

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046005.D
 Acq On : 10 Jul 2020 13:46
 Operator : CG/JU
 Sample : L3203-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-16

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-BG070620.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	3.143	5	9	18	rBV	139510	272556	4.12%	0.539%
2	3.219	18	22	37	rVB	274222	435483	6.58%	0.861%
3	5.581	417	424	437	rBV	1490424	2480375	37.49%	4.906%
4	7.161	685	693	702	rBV	1690262	2901232	43.85%	5.738%
5	7.596	760	767	773	rBV	42363	75051	1.13%	0.148%
6	8.007	830	837	845	rBV	551556	962366	14.55%	1.903%
7	8.330	884	892	900	rBV	1356570	2331264	35.24%	4.611%
8	9.152	1023	1032	1040	rBV	1095721	1951041	29.49%	3.859%
9	10.803	1306	1313	1320	rBV	800293	1386249	20.95%	2.742%
10	13.253	1722	1730	1737	rVB	2783628	4269950	64.54%	8.445%
11	14.075	1864	1870	1876	rBV	404561	584772	8.84%	1.157%
12	14.627	1955	1964	1970	rBV	1224564	1925068	29.10%	3.807%
13	16.108	2209	2216	2225	rBV	2211320	3332386	50.37%	6.591%
14	16.631	2301	2305	2308	rVB2	53076	69518	1.05%	0.137%
15	17.365	2424	2430	2435	rBV	1572147	2402762	36.32%	4.752%
16	17.412	2435	2438	2443	rVB	118384	162489	2.46%	0.321%
17	18.275	2576	2585	2594	rBV2	415197	757511	11.45%	1.498%
18	18.786	2667	2672	2677	rVB2	37865	71411	1.08%	0.141%
19	18.880	2682	2688	2694	rVV3	98409	190039	2.87%	0.376%
