

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
 Data File : BG041002.D
 Acq On : 1 Jun 2019 7:55
 Operator : HP/JU
 Sample : K2966-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

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_G\METHODS\8270-BG052919.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	3.127	3	6	15	rVB	119980	218756	5.51%	0.317%
2	3.203	15	19	33	rVB	357261	545614	13.74%	0.790%
3	5.653	429	436	449	rBV	1182636	1891191	47.64%	2.738%
4	7.263	702	710	726	rBV	1279584	2284249	57.54%	3.307%
5	7.645	765	775	789	rBV	1243001	2120140	53.40%	3.069%
6	8.121	849	856	869	rVB	274013	474822	11.96%	0.687%
7	8.444	904	911	920	rBV	868048	1471965	37.08%	2.131%
8	9.296	1048	1056	1065	rBV	776365	1416181	35.67%	2.050%
9	10.941	1329	1336	1342	rBV	379475	654487	16.49%	0.947%
10	13.373	1742	1750	1761	rBV	1864569	2799015	70.50%	4.052%
11	14.067	1860	1868	1874	rBV2	31567	60109	1.51%	0.087%
12	14.190	1884	1889	1897	rBV	216976	313068	7.89%	0.453%
13	14.478	1926	1938	1946	rBV3	35739	80468	2.03%	0.116%
14	14.748	1975	1984	1991	rBV3	564135	958626	24.15%	1.388%
15	14.813	1991	1995	2001	rVB2	73549	108331	2.73%	0.157%
16	15.142	2044	2051	2058	rVB2	40371	82474	2.08%	0.119%
17	15.353	2080	2087	2091	rBV5	26760	51209	1.29%	0.074%
18	15.524	2109	2116	2119	rBV6	18915	45793	1.15%	0.066%
19	15.794	2156	2162	2170	rVB	96925	163066	4.11%	0.236%
20	16.082	2202	2211	2218	rVB5	33635	73007	1.84%	0.106%
21	16.235	2230	2237	2248	rBV	1636729	2511559	63.26%	3.636%
22	16.434	2264	2271	2283	rVB4	104490	225566	5.68%	0.327%
23	16.787	2319	2331	2336	rBV4	54035	147747	3.72%	0.214%
24	16.840	2336	2340	2346	rVB3	33611	55485	1.40%	0.080%
25	17.010	2362	2369	2373	rBV3	32672	74224	1.87%	0.107%
26	17.145	2387	2392	2398	rVB	60110	92588	2.33%	0.134%
27	17.204	2398	2402	2409	rBV6	32511	67200	1.69%	0.097%
28	17.316	2415	2421	2426	rVB	69689	113771	2.87%	0.165%
29	17.492	2445	2451	2455	rBV2	724443	1170042	29.47%	1.694%
30	17.539	2455	2459	2465	rVB	1272675	1800780	45.36%	2.607%
31	17.627	2469	2474	2478	rBV	152604	215604	5.43%	0.312%
32	17.897	2513	2520	2525	rBV2	111475	186947	4.71%	0.271%
33	18.009	2534	2539	2543	rBV2	53266	80560	2.03%	0.117%
34	18.074	2545	2550	2555	rVB	74579	118945	3.00%	0.172%

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35	18.221	2570	2575	2581	rVB	54186	111774	2.82%	0.162%
36	18.350	2592	2597	2604	rVV2	476367	981999	24.73%	1.422%
37	18.415	2604	2608	2614	rVB	343026	526662	13.27%	0.762%
38	18.491	2617	2621	2626	rVB	80528	113317	2.85%	0.164%
39	18.561	2626	2633	2637	rBV3	409646	834442	21.02%	1.208%
40	18.597	2637	2639	2643	rVB	202592	221295	5.57%	0.320%
41	18.708	2655	2658	2661	rVV4	29961	44147	1.11%	0.064%
42	18.755	2663	2666	2670	rVB3	38567	50267	1.27%	0.073%
43	18.855	2679	2683	2687	rBV	183422	275617	6.94%	0.399%
44	18.908	2687	2692	2699	rVB2	267255	394480	9.94%	0.571%
45	18.979	2701	2704	2708	rBV3	25161	47069	1.19%	0.068%
46	19.073	2716	2720	2721	rBV4	39521	45748	1.15%	0.066%
47	19.096	2721	2724	2729	rVV	83839	130648	3.29%	0.189%
48	19.149	2729	2733	2736	rVV	110639	144644	3.64%	0.209%
49	19.190	2736	2740	2743	rVB2	73992	97695	2.46%	0.141%
50	19.266	2748	2753	2759	rBV	242971	455849	11.48%	0.660%
51	19.337	2759	2765	2767	rBV3	72171	133215	3.36%	0.193%
52	19.419	2773	2779	2785	rBV3	141406	322175	8.12%	0.466%
53	19.543	2793	2800	2805	rVB	2581522	3758640	94.67%	5.441%
54	19.613	2805	2812	2820	rBV5	206656	466177	11.74%	0.675%
55	19.731	2828	2832	2835	rVV3	59408	72087	1.82%	0.104%
56	19.784	2837	2841	2848	rVV	97645	189685	4.78%	0.275%
57	19.866	2850	2855	2857	rVV2	401218	597210	15.04%	0.865%
58	19.907	2857	2862	2868	rVV	2392595	3528449	88.88%	5.108%
59	19.966	2868	2872	2877	rVB	177246	248955	6.27%	0.360%
60	20.089	2887	2893	2898	rBV	2632111	3470063	87.41%	5.023%
61	20.218	2909	2915	2922	rBV3	226765	573491	14.45%	0.830%
62	20.283	2922	2926	2931	rVV3	63732	135480	3.41%	0.196%
63	20.389	2932	2944	2949	rVB	533014	1246851	31.41%	1.805%
64	20.489	2956	2961	2965	rBV	392770	565018	14.23%	0.818%
65	20.547	2965	2971	2975	rVV2	310028	517122	13.03%	0.749%
66	20.583	2975	2977	2980	rVB2	73050	66618	1.68%	0.096%
67	20.682	2990	2994	2998	rBV	250064	357897	9.01%	0.518%
68	20.729	2998	3002	3012	rVB	239366	418504	10.54%	0.606%
69	20.976	3041	3044	3047	rBV4	71116	104499	2.63%	0.151%
70	21.152	3070	3074	3082	rVB	212433	360882	9.09%	0.522%
71	21.346	3097	3107	3109	rBV3	285892	609488	15.35%	0.882%

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72	21.376	3109	3112	3118	rVV2	357845	766779	19.31%	1.110%
73	21.440	3118	3123	3127	rVV2	229293	435052	10.96%	0.630%
74	21.493	3128	3132	3139	rVB2	181116	337188	8.49%	0.488%
75	21.628	3151	3155	3160	rVB2	127513	192742	4.85%	0.279%
76	21.764	3167	3178	3185	rBV4	1413291	3970089	100.00%	5.747%
77	21.828	3185	3189	3200	rVB	1146222	1968249	49.58%	2.849%
78	21.922	3201	3205	3210	rBV4	126022	191162	4.82%	0.277%
79	21.981	3210	3215	3221	rBV	193784	344776	8.68%	0.499%
80	22.046	3223	3226	3233	rBV3	103814	181449	4.57%	0.263%
81	22.198	3246	3252	3257	rBV3	139751	283567	7.14%	0.410%
82	22.521	3299	3307	3315	rBV2	218209	696974	17.56%	1.009%
83	22.598	3316	3320	3329	rVB2	174145	366613	9.23%	0.531%
84	22.745	3342	3345	3350	rVB2	97269	161471	4.07%	0.234%
85	22.803	3352	3355	3360	rVV	141960	263320	6.63%	0.381%
86	22.850	3360	3363	3372	rVB3	148189	320423	8.07%	0.464%
87	22.950	3374	3380	3389	rBV6	97161	226889	5.71%	0.328%
88	23.262	3428	3433	3448	rVB4	198488	526740	13.27%	0.762%
89	24.055	3558	3568	3586	rBV	745898	3796408	95.63%	5.496%
90	24.313	3606	3612	3619	rVB2	151696	330517	8.33%	0.478%
91	24.801	3687	3695	3708	rVB	472796	1408329	35.47%	2.039%
92	24.960	3713	3722	3732	rVV	678580	1960566	49.38%	2.838%
93	25.118	3735	3749	3757	rVV3	423655	1651956	41.61%	2.391%
94	25.201	3758	3763	3774	rVB2	187107	564050	14.21%	0.817%
95	26.235	3934	3939	3949	rVB5	120354	361654	9.11%	0.524%
96	27.651	4169	4180	4190	rBV8	55384	236819	5.97%	0.343%
97	28.955	4388	4402	4424	rVB2	302548	1652795	41.63%	2.393%
98	30.160	4595	4607	4621	rVB2	212057	992961	25.01%	1.437%

