

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
 Data File : BP004141.D
 Acq On : 03 Dec 2020 21:59
 Operator : CG/JU
 Sample : L4915-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-12220

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 >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004141.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.711	85	89	102	rBV	97125	142655	6.08%	0.494%
2	5.216	337	345	351	rBV	22706	36981	1.57%	0.128%
3	5.734	426	433	450	rBV	1035771	1554832	66.22%	5.389%
4	7.375	705	712	725	rBV	905559	1519174	64.70%	5.266%
5	7.775	776	780	786	rBV	22536	36745	1.56%	0.127%
6	8.193	842	851	860	rBV	663474	1031294	43.92%	3.575%
7	8.751	939	946	959	rBV	13987	32559	1.39%	0.113%
8	9.357	1040	1049	1060	rBV	561739	935202	39.83%	3.242%
9	10.451	1227	1235	1244	rBV6	10025	26590	1.13%	0.092%
10	11.016	1321	1331	1338	rBV	731560	1249369	53.21%	4.331%
11	13.439	1736	1743	1751	rBV	1114568	1589160	67.68%	5.508%
12	13.645	1772	1778	1785	rVB2	26036	41789	1.78%	0.145%
13	14.145	1858	1863	1869	rBV3	16701	32281	1.37%	0.112%
14	14.251	1876	1881	1893	rBV2	129763	238860	10.17%	0.828%
15	14.545	1925	1931	1942	rBV	124126	204898	8.73%	0.710%
16	14.704	1954	1958	1962	rBV	30231	38004	1.62%	0.132%
17	14.822	1972	1978	1985	rVB	894763	1302398	55.47%	4.514%
18	14.886	1985	1989	1997	rVB	26829	37658	1.60%	0.131%
19	15.216	2039	2045	2051	rVB3	18069	30033	1.28%	0.104%
20	15.645	2114	2118	2122	rVB2	20117	23939	1.02%	0.083%
21	15.686	2122	2125	2134	rVB2	24155	37286	1.59%	0.129%
22	15.863	2150	2155	2158	rBV	34519	49165	2.09%	0.170%
23	16.063	2186	2189	2199	rVB5	15878	31106	1.32%	0.108%
24	16.304	2221	2230	2246	rBV	604737	953578	40.61%	3.305%
25	16.533	2266	2269	2276	rVB4	34178	50601	2.15%	0.175%
26	16.863	2319	2325	2330	rBV4	14239	31109	1.32%	0.108%
27	16.916	2330	2334	2339	rVB4	15198	23640	1.01%	0.082%
28	17.210	2381	2384	2393	rVV3	23763	45476	1.94%	0.158%
29	17.292	2394	2398	2403	rVV4	18906	28559	1.22%	0.099%
30	17.375	2404	2412	2419	rVB3	33135	75579	3.22%	0.262%
31	17.557	2437	2443	2447	rBV	965357	1342348	57.17%	4.653%
32	17.598	2447	2450	2457	rVV	405219	552092	23.51%	1.914%
33	17.692	2461	2466	2471	rVV	216263	306960	13.07%	1.064%
34	17.745	2471	2475	2481	rVB4	23045	45043	1.92%	0.156%
35	17.951	2505	2510	2516	rBV	37288	57100	2.43%	0.198%
36	18.022	2519	2522	2526	rVV3	16971	29404	1.25%	0.102%

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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 >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.057	2526	2528	2533	rVB	20076	23899	1.02%	0.083%
38	18.127	2537	2540	2546	rVB	47861	63166	2.69%	0.219%
39	18.269	2560	2564	2569	rVB	26274	38983	1.66%	0.135%
40	18.410	2584	2588	2592	rVV	124984	174237	7.42%	0.604%
41	18.457	2592	2596	2601	rVB	160229	216914	9.24%	0.752%
42	18.533	2604	2609	2614	rBV	78765	113319	4.83%	0.393%
43	18.598	2614	2620	2624	rVV2	165234	344765	14.68%	1.195%
44	18.633	2624	2626	2631	rVB	89498	103089	4.39%	0.357%
45	18.798	2649	2654	2657	rBV3	44370	61940	2.64%	0.215%
46	18.874	2663	2667	2671	rBV3	69059	104970	4.47%	0.364%
47	18.922	2671	2675	2685	rVB2	67294	132370	5.64%	0.459%
48	19.116	2702	2708	2713	rBV3	56828	112188	4.78%	0.389%
49	19.169	2714	2717	2720	rVV	81235	101904	4.34%	0.353%
50	19.204	2720	2723	2727	rVB2	59713	76964	3.28%	0.267%
51	19.286	2732	2737	2742	rBV	182997	296598	12.63%	1.028%
52	19.345	2742	2747	2750	rBV3	45697	86760	3.69%	0.301%
53	19.422	2755	2760	2766	rBV4	83677	167236	7.12%	0.580%
54	19.539	2775	2780	2785	rBV	790771	1025309	43.66%	3.554%
55	19.586	2785	2788	2793	rBV5	34051	47678	2.03%	0.165%
56	19.686	2801	2805	2809	rBV	78799	104902	4.47%	0.364%
57	19.774	2817	2820	2822	rBV2	48721	58318	2.48%	0.202%
58	19.863	2831	2835	2836	rBV2	88415	120285	5.12%	0.417%
59	19.892	2836	2840	2848	rVV	867201	1206797	51.39%	4.183%
60	19.957	2848	2851	2856	rVB	115846	164107	6.99%	0.569%
61	20.063	2864	2869	2874	rVB	1448402	1746282	74.37%	6.053%
62	20.121	2875	2879	2884	rVB3	56908	99388	4.23%	0.345%
63	20.204	2888	2893	2899	rBV3	93919	212825	9.06%	0.738%
64	20.339	2912	2916	2917	rBV3	93389	116545	4.96%	0.404%
65	20.363	2917	2920	2928	rVB2	180749	268728	11.44%	0.931%
66	20.457	2933	2936	2940	rVB	86676	103273	4.40%	0.358%
67	20.521	2943	2947	2950	rVB	163499	184457	7.86%	0.639%
68	20.657	2966	2970	2974	rBV	154973	199717	8.51%	0.692%
69	20.698	2974	2977	2980	rVV	119058	128104	5.46%	0.444%
70	21.086	3040	3043	3049	rVB	137007	182378	7.77%	0.632%
71	21.257	3064	3072	3075	rBV4	224669	485896	20.69%	1.684%
72	21.327	3081	3084	3087	rBV3	95521	131828	5.61%	0.457%
73	21.598	3123	3130	3134	rBV2	1321033	2348135	100.00%	8.139%
74	21.633	3134	3136	3144	rVB	413144	522428	22.25%	1.811%
75	22.233	3236	3238	3246	rVB	120134	158899	6.77%	0.551%
76	23.298	3414	3419	3424	rBV2	293096	668771	28.48%	2.318%