20	19.051	2712	2717	2721	rBV	283135	356324	5.39%	0.705%
21	19.139	2728	2732	2738	rBV2	55090	89771	1.36%	0.178%
22	19.286	2752	2757	2766	rVB2	121516	230158	3.48%	0.455%
23	19.415	2774	2779	2784	rBV	306820	447727	6.77%	0.886%
24	19.544	2797	2801	2814	rVB2	285445	445564	6.73%	0.881%
25	19.697	2824	2827	2831	rVB3	93625	117061	1.77%	0.232%
26	19.779	2831	2841	2845	rVV2	268596	508654	7.69%	1.006%
27	19.856	2849	2854	2862	rVB2	168650	319357	4.83%	0.632%
28	19.985	2870	2876	2884	rVB	5056952	6615999	100.00%	13.085%
29	20.273	2922	2925	2929	rVB2	68612	76963	1.16%	0.152%
30	20.649	2984	2989	2998	rVB	310284	537725	8.13%	1.064%
31	20.737	3001	3004	3008	rVB2	75948	85908	1.30%	0.170%
32	21.025	3049	3053	3062	rVB2	123867	217724	3.29%	0.431%
33	21.301	3095	3100	3107	rBV	754340	1081029	16.34%	2.138%
34	21.418	3114	3120	3128	rVB2	465089	850348	12.85%	1.682%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	21.624	3146	3155	3161	rVV2	1615638	2988024	45.16%	5.910%
36	21.671	3161	3163	3173	rVB	120175	176448	2.67%	0.349%
37	21.859	3191	3195	3200	rVB4	84040	147092	2.22%	0.291%
38	22.288	3261	3268	3276	rBV	527501	1119305	16.92%	2.214%
39	22.476	3295	3300	3307	rVB2	110761	195928	2.96%	0.388%
40	23.163	3412	3417	3426	rVB2	84695	188731	2.85%	0.373%
41	23.292	3430	3439	3453	rVB2	499589	1314218	19.86%	2.599%
