

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
 Data File : BG041166.D
 Acq On : 10 Jun 2019 17:00
 Operator : HP/JU
 Sample : K3250-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHIMNEY-1

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	3.625	86	91	106	rVB	201777	320745	5.95%	0.515%
2	3.754	108	113	127	rBV	76950	154504	2.87%	0.248%
3	5.640	428	434	444	rBV	425847	713375	13.23%	1.146%
4	7.250	700	708	722	rBV	478015	844532	15.66%	1.357%
5	7.632	764	773	778	rBV	460273	800586	14.85%	1.286%
6	7.679	778	781	789	rVB	102983	163414	3.03%	0.263%
7	8.102	846	853	861	rBV	203470	361620	6.71%	0.581%
8	8.431	902	909	916	rBV	371259	643926	11.94%	1.034%
9	9.283	1044	1054	1063	rBV	297890	549756	10.20%	0.883%
10	10.206	1188	1211	1213	rBV4	76704	283309	5.25%	0.455%
11	10.928	1326	1334	1340	rBV	282335	516330	9.58%	0.829%
12	11.727	1460	1470	1478	rVB3	173273	450027	8.35%	0.723%
13	12.291	1561	1566	1571	rBV	109201	156660	2.91%	0.252%
14	12.697	1629	1635	1647	rBV	426140	895243	16.60%	1.438%
15	13.008	1682	1688	1694	rBV2	115464	212003	3.93%	0.341%
16	13.079	1694	1700	1710	rVB6	86015	216087	4.01%	0.347%
17	13.190	1712	1719	1722	rBV5	53144	114612	2.13%	0.184%
18	13.355	1739	1747	1757	rVB	725145	1210100	22.44%	1.944%
19	13.519	1770	1775	1780	rVB	276684	382323	7.09%	0.614%
20	13.784	1811	1820	1826	rBV6	131991	331921	6.16%	0.533%
21	13.907	1834	1841	1847	rVB6	86512	231134	4.29%	0.371%
22	14.054	1860	1866	1870	rBV4	90130	171690	3.18%	0.276%
23	14.101	1870	1874	1877	rVV3	74562	141711	2.63%	0.228%
24	14.136	1877	1880	1883	rVV3	123492	208022	3.86%	0.334%
25	14.183	1883	1888	1900	rVV3	312354	766154	14.21%	1.231%
26	14.289	1903	1906	1910	rVV3	95198	148760	2.76%	0.239%
27	14.359	1913	1918	1925	rVB8	102025	241447	4.48%	0.388%
28	14.459	1930	1935	1942	rBV2	245192	412158	7.64%	0.662%
29	14.536	1943	1948	1952	rBV2	64408	122479	2.27%	0.197%
30	14.589	1952	1957	1961	rBV	496849	607518	11.27%	0.976%
31	14.736	1978	1982	1987	rBV2	338640	487342	9.04%	0.783%
32	14.947	2011	2018	2023	rBV5	101426	209686	3.89%	0.337%
33	15.035	2028	2033	2038	rVV7	97681	215415	3.99%	0.346%
34	15.088	2038	2042	2045	rVV3	131178	223273	4.14%	0.359%

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35	15.135	2045	2050	2056	rVV4	318573	599282	11.11%	0.963%
36	15.200	2058	2061	2068	rVV4	154500	252941	4.69%	0.406%
37	15.270	2070	2073	2078	rVB2	77787	114252	2.12%	0.184%
38	15.341	2080	2085	2090	rVB7	138335	222602	4.13%	0.358%
39	15.535	2113	2118	2124	rVB	643407	905266	16.79%	1.454%
40	15.817	2164	2166	2174	rVB5	85176	136244	2.53%	0.219%
41	15.940	2181	2187	2191	rBV2	198835	381501	7.07%	0.613%
42	16.028	2199	2202	2208	rVB2	206517	296384	5.50%	0.476%
43	16.157	2221	2224	2230	rVB6	84697	119586	2.22%	0.192%
44	16.222	2230	2235	2241	rBV	604644	937958	17.39%	1.507%
45	16.398	2260	2265	2273	rBV	561557	1081862	20.06%	1.738%
46	16.580	2293	2296	2304	rVB	172105	291256	5.40%	0.468%
47	16.862	2338	2344	2348	rBV	927443	1499540	27.81%	2.409%
48	16.904	2348	2351	2358	rVB3	121375	190223	3.53%	0.306%
49	17.133	2385	2390	2394	rBV2	168187	289333	5.37%	0.465%
50	17.191	2396	2400	2404	rVV	404303	493827	9.16%	0.793%
51	17.238	2405	2408	2411	rVV	112765	127357	2.36%	0.205%
52	17.485	2444	2450	2454	rBV	533357	883041	16.38%	1.419%
53	17.520	2454	2456	2461	rVB	186939	243448	4.51%	0.391%
54	17.614	2469	2472	2478	rVB2	195678	276119	5.12%	0.444%
55	17.797	2501	2503	2507	rVB3	101808	112093	2.08%	0.180%
56	17.867	2511	2515	2521	rVB	265267	389497	7.22%	0.626%
57	17.926	2522	2525	2530	rBV	325785	384727	7.13%	0.618%
58	18.108	2553	2556	2560	rVB4	90457	119334	2.21%	0.192%
59	18.161	2561	2565	2570	rBV	183991	282154	5.23%	0.453%
60	18.231	2574	2577	2582	rVB5	159323	249484	4.63%	0.401%
61	18.367	2592	2600	2605	rBV	2972335	5392246	100.00%	8.662%
62	18.455	2611	2615	2621	rVB	641125	990322	18.37%	1.591%
63	18.543	2626	2630	2635	rVB3	205679	328982	6.10%	0.528%
64	18.619	2639	2643	2647	rVB	292344	333131	6.18%	0.535%
65	18.666	2648	2651	2655	rBV5	72649	115516	2.14%	0.186%
66	18.737	2659	2663	2667	rBV4	143945	230956	4.28%	0.371%
67	18.901	2686	2691	2699	rVB3	391504	731525	13.57%	1.175%
68	19.001	2705	2708	2712	rBV6	126738	161721	3.00%	0.260%
69	19.248	2746	2750	2752	rBV	362025	503252	9.33%	0.808%
70	19.301	2753	2759	2764	rVB	1537342	2590695	48.04%	4.162%
71	19.377	2767	2772	2779	rBV	568179	980387	18.18%	1.575%

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72	19.495	2788	2792	2804	rBV2	947939	1634734	30.32%	2.626%
73	19.612	2807	2812	2826	rVB2	1722454	2722472	50.49%	4.373%
74	19.818	2844	2847	2851	rVB2	228917	243049	4.51%	0.390%
75	19.959	2867	2871	2878	rVB	325836	468249	8.68%	0.752%
76	20.076	2887	2891	2901	rVB	1279418	1701623	31.56%	2.733%
77	20.294	2925	2928	2932	rVB2	231054	300585	5.57%	0.483%
78	20.347	2933	2937	2942	rVB	437874	541783	10.05%	0.870%
79	20.676	2990	2993	2997	rBV3	249749	378116	7.01%	0.607%
80	20.840	3018	3021	3025	rVB3	220806	251533	4.66%	0.404%
81	21.351	3104	3108	3112	rVB	483076	581447	10.78%	0.934%
82	21.528	3135	3138	3143	rVB3	192128	249799	4.63%	0.401%
83	21.763	3173	3178	3185	rVB3	622569	1109671	20.58%	1.783%
84	22.039	3221	3225	3231	rBV	260032	434697	8.06%	0.698%
85	22.520	3303	3307	3317	rVB	573369	958761	17.78%	1.540%
86	22.732	3338	3343	3350	rVB	382709	696700	12.92%	1.119%
87	23.067	3392	3400	3409	rVB3	528740	1459116	27.06%	2.344%
88	23.461	3459	3467	3489	rBV3	557420	1844698	34.21%	2.963%
89	23.731	3508	3513	3520	rVB2	209501	434061	8.05%	0.697%
90	24.054	3562	3568	3579	rVB3	451086	1047820	19.43%	1.683%
91	24.330	3607	3615	3626	rBV2	346462	1131179	20.98%	1.817%
92	24.512	3640	3646	3650	rBV5	177510	429112	7.96%	0.689%
93	24.671	3666	3673	3684	rVV2	394408	1083414	20.09%	1.740%
94	24.783	3684	3692	3704	rVB4	306843	1023613	18.98%	1.644%
95	24.941	3714	3719	3728	rVB2	147108	382881	7.10%	0.615%
96	25.100	3740	3746	3760	rVB3	336277	1043049	19.34%	1.676%
97	26.193	3926	3932	3944	rVB3	105902	317802	5.89%	0.511%
98	26.557	3988	3994	3996	rBV3	112328	217686	4.04%	0.350%
99	27.321	4115	4124	4140	rVB5	406529	1612141	29.90%	2.590%
100	28.743	4354	4366	4380	rBV6	260390	1205539	22.36%	1.937%

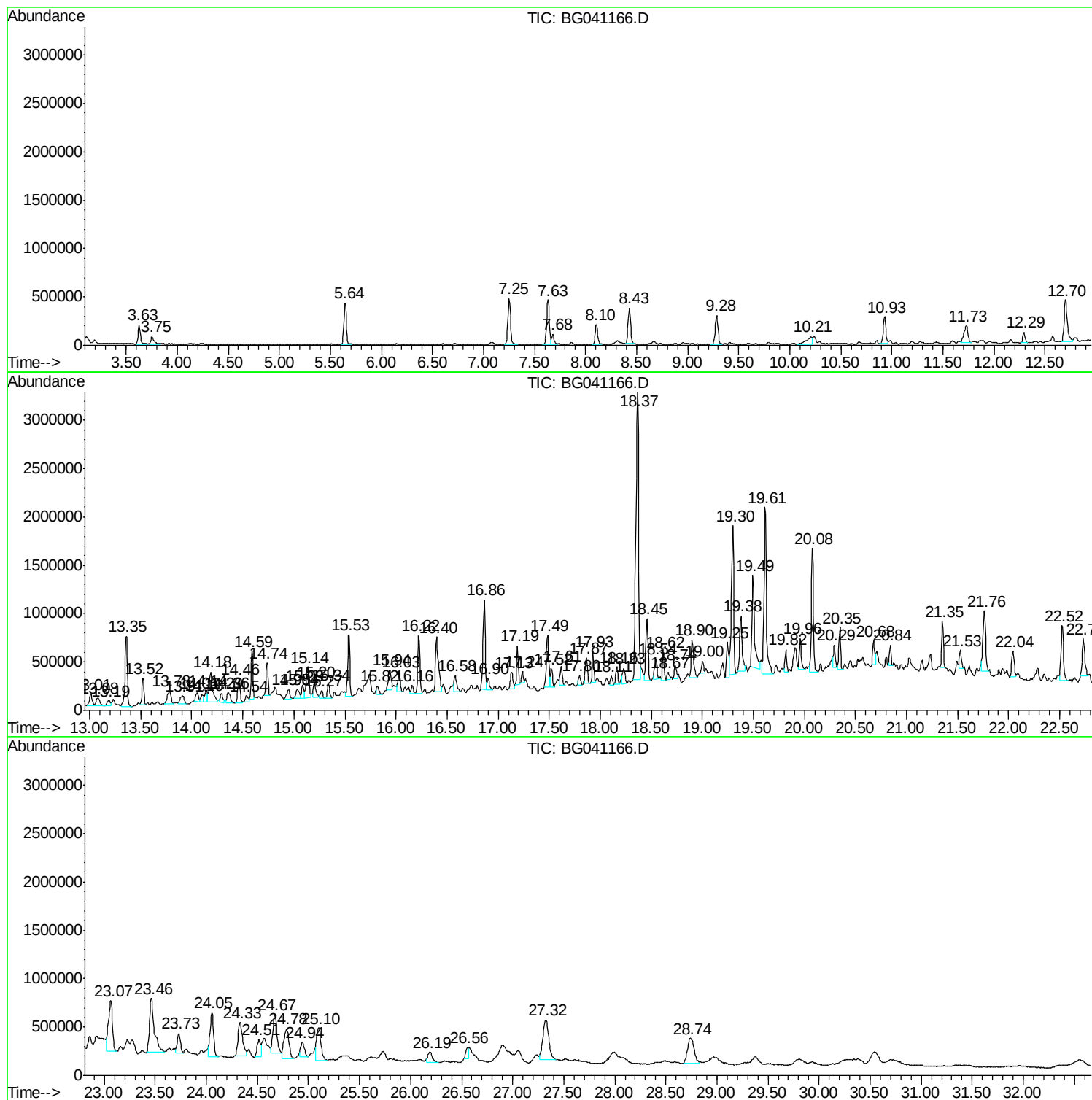
Sum of corrected areas: 62251236

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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