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ClientSampleId :
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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 >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.821	3504	3508	3516	rVB	228033	468620	19.96%	1.624%
78	23.927	3522	3526	3537	rVB	310630	596619	25.41%	2.068%
79	24.039	3538	3545	3551	rBV	761810	1516799	64.60%	5.258%

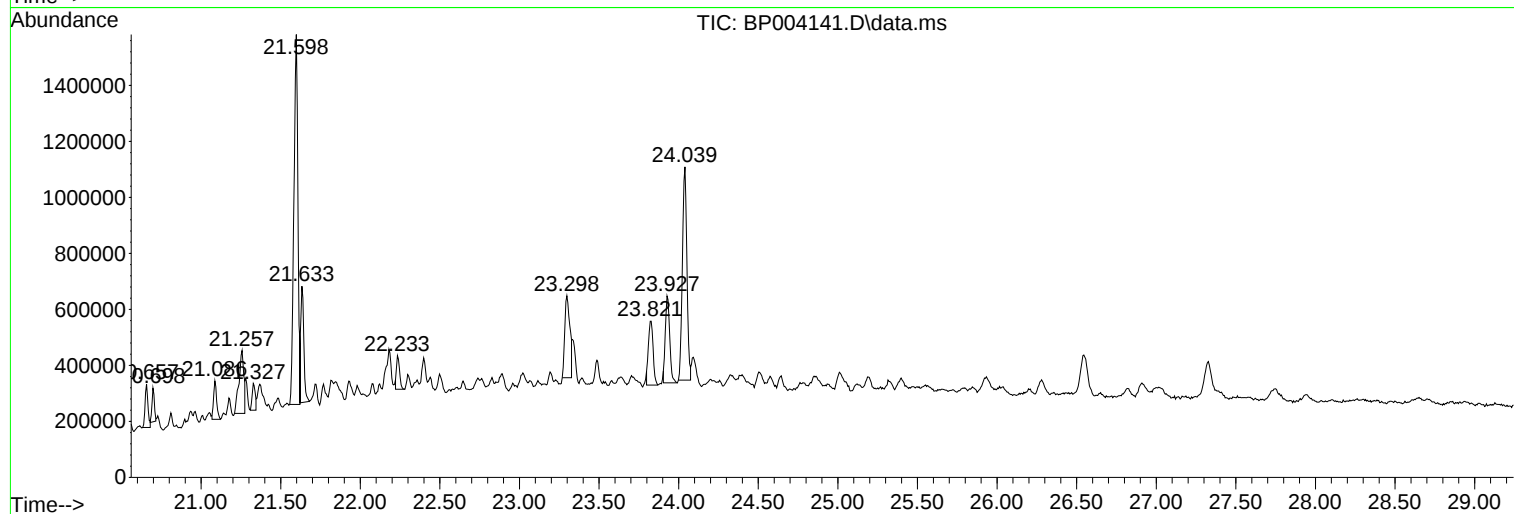
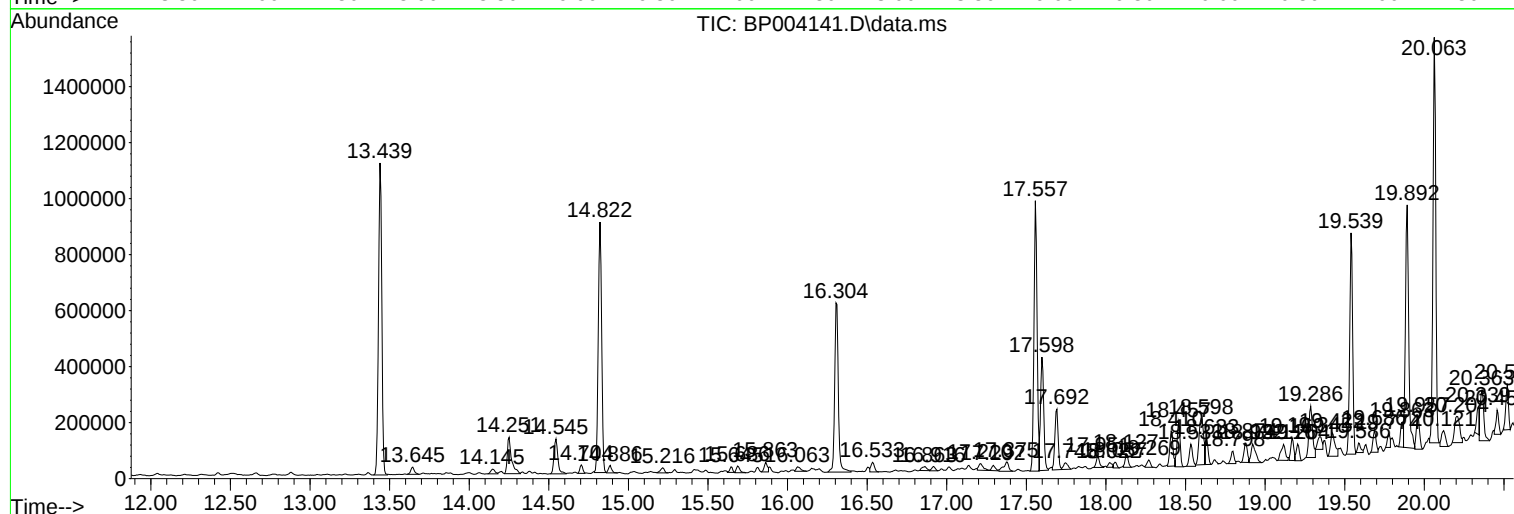
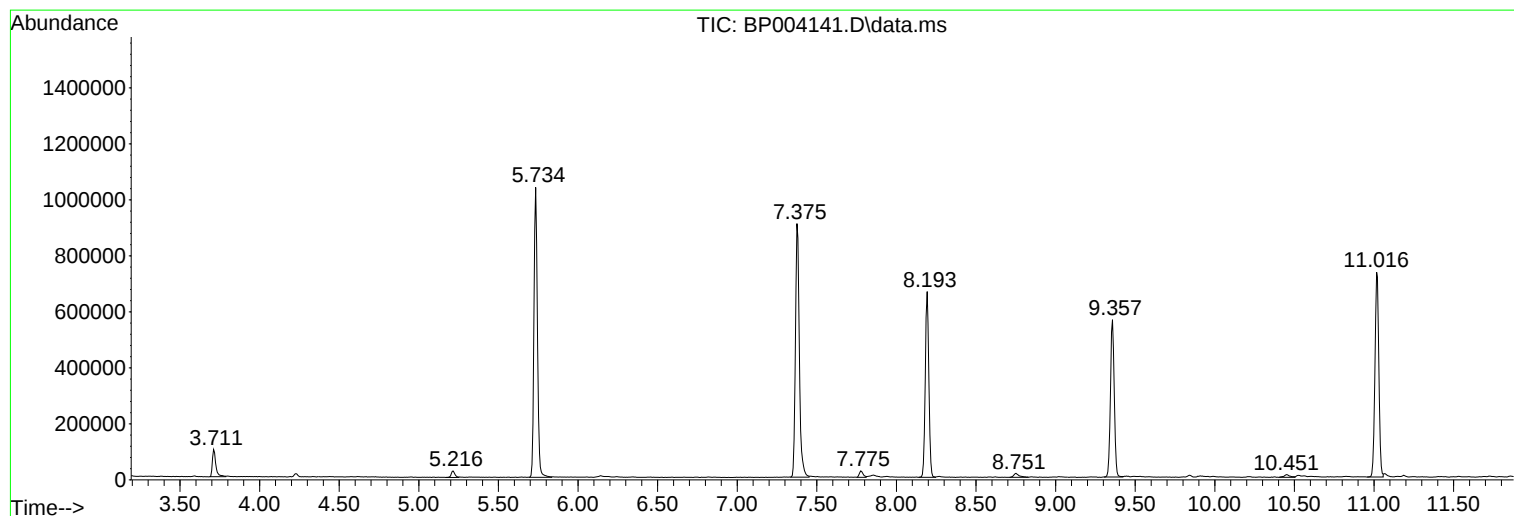
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
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OR-03-12220