42	23.780	3515	3522	3532	rBV2	94493	346768	5.24%	0.686%
43	23.968	3548	3554	3559	rBV2	95764	211414	3.20%	0.418%
44	24.461	3629	3638	3653	rVB2	452054	1414857	21.39%	2.798%
45	24.784	3683	3693	3703	rVB2	884820	2419874	36.58%	4.786%
46	25.842	3865	3873	3887	rVB4	258213	871204	13.17%	1.723%
47	26.035	3899	3906	3916	rVB4	95453	293900	4.44%	0.581%
48	26.135	3919	3923	3932	rVB6	75377	174773	2.64%	0.346%
49	27.504	4149	4156	4158	rBV6	68028	155546	2.35%	0.308%

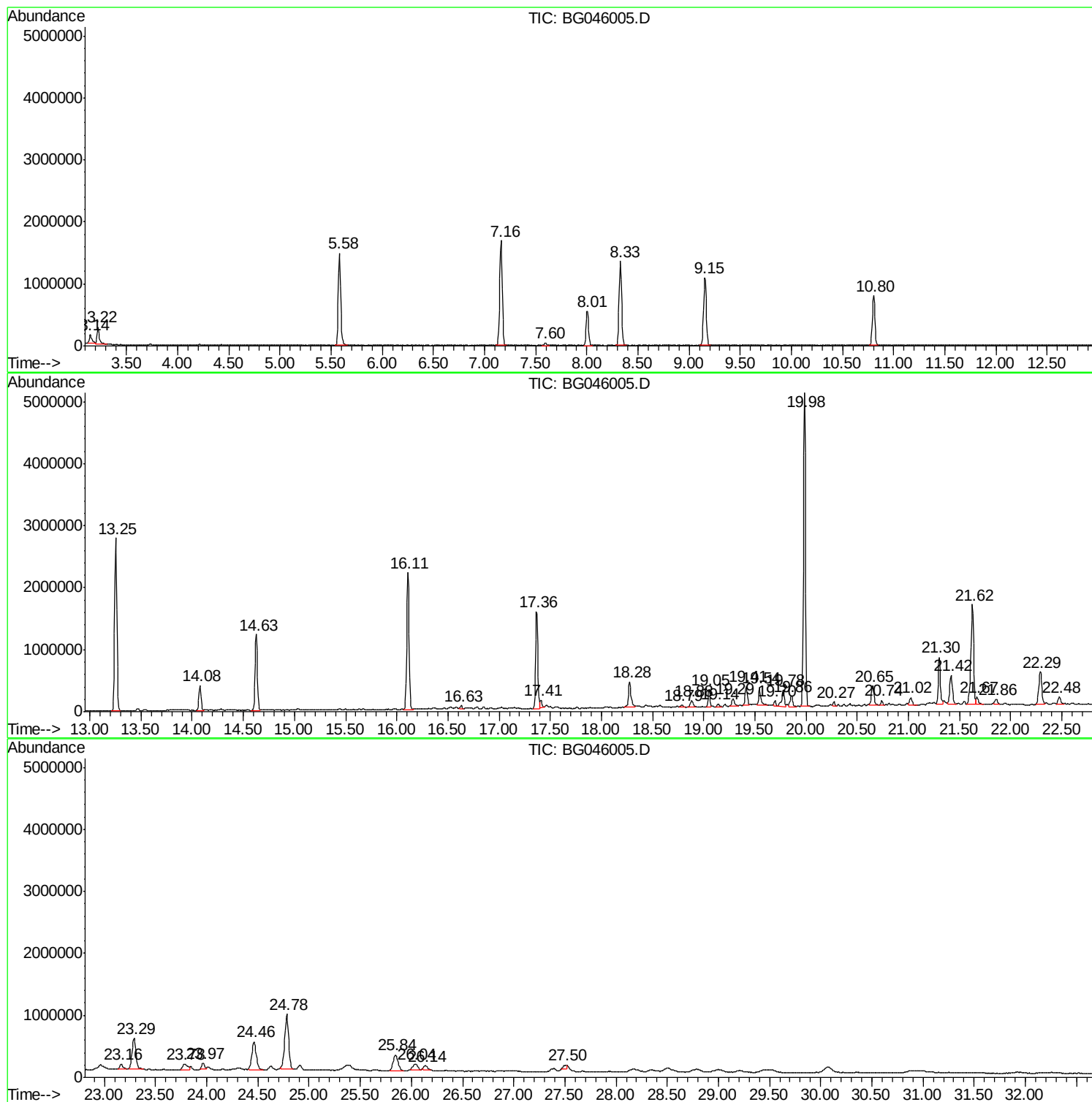
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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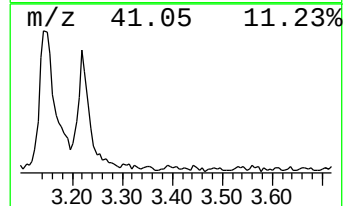
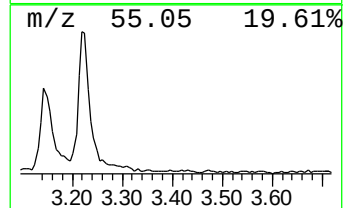
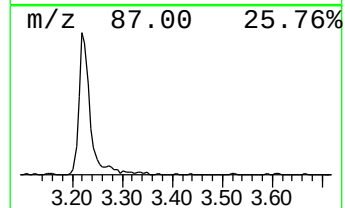
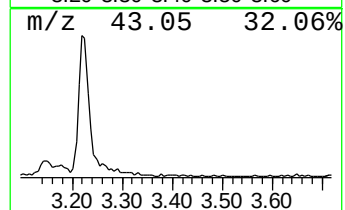
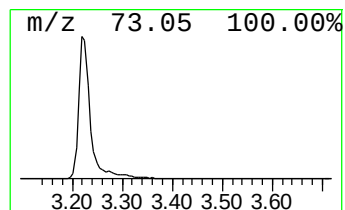
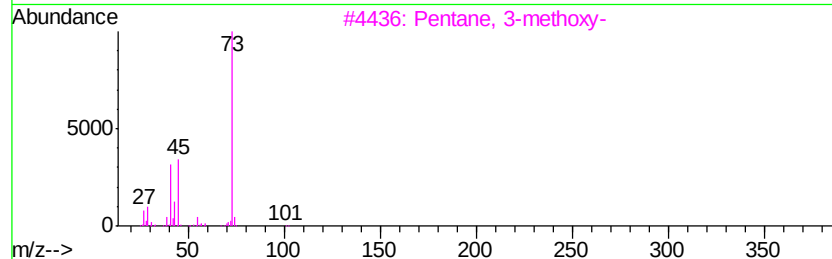
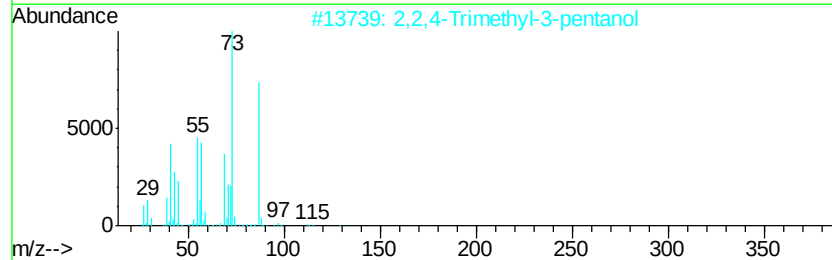
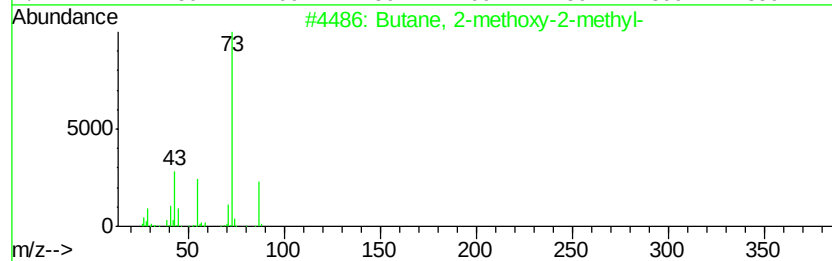
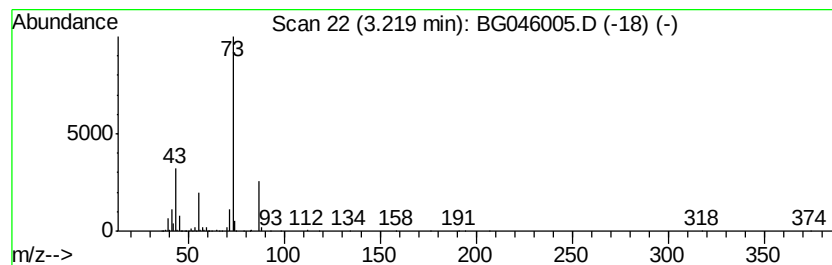
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	9.05 ng	435483	1,4-Dichlorobenzene-d4	8.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4		1-Propene-1-thiol	74	C3H6S	000925-89-3	9
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



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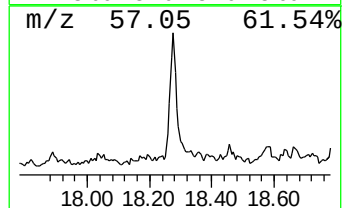
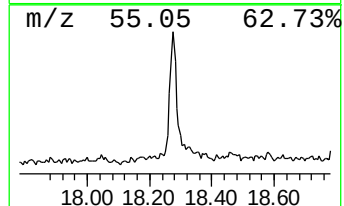
