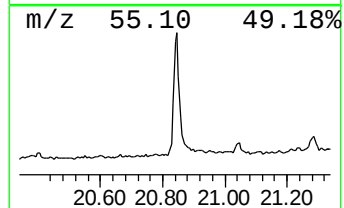
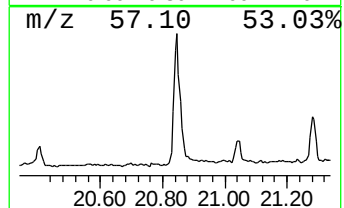
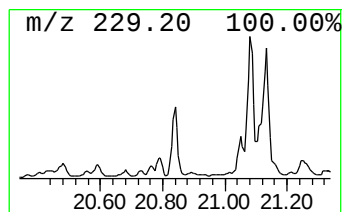
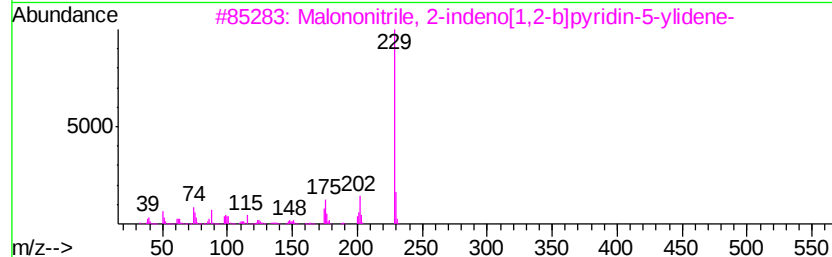
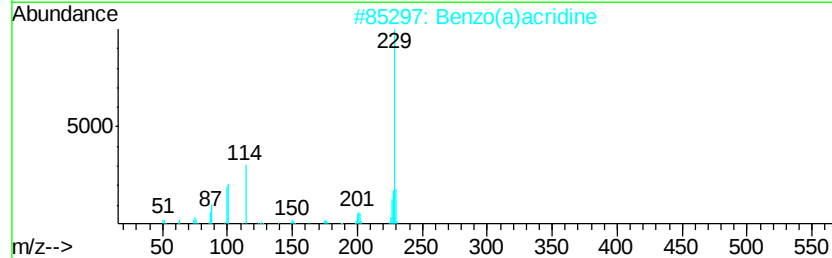
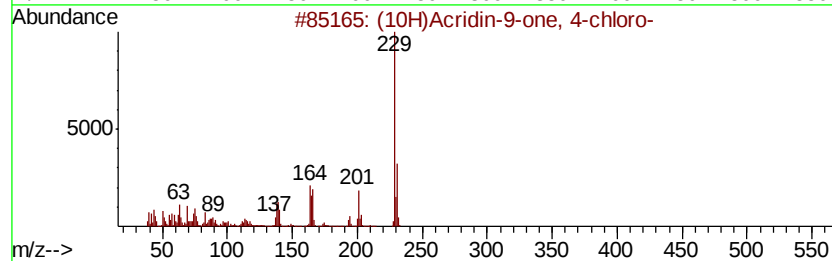
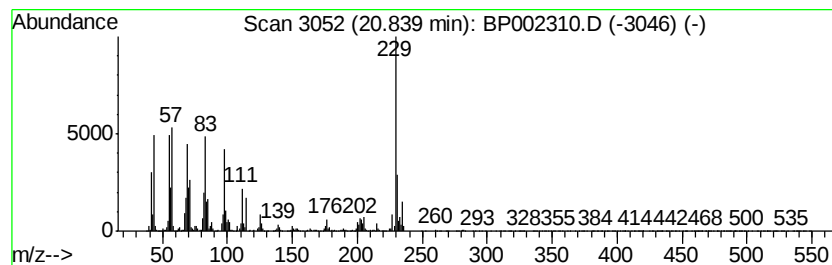
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown20.84 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	4.02 ng	1525060	Chrysene-d12	21.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(10H)Acridin-9-one, 4-chloro-	229	C13H8ClNO	069220-40-2	27
2		Benzo(a)acridine	229	C17H11N	000225-11-6	27
3		Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	25
4		Imidazo[1,2-c]pyrimidin-2-one, 1...	229	C9H15N3O2S	1000310-27-4	25
5		Terephthalic acid, 2-chloroethyl...	368	C20H29ClO4	1000323-94-8	23



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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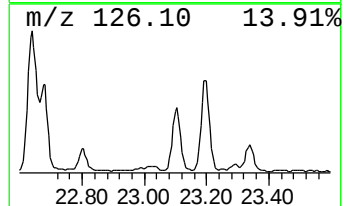
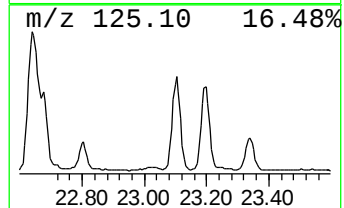
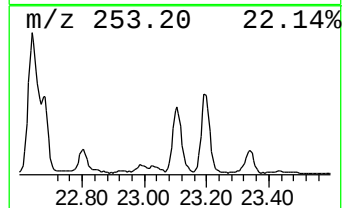
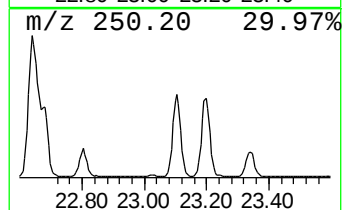
