

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001234.D
 Acq On : 06 Dec 2019 17:24
 Operator : JU
 Sample : K6133-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-362

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-BP112719.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	5.616	595	600	617	rVB	284132	442812	16.18%	0.833%
2	6.211	695	701	716	rBV	1602725	2003053	73.21%	3.770%
3	7.752	956	963	978	rBV	1742472	2370798	86.65%	4.462%
4	7.940	989	995	1004	rVB	1781361	2179236	79.65%	4.101%
5	8.305	1052	1057	1066	rVB	450554	510037	18.64%	0.960%
6	8.546	1092	1098	1103	rBV	1424326	1614545	59.01%	3.039%
7	9.181	1200	1206	1211	rBV	1145471	1446488	52.87%	2.722%
8	10.334	1397	1402	1406	rBV	534602	637243	23.29%	1.199%
9	12.116	1698	1705	1709	rBV	2076381	2400411	87.73%	4.518%
10	12.787	1815	1819	1823	rVV	229085	272397	9.96%	0.513%
11	12.963	1843	1849	1857	rBV	208352	257363	9.41%	0.484%
12	13.198	1883	1889	1894	rBV	658679	794796	29.05%	1.496%
13	13.245	1894	1897	1902	rVB	71288	84737	3.10%	0.159%
14	13.534	1942	1946	1954	rVB2	46125	74733	2.73%	0.141%
15	14.092	2038	2041	2048	rVB	82672	105940	3.87%	0.199%
16	14.487	2098	2108	2119	rBV	1540468	1959433	71.62%	3.688%
17	14.998	2189	2195	2198	rBV4	30906	67619	2.47%	0.127%
18	15.222	2228	2233	2236	rBV2	42442	69349	2.53%	0.131%
19	15.304	2241	2247	2255	rVB3	93807	186498	6.82%	0.351%
20	15.387	2256	2261	2265	rVV2	46169	75289	2.75%	0.142%
21	15.428	2265	2268	2272	rVB	60562	71092	2.60%	0.134%
22	15.592	2291	2296	2299	rBV	685633	816687	29.85%	1.537%
23	15.628	2299	2302	2307	rVB	1096070	1258087	45.98%	2.368%
24	15.704	2311	2315	2320	rVB	335451	357963	13.08%	0.674%
25	16.063	2373	2376	2379	rVV	50712	66470	2.43%	0.125%
26	16.098	2379	2382	2387	rVV3	60300	80014	2.92%	0.151%
27	16.351	2420	2425	2428	rVV	284225	308389	11.27%	0.580%
28	16.386	2428	2431	2438	rVB	383838	430406	15.73%	0.810%
29	16.457	2438	2443	2445	rBV	129891	162672	5.95%	0.306%
30	16.498	2445	2450	2454	rVV2	401529	697674	25.50%	1.313%
31	16.539	2454	2457	2462	rVB	218721	256439	9.37%	0.483%
32	16.781	2494	2498	2507	rVB2	196455	360135	13.16%	0.678%
33	16.992	2530	2534	2538	rBV	78466	96664	3.53%	0.182%
34	17.033	2538	2541	2543	rBV	84638	83797	3.06%	0.158%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.063	2543	2546	2550	rVB	78280	84242	3.08%	0.159%
36	17.133	2553	2558	2562	rBV2	225713	326466	11.93%	0.614%
37	17.181	2562	2566	2569	rBV2	118201	150108	5.49%	0.283%
38	17.345	2588	2594	2598	rBV	2272984	2568181	93.87%	4.833%
39	17.375	2598	2599	2604	rVB2	66898	64619	2.36%	0.122%
40	17.433	2604	2609	2611	rBV3	79947	110647	4.04%	0.208%
41	17.469	2611	2615	2619	rVB2	141308	168160	6.15%	0.316%
42	17.539	2622	2627	2630	rBV2	105451	165964	6.07%	0.312%
43	17.569	2630	2632	2636	rVB2	69973	69514	2.54%	0.131%
44	17.651	2640	2646	2650	rVB	2169435	2735996	100.00%	5.149%
45	17.722	2650	2658	2661	rVB2	84156	158880	5.81%	0.299%
46	17.751	2661	2663	2671	rVB2	57314	68580	2.51%	0.129%
47	17.822	2671	2675	2678	rBV2	137166	153853	5.62%	0.290%
48	17.881	2678	2685	2689	rBV	2280701	2526948	92.36%	4.756%
49	17.957	2691	2698	2702	rBV3	210105	393426	14.38%	0.740%
50	18.069	2712	2717	2719	rBV3	185266	298453	10.91%	0.562%
51	18.098	2719	2722	2727	rVB2	278793	338417	12.37%	0.637%
52	18.186	2734	2737	2741	rBV	115080	130891	4.78%	0.246%
53	18.233	2741	2745	2752	rBV2	366496	476148	17.40%	0.896%
54	18.316	2756	2759	2762	rBV2	69855	87421	3.20%	0.165%
55	18.351	2762	2765	2769	rVB	193590	203123	7.42%	0.382%
56	18.392	2769	2772	2776	rBV	174677	183085	6.69%	0.345%
57	18.492	2787	2789	2794	rBV	36286	66200	2.42%	0.125%
58	18.616	2804	2810	2812	rBV3	70201	135658	4.96%	0.255%
59	18.698	2821	2824	2829	rBV6	40497	70410	2.57%	0.133%
60	18.763	2830	2835	2843	rVB	301518	394980	14.44%	0.743%
61	18.904	2855	2859	2864	rVV2	250216	371750	13.59%	0.700%
62	18.951	2864	2867	2869	rVV	210899	244252	8.93%	0.460%
63	18.969	2869	2870	2873	rVV	163068	156662	5.73%	0.295%
64	18.998	2873	2875	2877	rVV	86393	94575	3.46%	0.178%
65	19.033	2878	2881	2887	rVB	230658	290800	10.63%	0.547%
66	19.110	2890	2894	2906	rBV3	359855	663896	24.27%	1.249%
67	19.227	2906	2914	2919	rBV2	1437057	2704221	98.84%	5.089%
68	19.275	2919	2922	2925	rVV	1236814	1309426	47.86%	2.464%
69	19.298	2925	2926	2931	rVB2	136107	105837	3.87%	0.199%
70	19.369	2932	2938	2941	rBV3	121294	181171	6.62%	0.341%
71	19.416	2943	2946	2948	rVV	76398	64749	2.37%	0.122%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

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Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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72	19.527	2963	2965	2969	rVV	106090	119300	4.36%	0.225%
73	19.569	2970	2972	2975	rVB3	81833	80162	2.93%	0.151%
74	19.657	2982	2987	2990	rBV4	66129	97053	3.55%	0.183%
75	19.692	2990	2993	2996	rBV	102249	126017	4.61%	0.237%
76	19.739	2996	3001	3005	rVV	324930	408723	14.94%	0.769%
77	19.780	3005	3008	3012	rVB2	194202	207298	7.58%	0.390%
78	19.857	3018	3021	3024	rVB	142033	132901	4.86%	0.250%
79	19.892	3024	3027	3029	rBV3	125708	142209	5.20%	0.268%
80	19.998	3042	3045	3049	rVB2	94062	114303	4.18%	0.215%
81	20.116	3062	3065	3068	rBV3	74120	94823	3.47%	0.178%
82	20.422	3113	3117	3121	rBV3	69538	112594	4.12%	0.212%
83	20.527	3129	3135	3138	rBV	1177300	2048297	74.86%	3.855%
84	20.557	3138	3140	3147	rVV	667360	671699	24.55%	1.264%
85	20.645	3151	3155	3158	rVV	261942	311282	11.38%	0.586%
86	20.686	3158	3162	3166	rVB2	158203	189012	6.91%	0.356%
87	20.869	3187	3193	3200	rVB	685265	997391	36.45%	1.877%
88	20.939	3200	3205	3211	rVB	1050366	1401500	51.22%	2.638%
89	21.010	3212	3217	3220	rBV	473980	699501	25.57%	1.316%
90	21.039	3220	3222	3226	rVB	238705	275203	10.06%	0.518%
91	21.122	3232	3236	3243	rVB5	121736	245901	8.99%	0.463%
92	21.204	3243	3250	3255	rBV7	82577	229687	8.40%	0.432%
93	21.621	3316	3321	3327	rVB4	108825	231745	8.47%	0.436%
94	22.457	3453	3463	3471	rBV4	120735	408654	14.94%	0.769%
95	22.645	3487	3495	3504	rVB2	534185	1210902	44.26%	2.279%
96	22.727	3507	3509	3517	rVB2	47023	81559	2.98%	0.153%
97	22.839	3522	3528	3533	rBV2	108447	238845	8.73%	0.450%
98	22.904	3534	3539	3544	rVV3	80967	149771	5.47%	0.282%
99	23.133	3569	3578	3587	rVB	386910	948241	34.66%	1.785%
100	23.380	3613	3620	3627	rBV	108620	241866	8.84%	0.455%