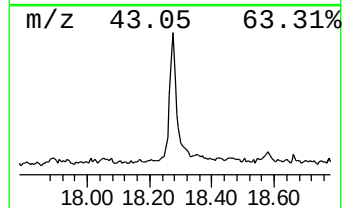
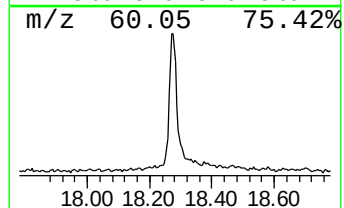
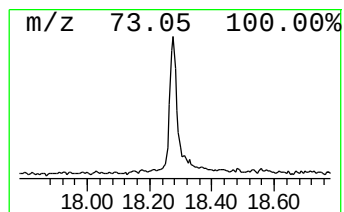
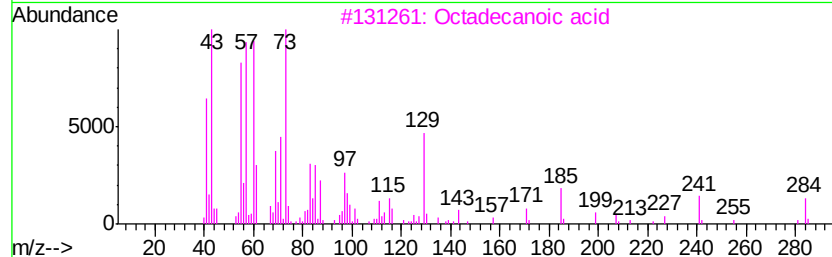
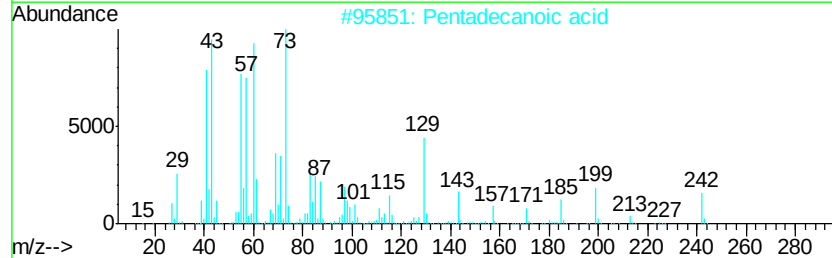
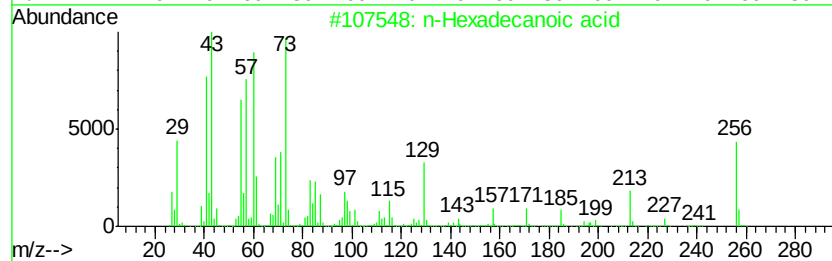
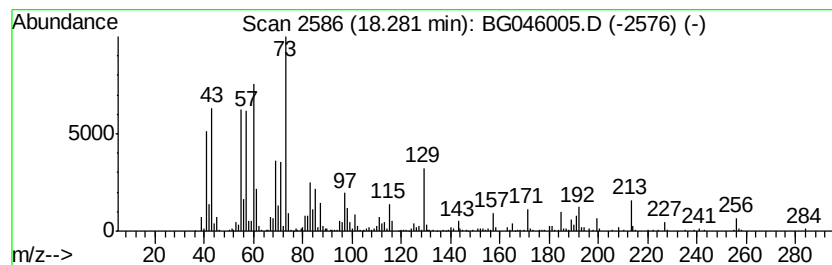
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.28	6.31 ng	757511	Phenanthrene-d10	17.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
3	Octadecanoic acid	284	C18H36O2	000057-11-4	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	47
5	Dodecanoic acid	200	C12H24O2	000143-07-7	38



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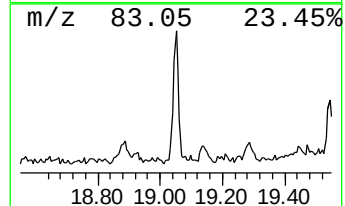
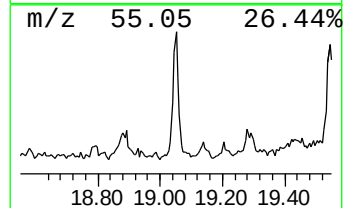
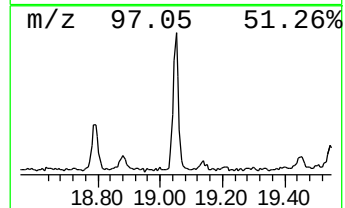
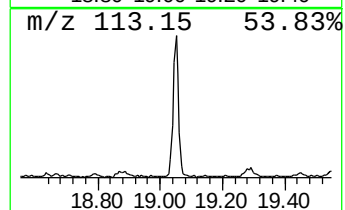
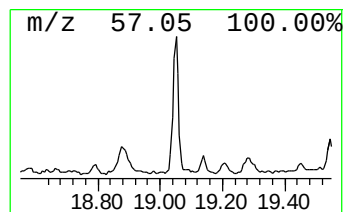
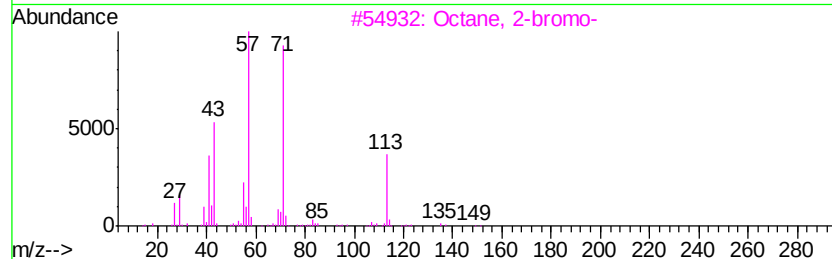
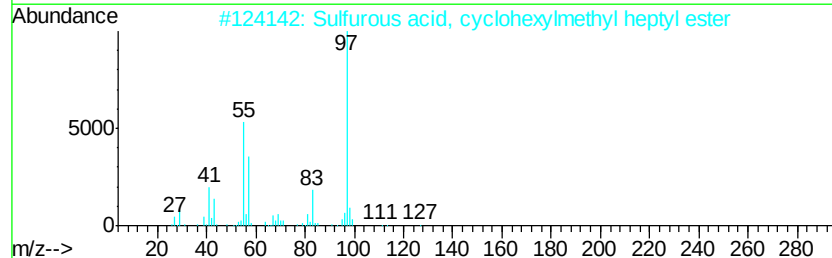
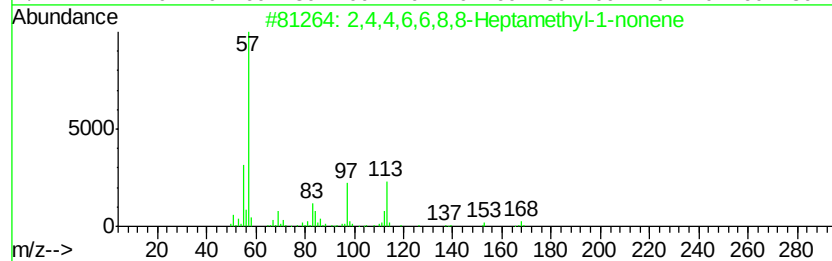
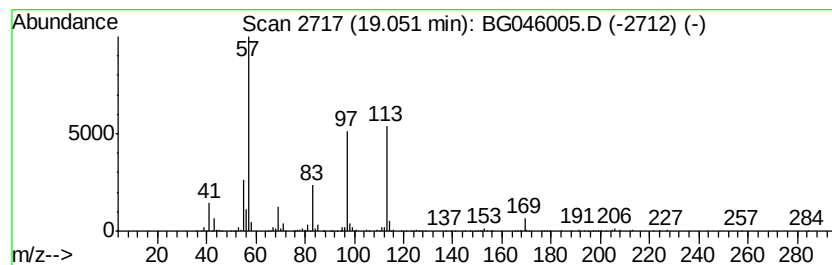
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.05	2.97 ng	356324	Phenanthrene-d10	17.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	64
2	Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	38
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	37
4	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	35