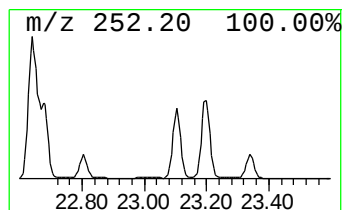
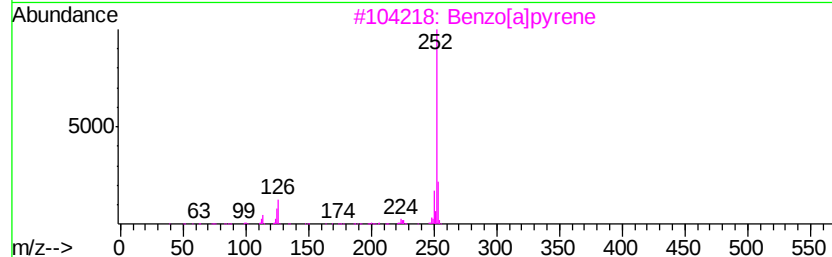
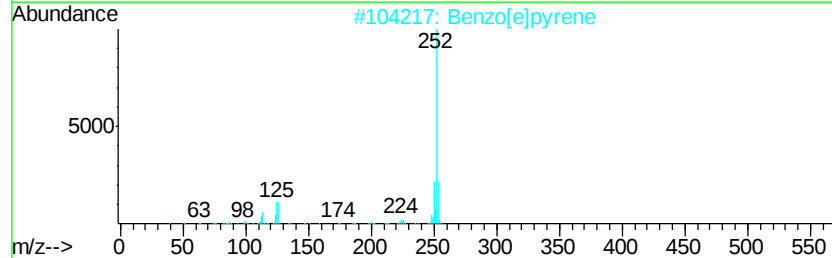
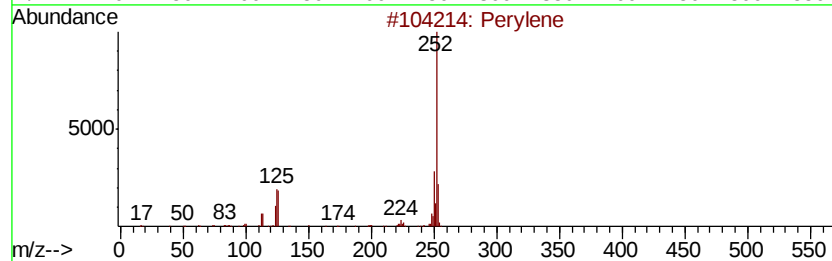
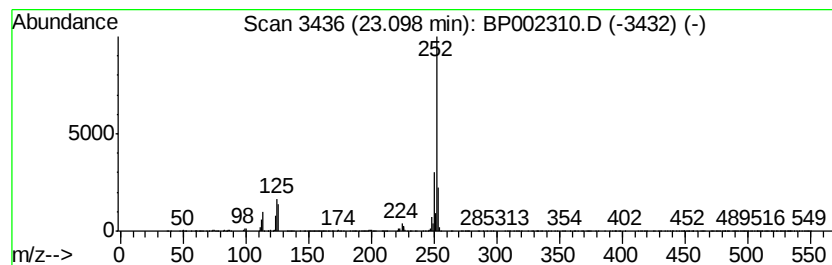
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	10.29 ng	1702280	Perylene-d12	23.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	99
3		Benzo[a]pyrene	252	C20H12	000050-32-8	98
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP052720.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
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4H-Cyclopenta[def...	18.06	4.9	ng	888257	4	17.00	3651840	20.0
Phenanthrene, 2,5...	18.77	2.4	ng	441516	4	17.00	3651840	20.0
Cyclopenta(def)ph...	18.90	4.9	ng	901928	4	17.00	3651840	20.0
Pyrene, 1-methyl-	19.70	2.7	ng	1031900	5	21.10	7582570	20.0
Fluoranthene, 2-m...	19.83	2.6	ng	986689	5	21.10	7582570	20.0
11H-Benzo[a]fluorene	19.86	2.2	ng	838062	5	21.10	7582570	20.0
Pyrene, 2-methyl-	20.01	2.9	ng	1088740	5	21.10	7582570	20.0
unknown20.84	20.84	4.0	ng	1525060	5	21.10	7582570	20.0
Perylene	23.10	10.3	ng	1702280	6	23.29	3310190	20.0