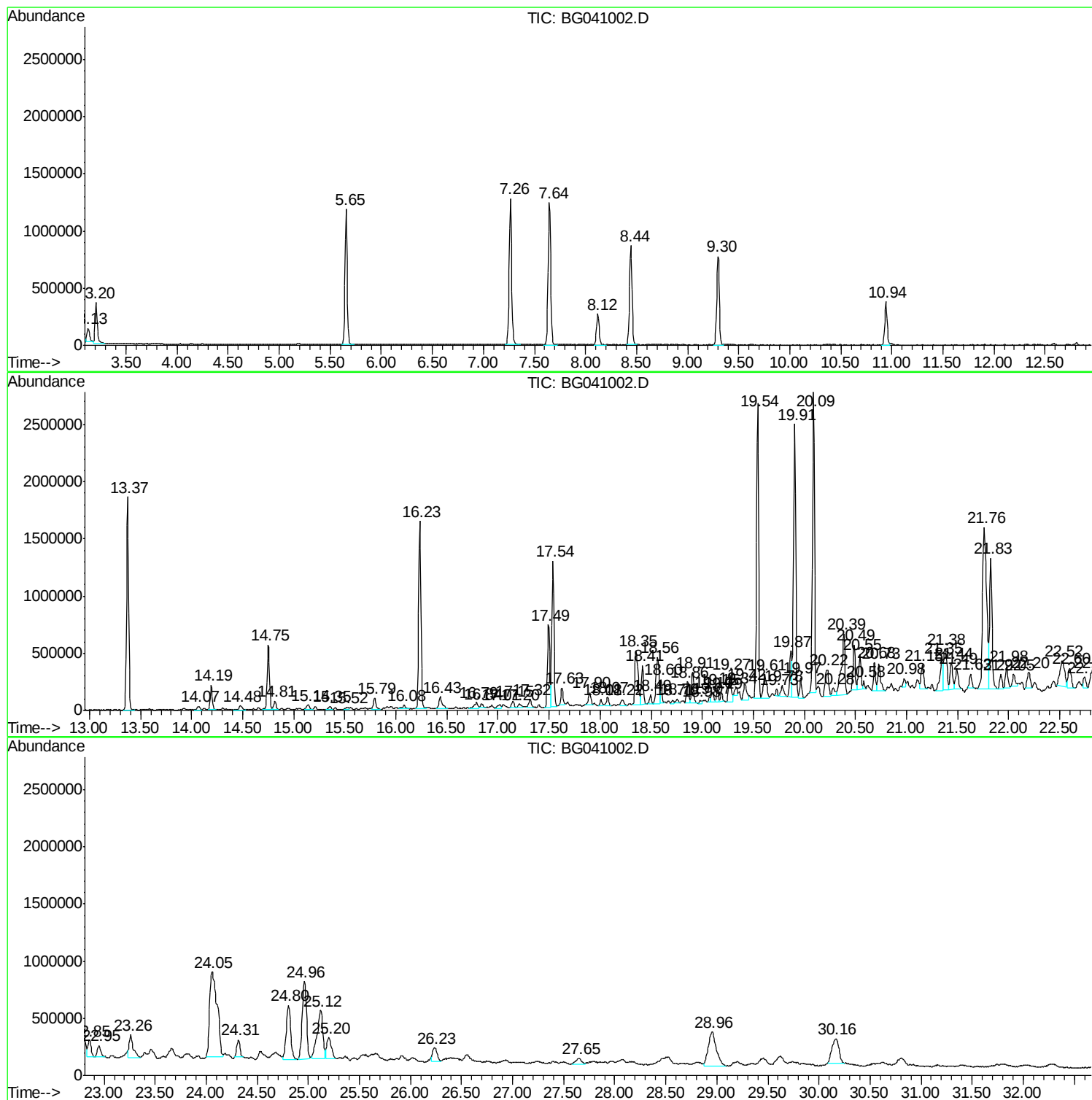
Sum of corrected areas: 69081286

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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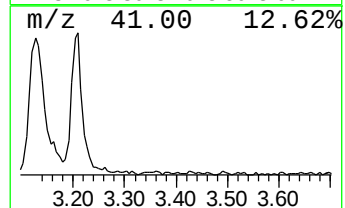
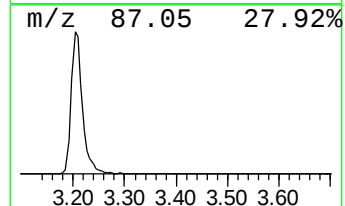
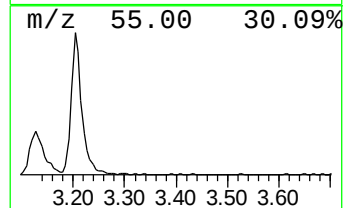
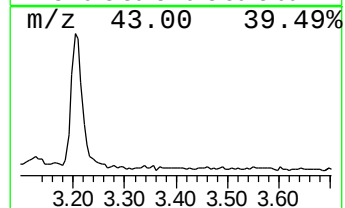
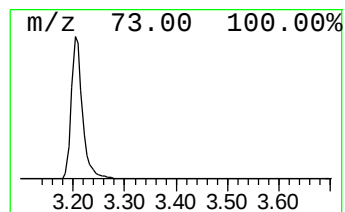
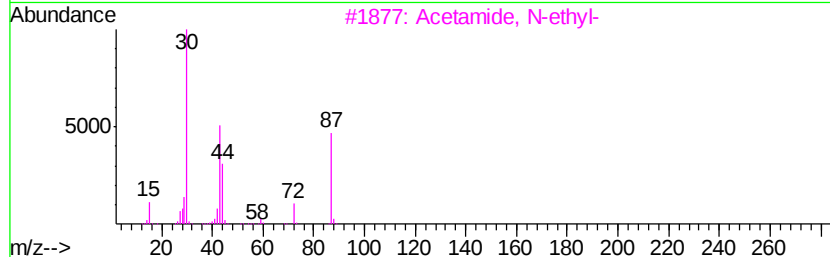
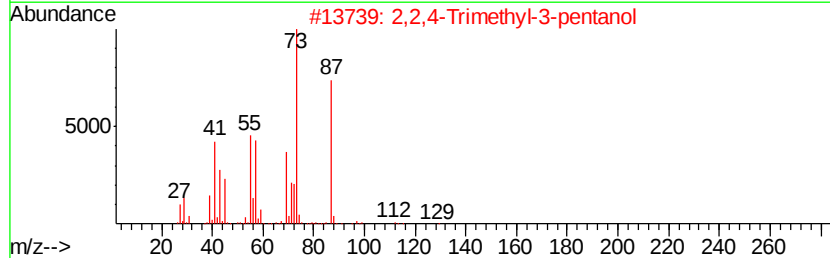
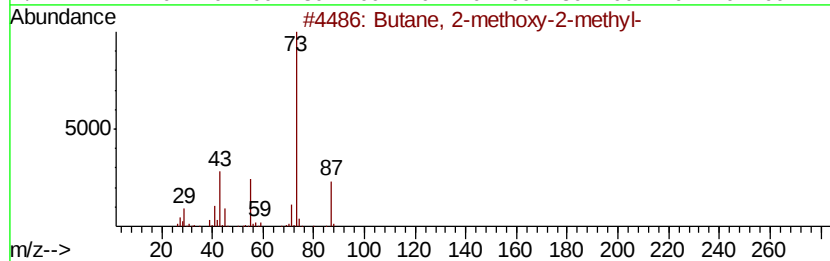
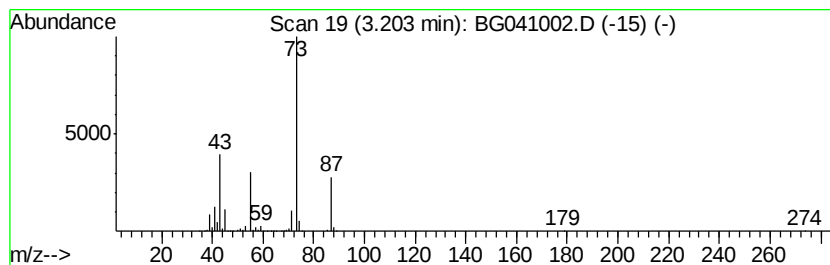
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	22.98 ng	545614	1,4-Dichlorobenzene-d4	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4		Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



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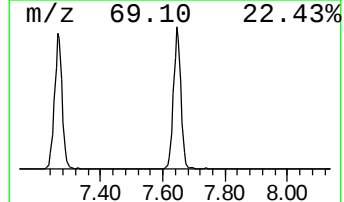
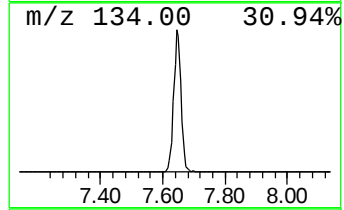
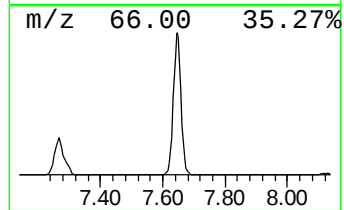
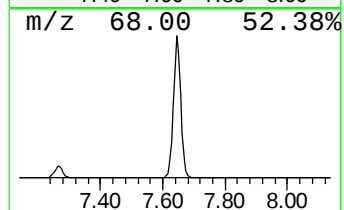
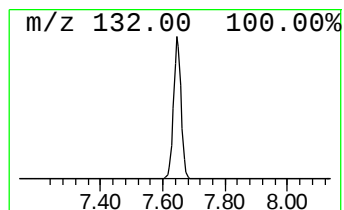
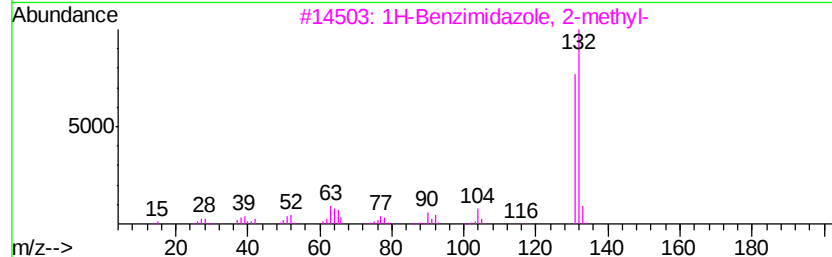
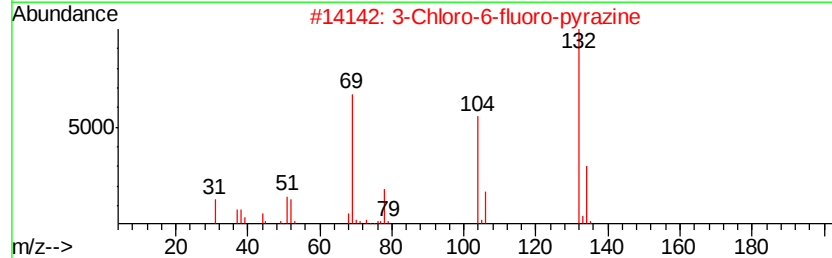
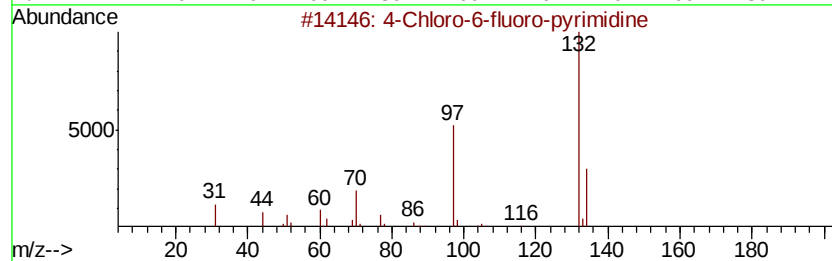
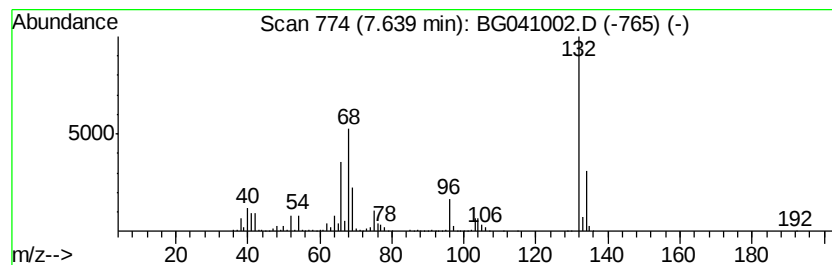
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	89.30 ng	2120140	1,4-Dichlorobenzene-d4	8.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Aminoindole	132	C8H8N2	005192-03-0	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