5	Formic acid, 2,4,4-trimethylpent...	158	C9H18O2	1000368-95-2	32



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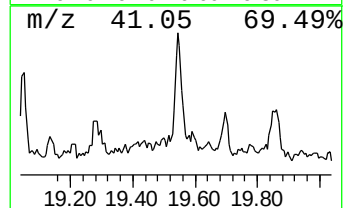
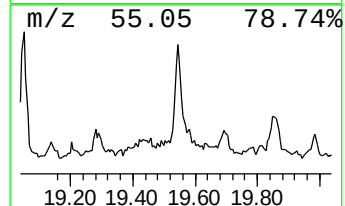
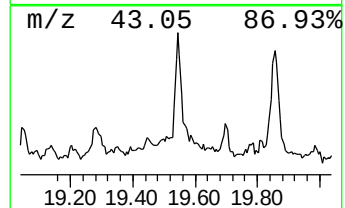
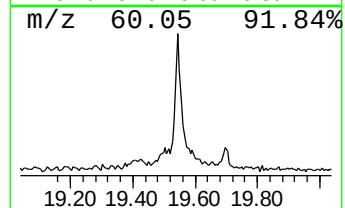
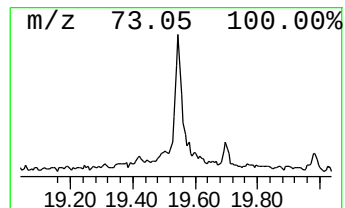
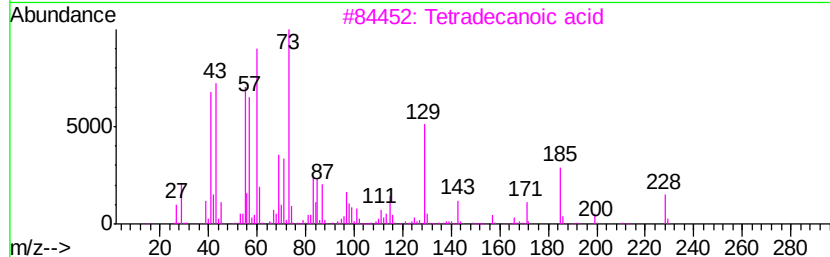
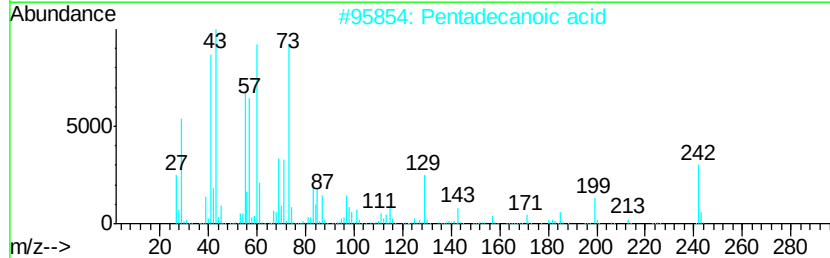
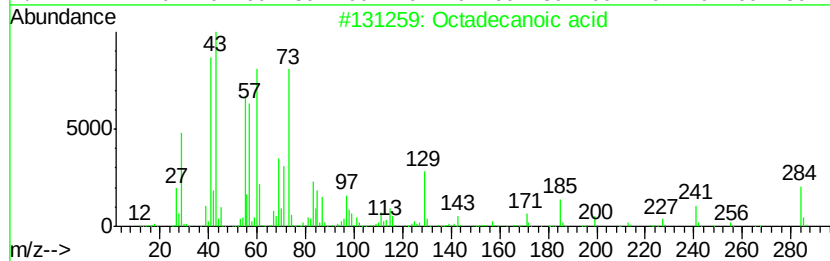
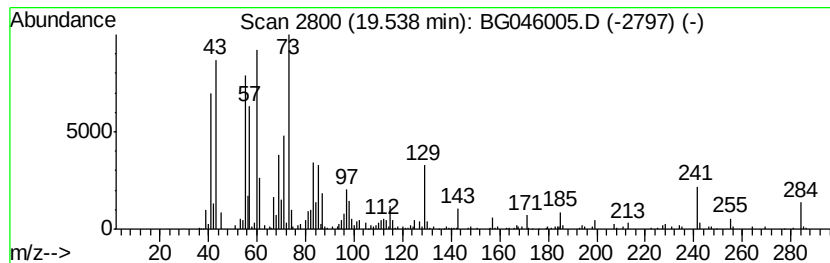
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	2.98 ng	445564	Chrysene-d12	21.62

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	91
4		Tridecanoic acid	214	C13H26O2	000638-53-9	83
5		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64



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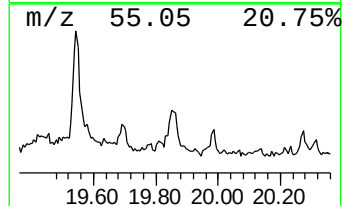
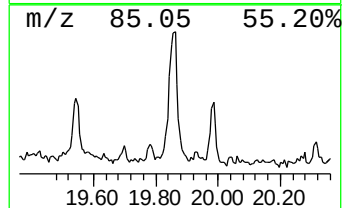
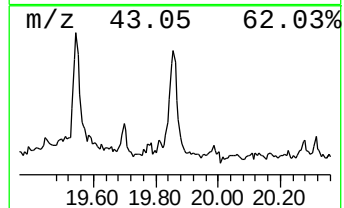
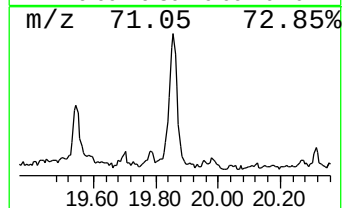
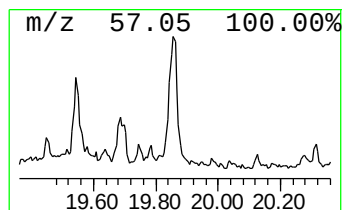
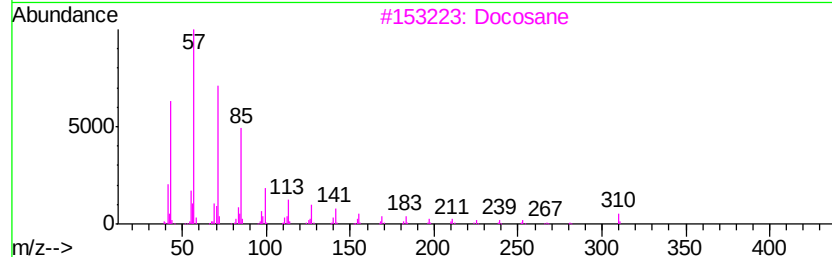
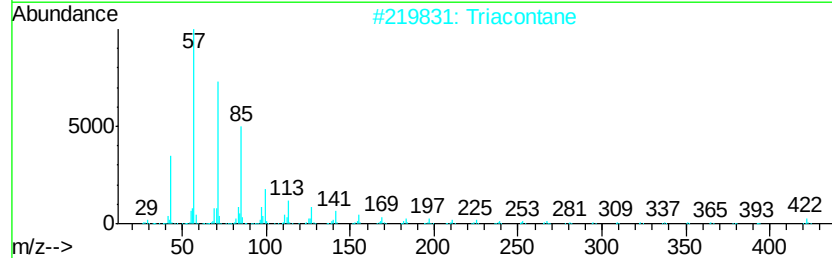
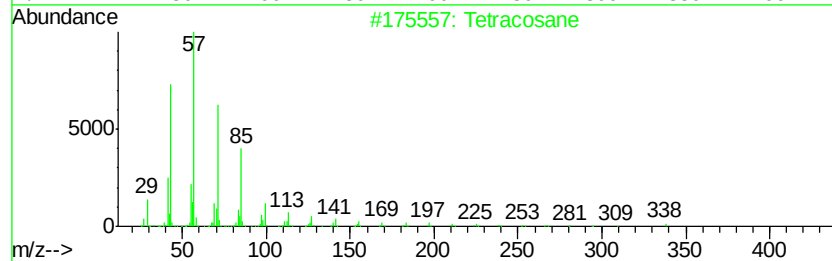
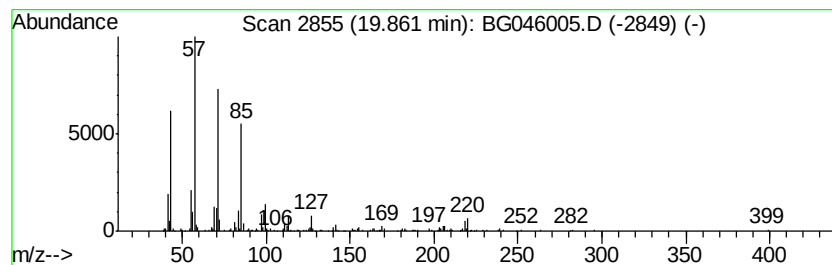
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	2.14 ng	319357	Chrysene-d12	21.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	87
2		Triacontane	422	C30H62	000638-68-6	86