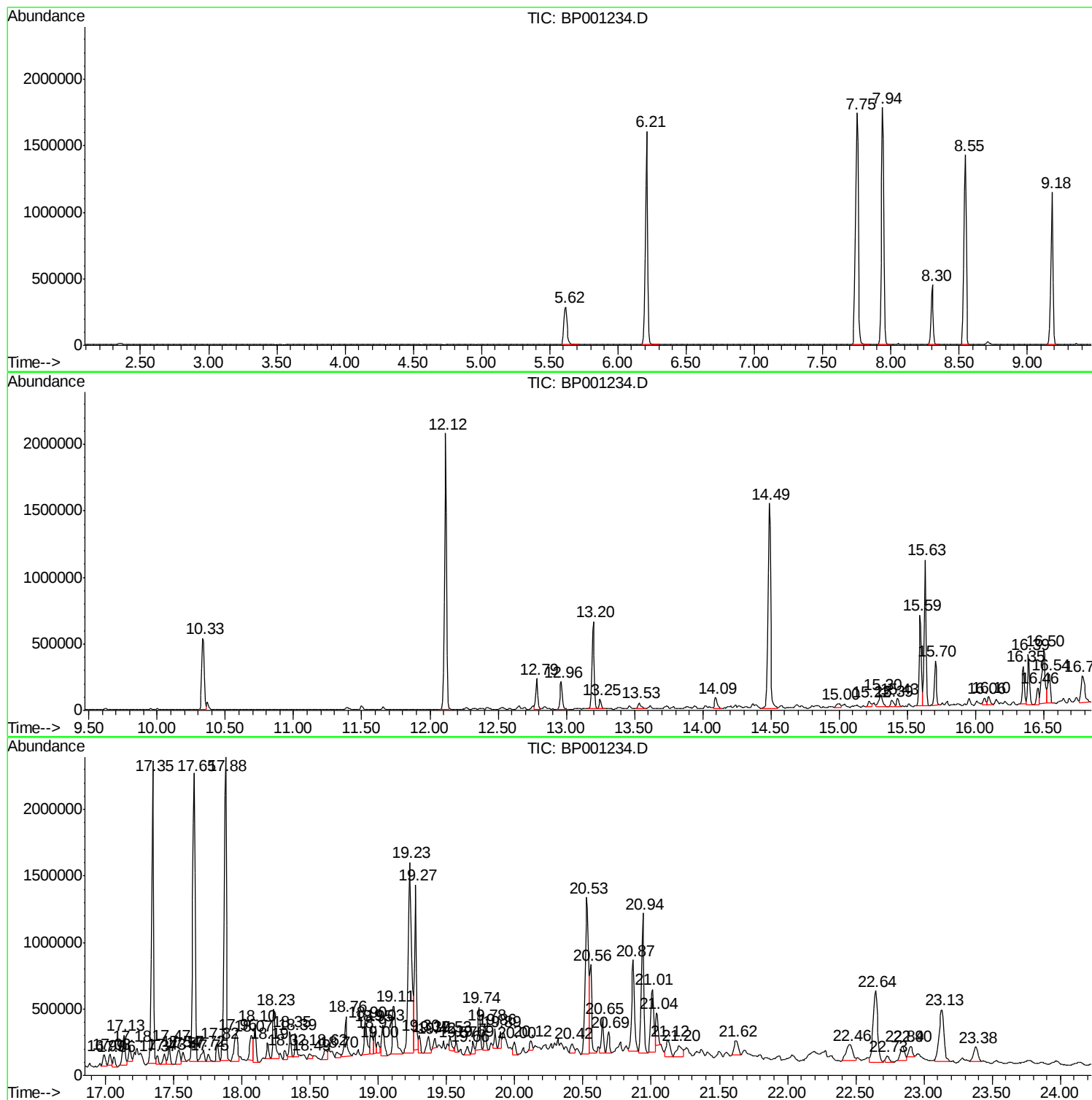
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.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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Instrument :
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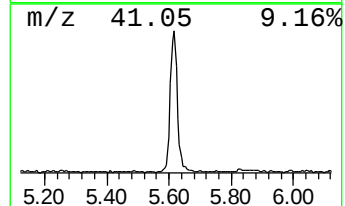
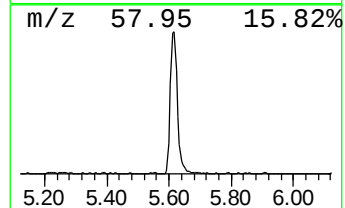
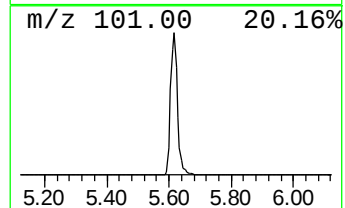
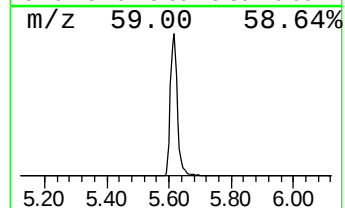
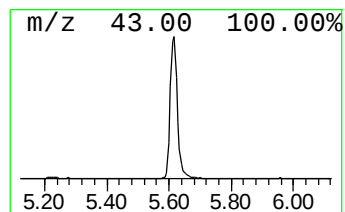
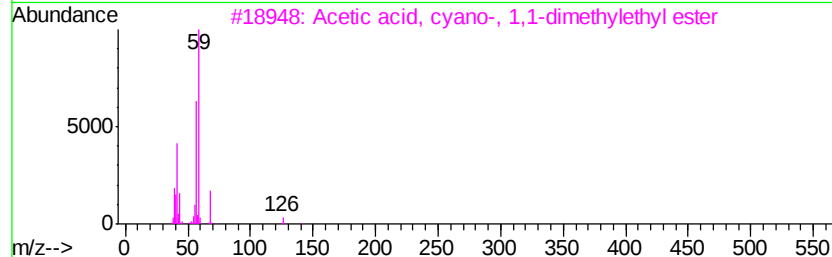
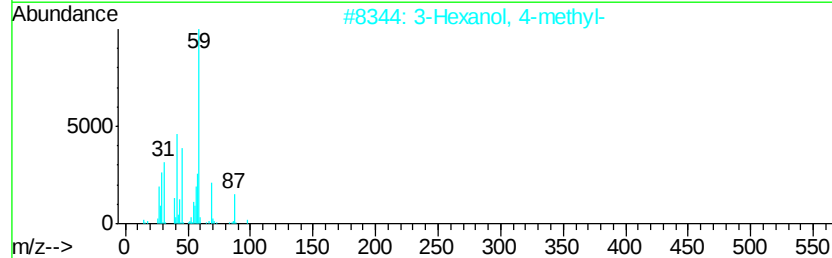
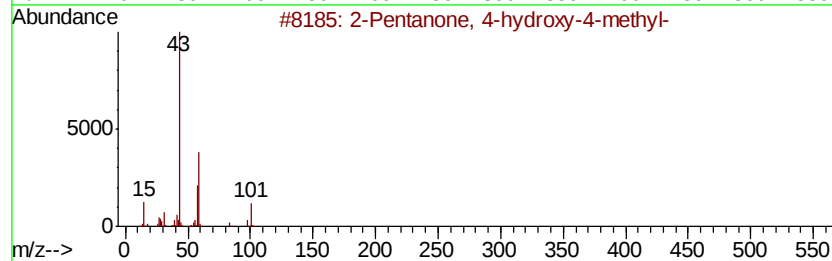
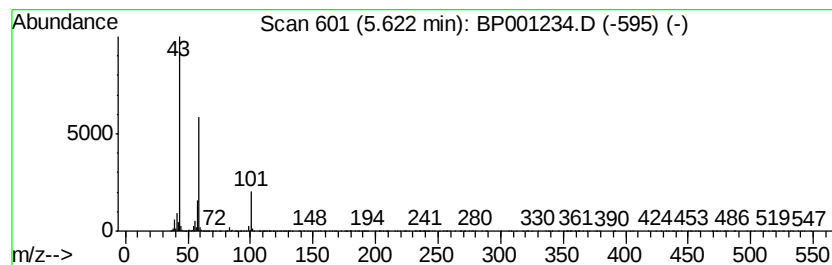
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	17.36 ng	442812	1,4-Dichlorobenzene-d4	8.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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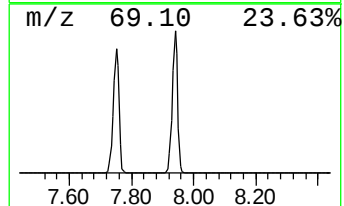
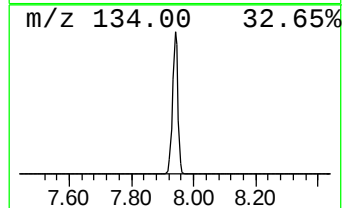
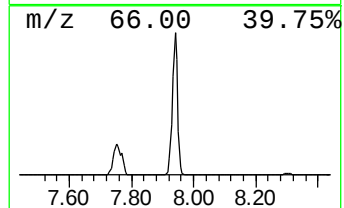
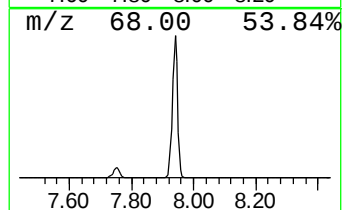
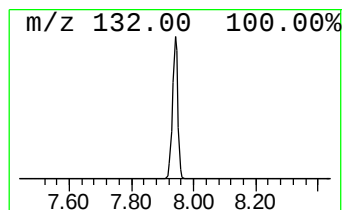
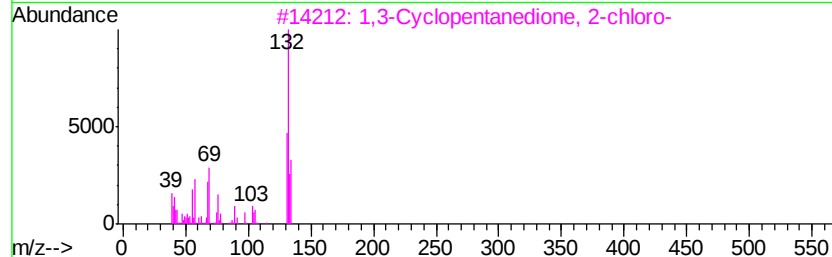
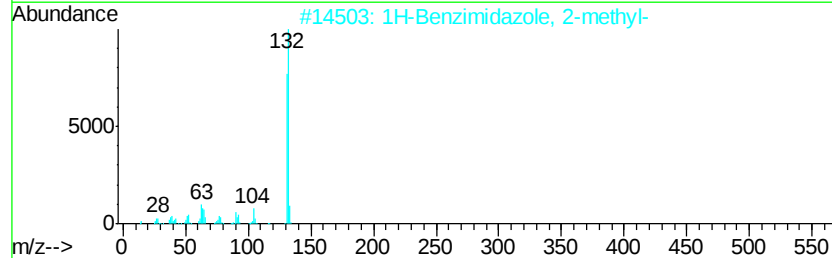
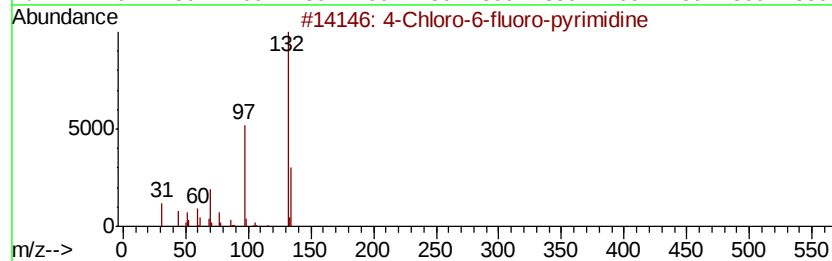
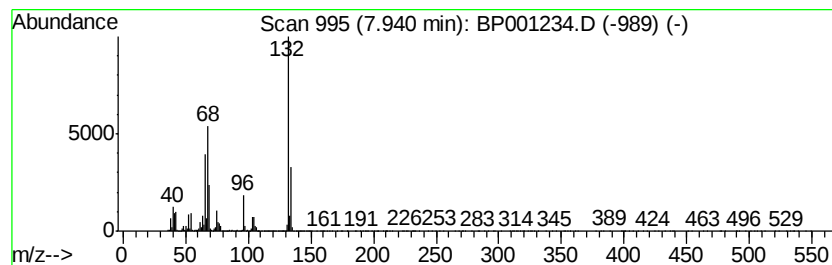
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	85.45 ng	2179240	1,4-Dichlorobenzene-d4	8.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
4		2H-Cyclopentaf[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	10
5		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10



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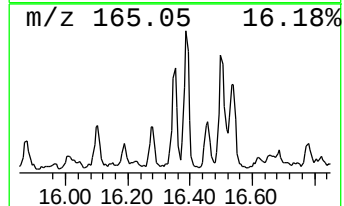
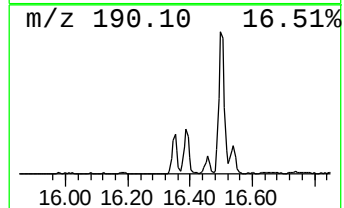
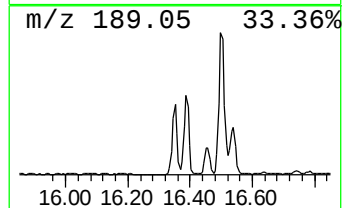
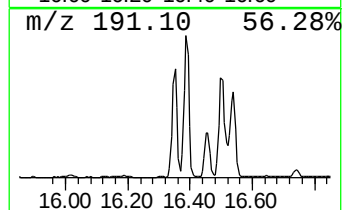
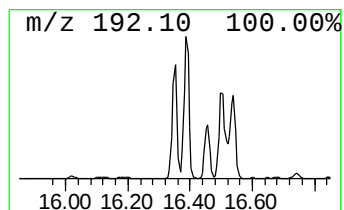
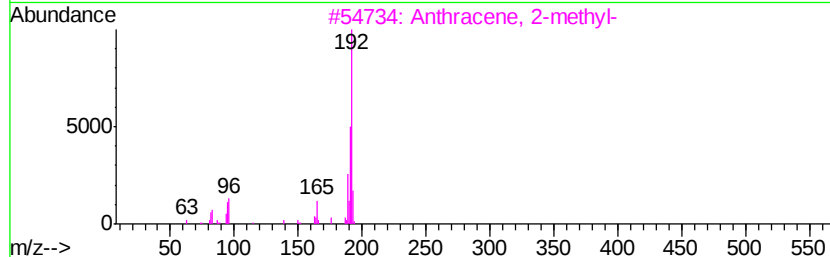
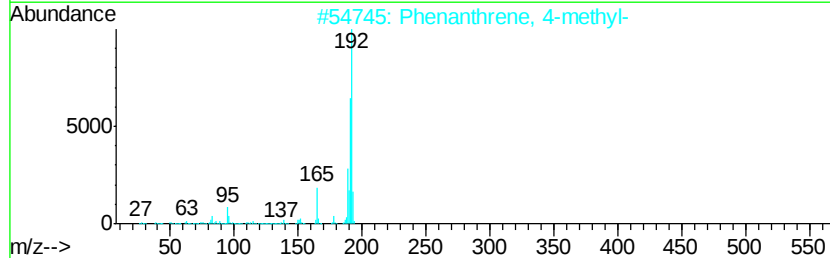
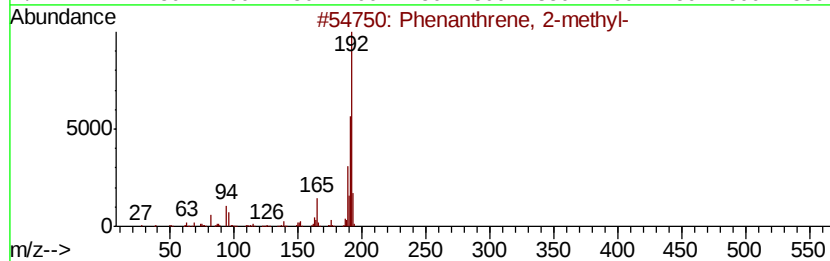
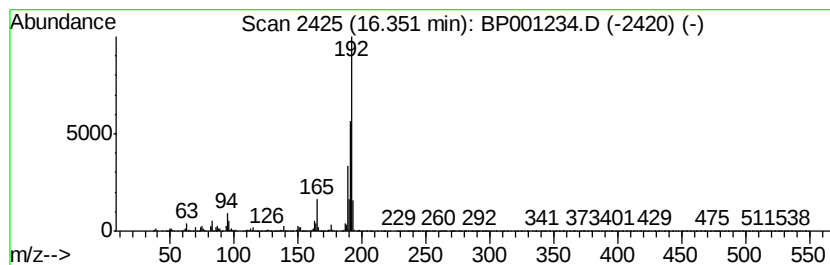
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	7.55 ng	308389	Phenanthrene-d10	15.59