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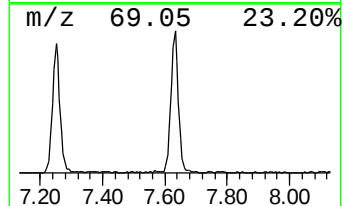
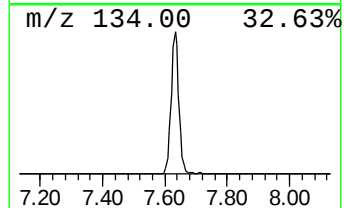
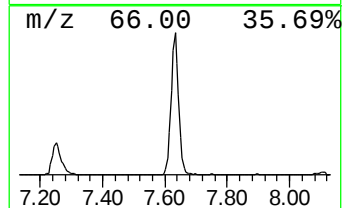
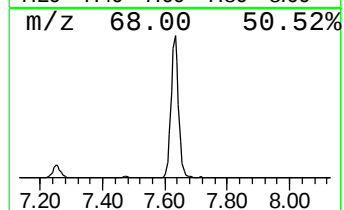
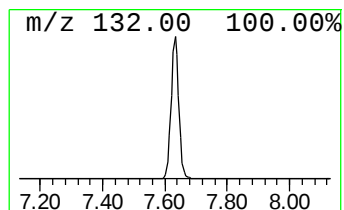
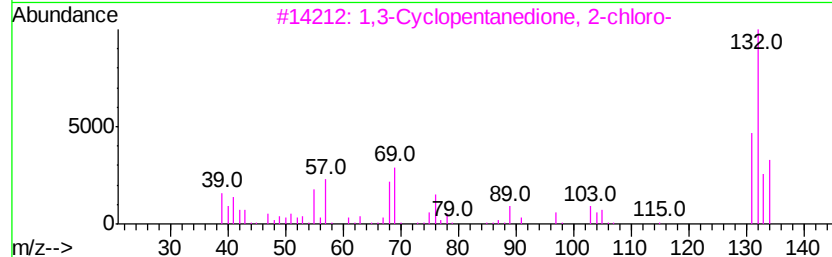
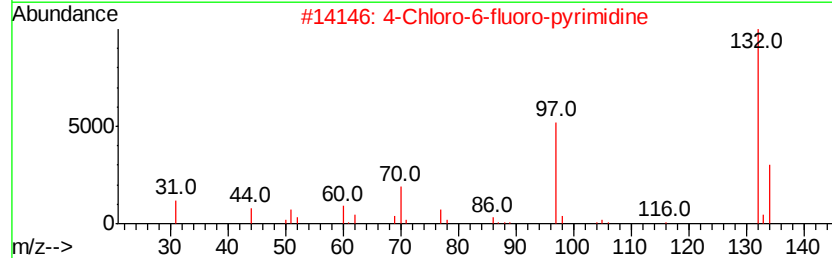
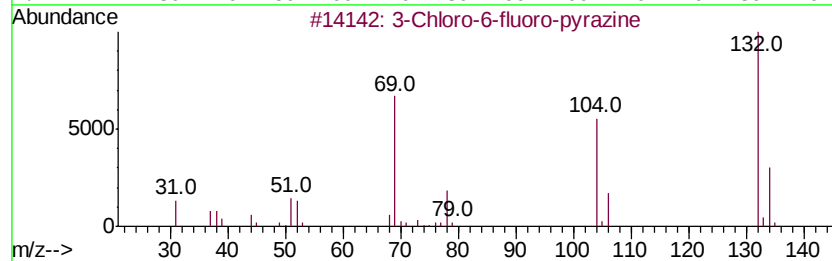
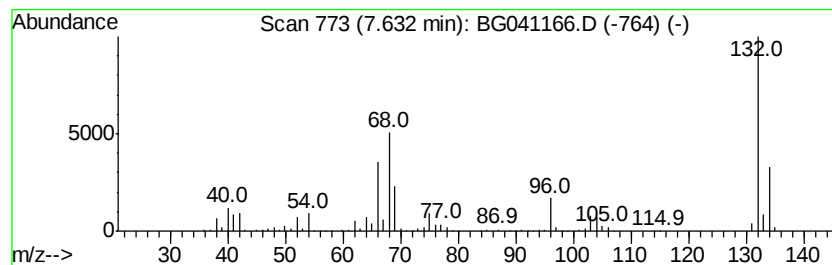
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.63 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	44.28 ng	800586	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	22
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22



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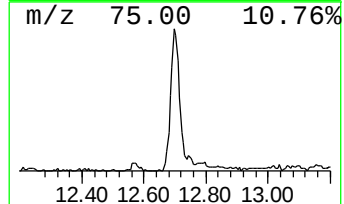
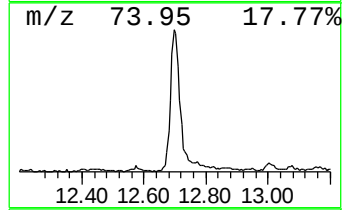
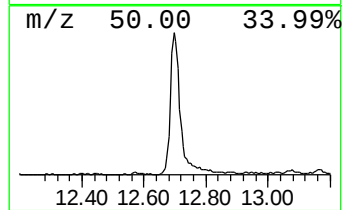
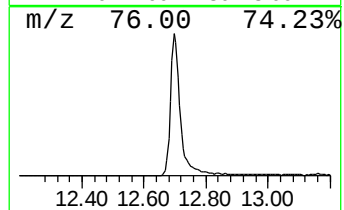
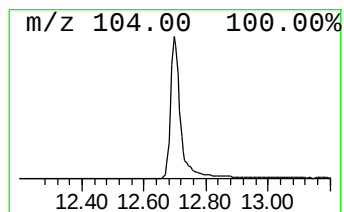
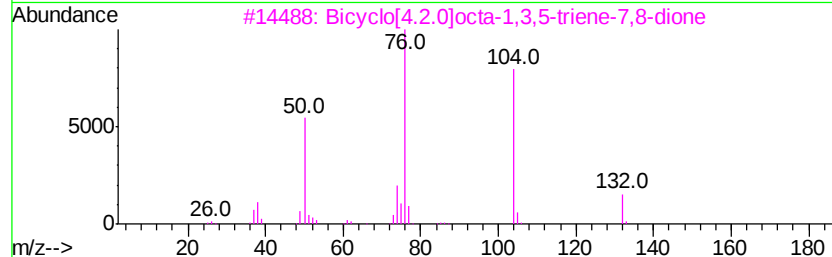
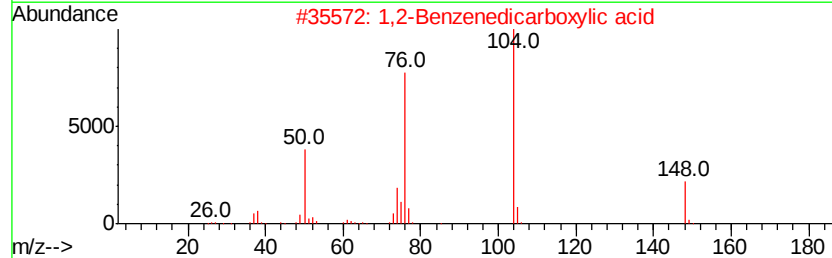
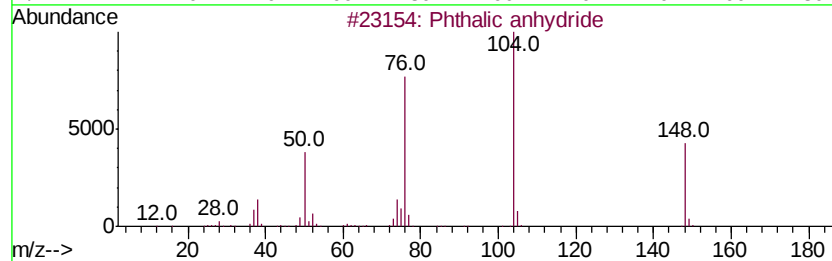
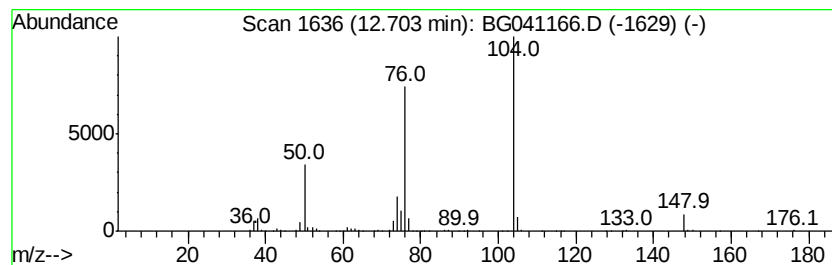
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Peak Number 3 Phthalic anhydride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	34.68 ng	895243	Naphthalene-d8	10.93
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Phthalic anhydride	148 C8H4O3	000085-44-9	94
2	1,2-Benzenedicarboxylic acid	166 C8H6O4	000088-99-3	90
3	Bicyclo[4.2.0]octa-1,3,5-triene...	132 C8H4O2	006383-11-5	78
4	1H-Isoindole-1,3(2H)-dione, 2-(2...	201 C11H7NO3	004616-63-1	74
5	Phthalamic acid	165 C8H7NO3	000088-97-1	74



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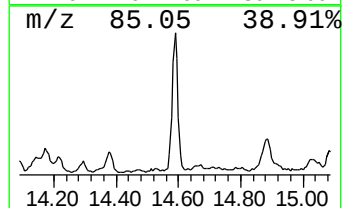
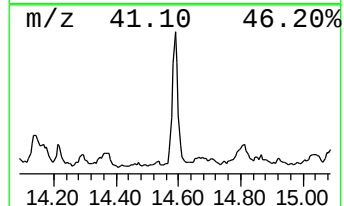
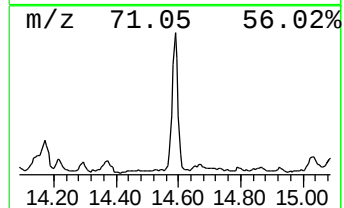
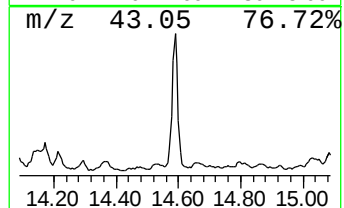
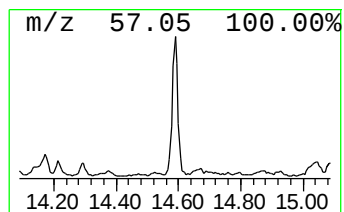
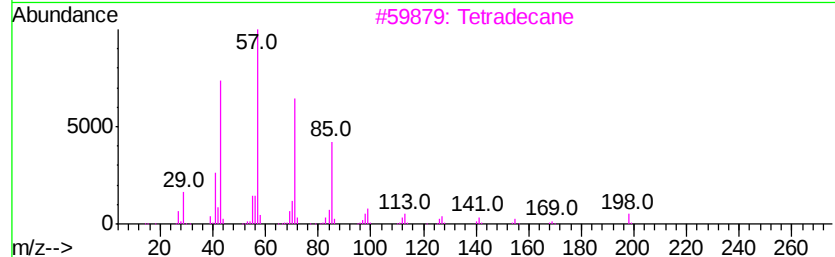
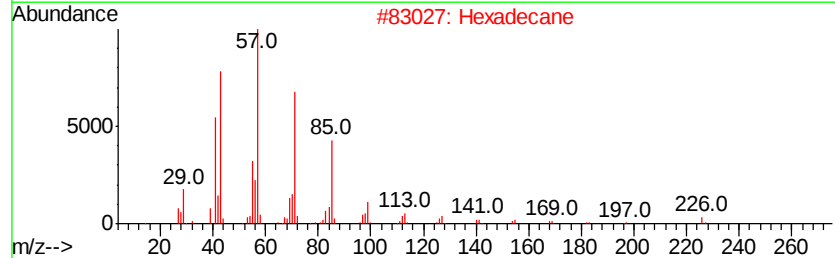
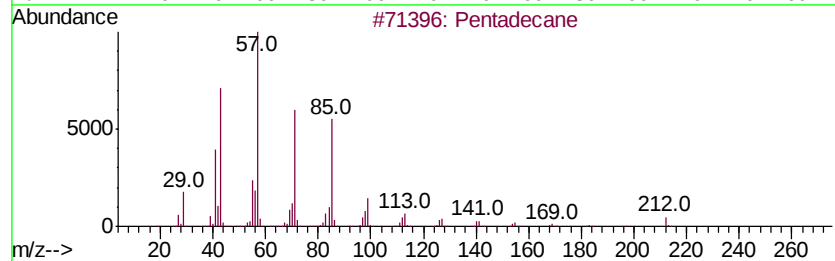
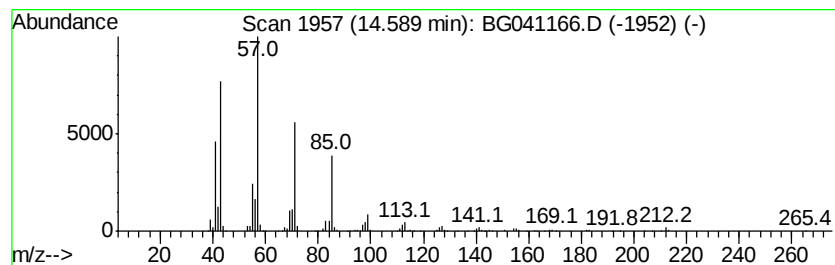
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TIC Library : C:\Database\NIST11.L
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Peak Number 4 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	24.93 ng	607518	Acenaphthene-d10	14.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	93
2	Hexadecane		226	C16H34	000544-76-3	91
3	Tetradecane		198	C14H30	000629-59-4	86
4	Heptadecane		240	C17H36	000629-78-7	86
5	Tridecane		184	C13H28	000629-50-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
Operator : HP/JU
Sample : K3250-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