3		Docosane	310	C22H46	000629-97-0	86
4		2-Bromotetradecane	276	C14H29Br	074036-95-6	86
5		Docosane, 11-butyl-	366	C26H54	013475-76-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
Data File : BG046005.D
Acq On : 10 Jul 2020 13:46
Operator : CG/JU
Sample : L3203-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

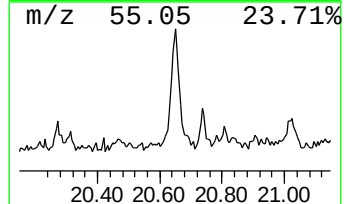
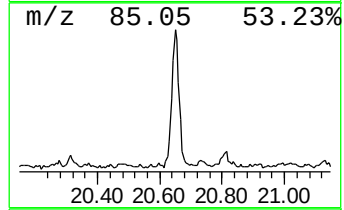
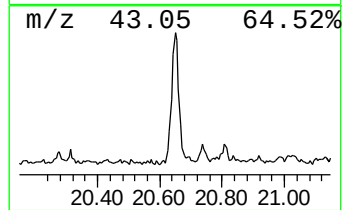
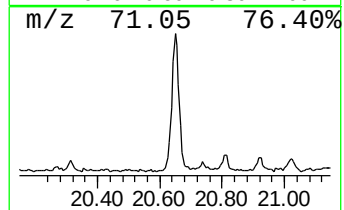
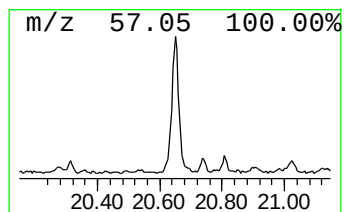
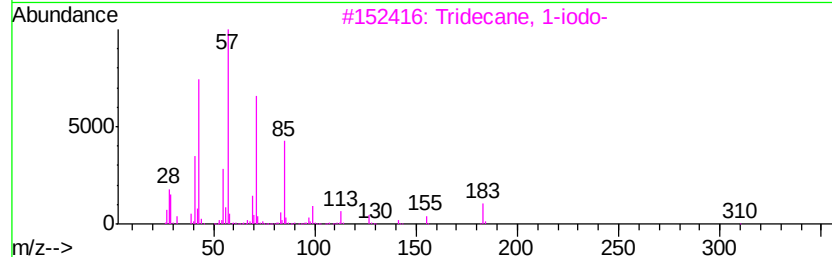
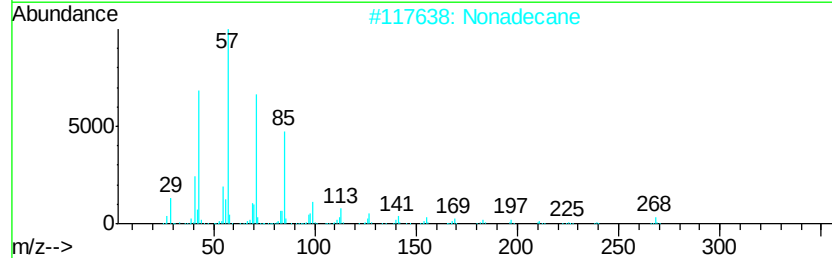
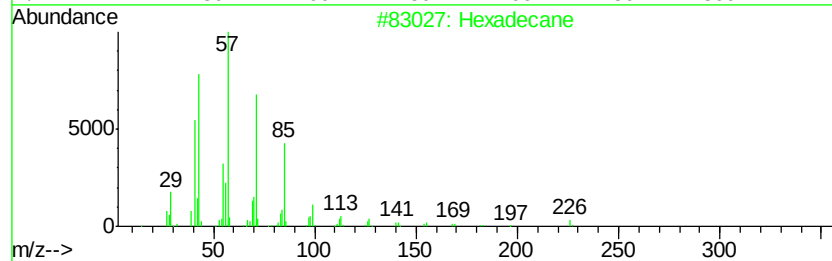
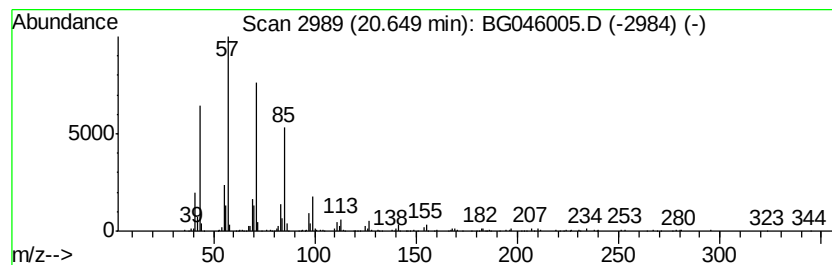
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
20.65	3.60 ng	537725	Chrysene-d12		21.62
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Nonadecane	268	C19H40	000629-92-5	86
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Heptacosane	380	C27H56	000593-49-7	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
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ALS Vial : 9 Sample Multiplier: 1

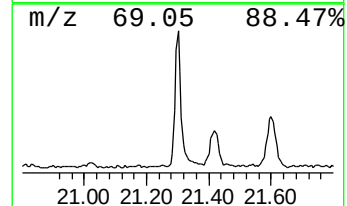
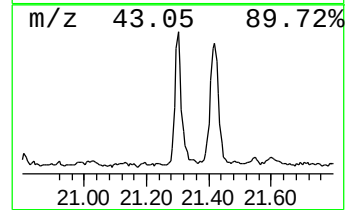
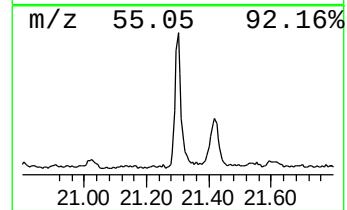
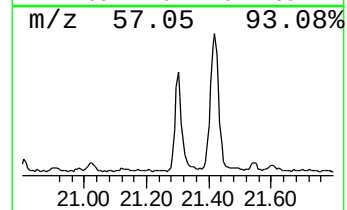
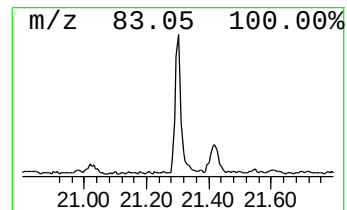