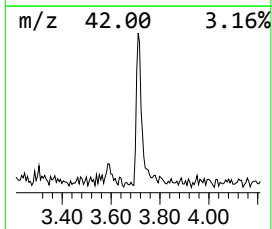
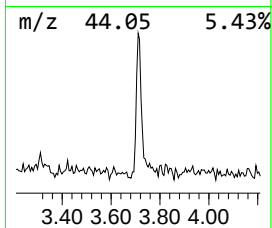
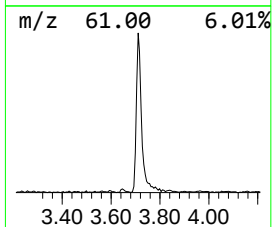
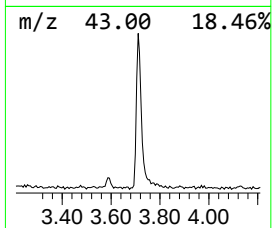
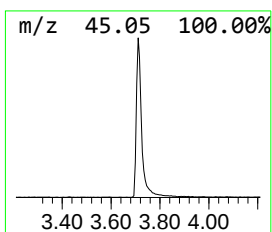
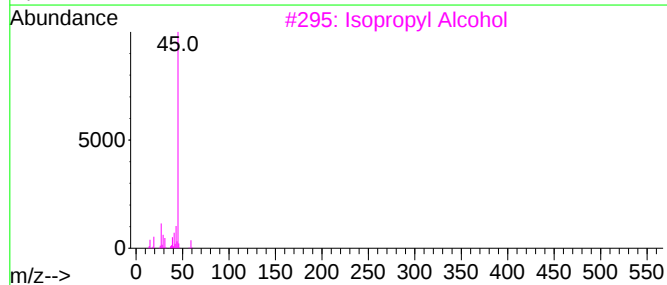
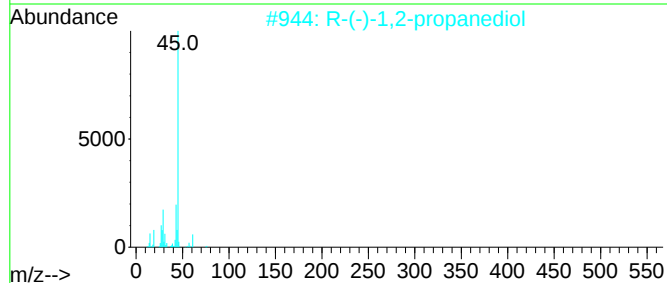
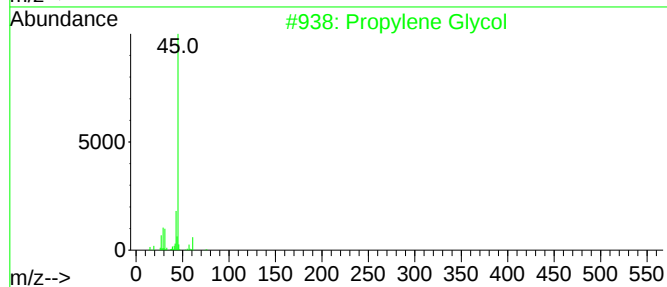
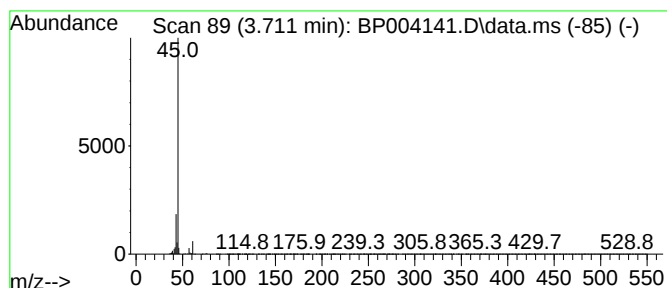
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propylene Glycol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.711	2.77 ng	142655	1,4-Dichlorobenzene-d4	8.193

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propylene Glycol	76	C3H8O2	000057-55-6	90
2			R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	78
3			Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4			Propanoic acid, 2-hydroxy-, meth...	104	C4H8O3	002155-30-8	9
5			(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	9