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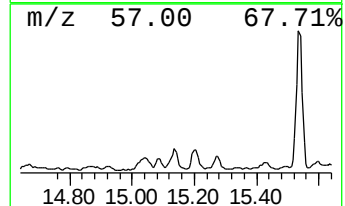
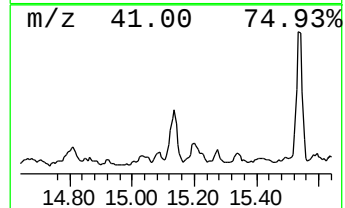
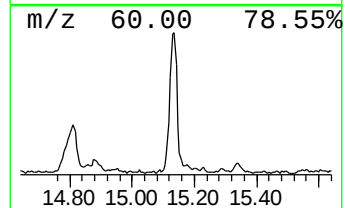
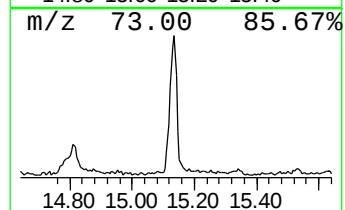
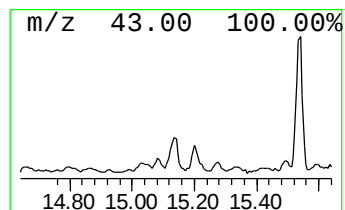
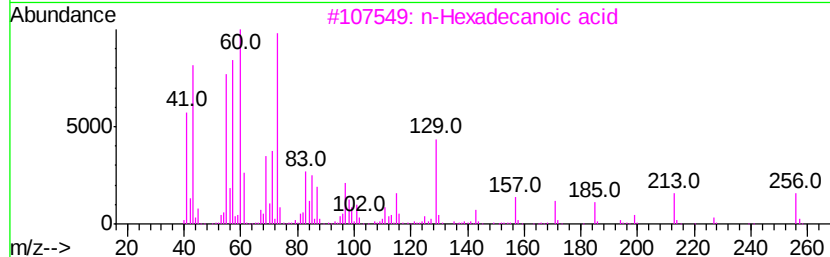
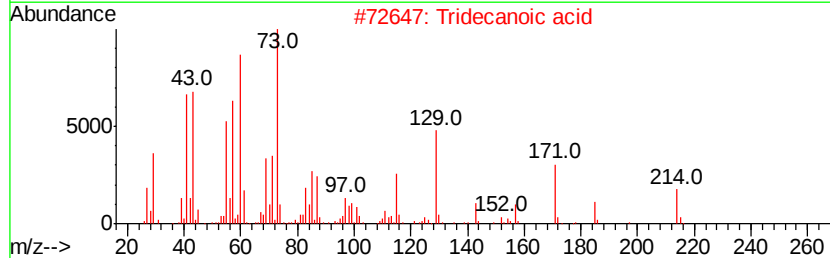
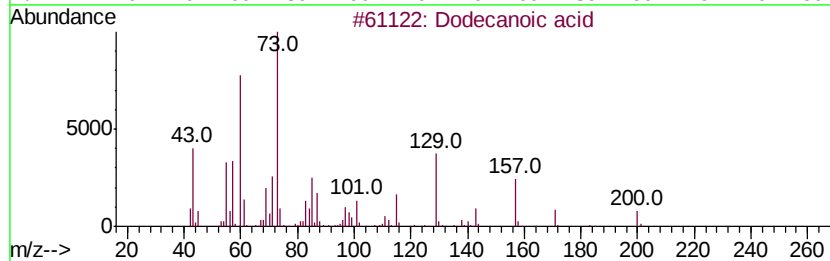
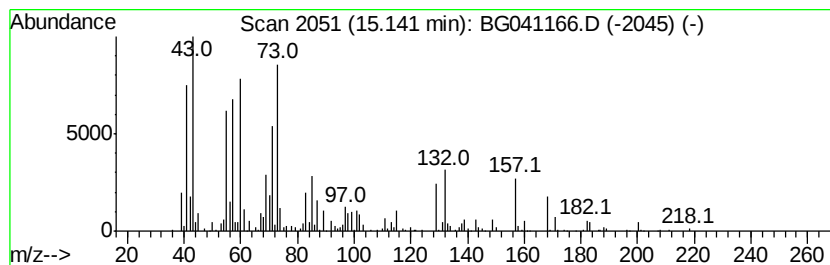
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.14	24.59 ng	599282	Acenaphthene-d10		14.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecanoic acid	200	C12H24O2	000143-07-7	70
2			Tridecanoic acid	214	C13H26O2	000638-53-9	52
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	49
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	43
5			Nonanoic acid	158	C9H18O2	000112-05-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
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ClientSampleId :
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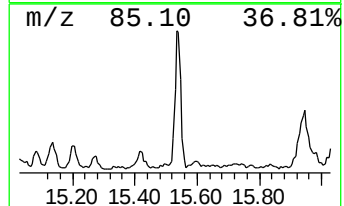
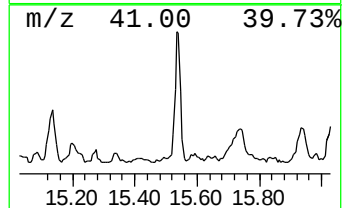
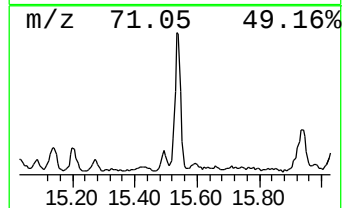
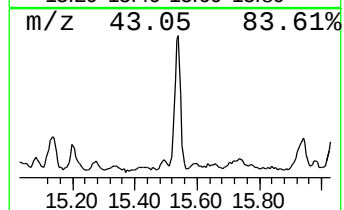
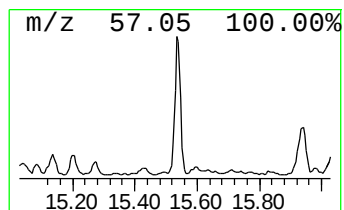
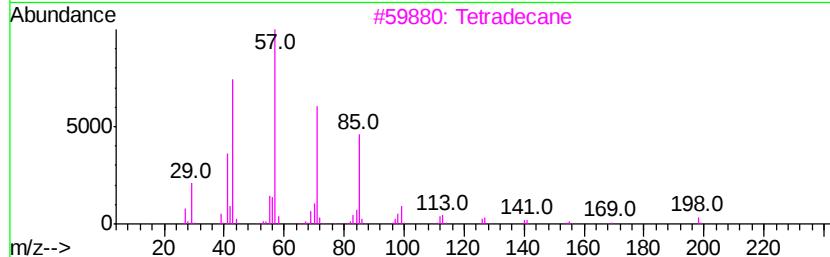
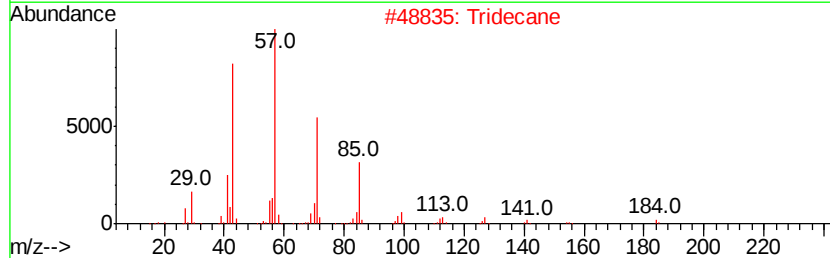
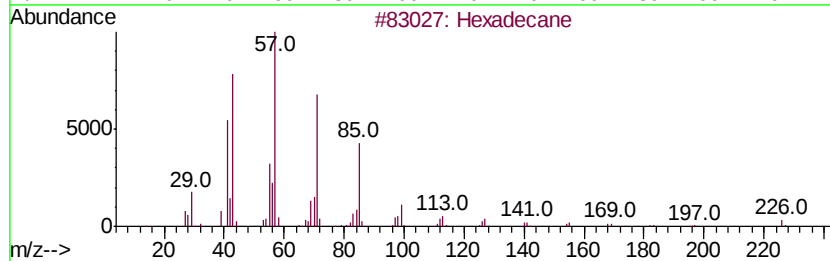
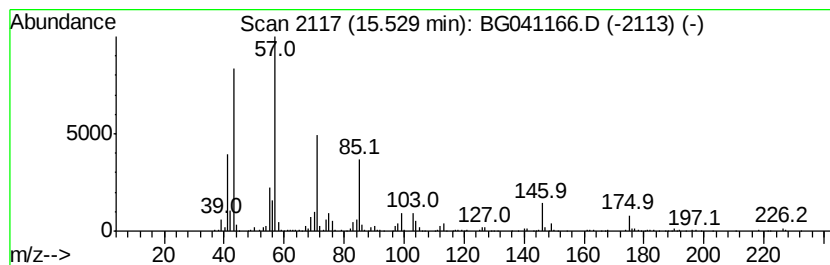
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	37.15 ng	905266	Acenaphthene-d10	14.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	95
2	Tridecane		184	C13H28	000629-50-5	86
3	Tetradecane		198	C14H30	000629-59-4	86
4	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	80
5	Decane, 3-methyl-		156	C11H24	013151-34-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
Operator : HP/JU
Sample : K3250-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