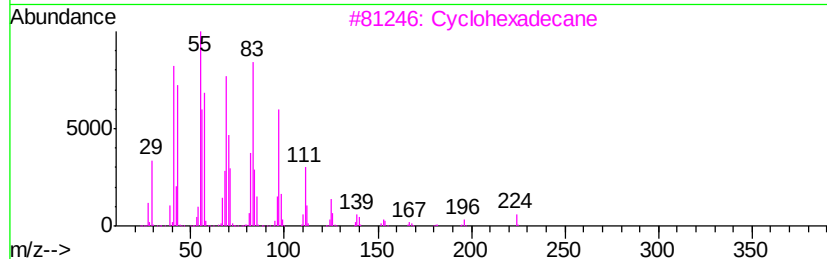
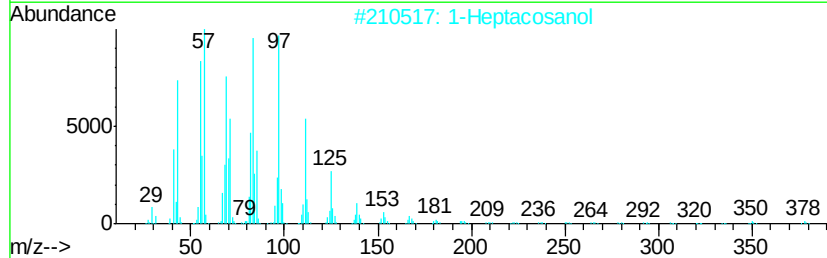
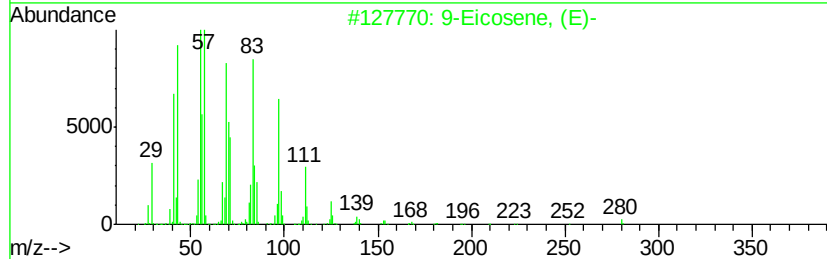
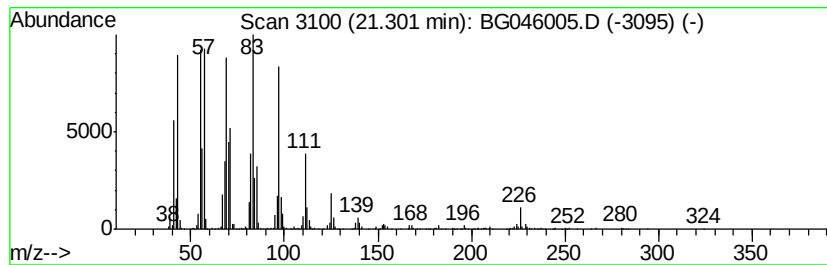
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	7.24 ng	1081030	Chrysene-d12	21.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9-Eicosene, (E)-	280 C20H40	074685-29-3	94
2	1-Heptacosanol	396 C27H56O	002004-39-9	94
3	Cyclohexadecane	224 C16H32	000295-65-8	93
4	Bromoacetic acid, octadecyl ester	390 C20H39BrO2	018992-03-5	91
5	n-Tetracosanol-1	354 C24H50O	000506-51-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
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Sample : L3203-17
Misc :
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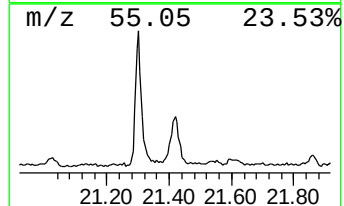
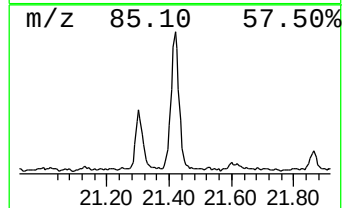
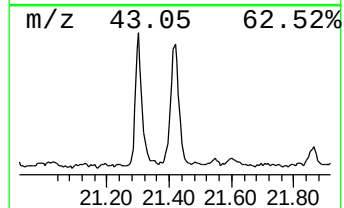
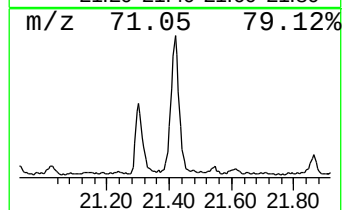
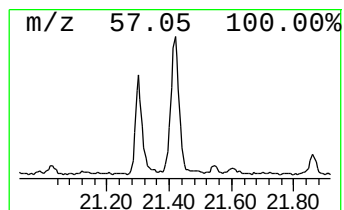
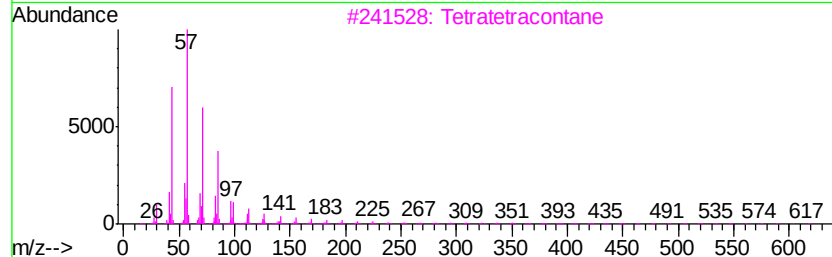
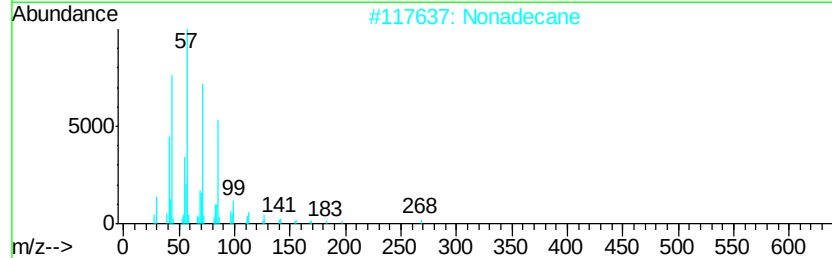
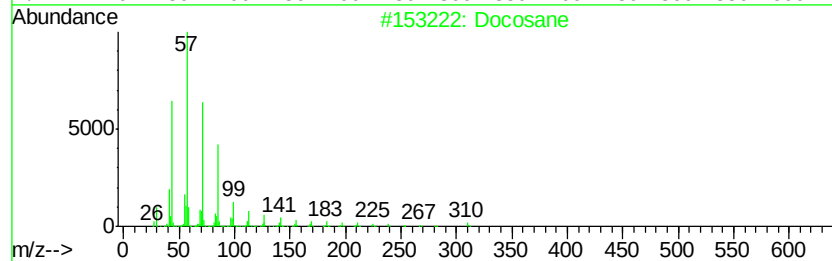
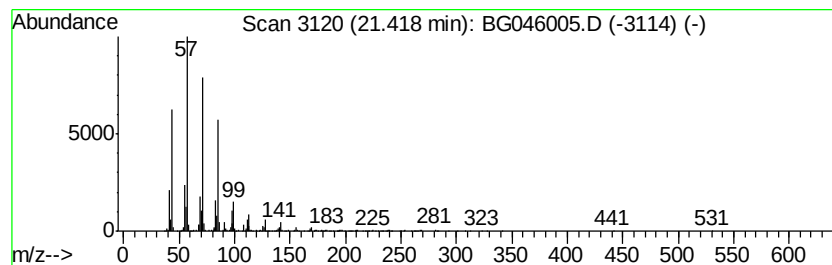
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Docosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
21.42	5.69 ng	850348	Chrysene-d12		21.62
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	90