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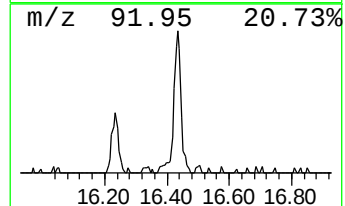
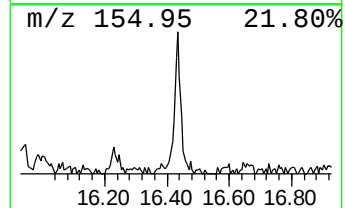
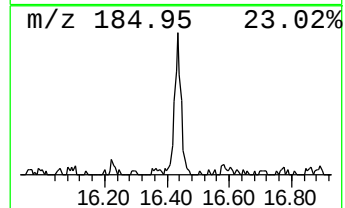
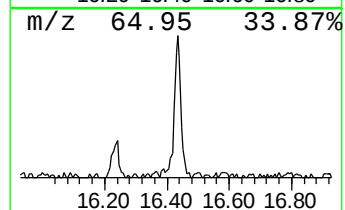
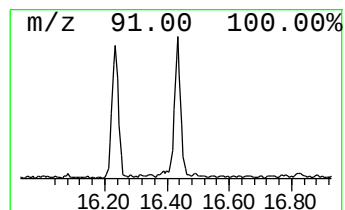
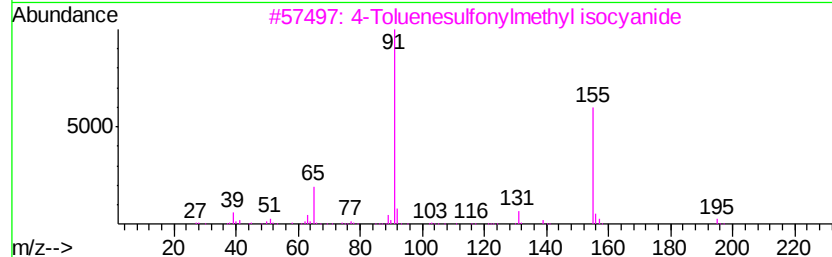
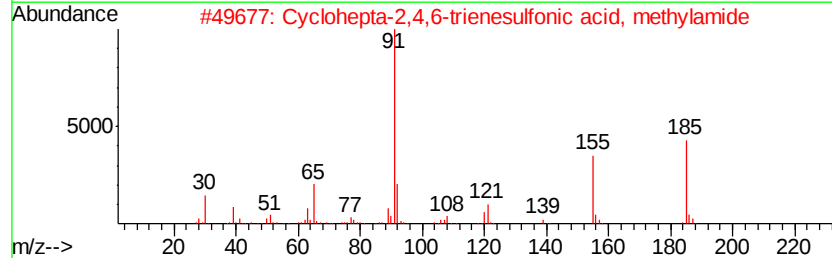
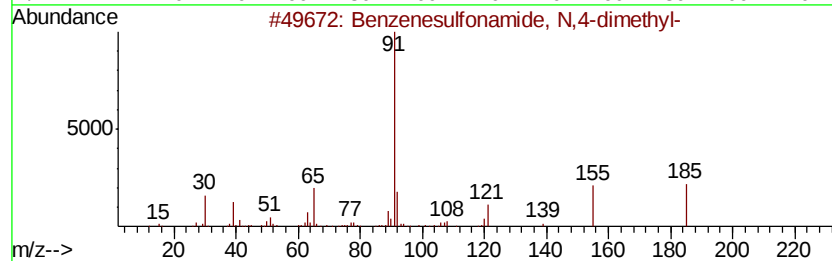
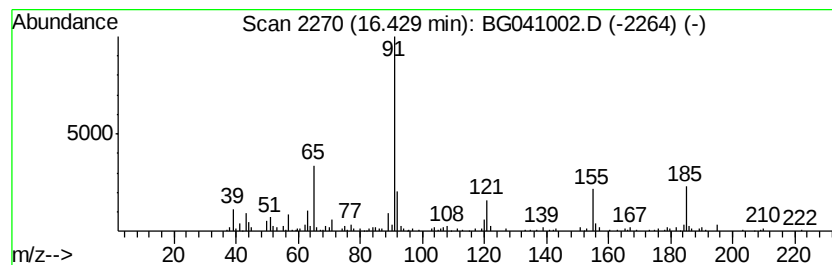
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzenesulfonamide, N,4-dim... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.43	3.86 ng	225566	Phenanthrene-d10	17.49		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzenesulfonamide, N,4-dimethyl-	185	C8H11NO2S	000640-61-9	93
2		Cyclohepta-2,4,6-trienesulfonic ...	185	C8H11NO2S	1000187-28-7	64
3		4-Toluenesulfonylmethyl isocvanide	195	C9H9NO2S	036635-61-7	55
4		Benzenesulfonyl chloride, 4-methyl-	190	C7H7ClO2S	000098-59-9	55
5		Benzenesulfonamide, N,4-dimethyl...	214	C8H10N2O3S	000080-11-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
 Data File : BG041002.D
 Acq On : 1 Jun 2019 7:55
 Operator : HP/JU
 Sample : K2966-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 FESB-18(2.5-3.0)

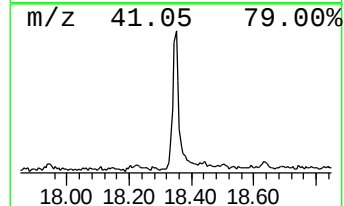
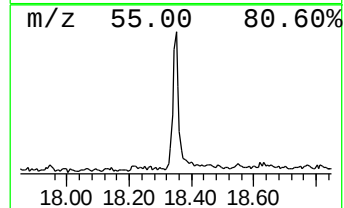
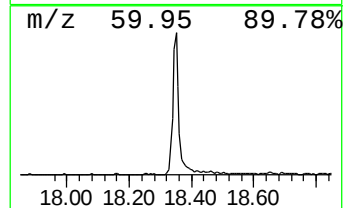
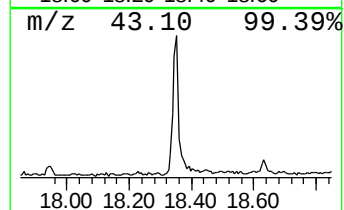
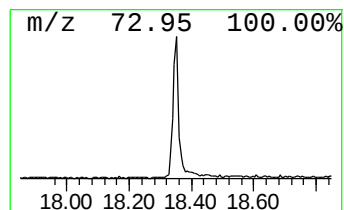
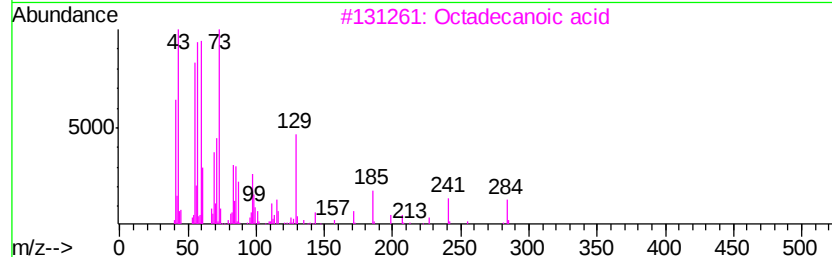
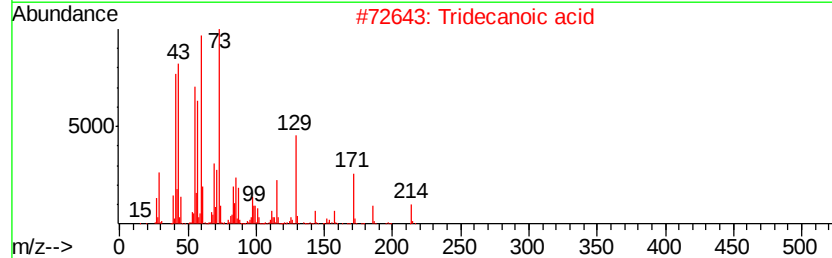
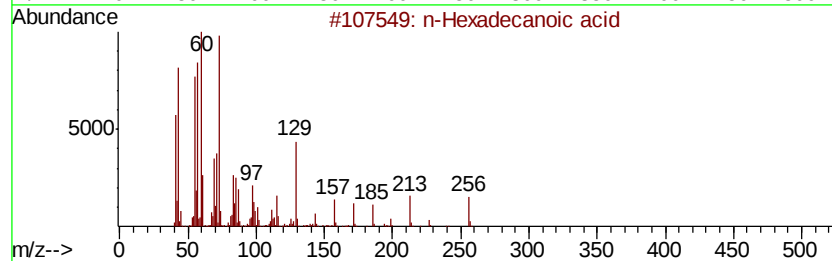
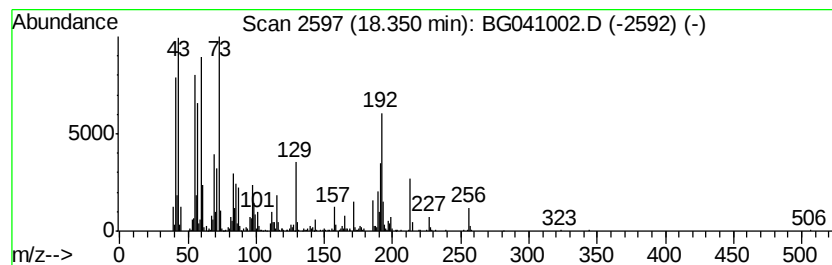
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	16.79 ng	981999	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	92
3		Octadecanoic acid	284	C18H36O2	000057-11-4	91
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
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Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