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
Operator : JU
Sample : K6133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ROLL-OFF-362

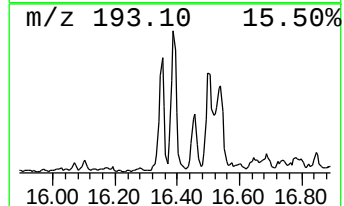
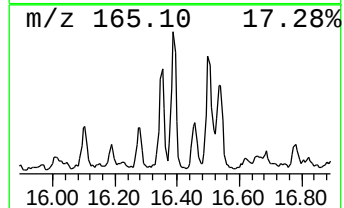
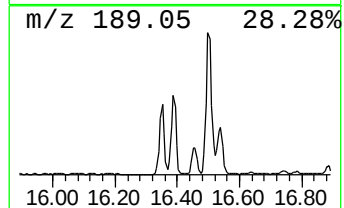
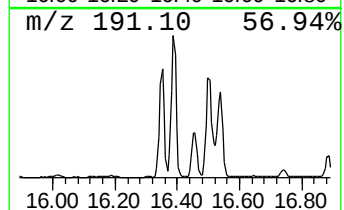
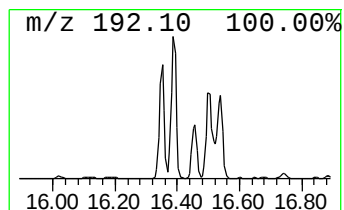
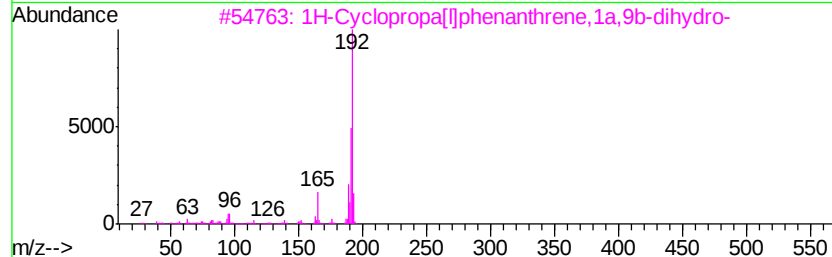
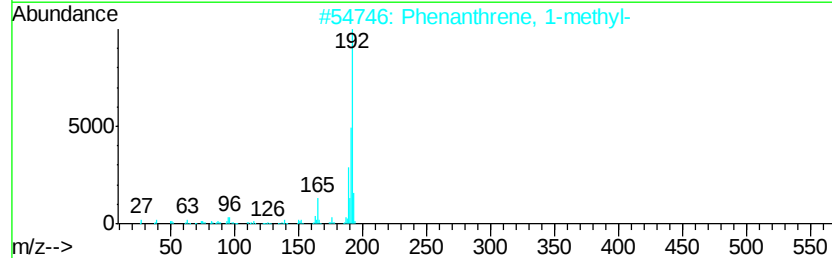
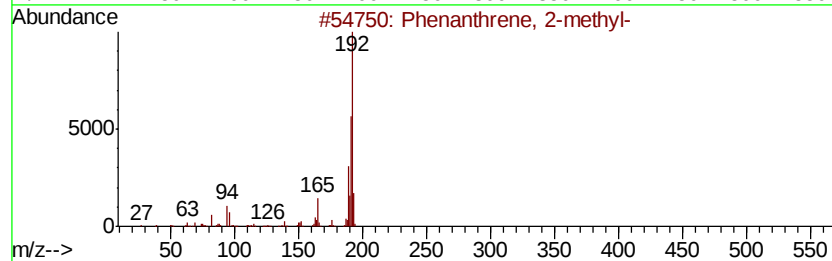
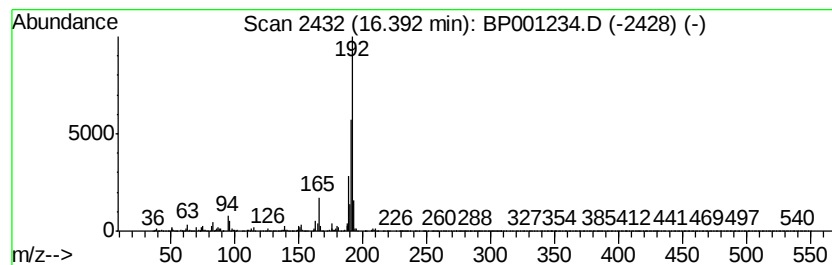
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	10.54 ng	430406	Phenanthrene-d10	15.59

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
Operator : JU
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ClientSampleId :
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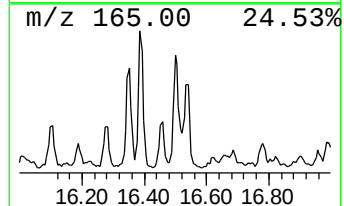
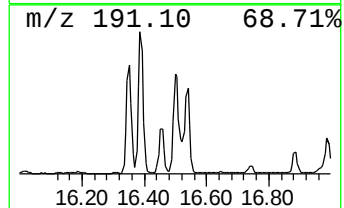
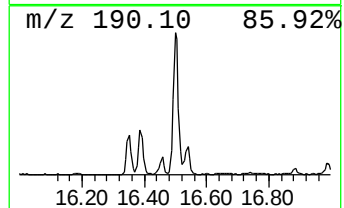
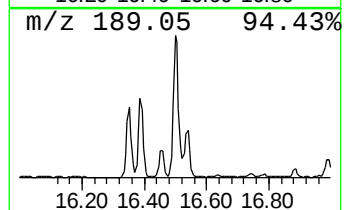
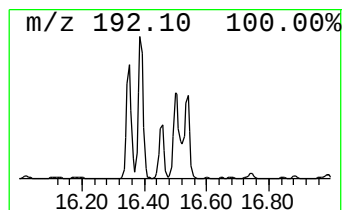
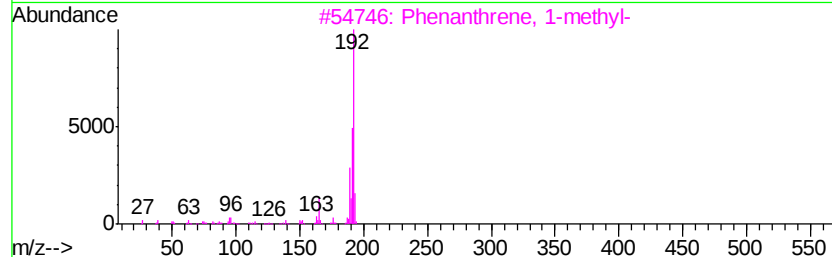
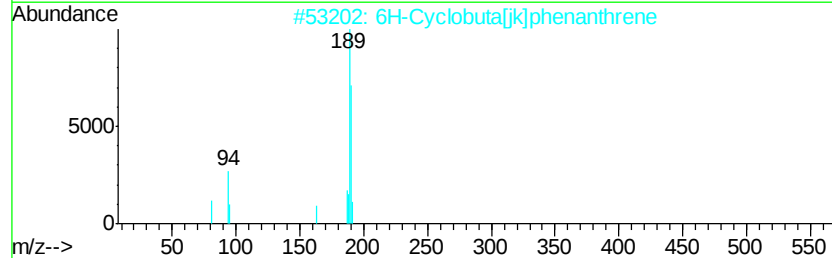
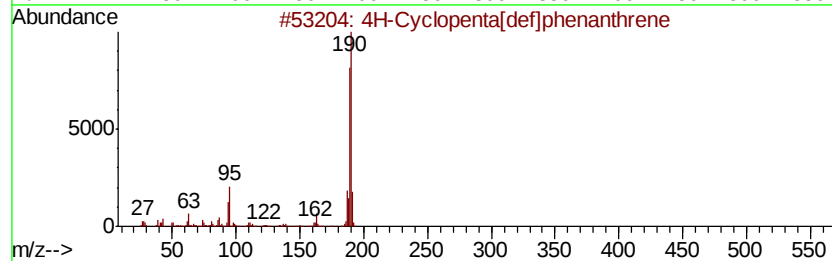
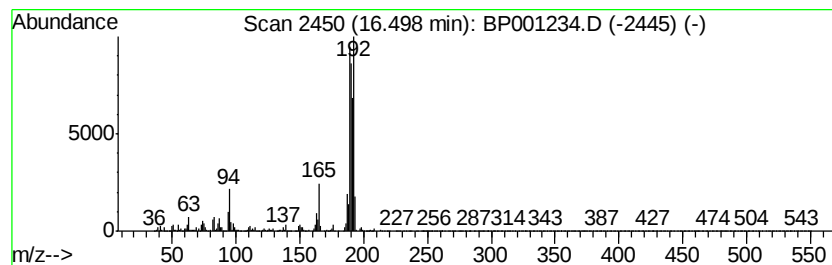
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	17.09 ng	697674	Phenanthrene-d10	15.59