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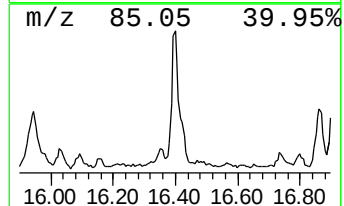
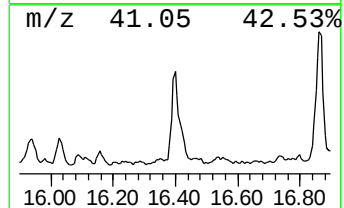
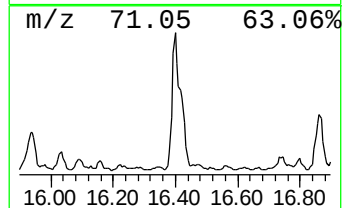
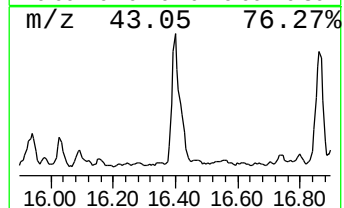
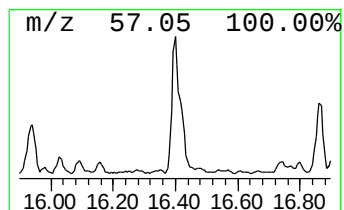
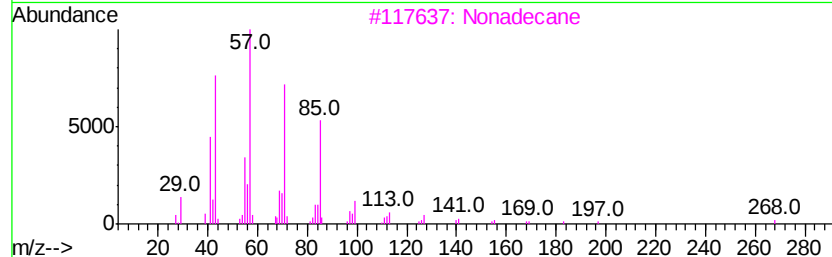
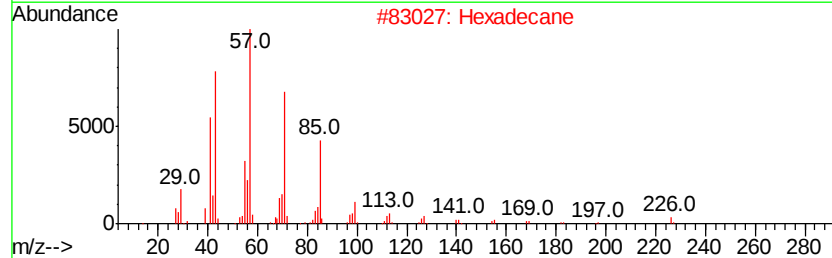
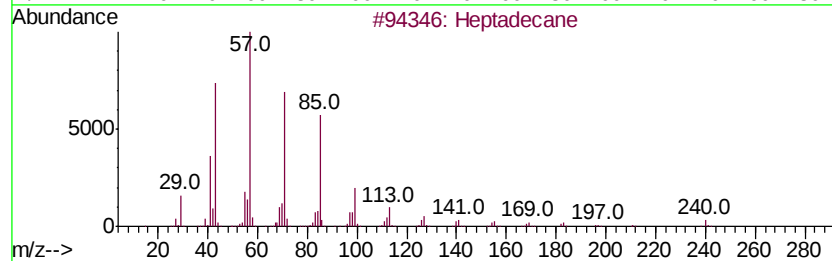
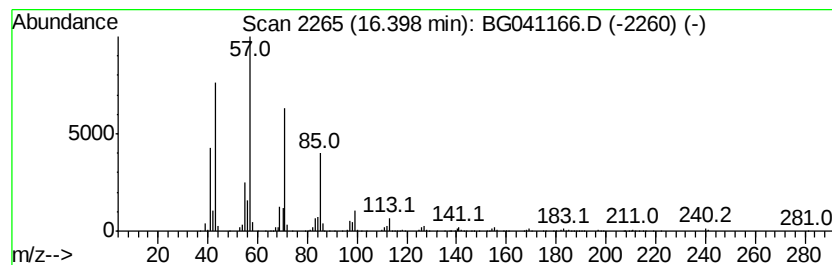
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	24.50 ng	1081860	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	97
2	Hexadecane		226	C16H34	000544-76-3	91
3	Nonadecane		268	C19H40	000629-92-5	91
4	Eicosane, 10-methyl-		296	C21H44	054833-23-7	90
5	Pentadecane		212	C15H32	000629-62-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
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Misc :
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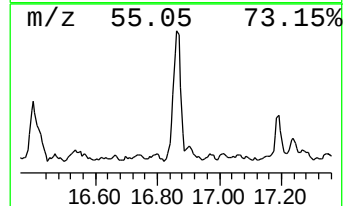
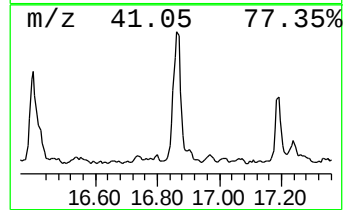
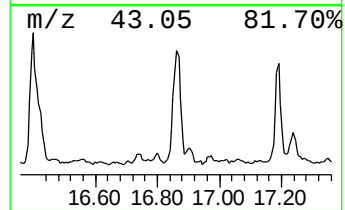
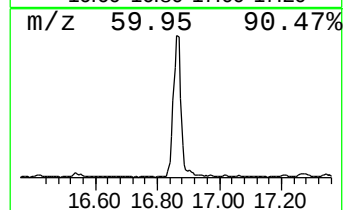
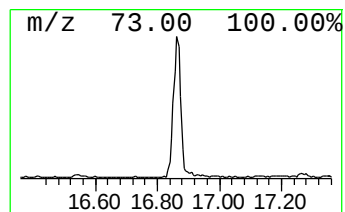
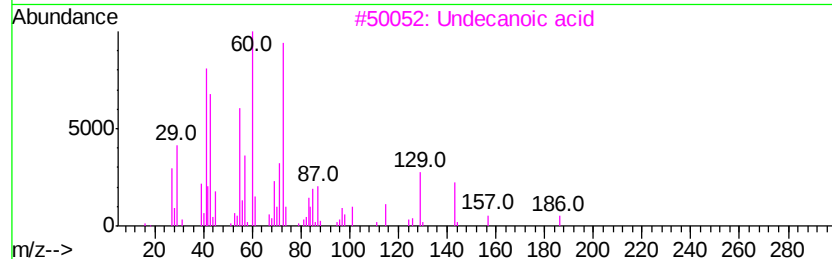
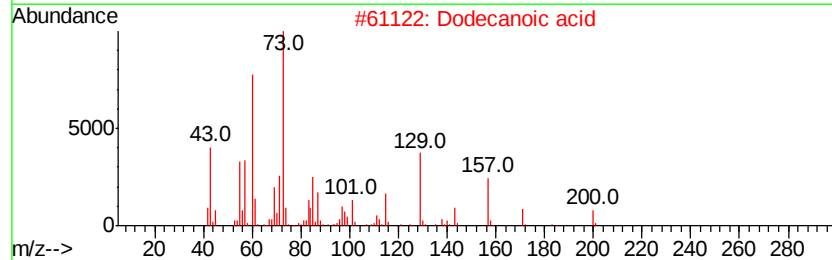
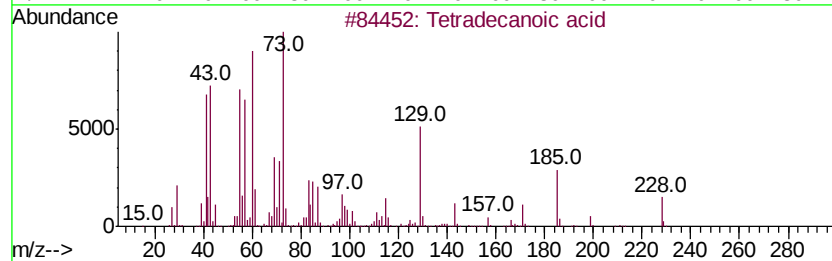
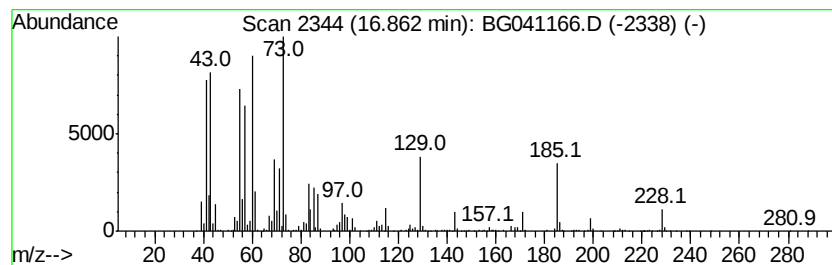
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Tetradecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	33.96 ng	1499540	Phenanthrene-d10	17.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecanoic acid	228	C14H28O2	000544-63-8	96
2		Dodecanoic acid	200	C12H24O2	000143-07-7	86
3		Undecanoic acid	186	C11H22O2	000112-37-8	64
4		n-Decanoic acid	172	C10H20O2	000334-48-5	64
5		Tridecanoic acid	214	C13H26O2	000638-53-9	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
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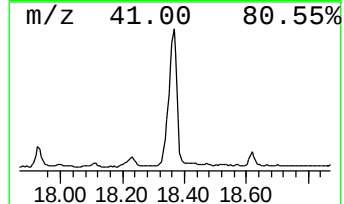
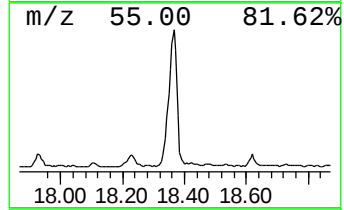
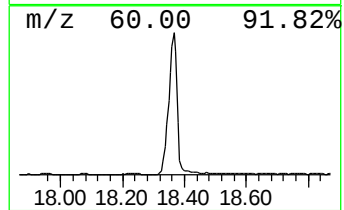
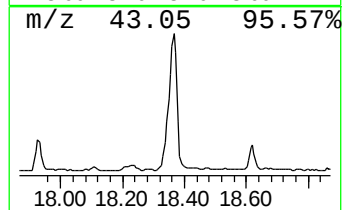
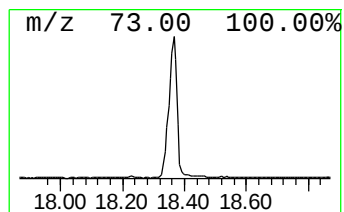
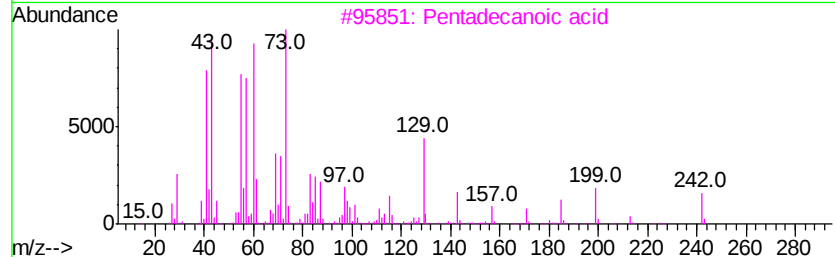
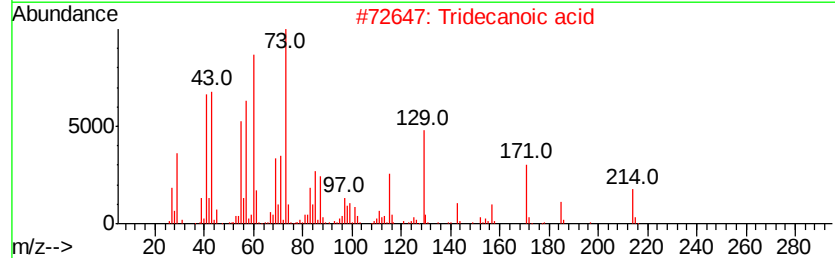
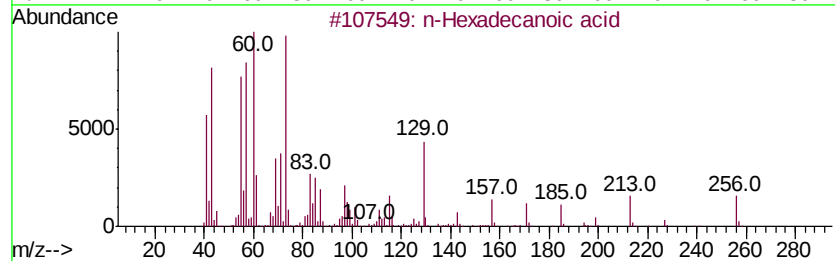
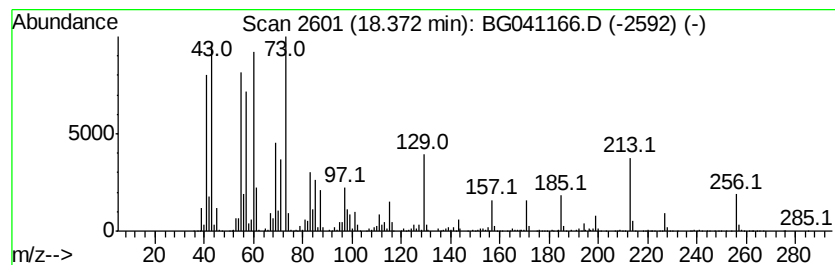
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	122.13 ng	5392250	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	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
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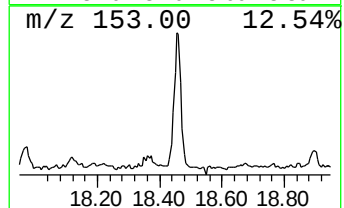
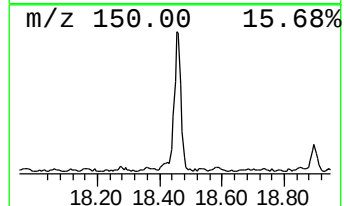
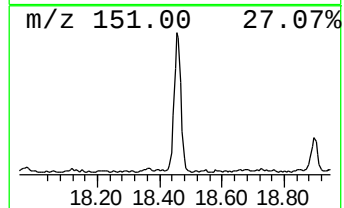
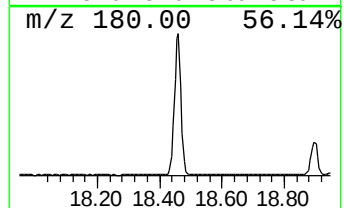
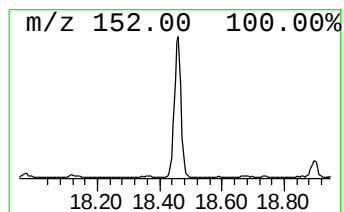
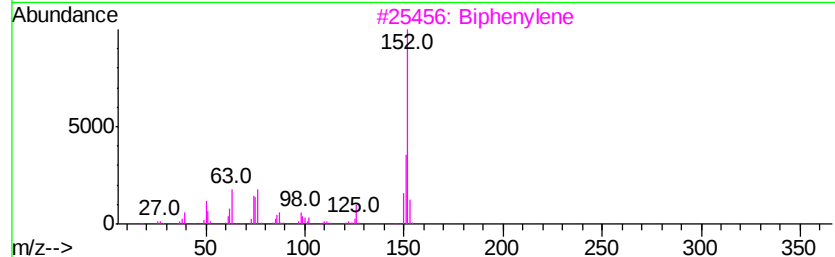
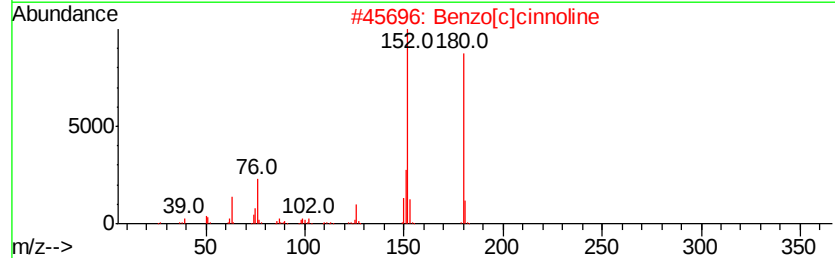
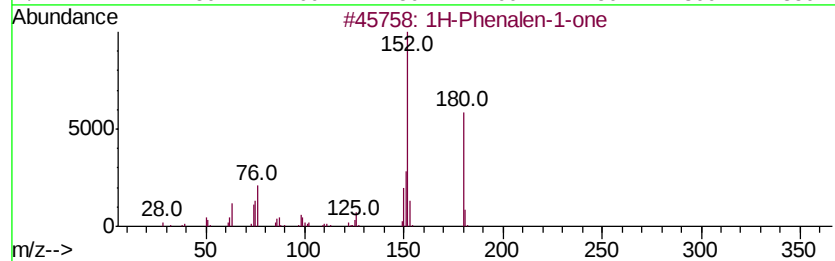
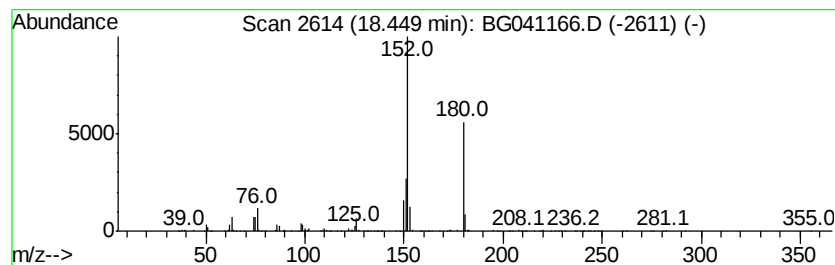
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1H-Phenalen-1-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	22.43 ng	990322	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	95
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3		Biphenylene	152	C12H8	000259-79-0	86
4		Benzo[ghi]cinnoline	180	C12H8N2	000230-31-9	68
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
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ClientSampleId :
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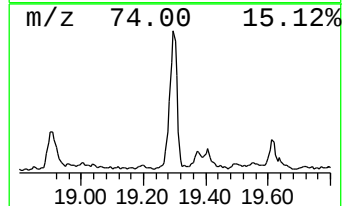
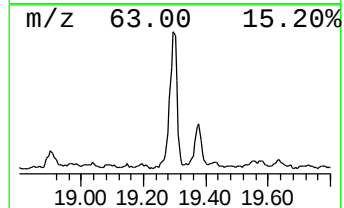
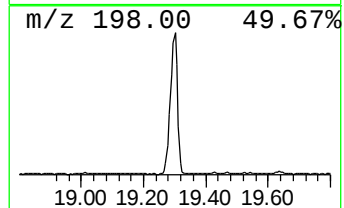
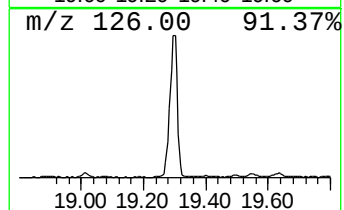
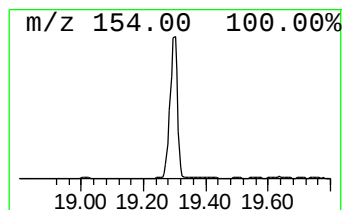
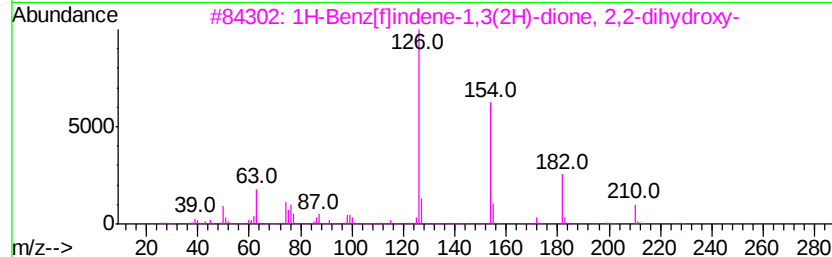
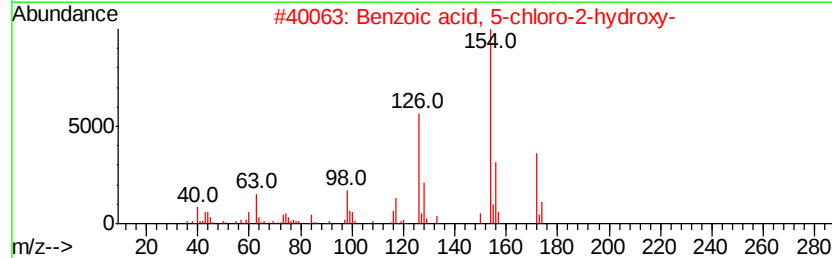
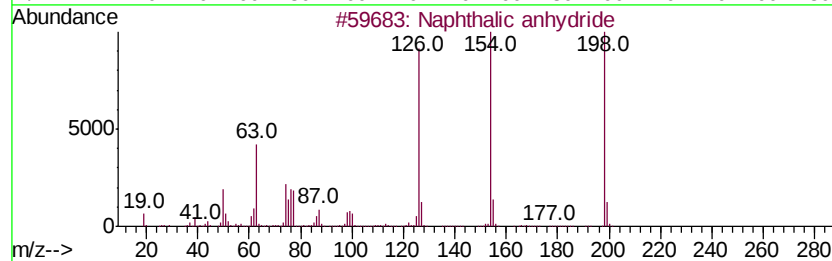
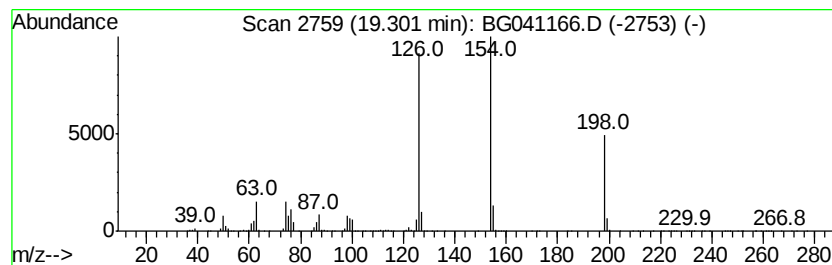
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalic anhydride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	58.68 ng	2590700	Phenanthrene-d10	17.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalic anhydride	198	C12H6O3	000081-84-5	97
2		Benzoic acid, 5-chloro-2-hydroxy-	172	C7H5ClO3	000321-14-2	59
3		1H-Benz[flindene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	47
4		1H-Benz[flindene-1,2,3-trione	210	C13H6O3	020927-01-9	47
5		Benzothiazole, 4,5,6,7-tetrahydr...	154	C7H10N2S	002933-29-1	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
Operator : HP/JU
Sample : K3250-02
Misc :
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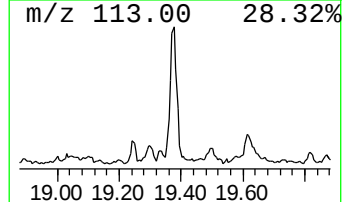
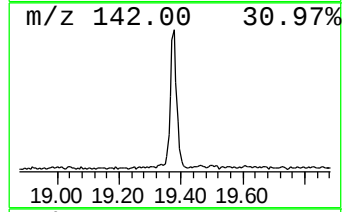
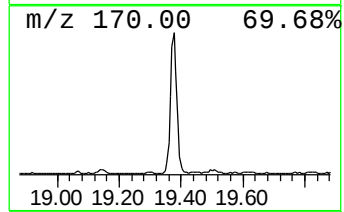
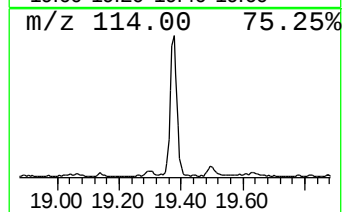
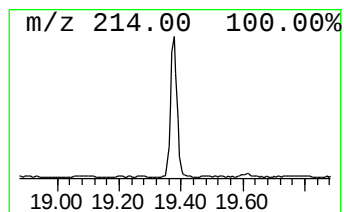
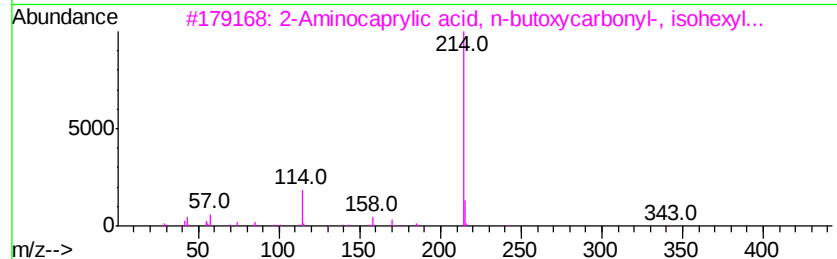
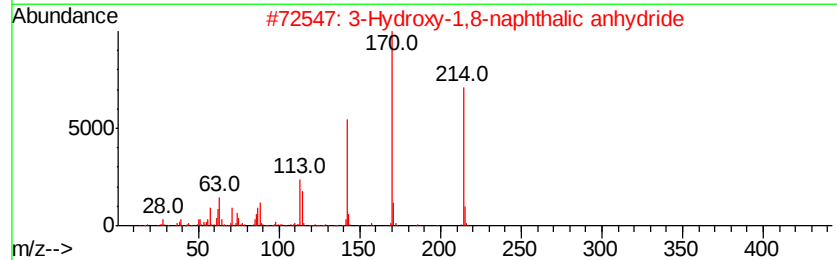
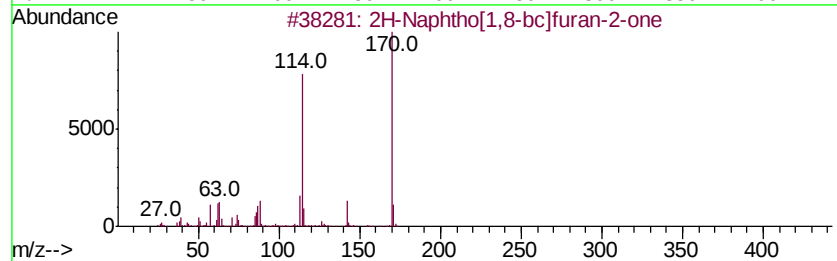
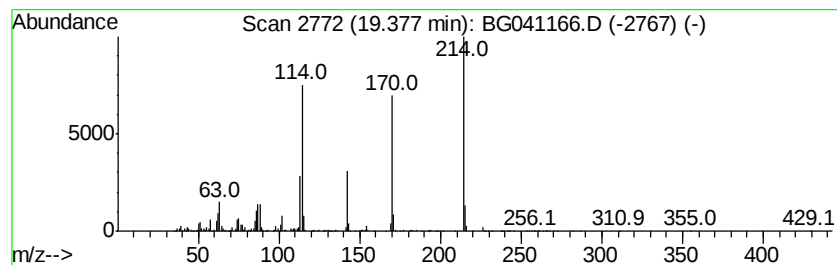
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2H-Naphtho[1,8-bc]furan-2-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.38	22.20 ng	980387	Phenanthrene-d10	17.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Naphtho[1,8-bc]furan-2-one	170	C11H6O2	005247-85-8	91
2	3-Hydroxy-1,8-naphthalic anhydride	214	C12H6O4	023204-36-6	45
3	2-Aminocaprylic acid, n-butoxyca...	343	C19H37NO4	1000327-80-4	37
4	2-Aminocaprylic acid, n-butoxyca...	301	C16H31NO4	1000327-80-1	37
5	2-Naphthalenecarboxylic acid, 1-...	188	C11H8O3	000086-48-6	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
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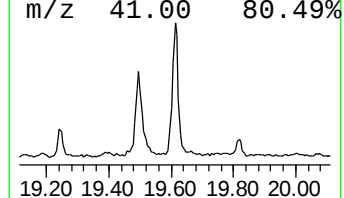
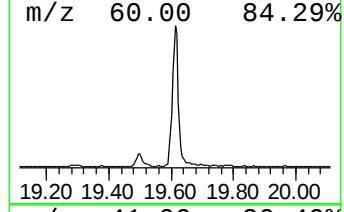
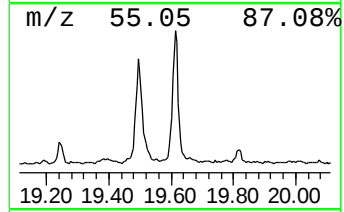
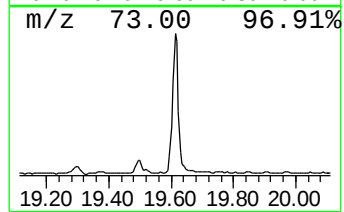
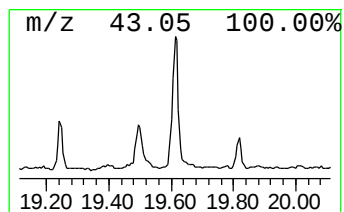
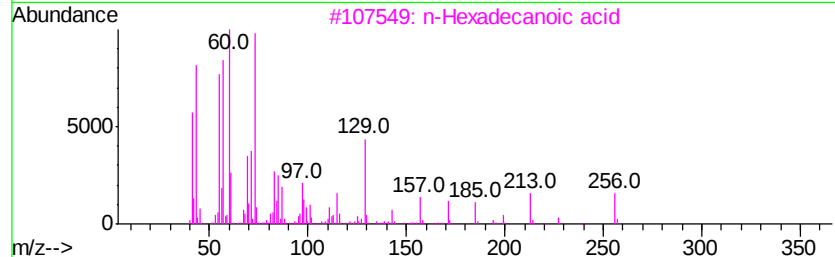
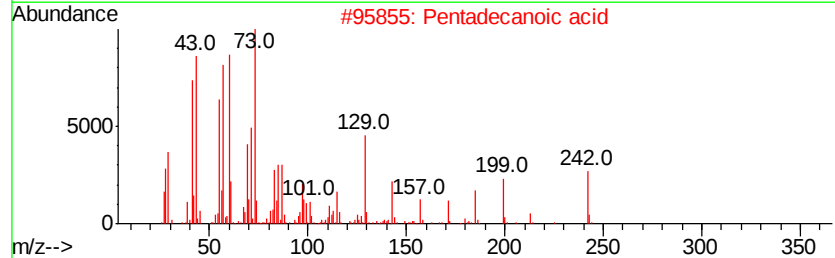
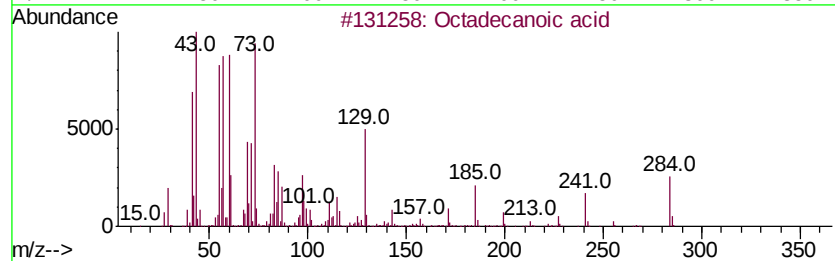
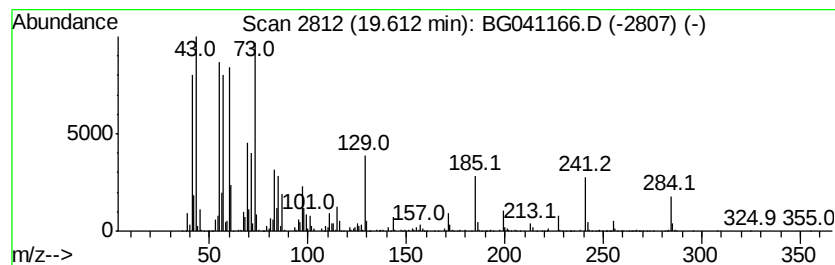
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	61.66 ng	2722470	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	89
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5		Tridecanoic acid	214	C13H26O2	000638-53-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
Operator : HP/JU
Sample : K3250-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