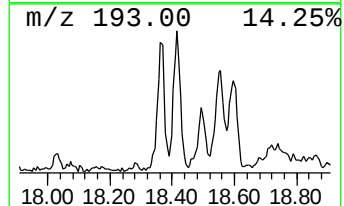
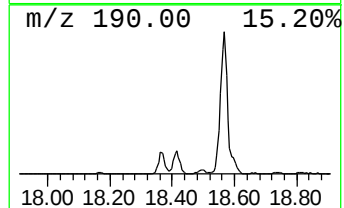
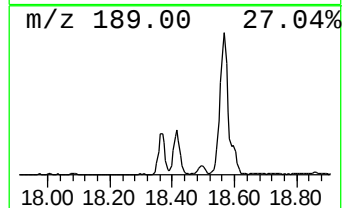
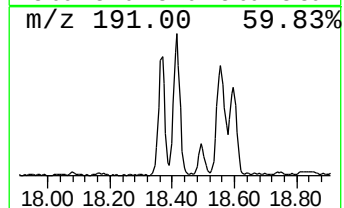
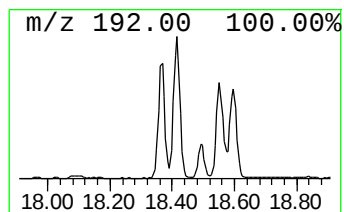
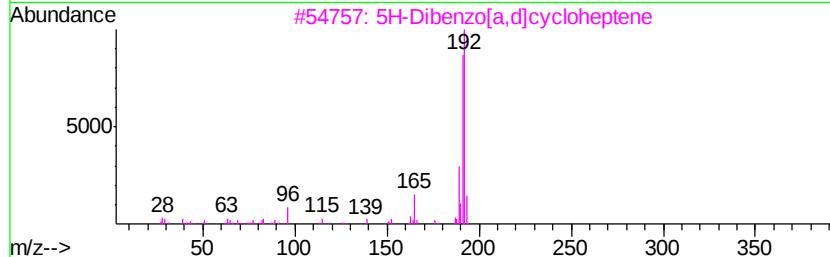
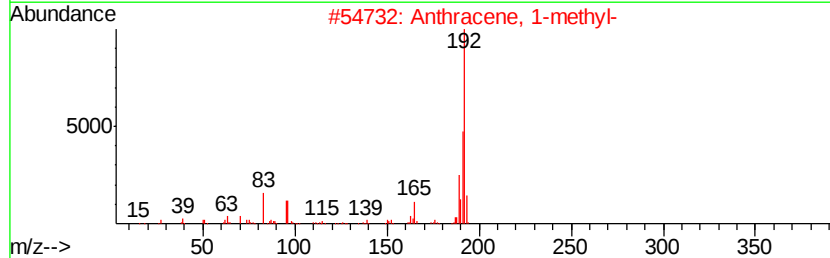
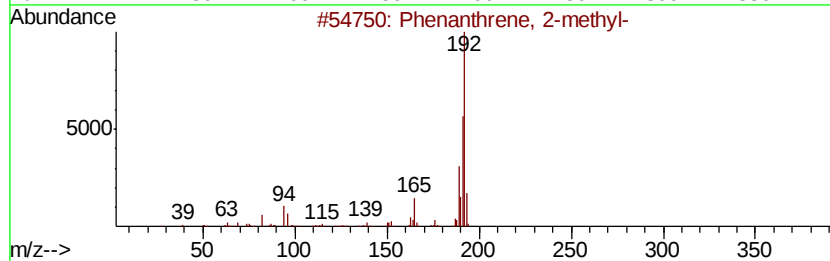
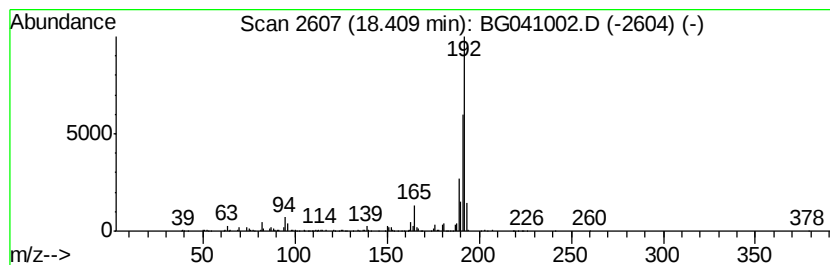
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.41	9.00 ng	526662	Phenanthrene-d10	17.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
Data File : BG041002.D
Acq On : 1 Jun 2019 7:55
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

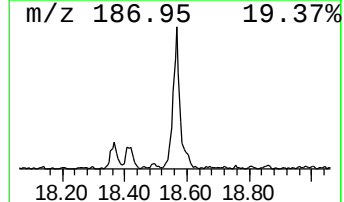
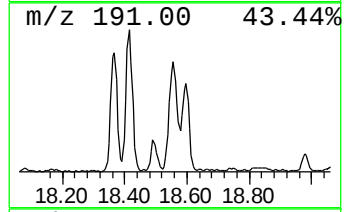
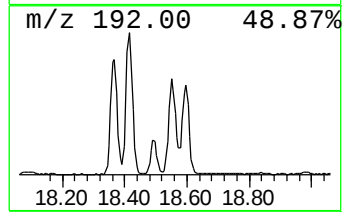
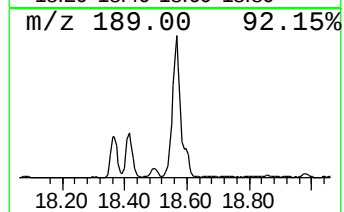
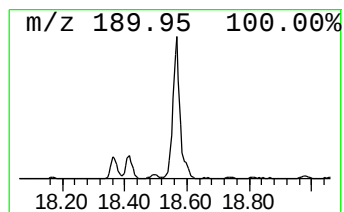
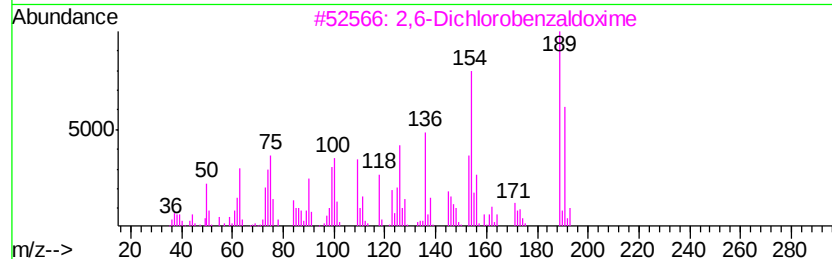
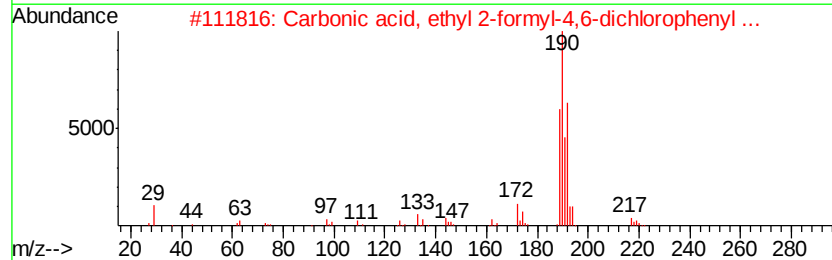
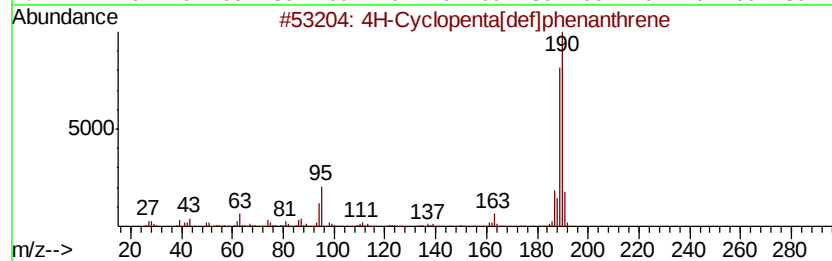
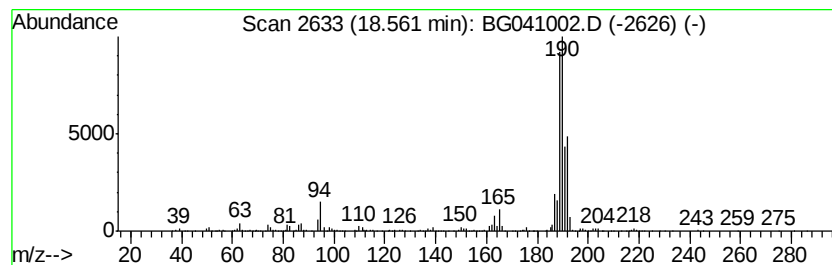
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.56	14.26 ng	834442	Phenanthrene-d10	17.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
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Acq On : 1 Jun 2019 7:55
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