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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Sample : K6133-01
Misc :
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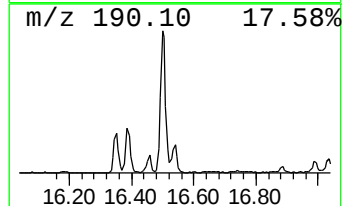
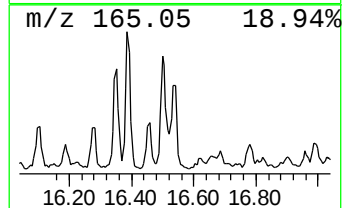
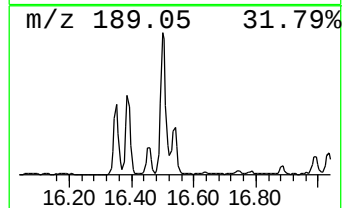
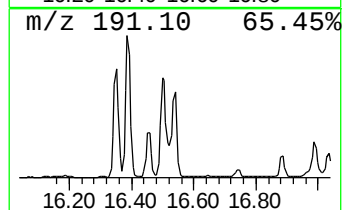
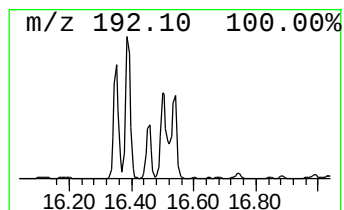
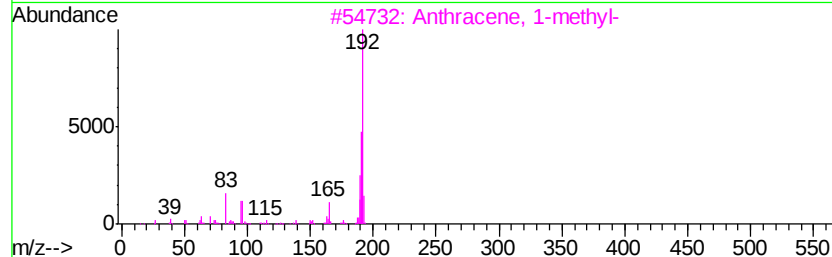
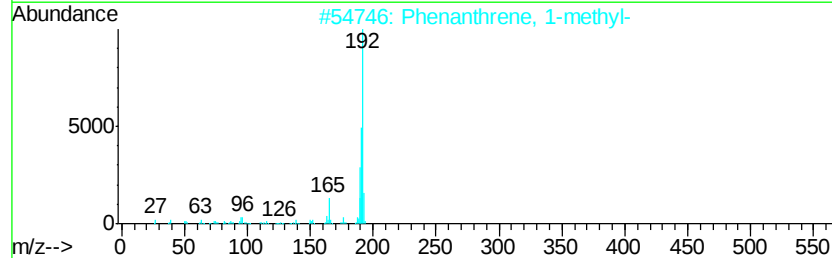
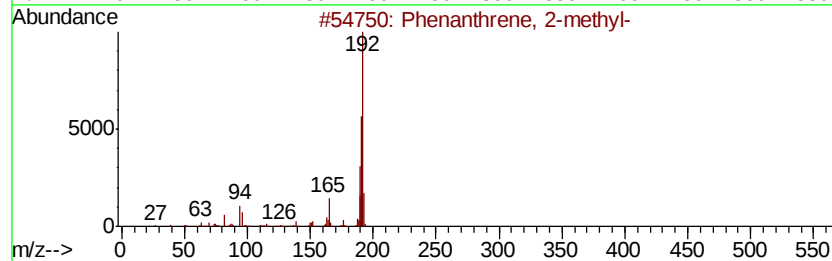
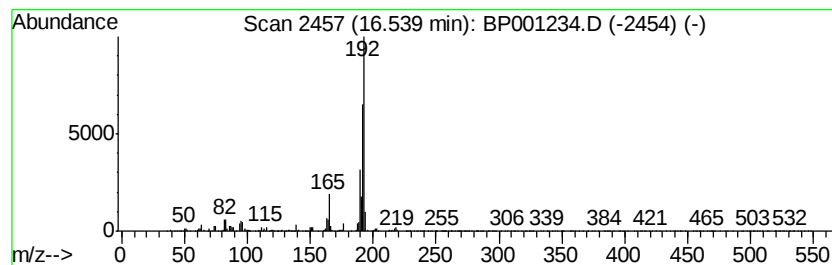
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	6.28 ng	256439	Phenanthrene-d10	15.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	81
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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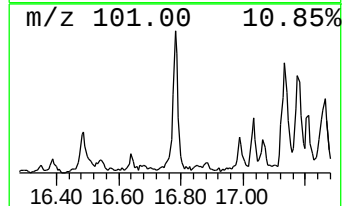
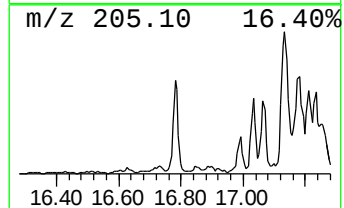
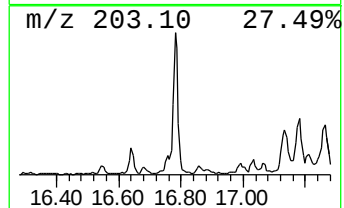
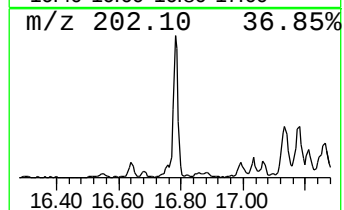
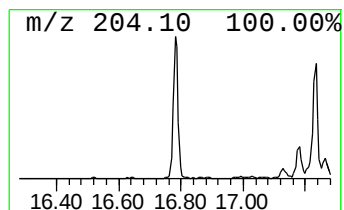
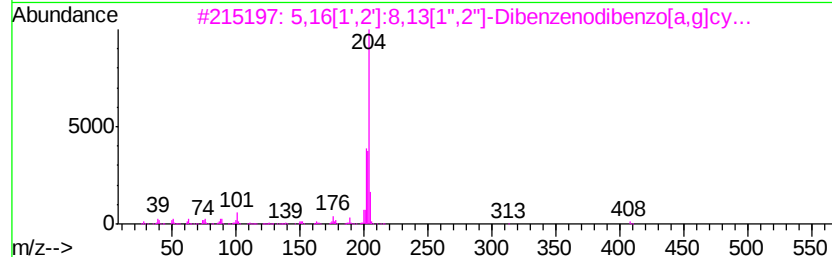
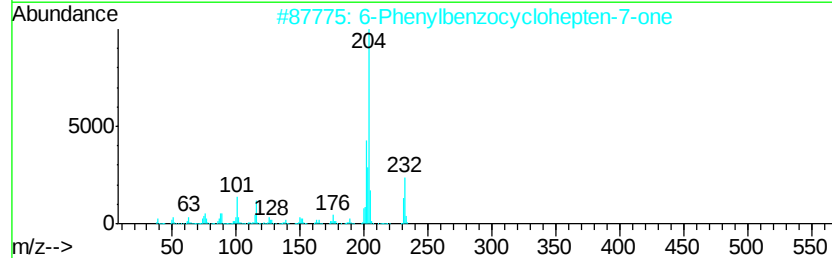
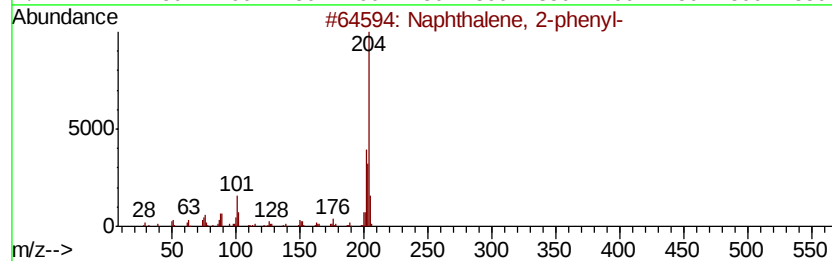
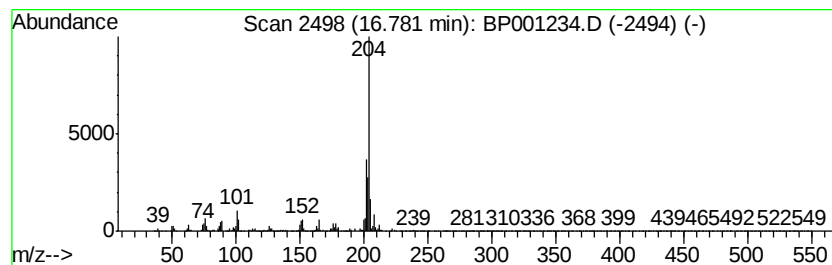
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	8.82 ng	360135	Phenanthrene-d10	15.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		[1,1'-Bi(phenyl)-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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Misc :
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Instrument :
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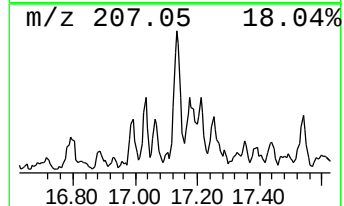
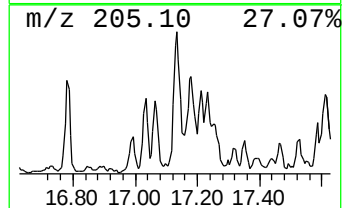
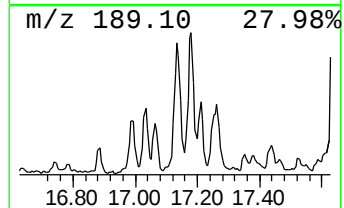
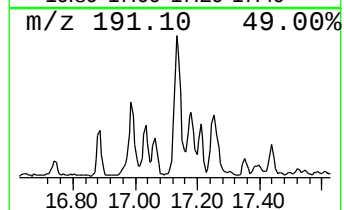
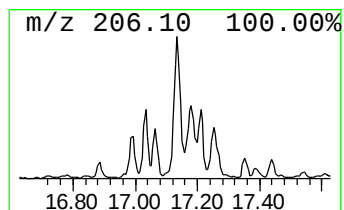
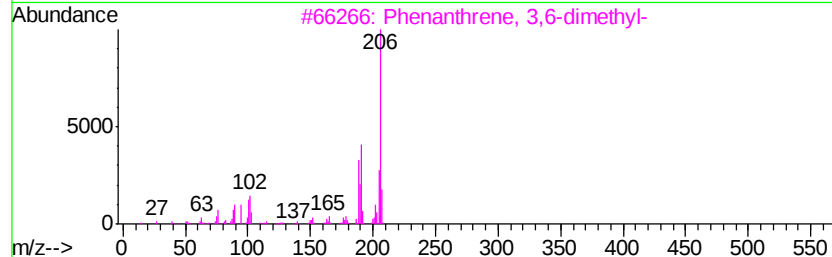
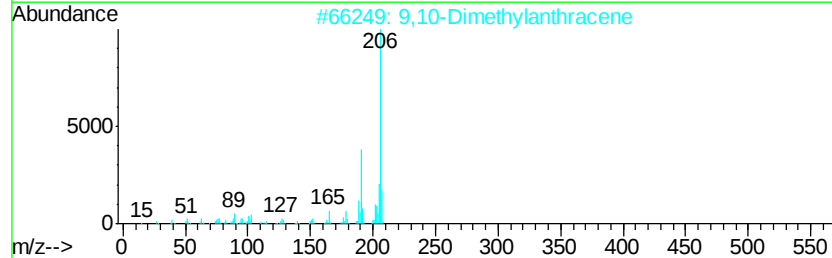
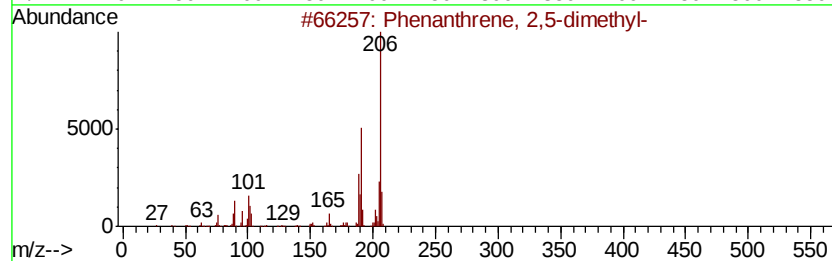
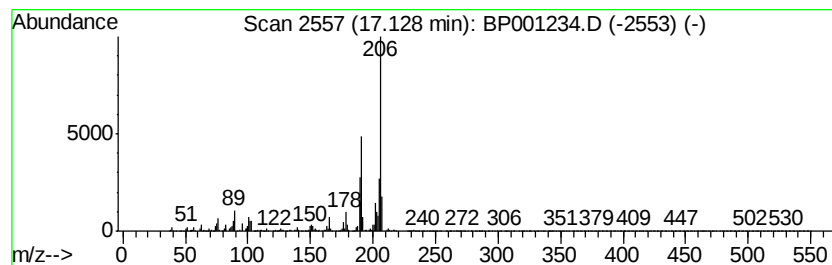
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	7.99 ng	326466	Phenanthrene-d10	15.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91