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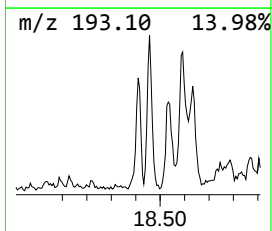
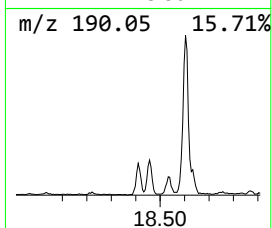
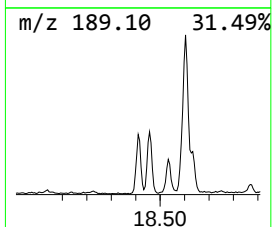
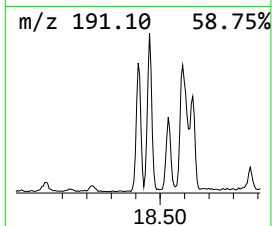
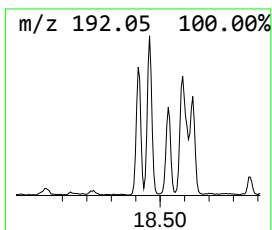
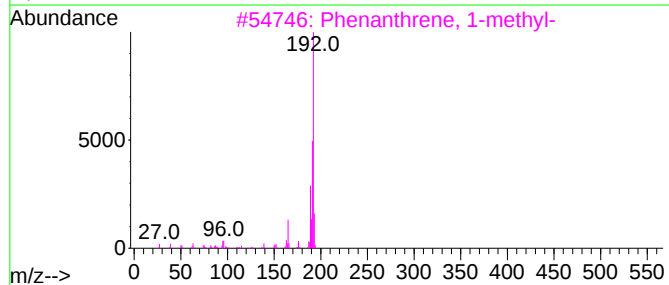
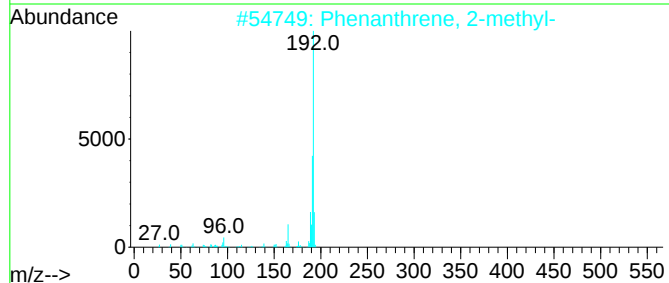
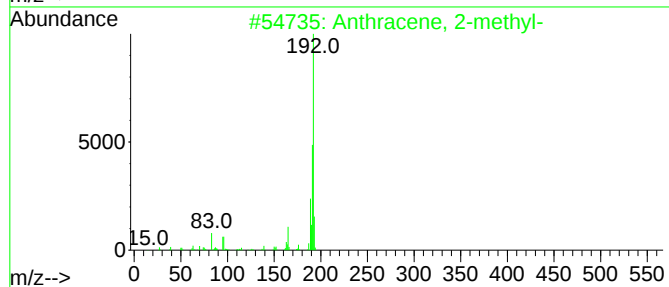
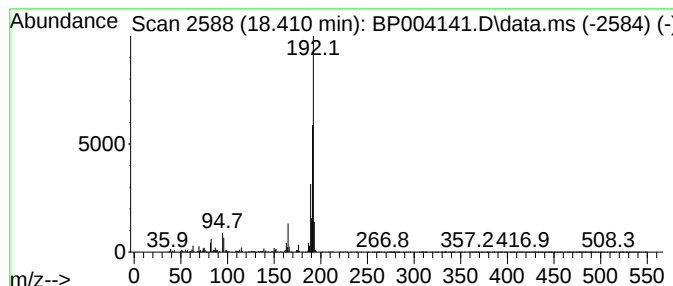
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.410	2.60 ng	174237	Phenanthrene-d10	17.557

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	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



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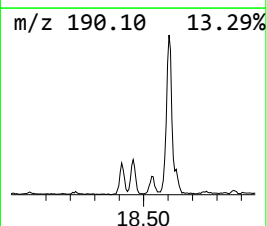
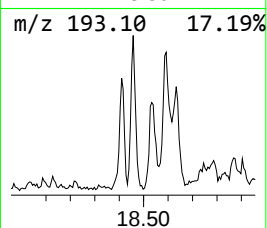
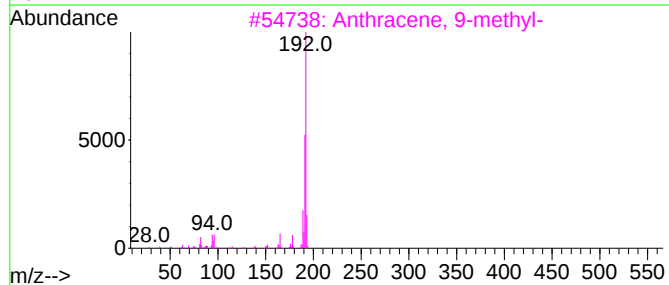
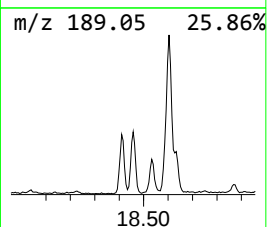
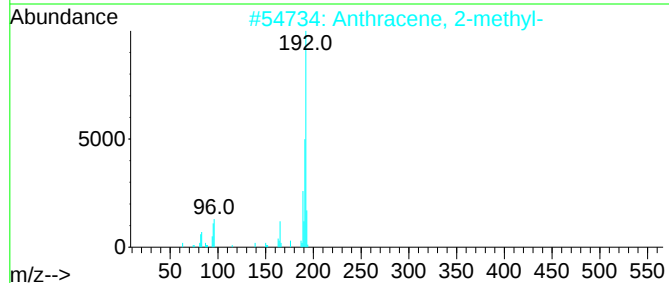
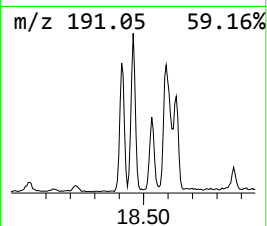
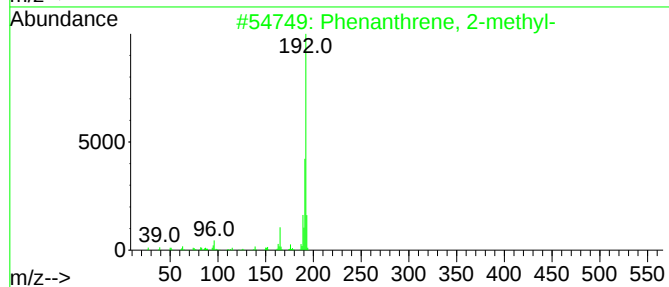
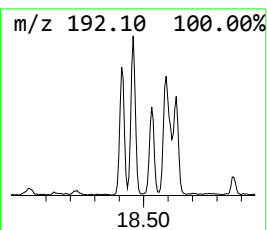
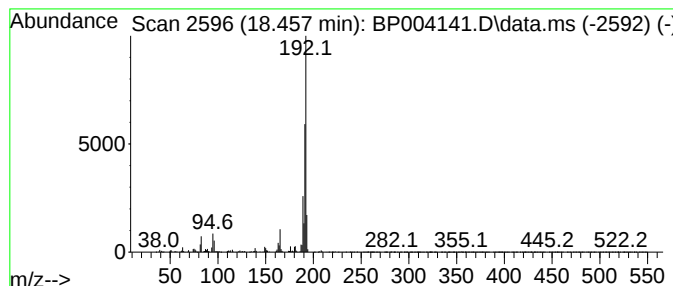
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.457	3.23 ng	216914	Phenanthrene-d10	17.557