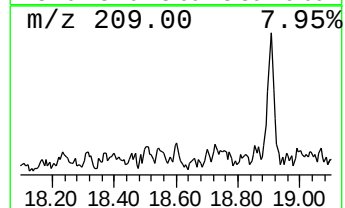
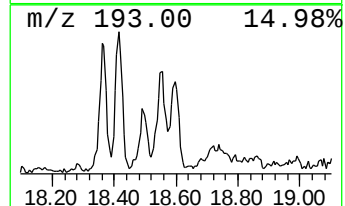
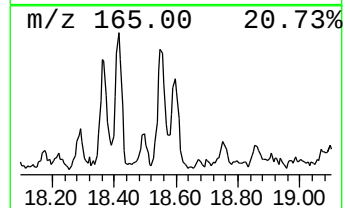
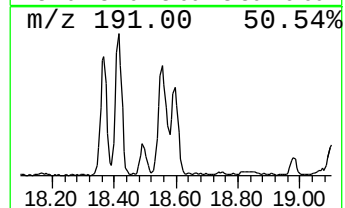
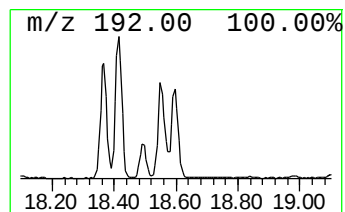
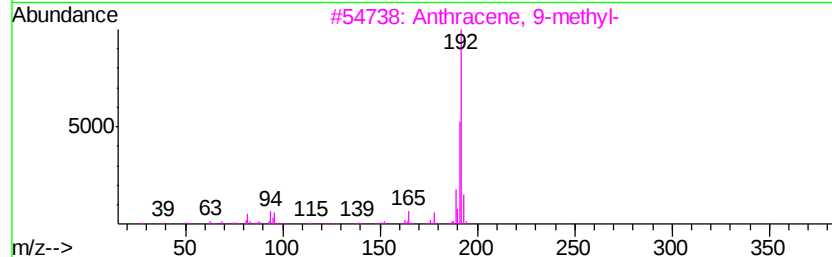
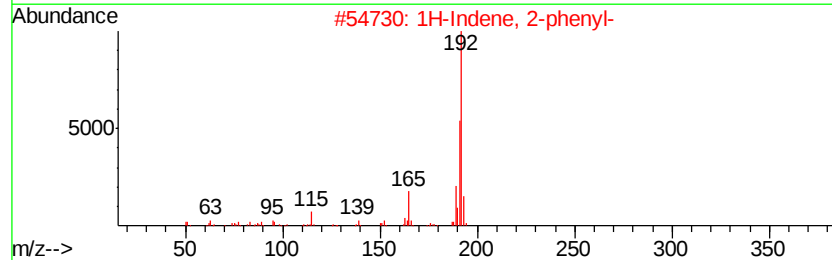
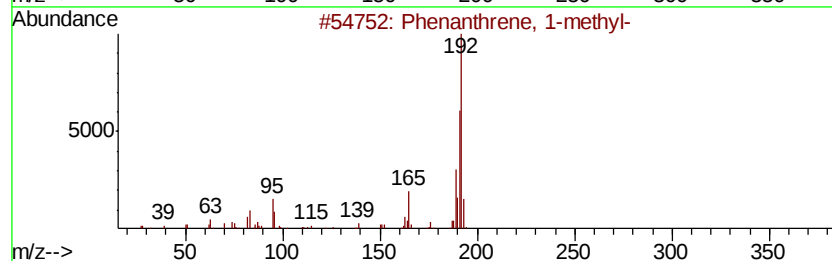
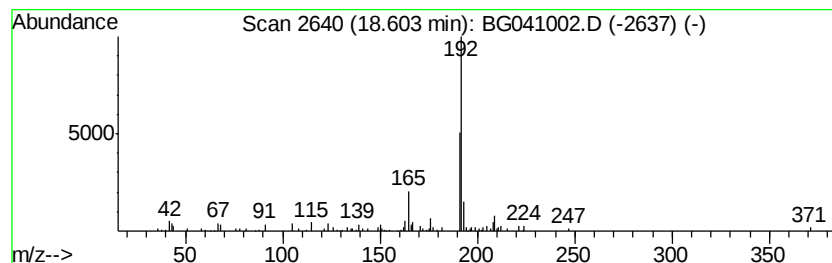
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.60	3.78 ng	221295	Phenanthrene-d10	17.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
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Acq On : 1 Jun 2019 7:55
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Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

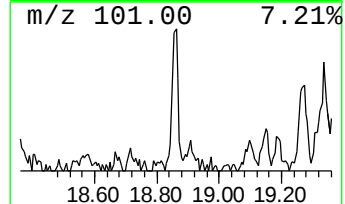
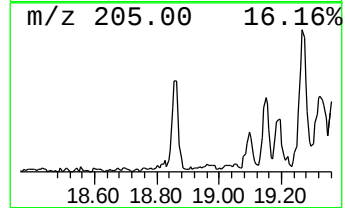
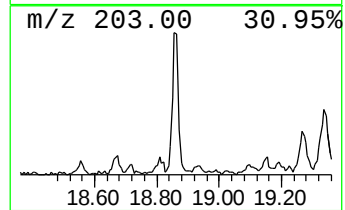
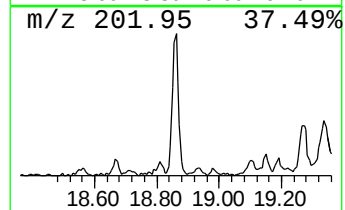
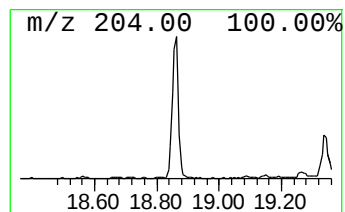
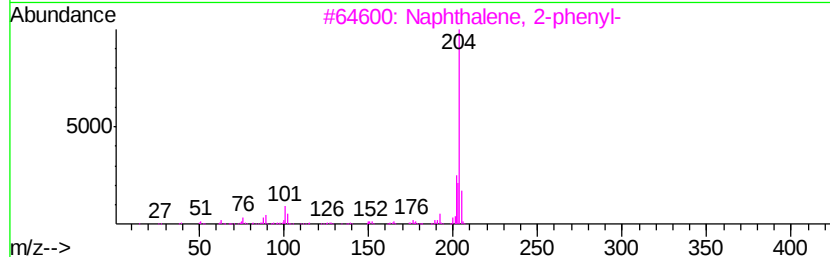
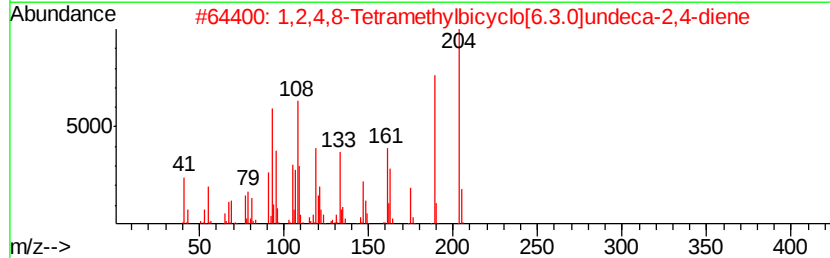
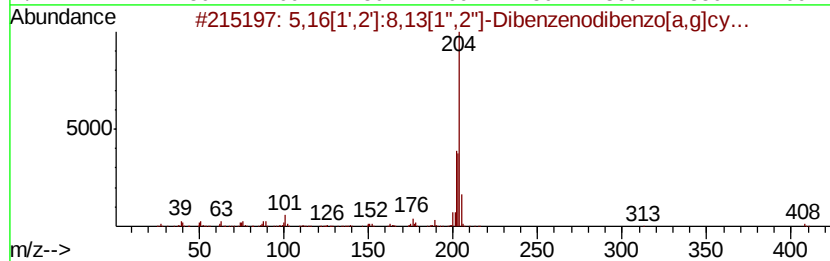
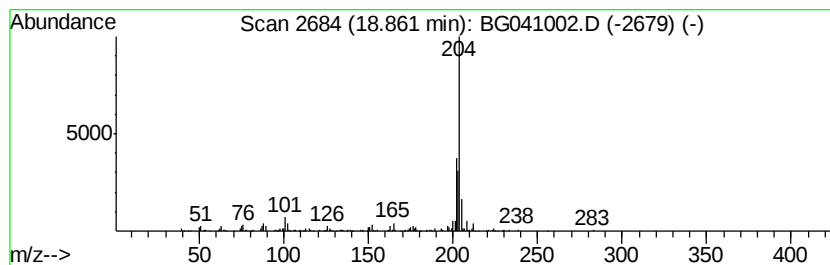
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.86	4.71 ng	275617	Phenanthrene-d10	17.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Levamisole	204	C11H12N2S	014769-73-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
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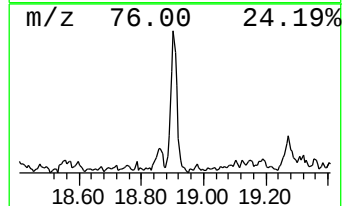
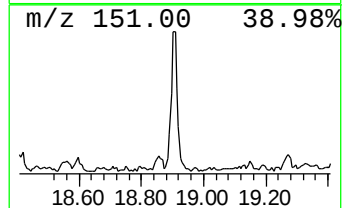
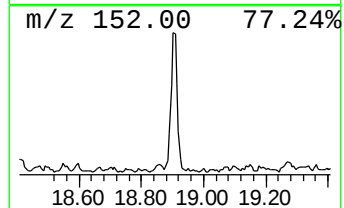
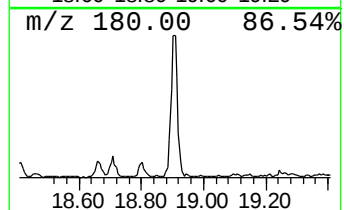
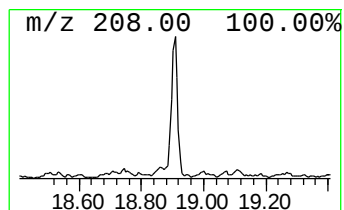
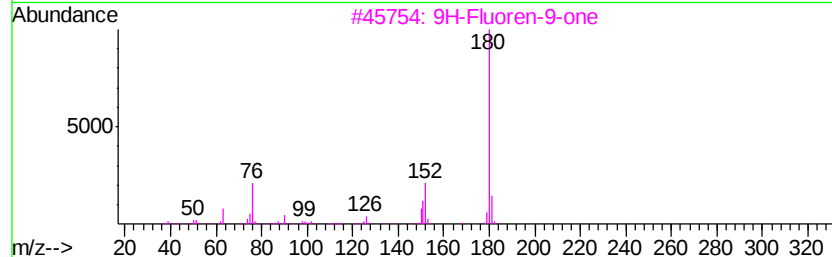
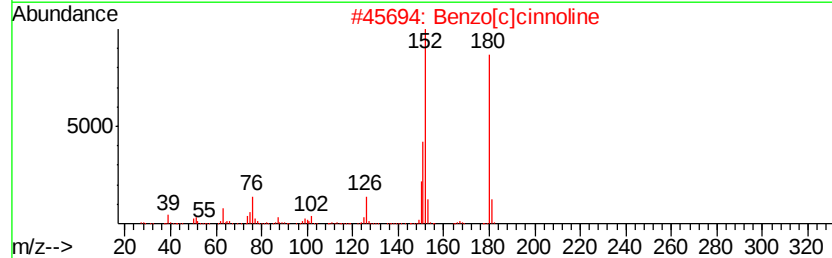
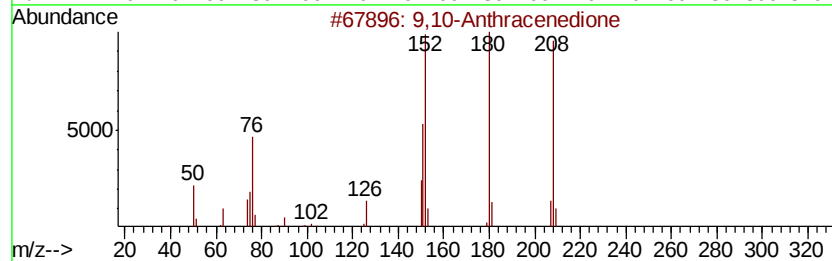
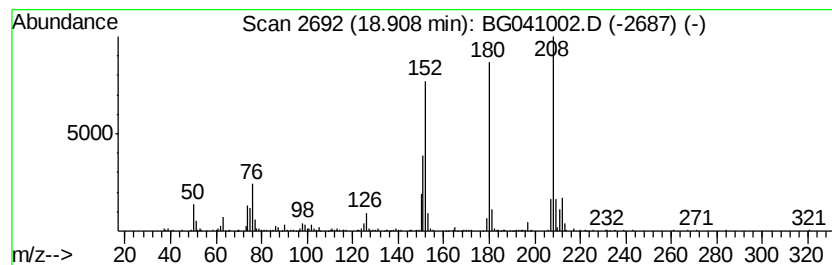
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	6.74 ng	394480	Phenanthrene-d10	17.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	59
4			5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	58
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