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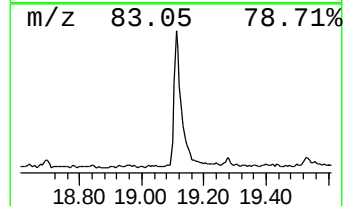
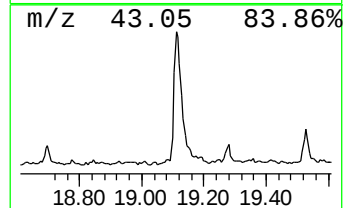
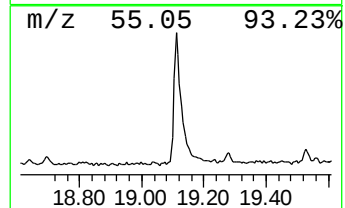
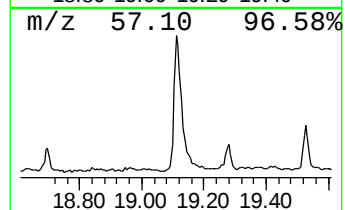
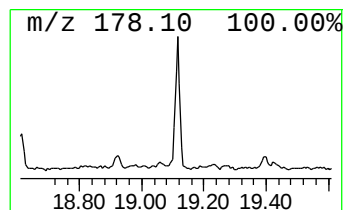
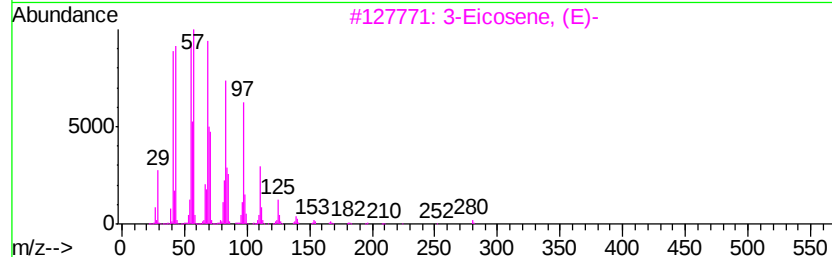
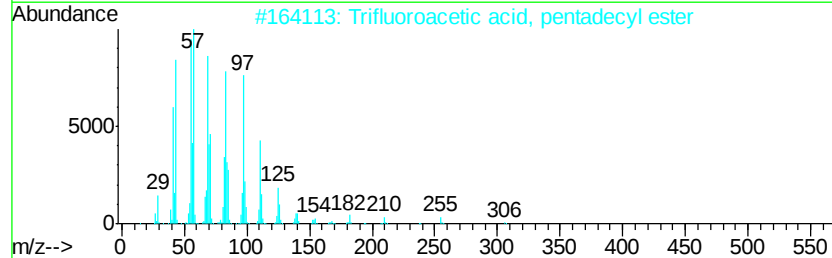
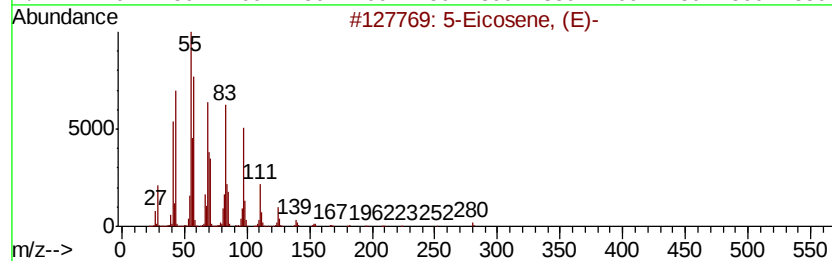
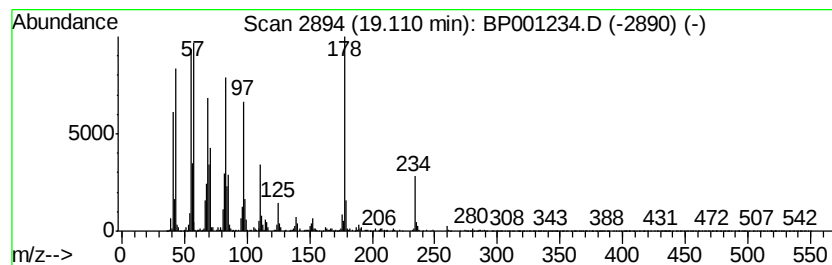
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5-Eicosene, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.11	4.91 ng	663896	Chrysene-d12	19.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	83
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	70
4	Cyclobutenedione, diphenyl-	234	C16H10O2	024234-76-2	70
5	Titanium tetrachloride	188	Cl4Ti	007550-45-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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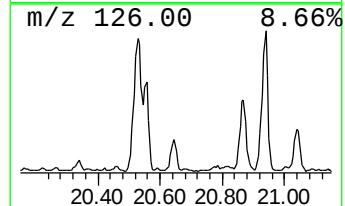
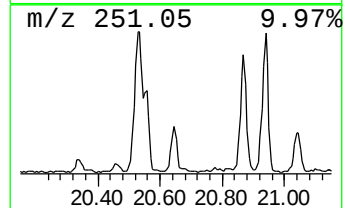
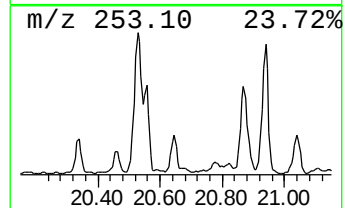
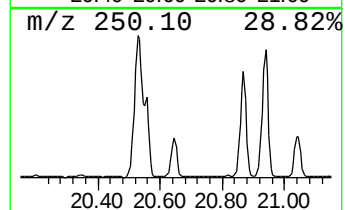
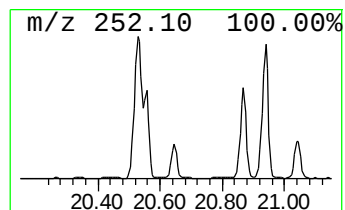
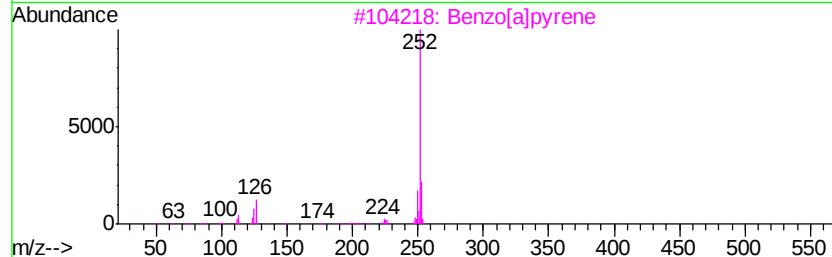
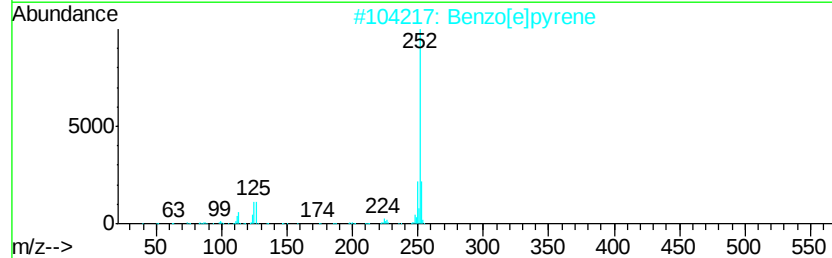
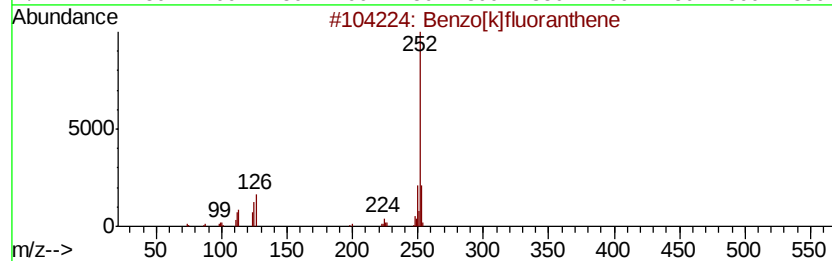
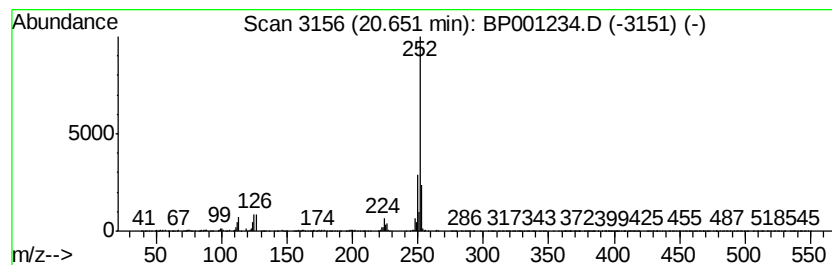
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.65	8.90 ng	311282	Perylene-d12	21.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2		Benzo[e]pyrene	252	C20H12	000192-97-2	90
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
Operator : JU
Sample : K6133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

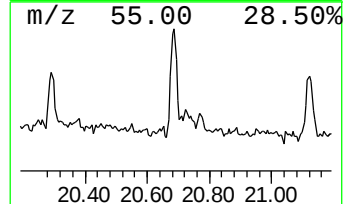
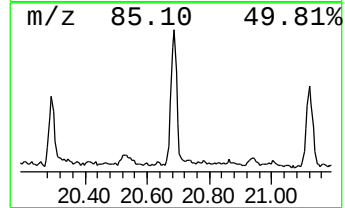
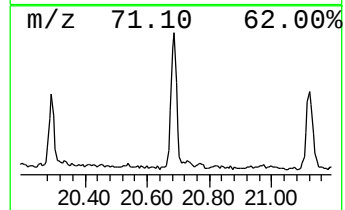
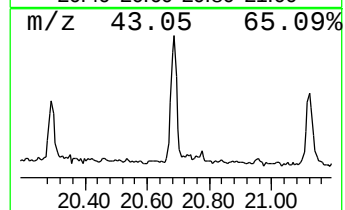
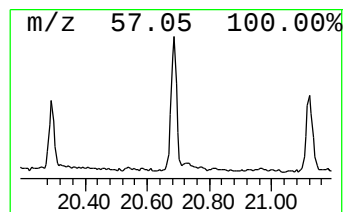
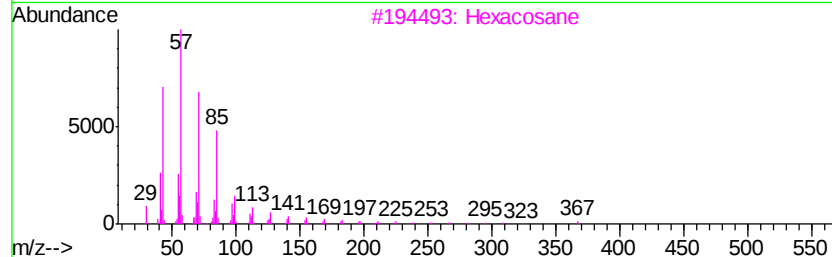
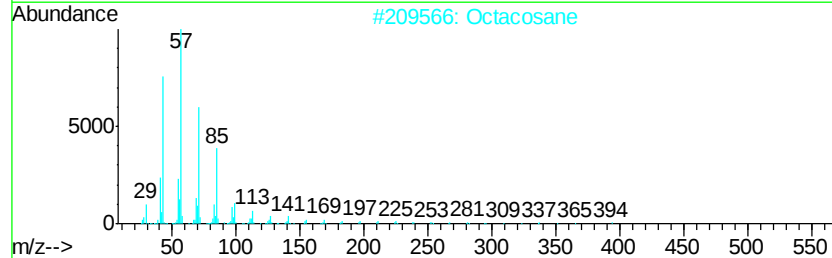
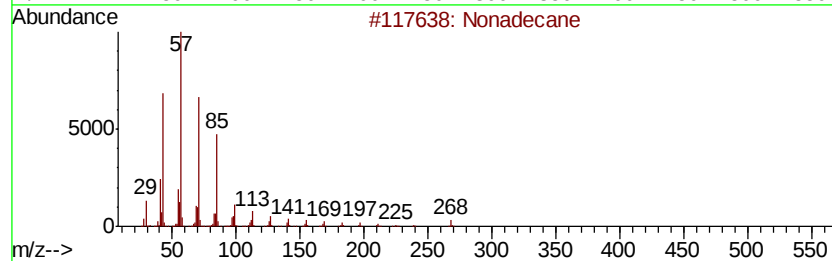
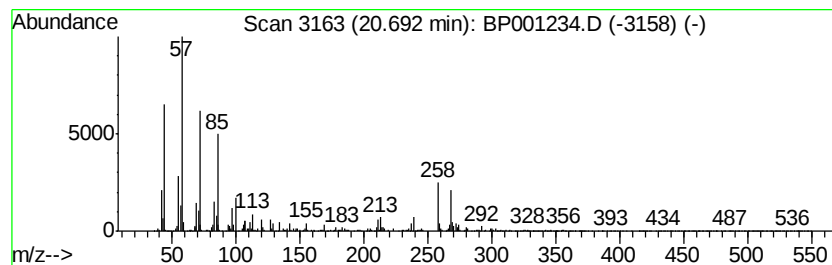
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Nonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	5.40 ng	189012	Perylene-d12	21.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	93
2			Octacosane	394	C28H58	000630-02-4	87
3			Hexacosane	366	C26H54	000630-01-3	87
4			2-methyloctacosane	408	C29H60	1000376-72-8	83
5			Docosane	310	C22H46	000629-97-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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Sample : K6133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ROLL-OFF-362