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



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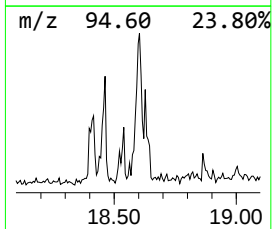
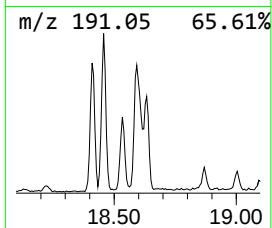
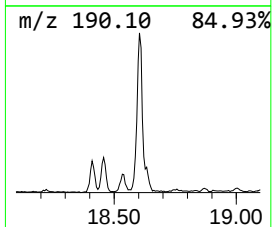
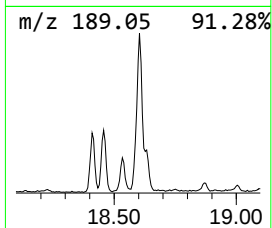
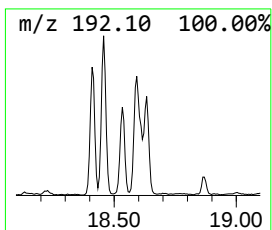
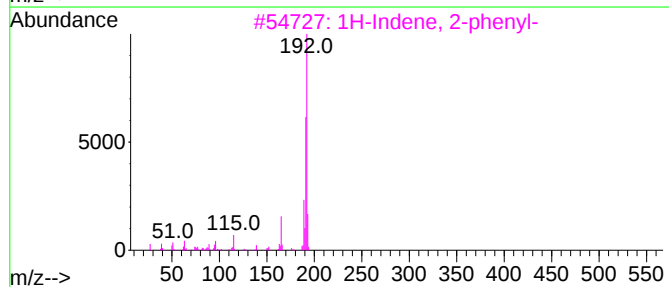
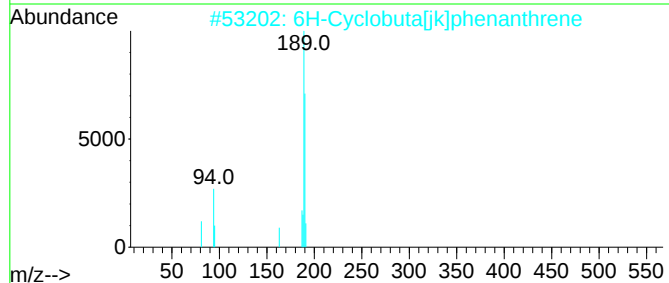
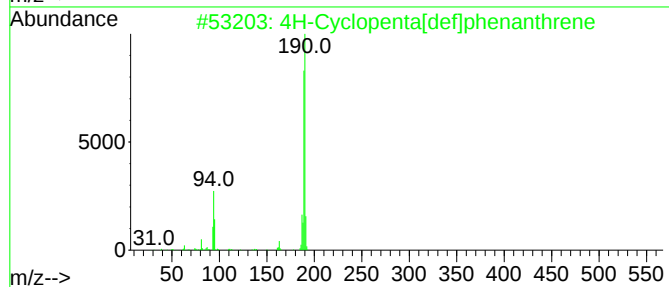
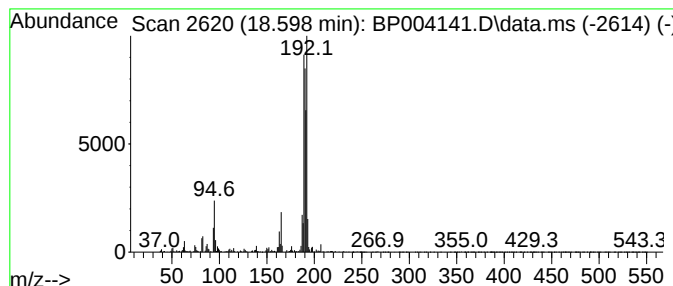
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	5.14 ng	344765	Phenanthrene-d10	17.557

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
Acq On : 03 Dec 2020 21:59
Operator : CG/JU
Sample : L4915-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-03-12220