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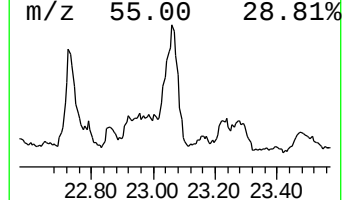
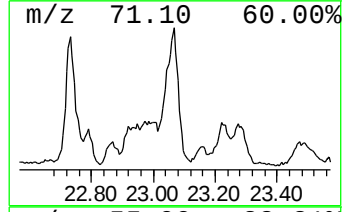
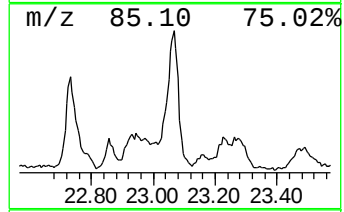
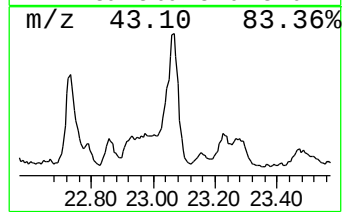
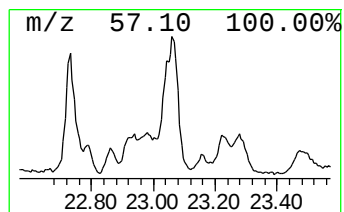
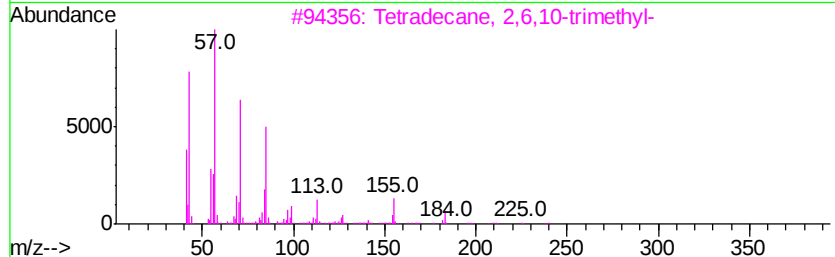
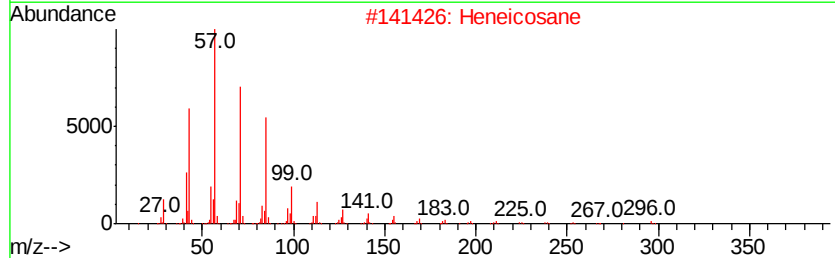
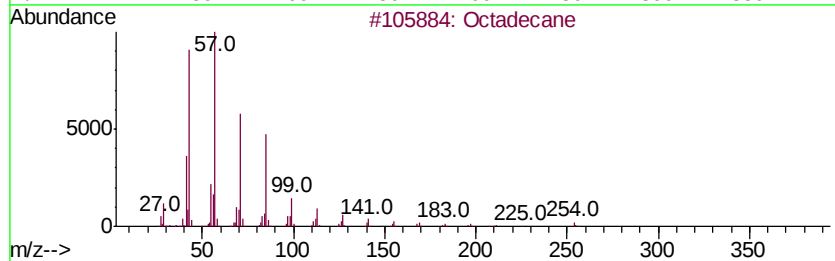
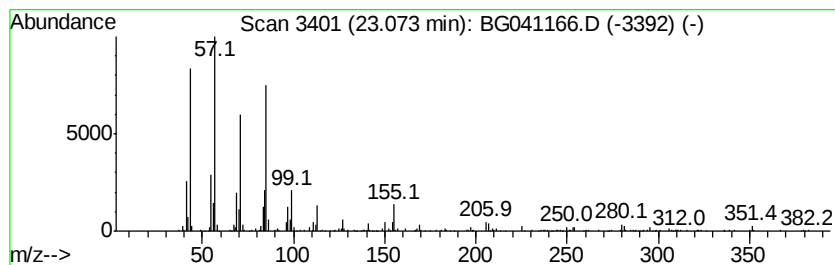
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	26.30 ng	1459120	Chrysene-d12	21.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	64
2		Heneicosane	296	C21H44	000629-94-7	64
3		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64
4		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	59
5		Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
CHIMNEY-1