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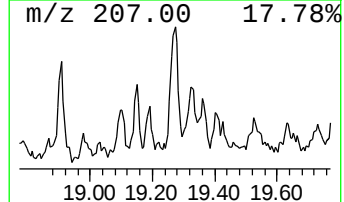
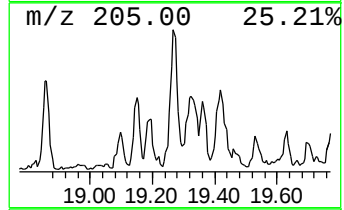
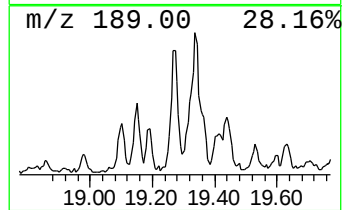
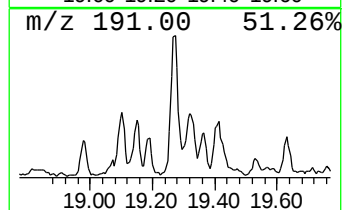
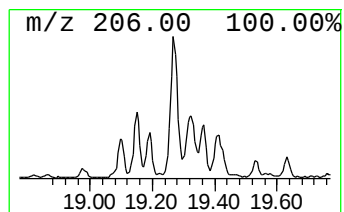
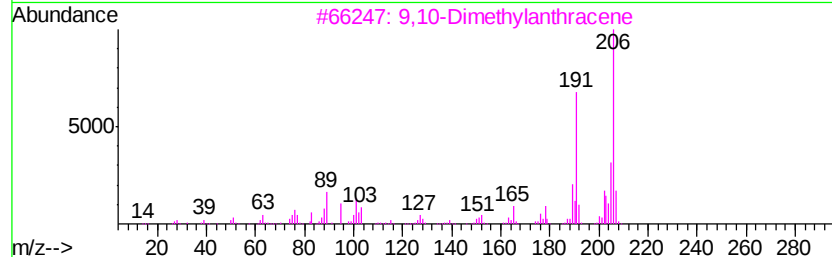
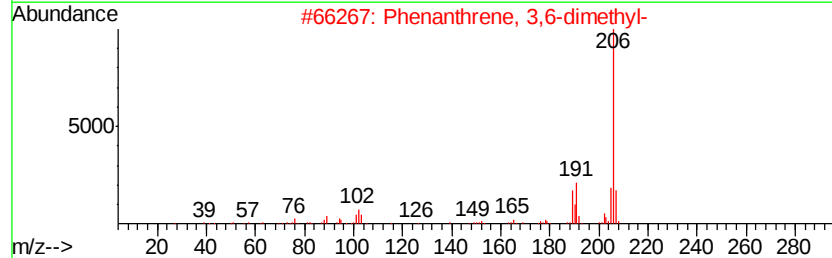
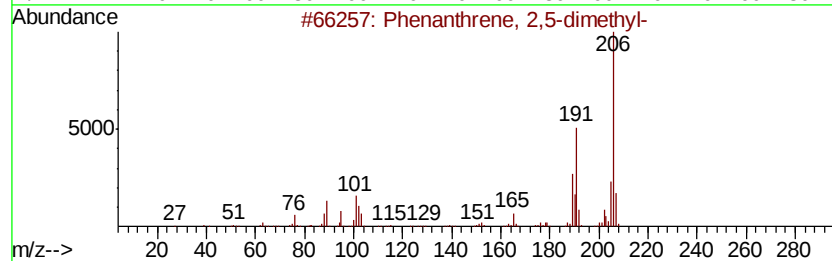
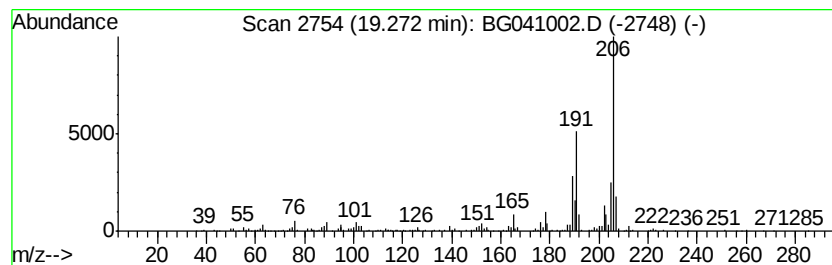
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	7.79 ng	455849	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
 Data File : BG041002.D
 Acq On : 1 Jun 2019 7:55
 Operator : HP/JU
 Sample : K2966-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

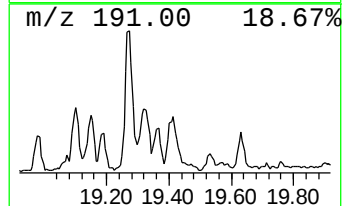
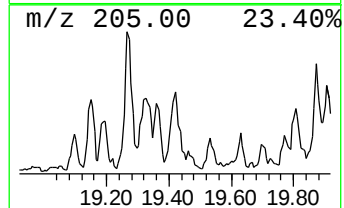
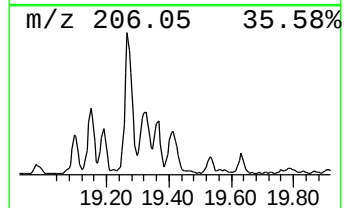
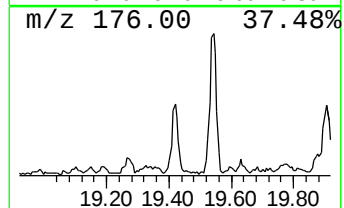
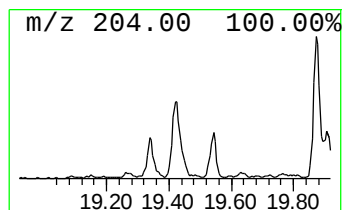
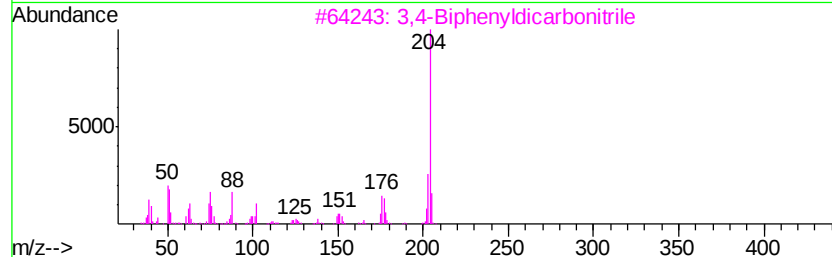
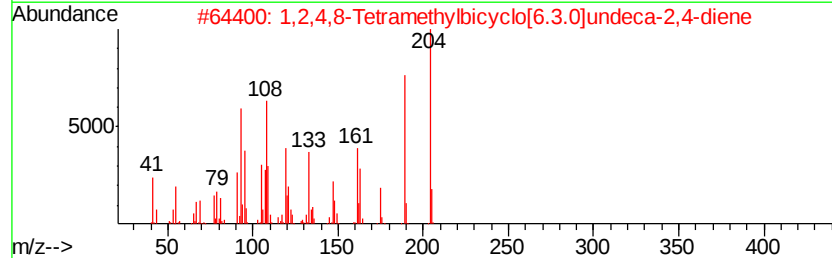
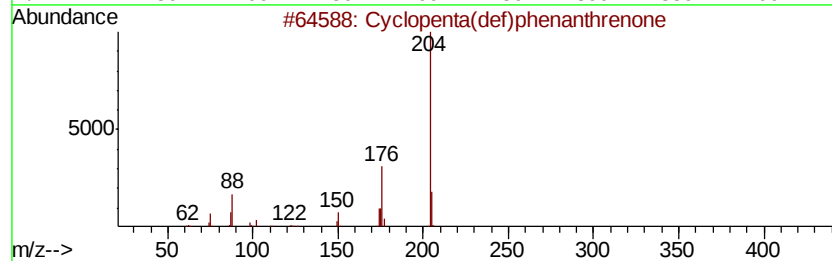
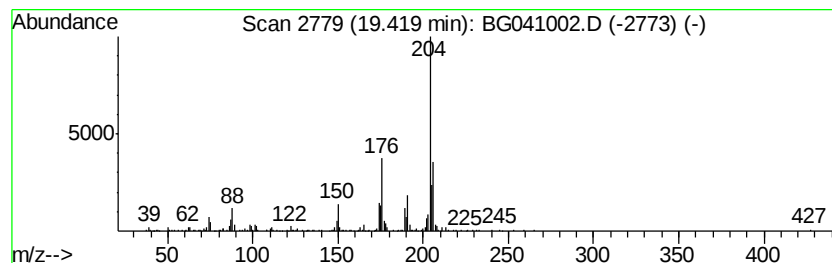
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	5.51 ng	322175	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	55
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
4		Carbostyryl, 3-ethyl-4-hydroxy-7...	219	C12H13NO3	022048-12-0	47
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
Data File : BG041002.D
Acq On : 1 Jun 2019 7:55
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FESB-18(2.5-3.0)