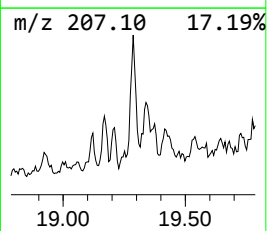
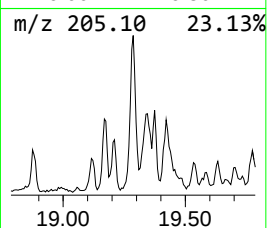
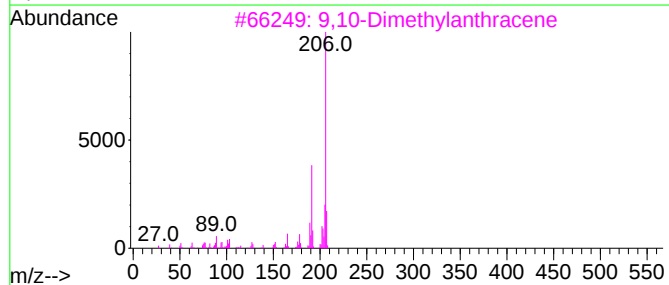
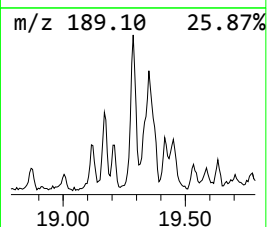
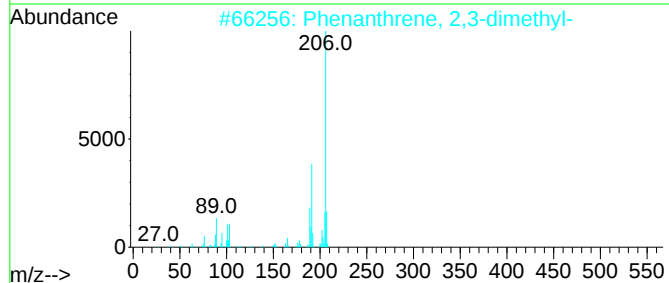
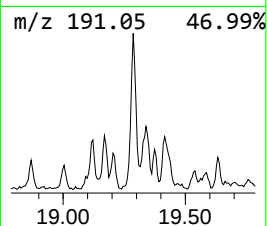
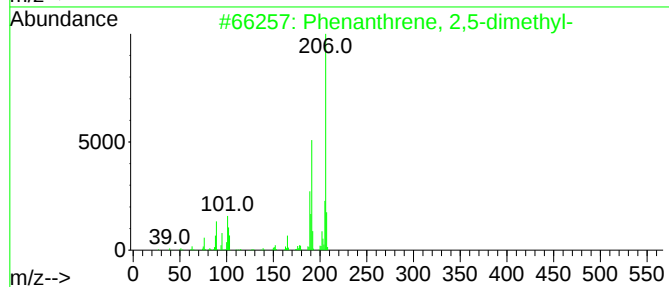
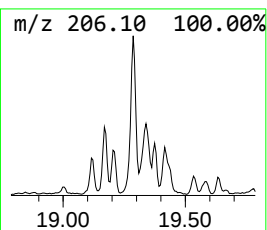
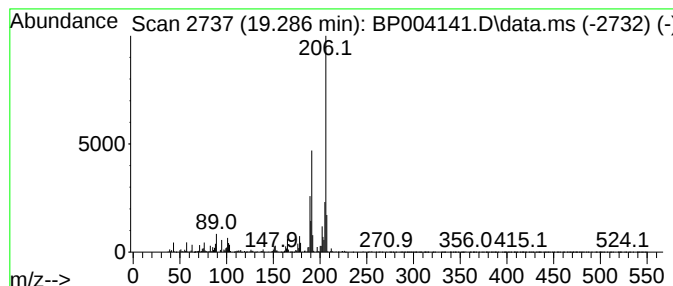
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.286	4.42 ng	296598	Phenanthrene-d10	17.557

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
Acq On : 03 Dec 2020 21:59
Operator : CG/JU
Sample : L4915-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-03-12220

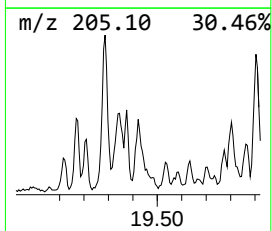
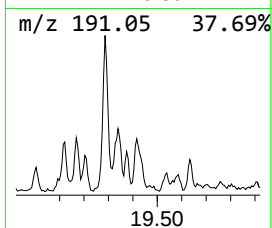
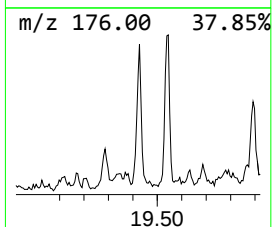
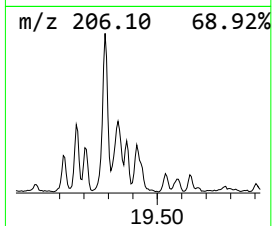
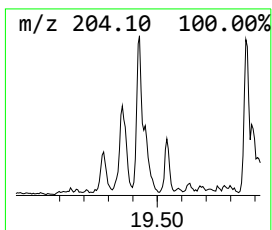
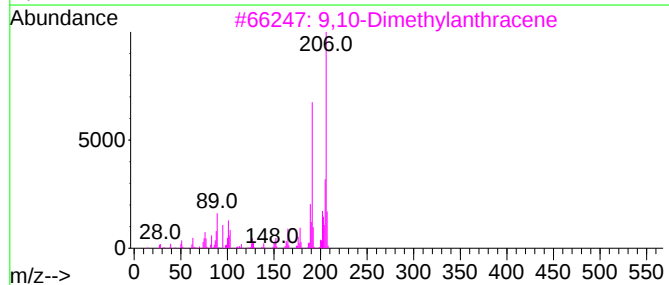
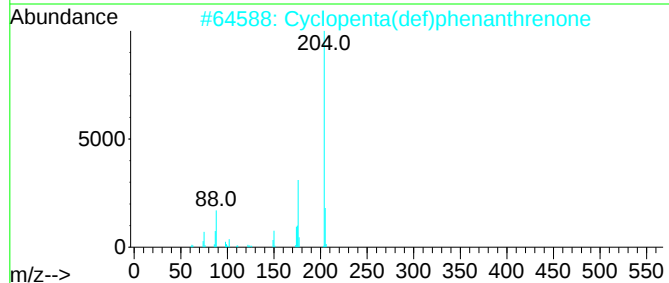
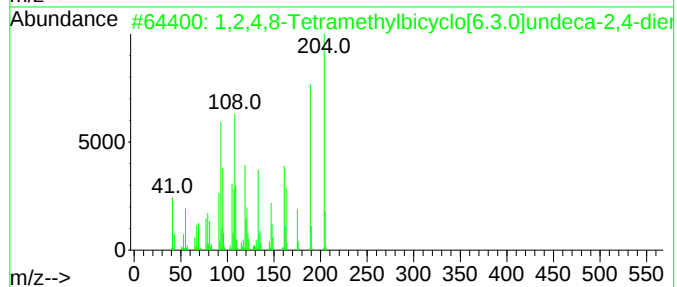
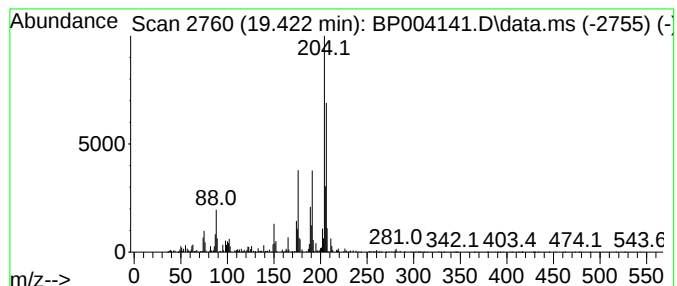
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.422	2.49 ng	167236	Phenanthrene-d10	17.557