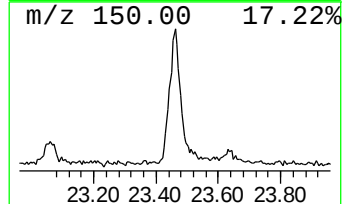
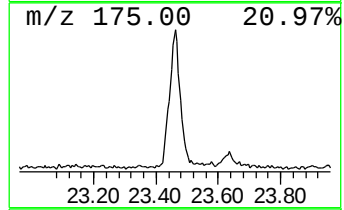
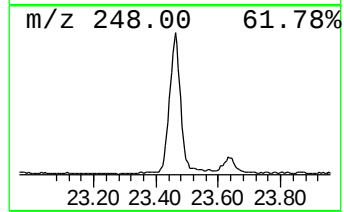
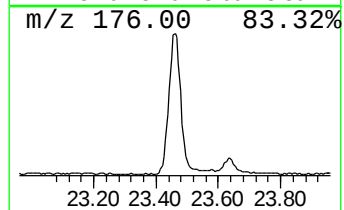
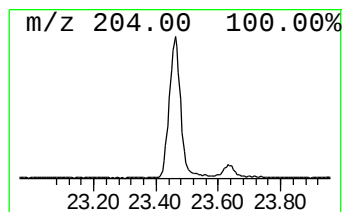
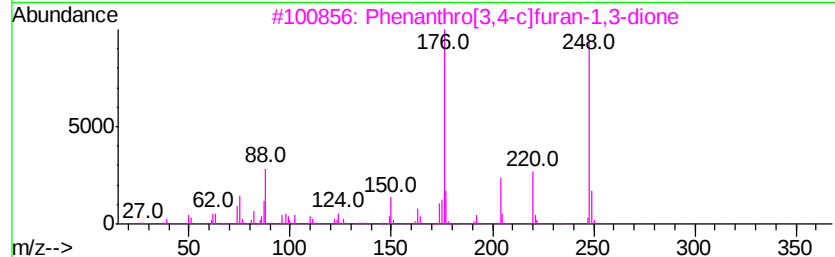
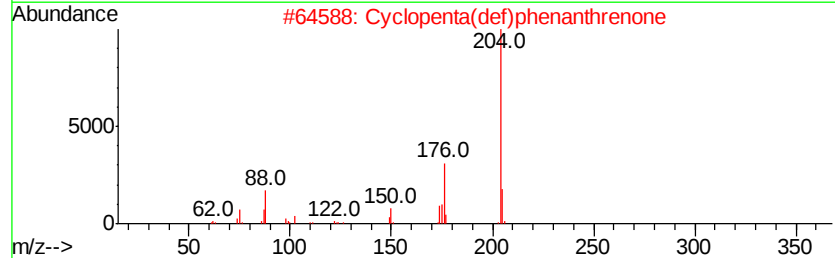
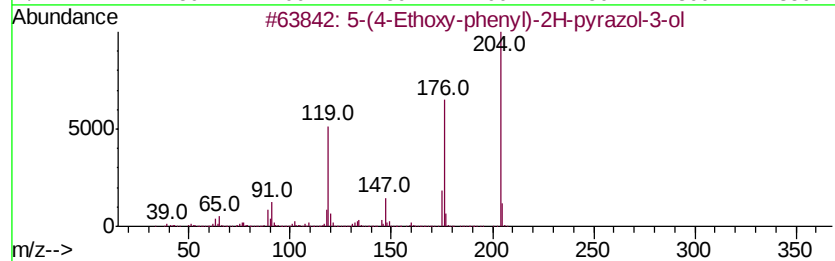
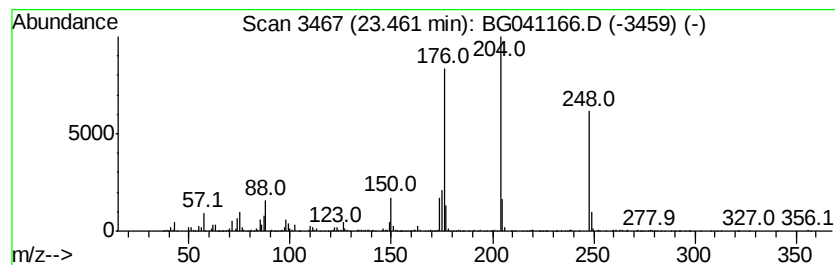
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5-(4-Ethoxy-phenyl)-2H-pyra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.46	35.37 ng	1844700	Perylene-d12	25.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	58
2		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
3		Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	43
4		2-Carbethoxy-4-hydroxy-6-methoxy...	248	C12H12N2O4	1000227-07-7	43
5		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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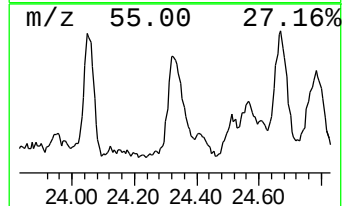
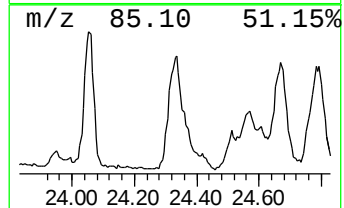
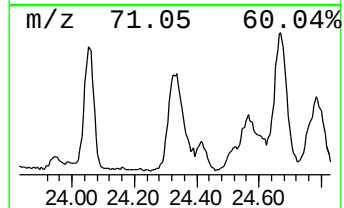
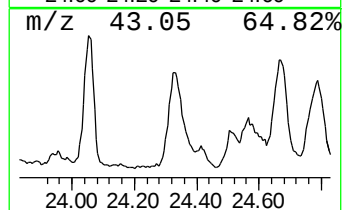
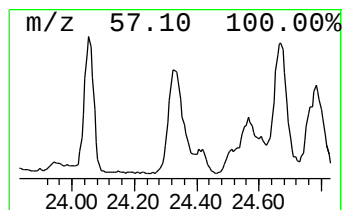
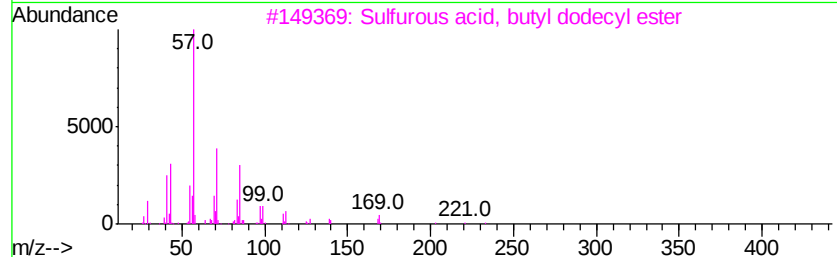
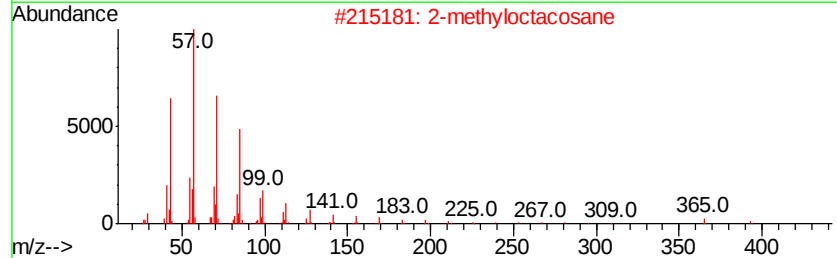
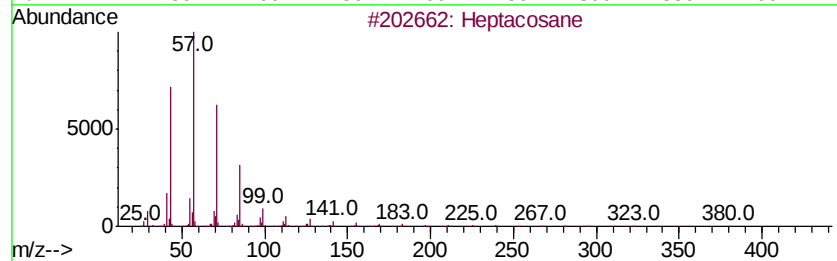
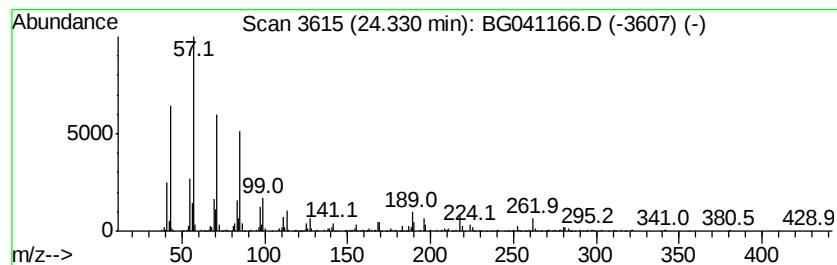
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.33	21.69 ng	1131180	Perylene-d12	25.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	87
3		Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	87
4		10-Methylnonadecane	282	C20H42	056862-62-5	83
5		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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BNA_G
ClientSampleId :
CHIMNEY-1