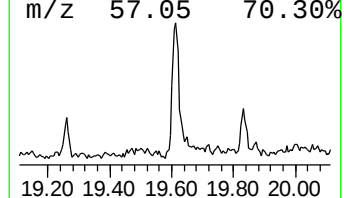
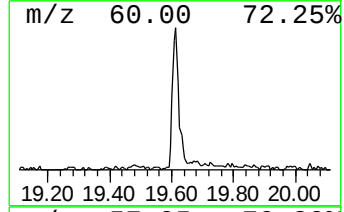
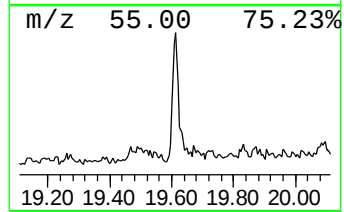
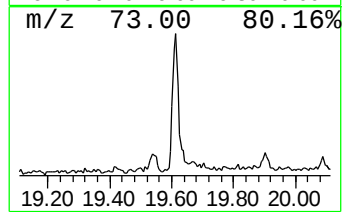
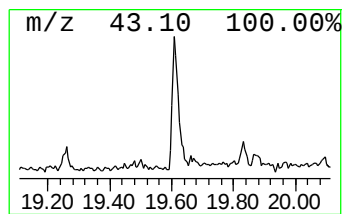
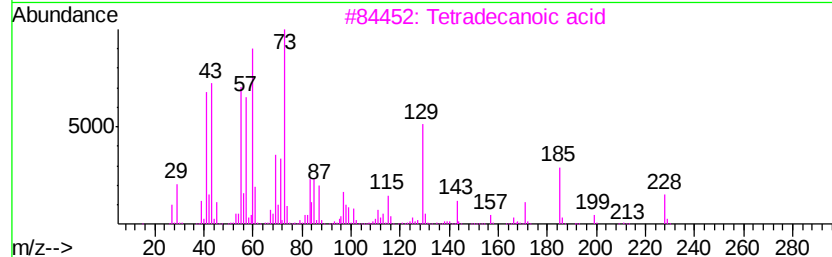
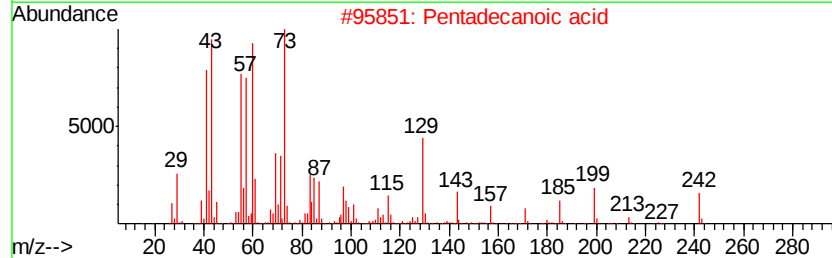
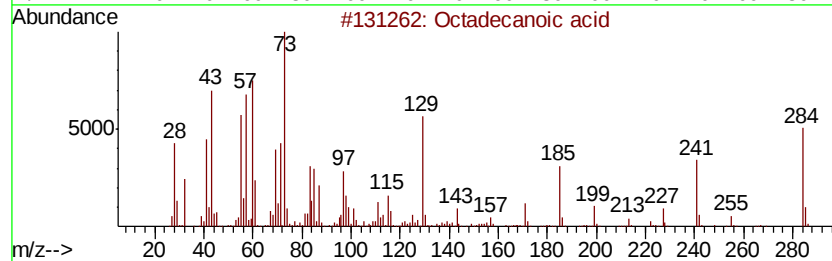
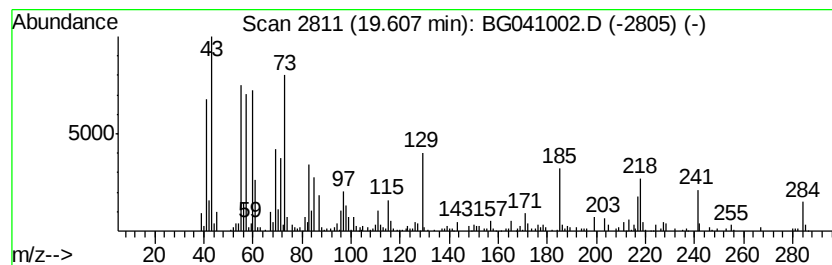
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	7.97 ng	466177	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	72
5		n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
Data File : BG041002.D
Acq On : 1 Jun 2019 7:55
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FESB-18(2.5-3.0)

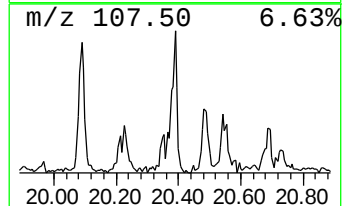
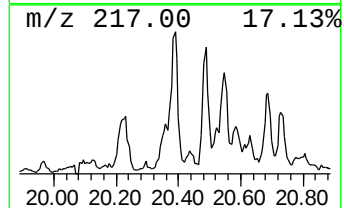
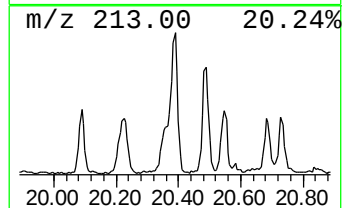
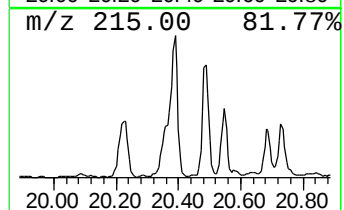
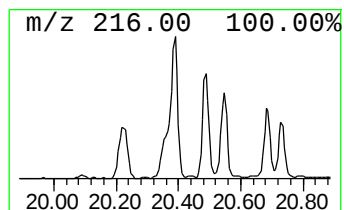
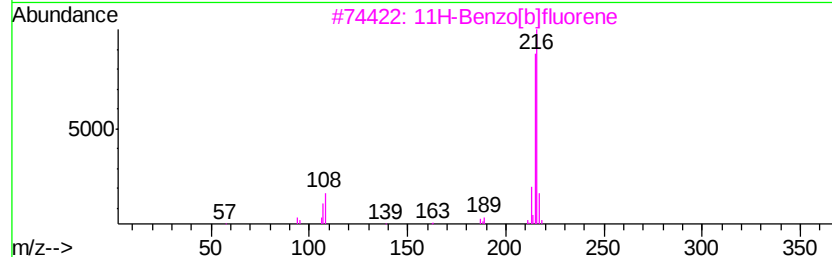
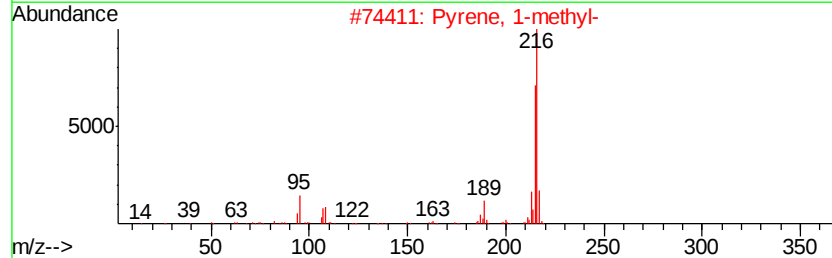
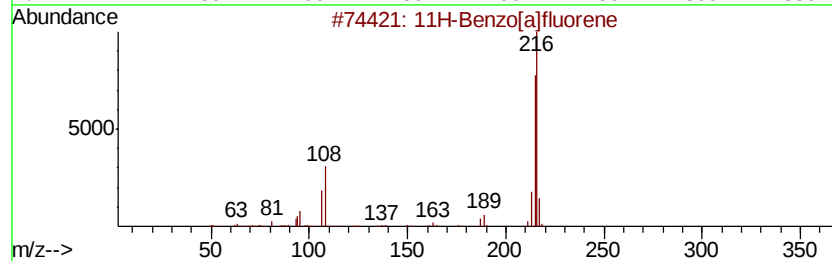
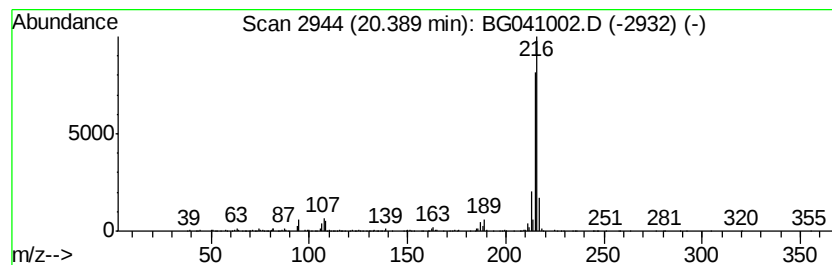
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	6.28 ng	1246850	Chrysene-d12	21.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
Data File : BG041002.D
Acq On : 1 Jun 2019 7:55
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FESB-18(2.5-3.0)