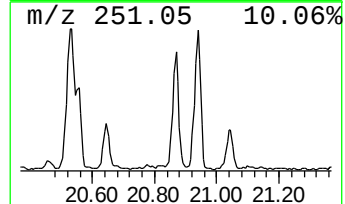
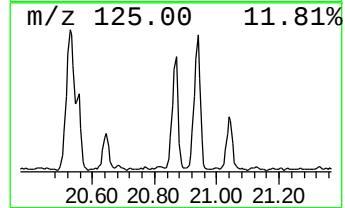
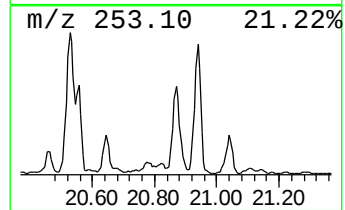
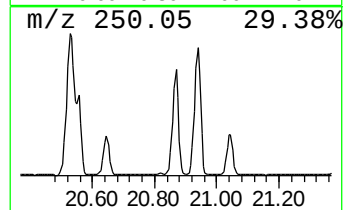
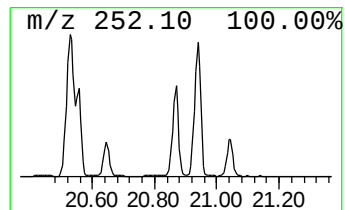
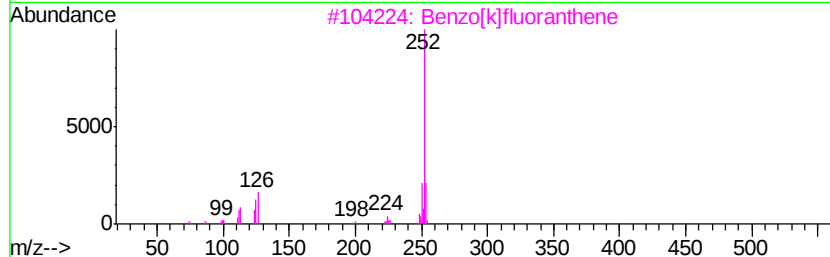
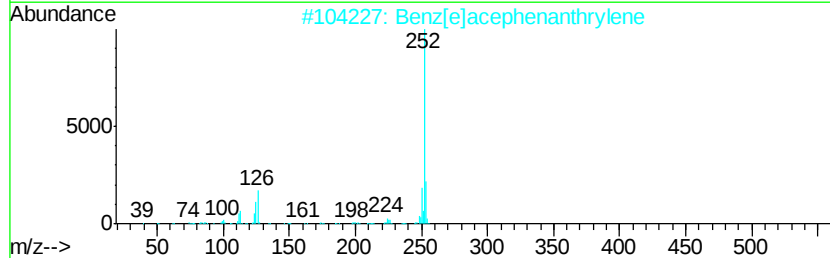
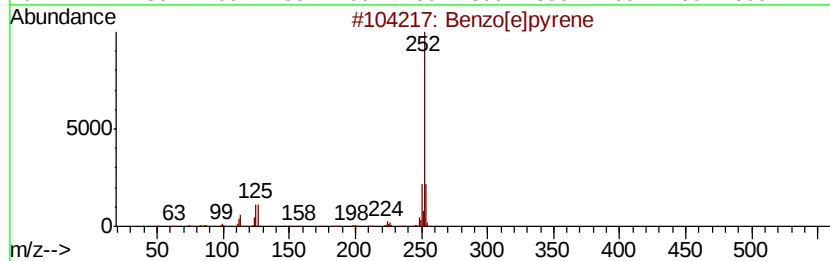
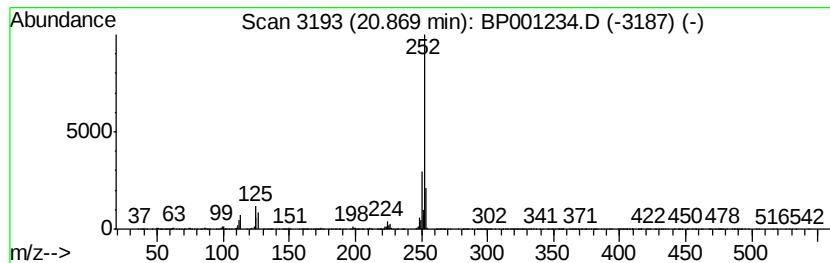
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	28.52 ng	997391	Perylene-d12	21.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pvrene	252	C20H12	000192-97-2	94
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[al]pvrene	252	C20H12	000050-32-8	93
5		Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
Operator : JU
Sample : K6133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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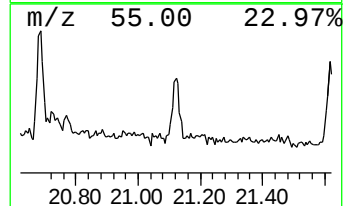
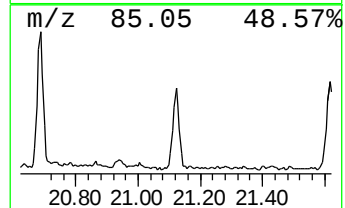
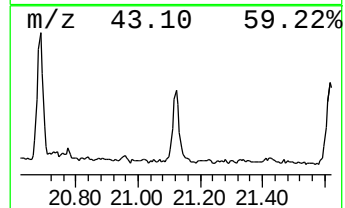
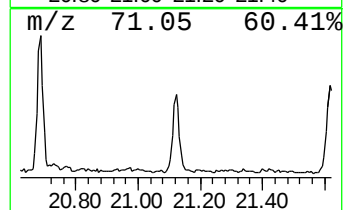
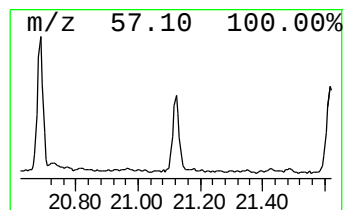
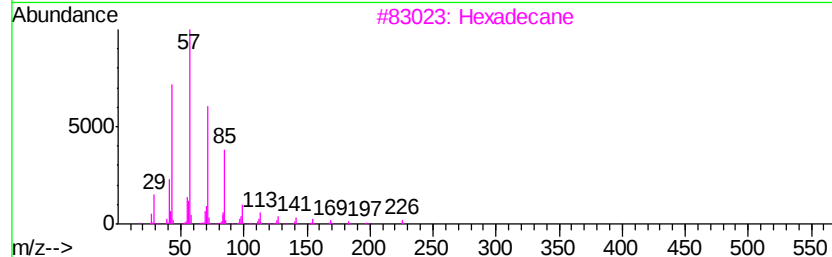
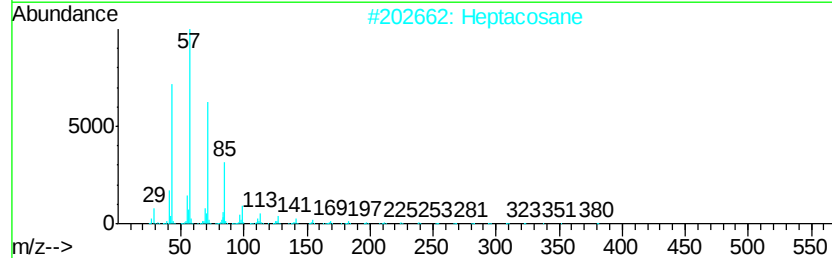
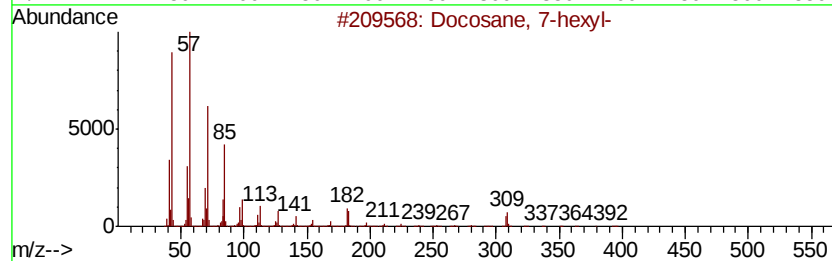
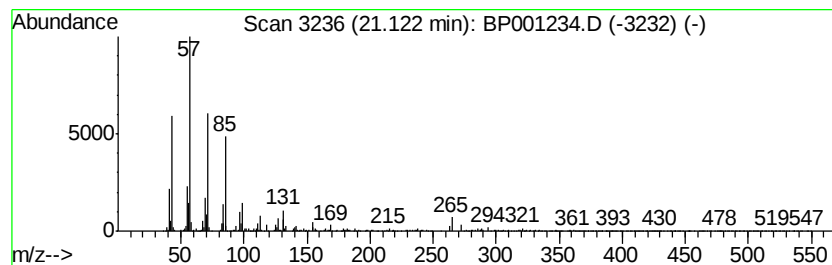
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Docosane, 7-hexyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	7.03 ng	245901	Perylene-d12	21.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane, 7-hexyl-	394	C28H58	055373-86-9	80
2		Heptacosane	380	C27H56	000593-49-7	80
3		Hexadecane	226	C16H34	000544-76-3	64
4		Tetradecane	198	C14H30	000629-59-4	64
5		2-methylhexacosane	380	C27H56	1000376-72-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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Misc :
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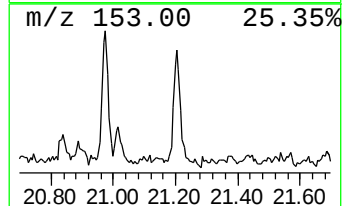
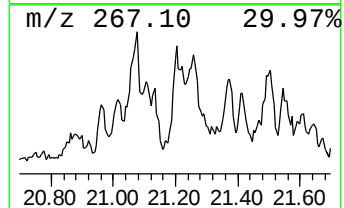
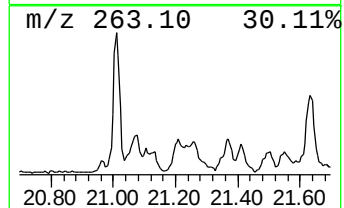
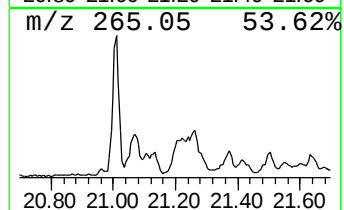
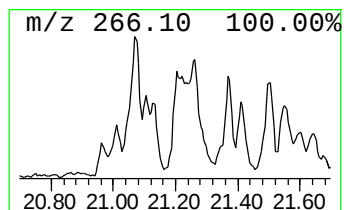
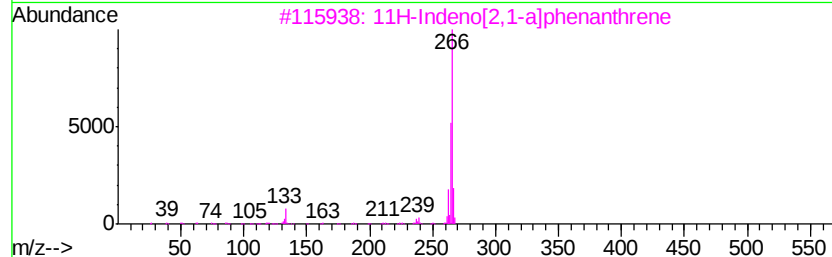
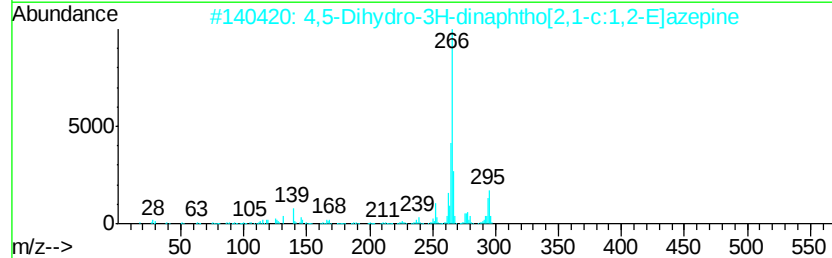
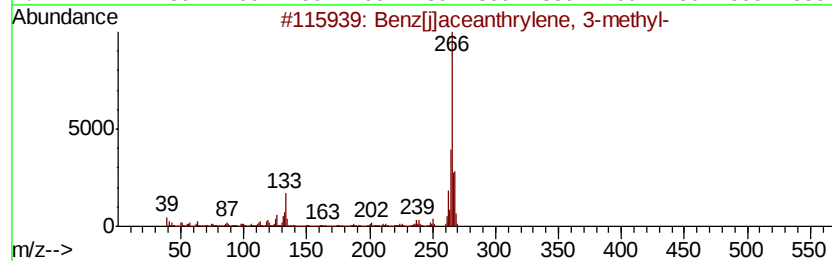
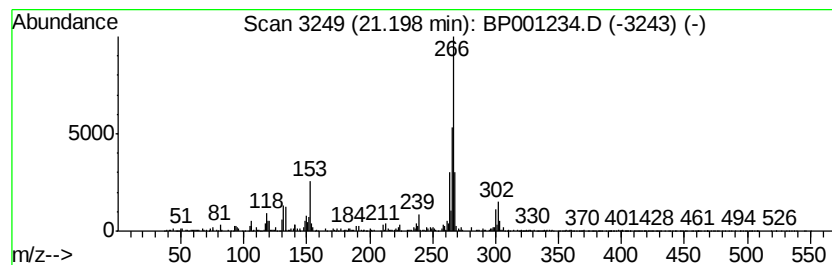
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz[j]aceanthrylene, 3-met... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	6.57 ng	229687	Perylene-d12	21.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[il]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	83
2			4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	68
3			11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	58
4			13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	49
5			Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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Instrument :
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ClientSampleId :
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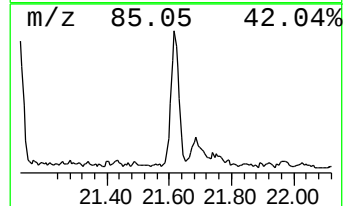
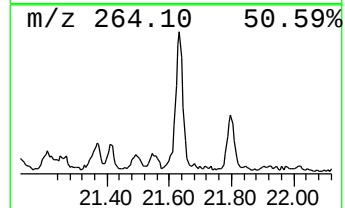
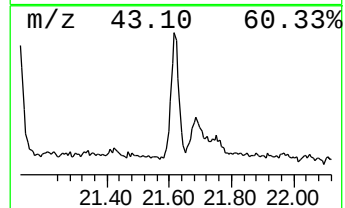
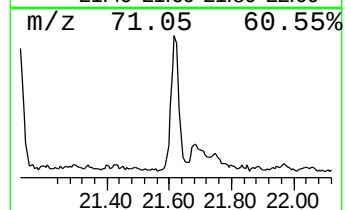
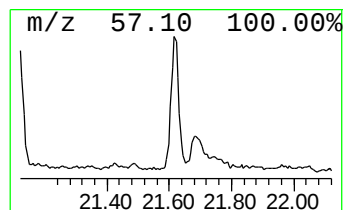
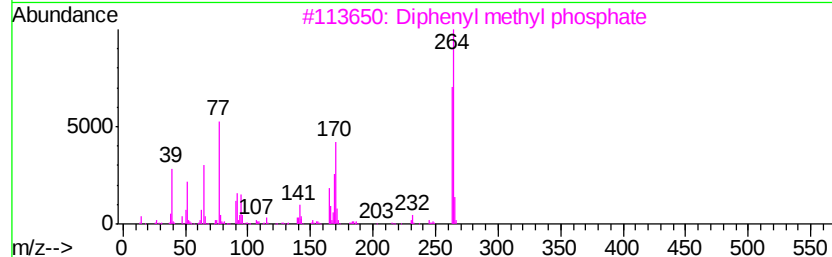
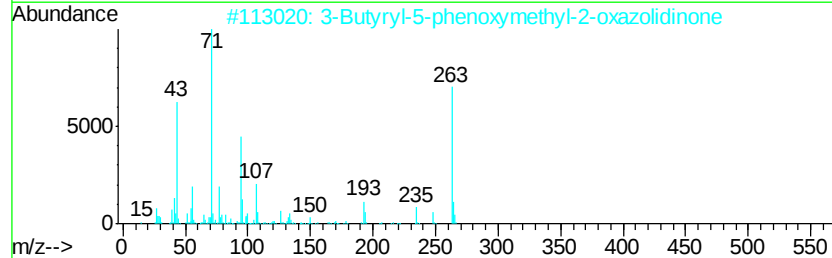
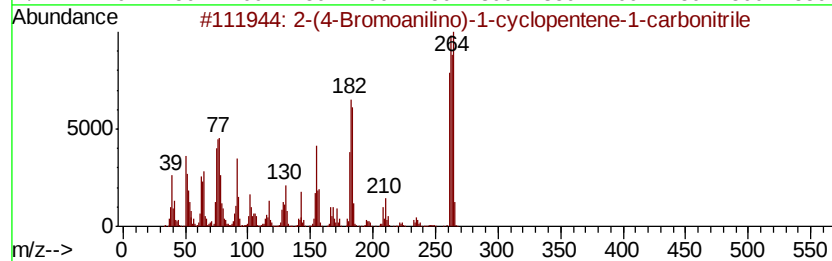
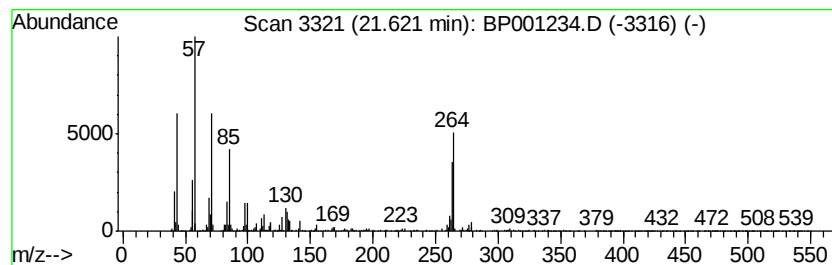
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown21.62 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	6.63 ng	231745	Perylene-d12	21.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(4-Bromoanilino)-1-cyclopenten...	262	C12H11BrN2	191980-05-9	22
2			3-Butyryl-5-phenoxyethyl-2-oxaz...	263	C14H17N04	014789-96-9	22
3			Diphenyl methyl phosphate	264	C13H13O4P	000115-89-9	9
4			Furazano[3,4-H]1,6-naphthylidin...	264	C14H8N4O2	296245-19-7	9
5			Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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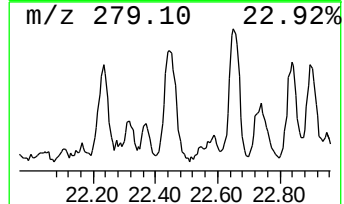
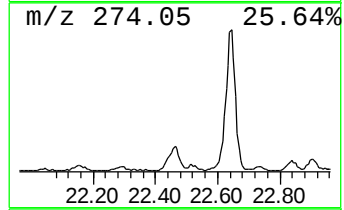
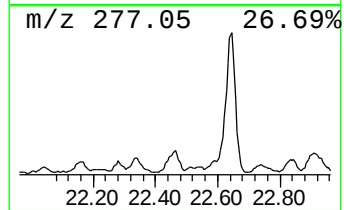
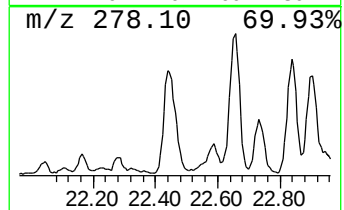
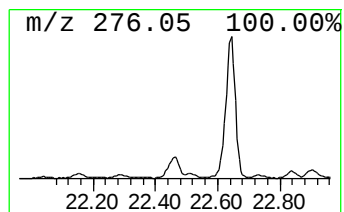
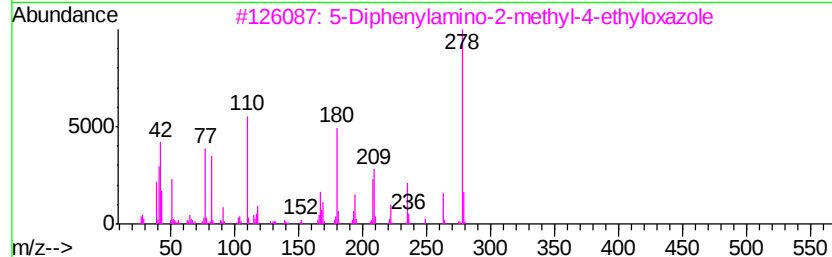
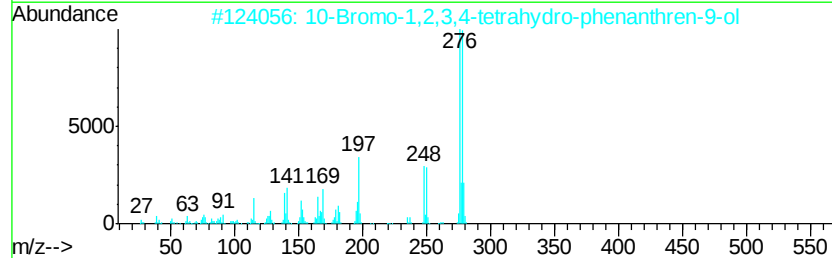
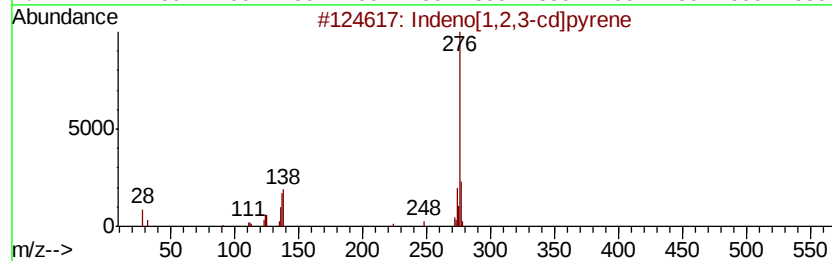
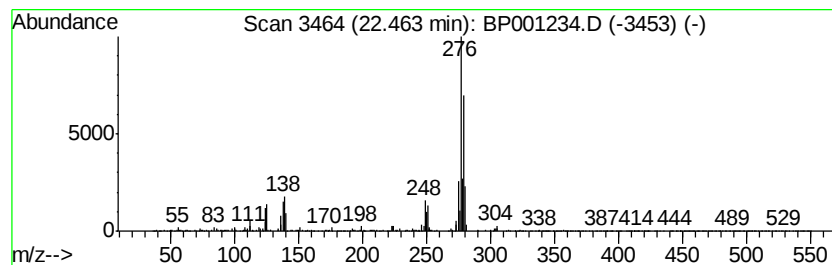
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.46	11.68 ng	408654	Perylene-d12	21.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	84
2		10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	80
3		5-Diphenylamino-2-methyl-4-ethyl...	278	C18H18N2O	066927-32-0	74
4		Benzo[ghi]perylene	276	C22H12	000191-24-2	46
5		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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ALS Vial : 9 Sample Multiplier: 1