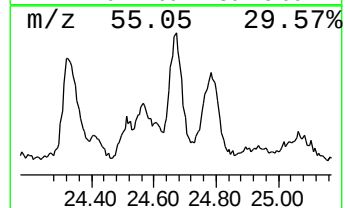
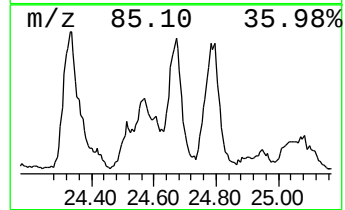
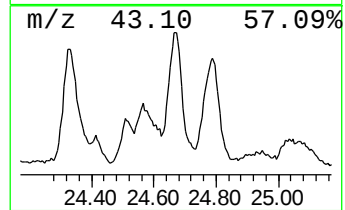
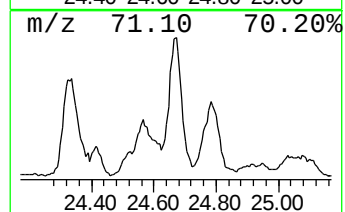
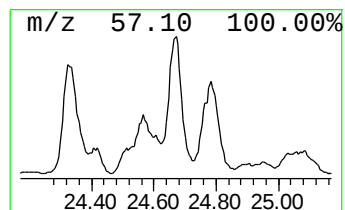
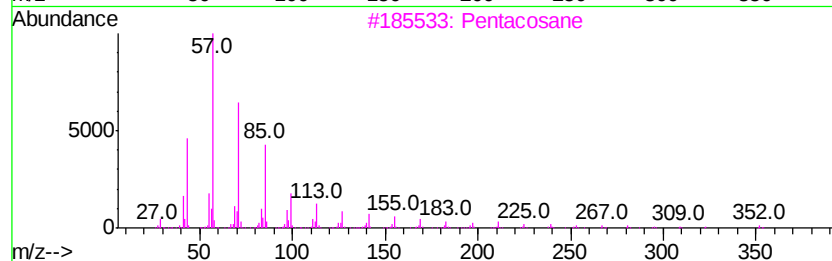
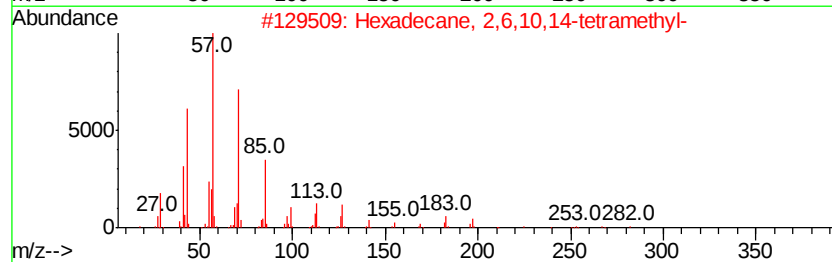
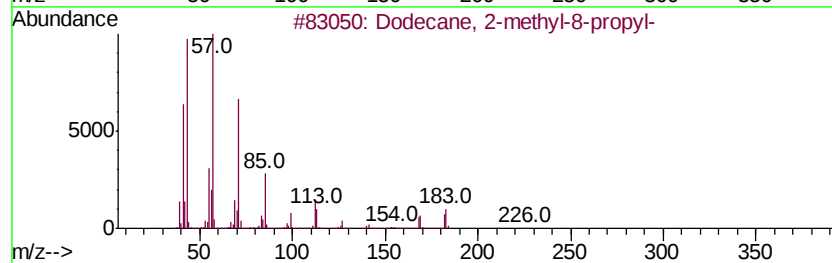
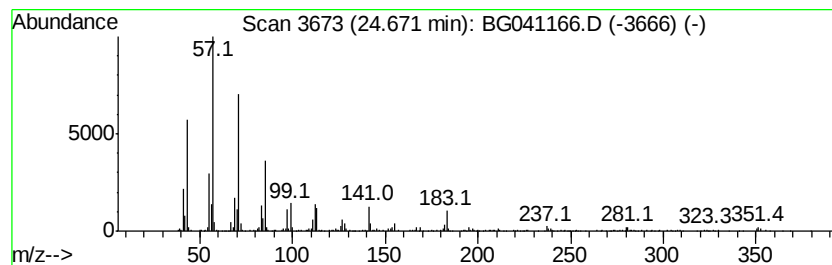
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Dodecane, 2-methyl-8-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	20.77 ng	1083410	Perylene-d12	25.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	93
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
3		Pentacosane	352	C25H52	000629-99-2	90
4		Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	89
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
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ALS Vial : 3 Sample Multiplier: 1