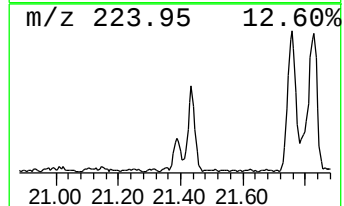
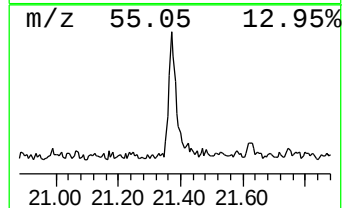
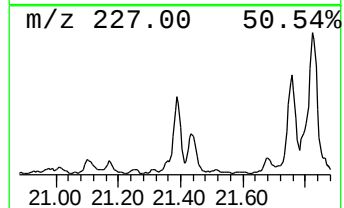
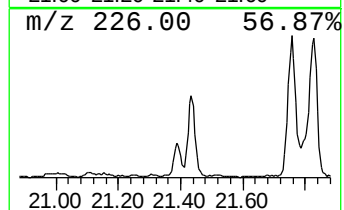
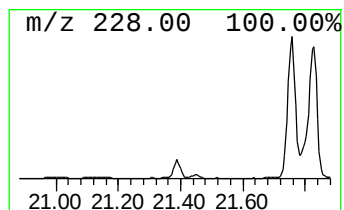
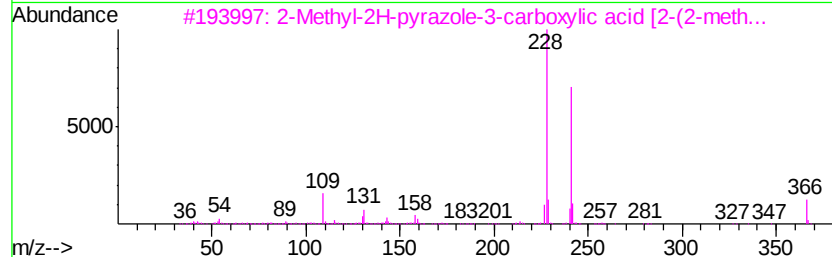
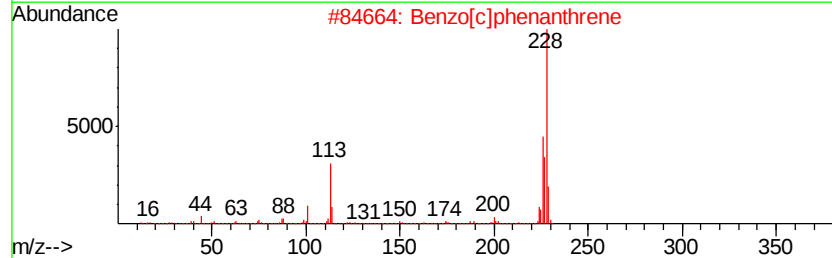
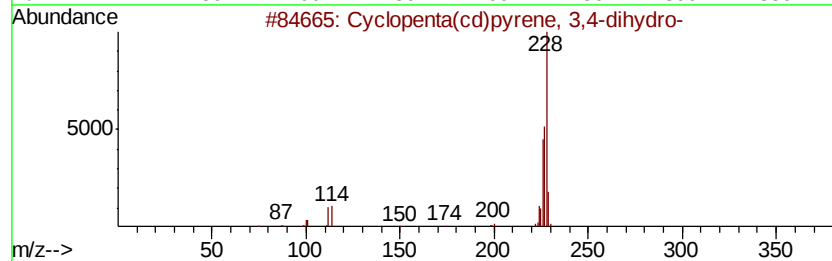
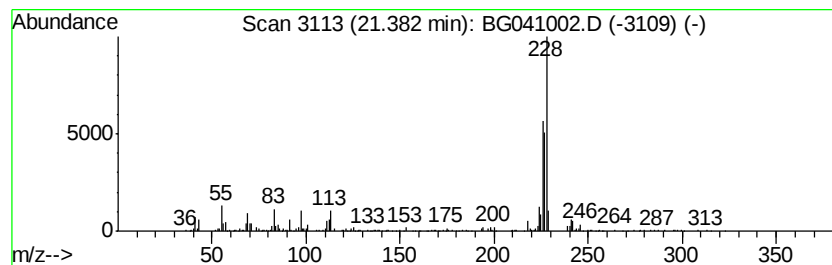
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown21.38 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	3.86 ng	766779	Chrysene-d12	21.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	35
2		Benzo[c]phenanthrene	228	C18H12	000195-19-7	35
3		2-Methyl-2H-pyrazole-3-carboxyli...	366	C17H17F3N4O2	1000275-57-3	22
4		Triphenylene	228	C18H12	000217-59-4	12
5		Chrysene	228	C18H12	000218-01-9	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
Data File : BG041002.D
Acq On : 1 Jun 2019 7:55
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

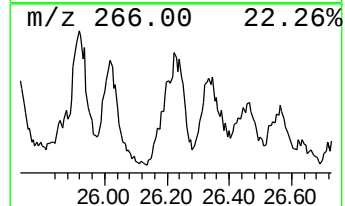
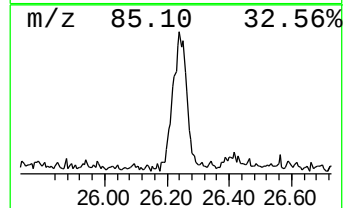
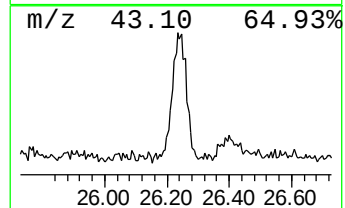
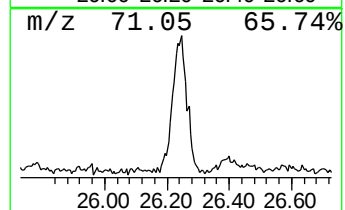
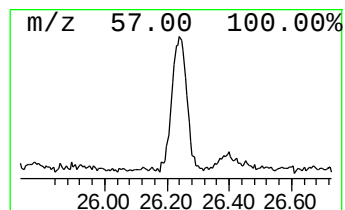
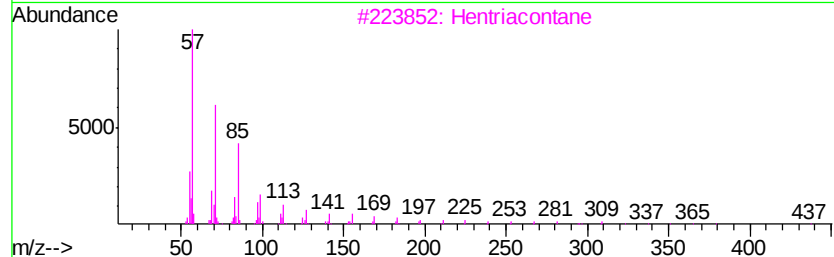
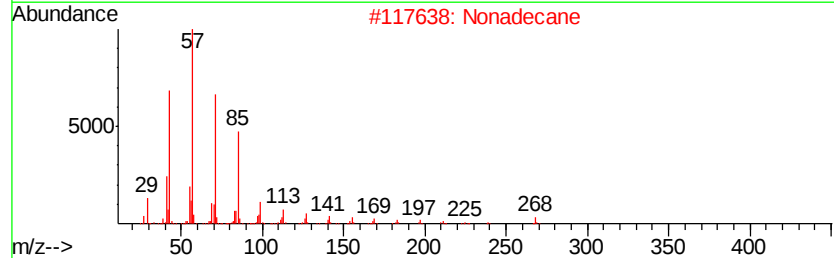
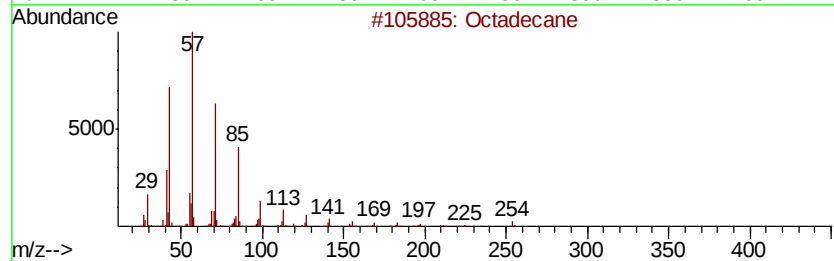
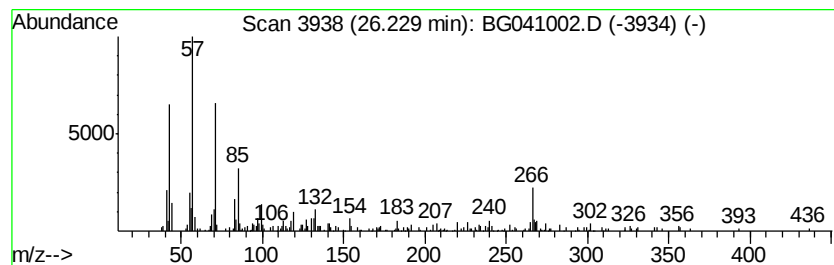
Instrument :
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ClientSampleId :
FESB-18(2.5-3.0)

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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 20 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
26.23	4.38 ng	361654	Perylene-d12		25.12
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Nonadecane	268	C19H40	000629-92-5	86
3	Hentriacontane	437	C31H64	000630-04-6	76
4	Heptadecane	240	C17H36	000629-78-7	76
5	Octacosane	394	C28H58	000630-02-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG053119\
 Data File : BG041002.D
 Acq On : 1 Jun 2019 7:55
 Operator : HP/JU
 Sample : K2966-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FESB-18(2.5-3.0)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.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
Butane, 2-methoxy...	3.20	23.0	ng	545614	1	8.12	474822	20.0
unknown7.64	7.64	89.3	ng	2120140	1	8.12	474822	20.0
Benzenesulfonamid...	16.43	3.9	ng	225566	4	17.49	1170040	20.0
n-Hexadecanoic acid	18.35	16.8	ng	981999	4	17.49	1170040	20.0
Phenanthrene, 2-m...	18.41	9.0	ng	526662	4	17.49	1170040	20.0
4H-Cyclopenta[def...	18.56	14.3	ng	834442	4	17.49	1170040	20.0
Phenanthrene, 1-m...	18.60	3.8	ng	221295	4	17.49	1170040	20.0
5,16[1',2']:8,13[...	18.86	4.7	ng	275617	4	17.49	1170040	20.0
9,10-Anthracenedione	18.91	6.7	ng	394480	4	17.49	1170040	20.0
Phenanthrene, 2,5...	19.27	7.8	ng	455849	4	17.49	1170040	20.0
Cyclopenta(def)ph...	19.42	5.5	ng	322175	4	17.49	1170040	20.0
Octadecanoic acid	19.61	8.0	ng	466177	4	17.49	1170040	20.0
11H-Benzo[a]fluorene	20.39	6.3	ng	1246850	5	21.78	3970090	20.0
unknown21.38	21.38	3.9	ng	766779	5	21.78	3970090	20.0
Octadecane	26.23	4.4	ng	361654	6	25.12	1651960	20.0