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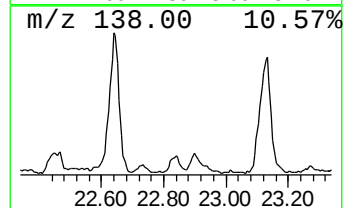
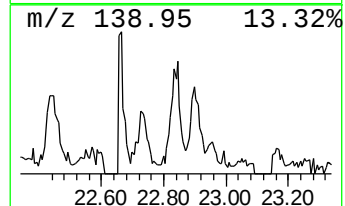
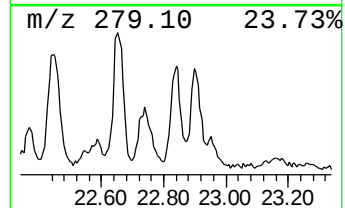
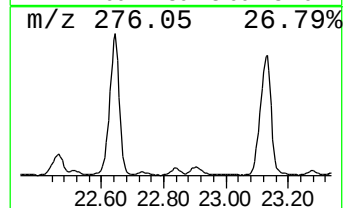
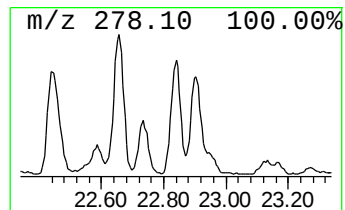
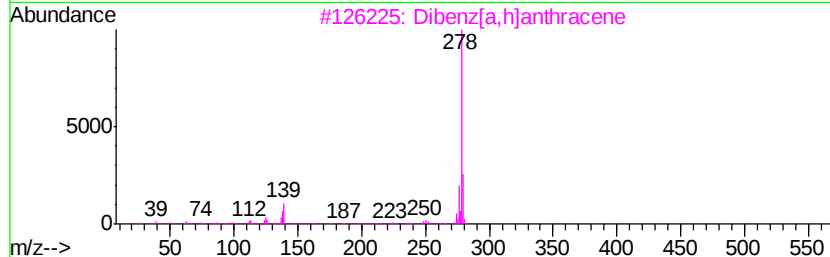
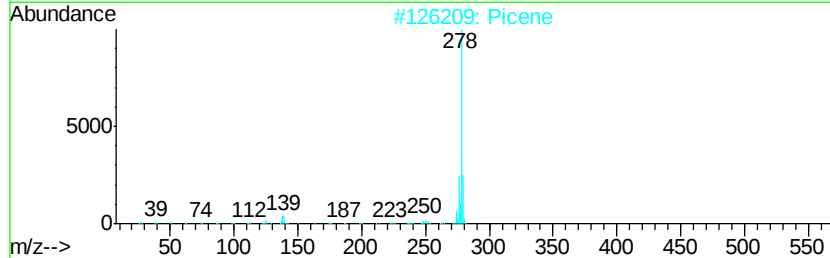
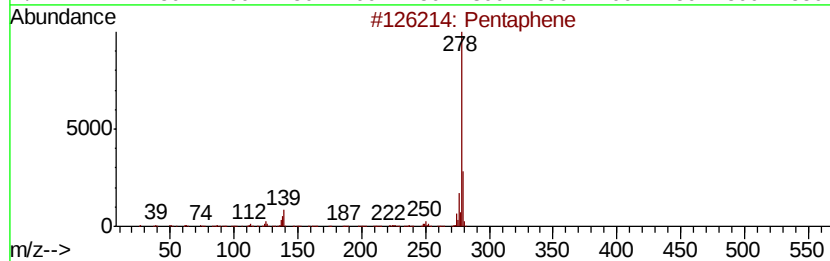
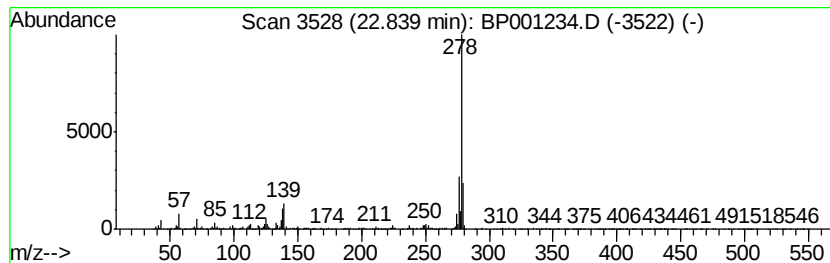
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentaphene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	6.83 ng	238845	Perylene-d12	21.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentaphene	278	C22H14	000222-93-5	97
2			Picene	278	C22H14	000213-46-7	97
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4			Benzo[b]chrysene	278	C22H14	000214-17-5	97
5			Benzo[b]triphenylene	278	C22H14	000215-58-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
Operator : JU
Sample : K6133-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