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80	
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55	
3	9,10-Dimethylantracene	206	C16H14	000781-43-1	42	
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	42	
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	42	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
Acq On : 03 Dec 2020 21:59
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Sample : L4915-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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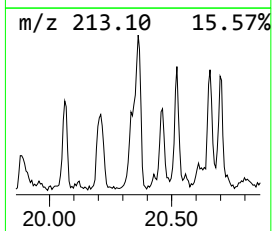
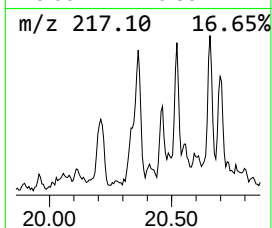
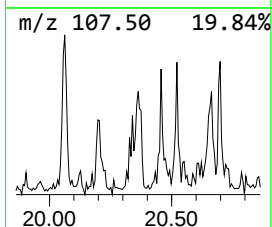
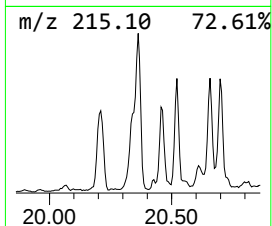
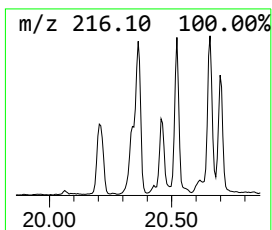
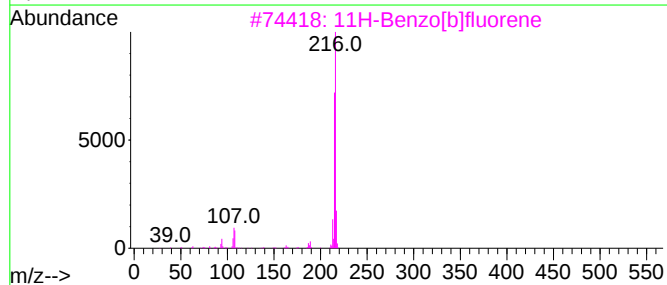
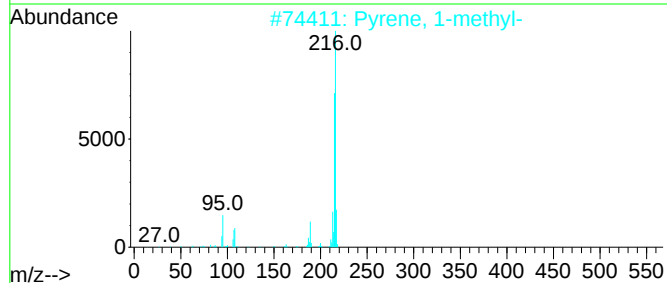
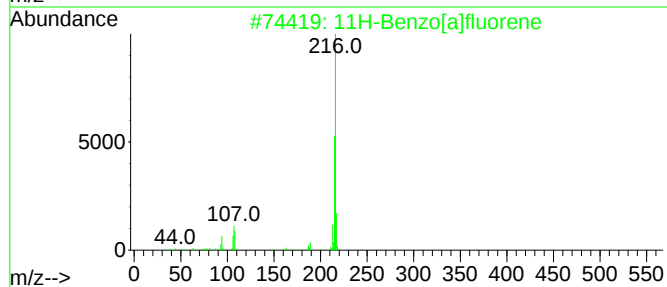
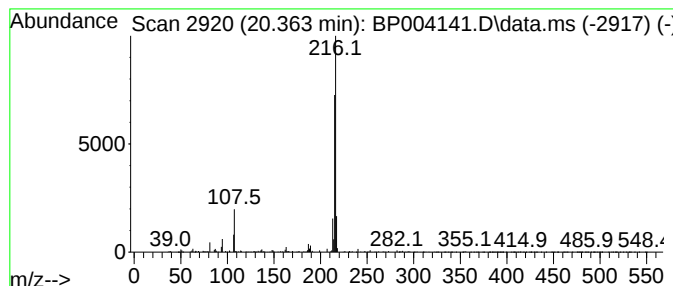
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.363	2.29 ng	268728	Chrysene-d12	21.598

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
Acq On : 03 Dec 2020 21:59
Operator : CG/JU
Sample : L4915-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-12220

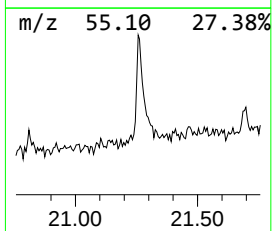
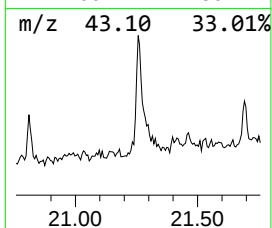
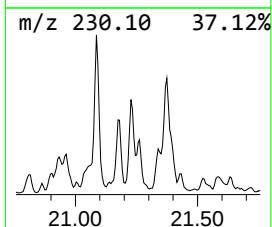
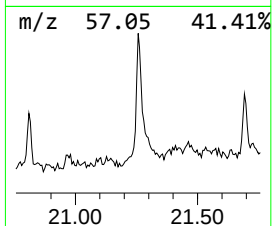
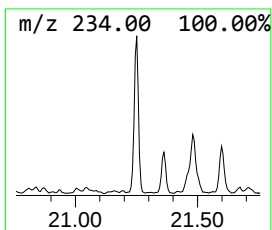
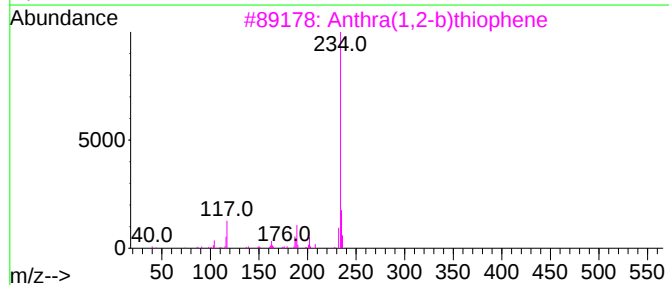
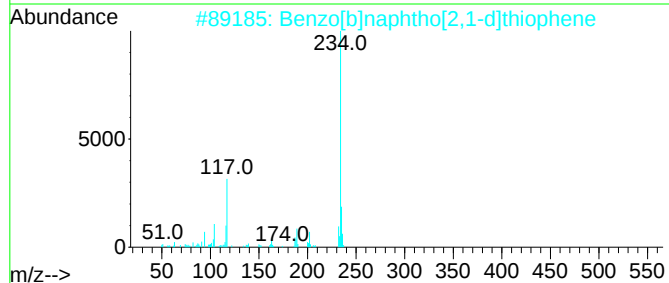
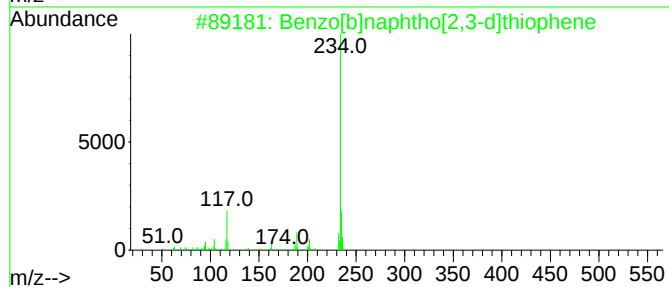
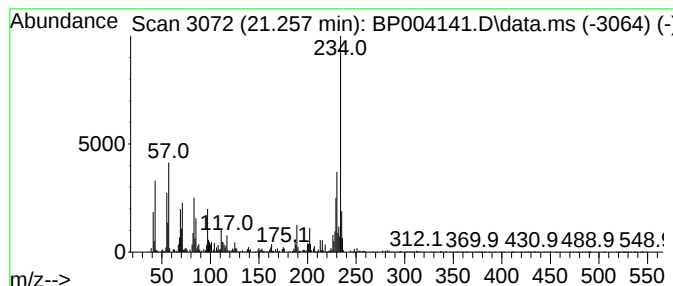
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.257	4.14 ng	485896	Chrysene-d12	21.598