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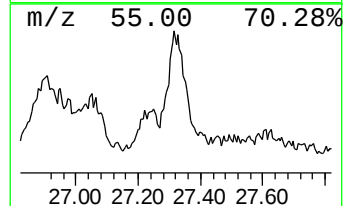
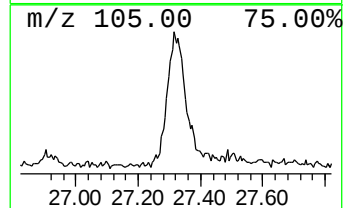
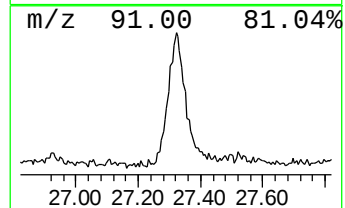
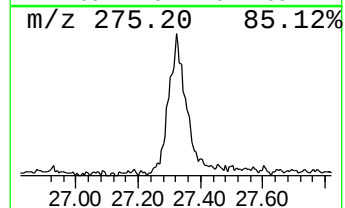
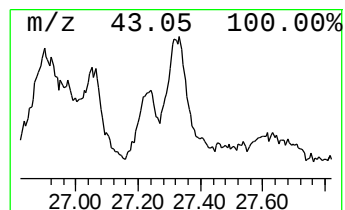
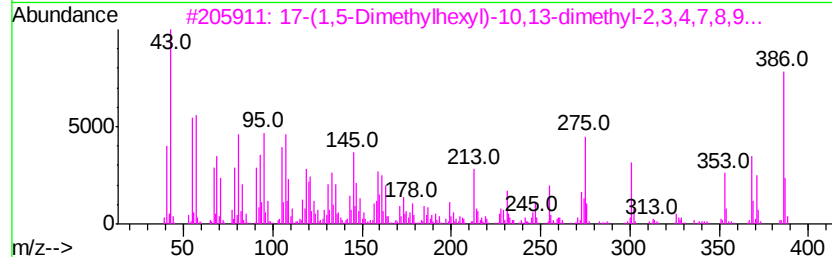
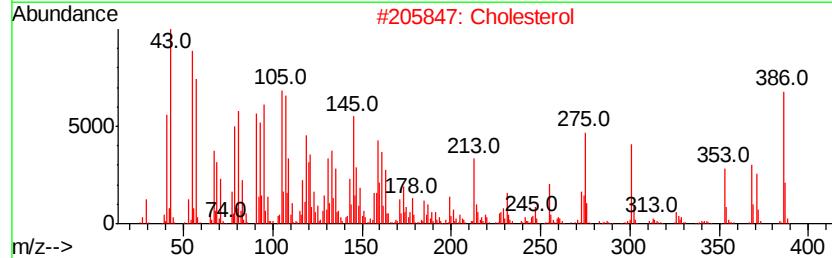
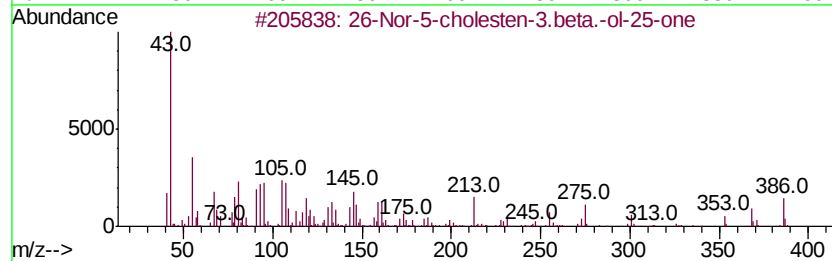
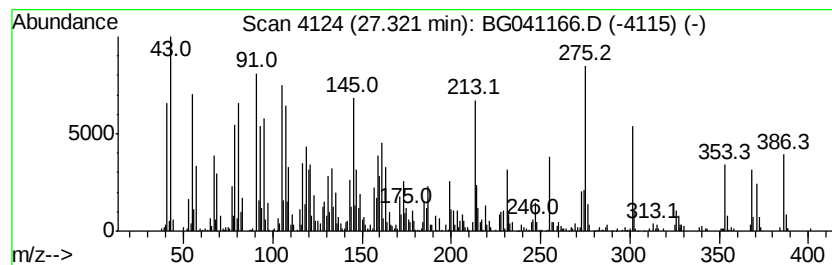
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 26-Nor-5-cholesten-3.beta.-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.32	30.91 ng	1612140	Perylene-d12	25.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	74
2		Cholesterol	386	C27H46O	000057-88-5	70
3		17-(1,5-Dimethylhexyl)-10,13-dim...	386	C27H46O	1000210-38-4	70
4		5-[4-(Dimethylamino)benzylidene]...	275	C13H13N3O2S	027430-15-5	35
5		2,2':6',2''-Terpyridine, 4,4',4'...	275	C18H17N3	033354-75-5	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041166.D
Acq On : 10 Jun 2019 17:00
Operator : HP/JU
Sample : K3250-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

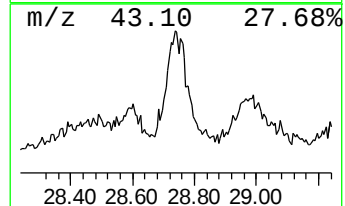
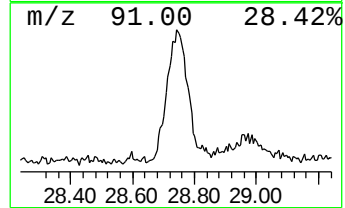
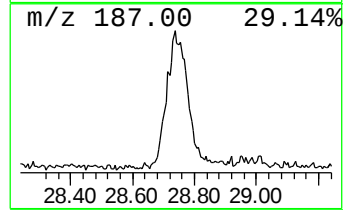
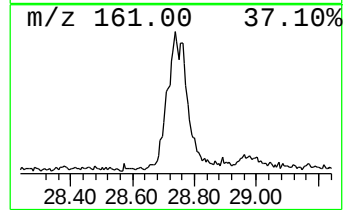
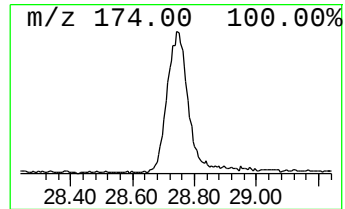
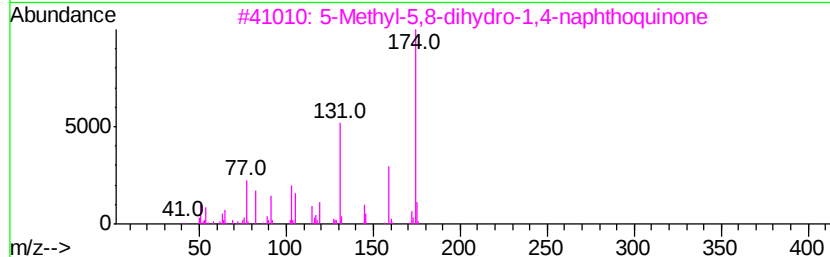
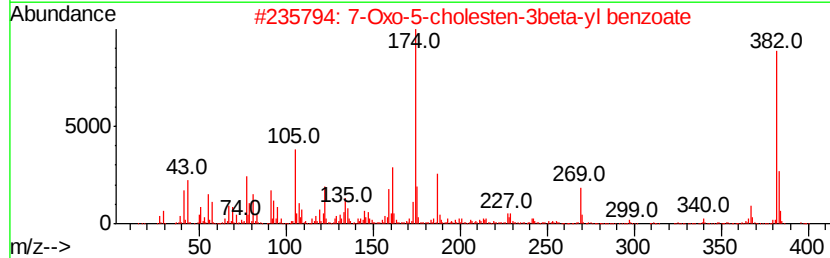
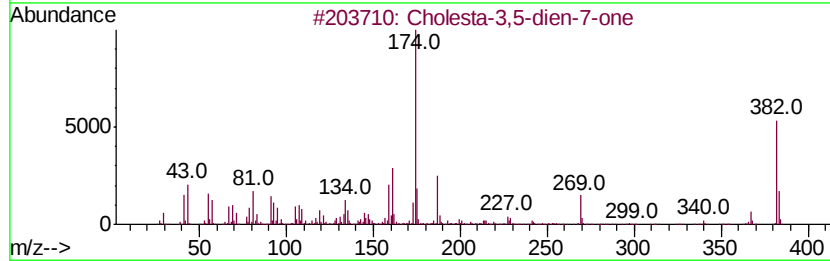
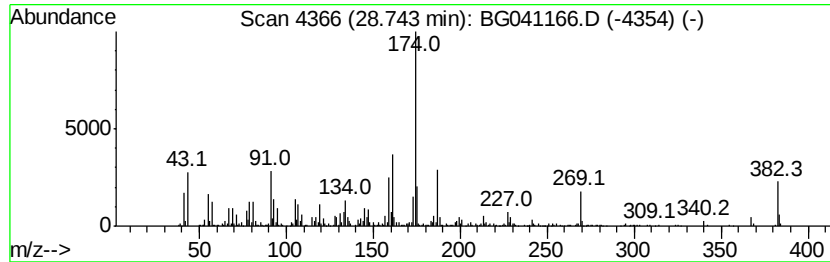
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cholesta-3,5-dien-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.74	23.12 ng	1205540	Perylene-d12	25.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholesta-3,5-dien-7-one	382	C27H42O	000567-72-6	97
2		7-Oxo-5-cholesten-3beta-yl benzoate	504	C34H48O3	006997-41-7	83
3		5-Methyl-5,8-dihydro-1,4-naphtho...	174	C11H10O2	086759-40-2	43
4		N-(n-Propyl)-1-phenylcyclohexyla...	217	C15H23N	018949-81-0	38
5		2-Methyl-5-methoxytryptamine	204	C12H16N2O	003143-97-3	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061019\
 Data File : BG041166.D
 Acq On : 10 Jun 2019 17:00
 Operator : HP/JU
 Sample : K3250-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHIMNEY-1

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
unknown7.63	7.63	44.3	ng	800586	1	8.11	361620	20.0
Phthalic anhydride	12.70	34.7	ng	895243	2	10.93	516330	20.0
Pentadecane	14.59	24.9	ng	607518	3	14.74	487342	20.0
Dodecanoic acid	15.14	24.6	ng	599282	3	14.74	487342	20.0
Hexadecane	15.53	37.1	ng	905266	3	14.74	487342	20.0
Heptadecane	16.40	24.5	ng	1081860	4	17.49	883041	20.0
Tetradecanoic acid	16.86	34.0	ng	1499540	4	17.49	883041	20.0
n-Hexadecanoic acid	18.37	122.1	ng	5392250	4	17.49	883041	20.0
1H-Phenalen-1-one	18.45	22.4	ng	990322	4	17.49	883041	20.0
Naphthalic anhydride	19.30	58.7	ng	2590700	4	17.49	883041	20.0
2H-Naphtho[1,8-bc...	19.38	22.2	ng	980387	4	17.49	883041	20.0
Octadecanoic acid	19.61	61.7	ng	2722470	4	17.49	883041	20.0
Octadecane	23.07	26.3	ng	1459120	5	21.76	1109670	20.0
5-(4-Ethoxy-pheny...	23.46	35.4	ng	1844700	6	25.10	1043050	20.0
Heptacosane	24.33	21.7	ng	1131180	6	25.10	1043050	20.0
Dodecane, 2-methy...	24.67	20.8	ng	1083410	6	25.10	1043050	20.0
26-Nor-5-choleste...	27.32	30.9	ng	1612140	6	25.10	1043050	20.0
Cholesta-3,5-dien...	28.74	23.1	ng	1205540	6	25.10	1043050	20.0