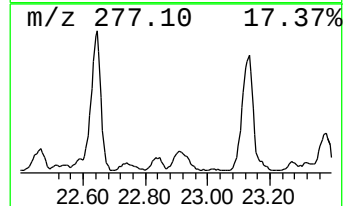
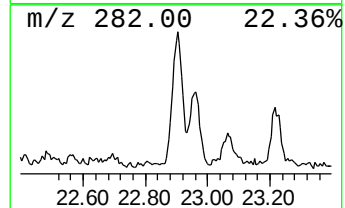
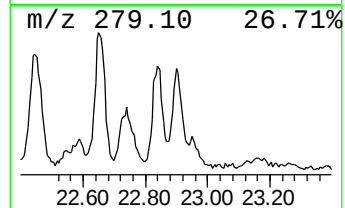
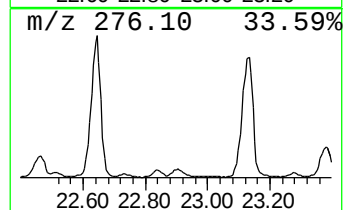
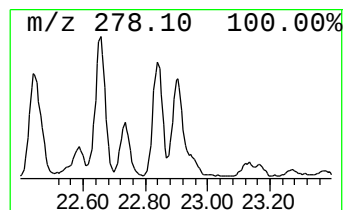
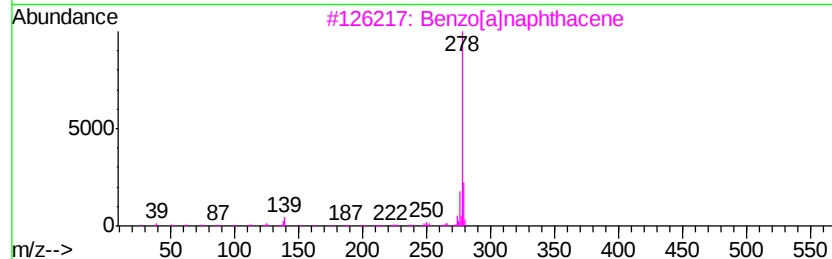
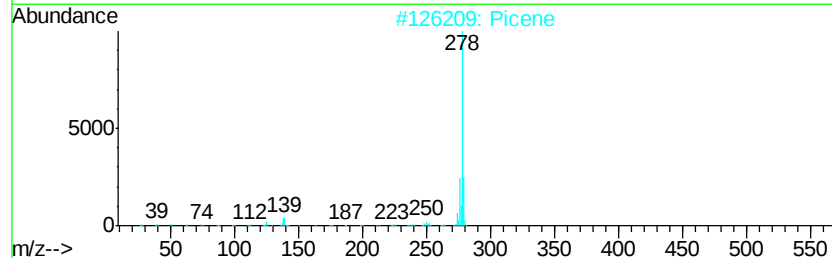
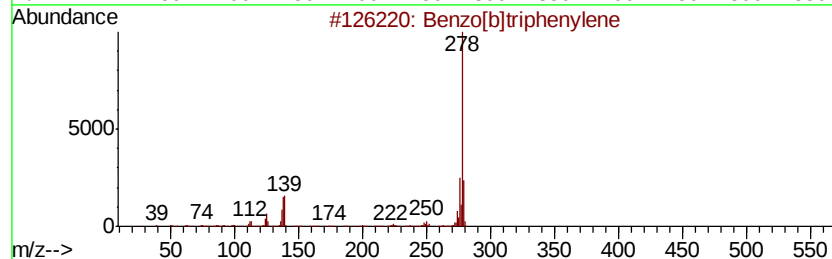
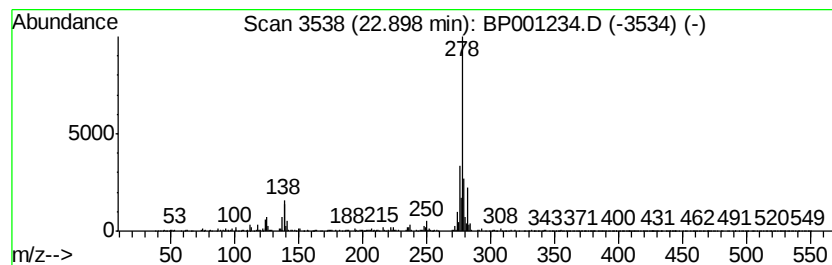
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.90	4.28 ng	149771	Perylene-d12	21.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	90
2			Picene	278	C22H14	000213-46-7	78
3			Benzo[a]naphthacene	278	C22H14	000226-88-0	60
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	55
5			Benzo[b]chrysene	278	C22H14	000214-17-5	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP120619\
 Data File : BP001234.D
 Acq On : 06 Dec 2019 17:24
 Operator : JU
 Sample : K6133-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-362

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.62	17.4	ng	442812	1	8.30	510037	20.0
unknown7.94	7.94	85.5	ng	2179240	1	8.30	510037	20.0
Phenanthrene, 2-m...	16.35	7.5	ng	308389	4	15.59	816687	20.0
Phenanthrene, 1-m...	16.39	10.5	ng	430406	4	15.59	816687	20.0
4H-Cyclopenta[def...	16.50	17.1	ng	697674	4	15.59	816687	20.0
Anthracene, 1-met...	16.54	6.3	ng	256439	4	15.59	816687	20.0
Naphthalene, 2-ph...	16.78	8.8	ng	360135	4	15.59	816687	20.0
Phenanthrene, 2,5...	17.13	8.0	ng	326466	4	15.59	816687	20.0
5-Eicosene, (E)-	19.11	4.9	ng	663896	5	19.24	2704220	20.0
Benzo[e]pyrene	20.65	8.9	ng	311282	6	21.01	699501	20.0
Nonadecane	20.69	5.4	ng	189012	6	21.01	699501	20.0
Perylene	20.87	28.5	ng	997391	6	21.01	699501	20.0
Docosane, 7-hexyl-	21.12	7.0	ng	245901	6	21.01	699501	20.0
Benz[j]aceanthryl...	21.20	6.6	ng	229687	6	21.01	699501	20.0
unknown21.62	21.62	6.6	ng	231745	6	21.01	699501	20.0
10-Bromo-1,2,3,4-...	22.46	11.7	ng	408654	6	21.01	699501	20.0
Pentaphene	22.84	6.8	ng	238845	6	21.01	699501	20.0
Picene	22.90	4.3	ng	149771	6	21.01	699501	20.0