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	78
2			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	78
3			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	55
4			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	55
5			Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
Acq On : 03 Dec 2020 21:59
Operator : CG/JU
Sample : L4915-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
OR-03-12220

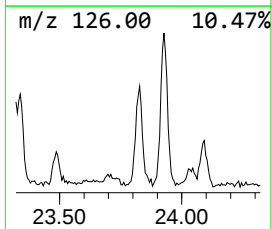
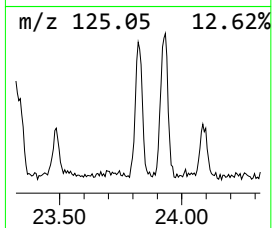
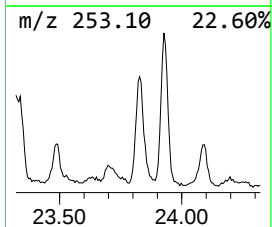
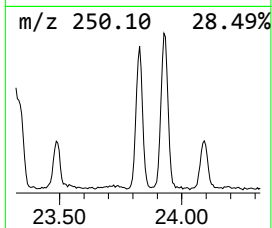
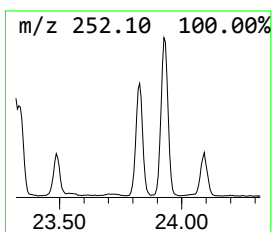
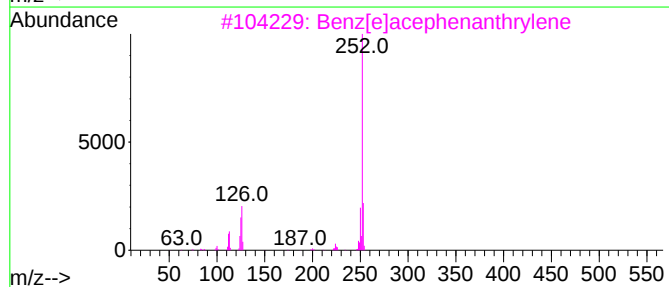
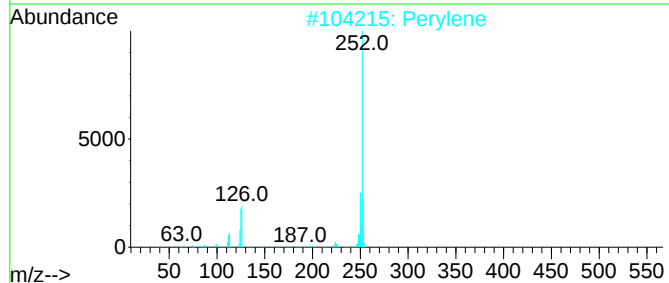
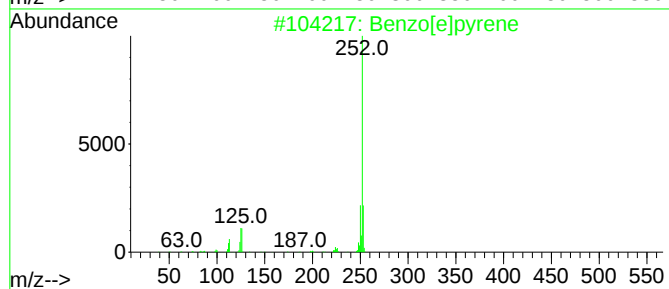
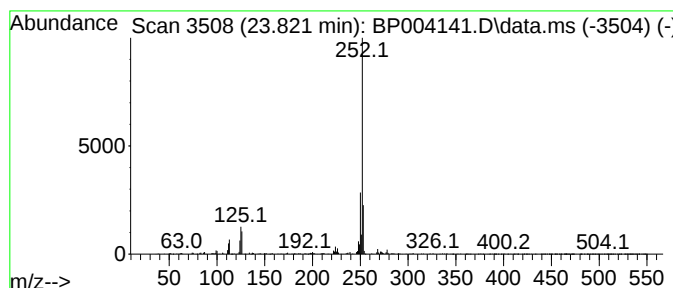
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.821	6.18 ng	468620	Perylene-d12	24.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Perylene	252	C20H12	000198-55-0	95
3			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120320\
Data File : BP004141.D
Acq On : 03 Dec 2020 21:59
Operator : CG/JU
Sample : L4915-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-03-12220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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
Propylene Glycol	3.711	2.8	ng	142655	1	8.193	1031290	20.0
Anthracene, 2-m...	18.410	2.6	ng	174237	4	17.557	1342350	20.0
Phenanthrene, 2...	18.457	3.2	ng	216914	4	17.557	1342350	20.0
4H-Cyclopenta[d...	18.598	5.1	ng	344765	4	17.557	1342350	20.0
Phenanthrene, 2...	19.286	4.4	ng	296598	4	17.557	1342350	20.0
1,2,4,8-Tetrame...	19.422	2.5	ng	167236	4	17.557	1342350	20.0
11H-Benzo[a]flu...	20.363	2.3	ng	268728	5	21.598	2348140	20.0
Benzo[b]naphtho...	21.257	4.1	ng	485896	5	21.598	2348140	20.0
Benzo[e]pyrene	23.821	6.2	ng	468620	6	24.039	1516800	20.0