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tetratetracontane	619	C44H90	007098-22-8	87
4	Hexatriacontane	507	C36H74	000630-06-8	87
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
Data File : BG046005.D
Acq On : 10 Jul 2020 13:46
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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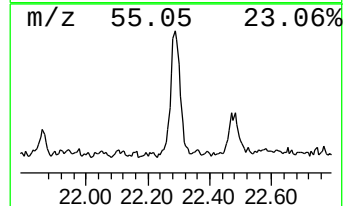
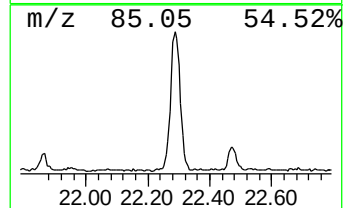
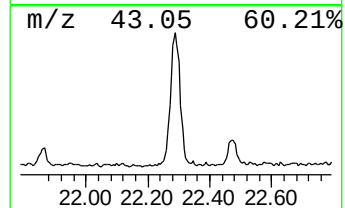
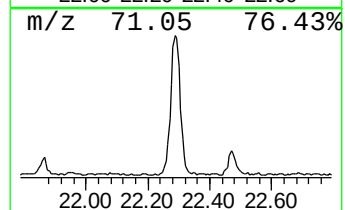
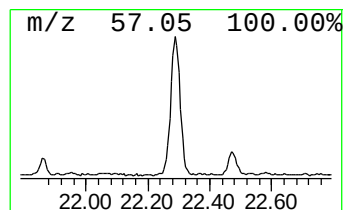
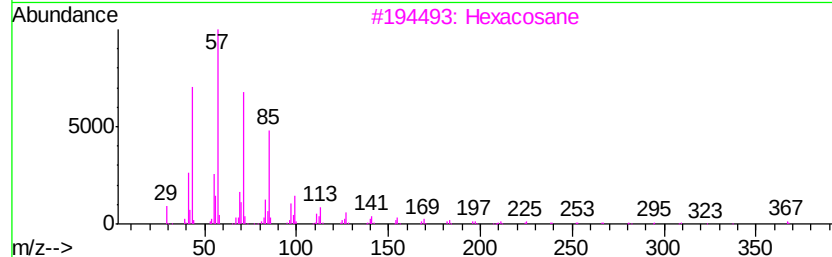
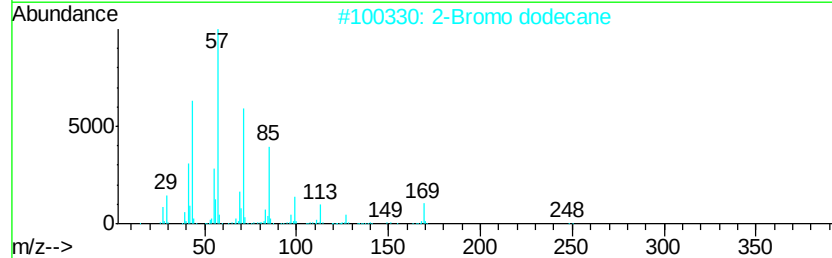
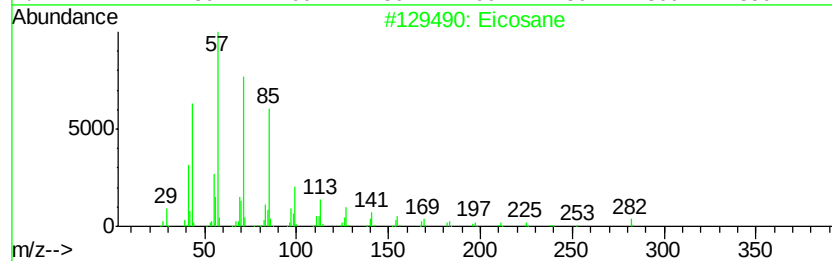
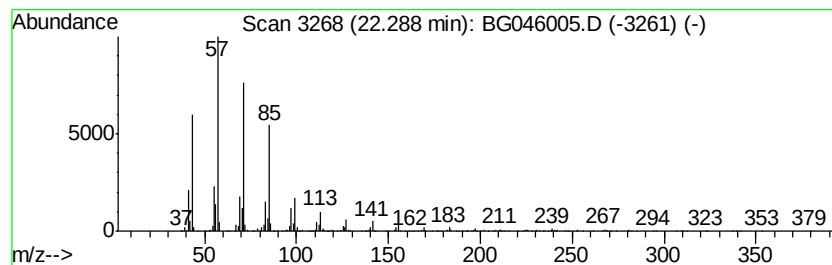
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	7.49 ng	1119310	Chrysene-d12	21.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	94
2	2-Bromo dodecane		248	C12H25Br	013187-99-0	93
3	Hexacosane		366	C26H54	000630-01-3	91
4	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	90
5	Heneicosane		296	C21H44	000629-94-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
Data File : BG046005.D
Acq On : 10 Jul 2020 13:46
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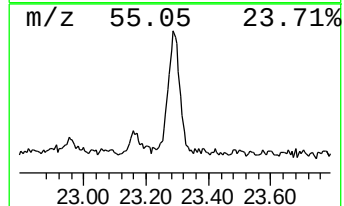
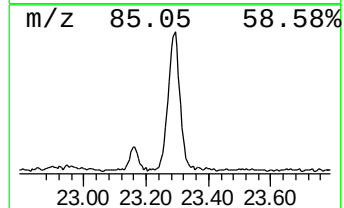
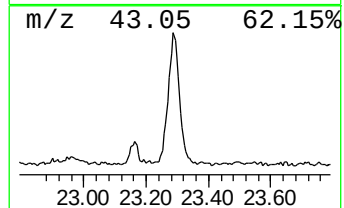
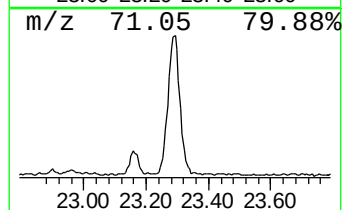
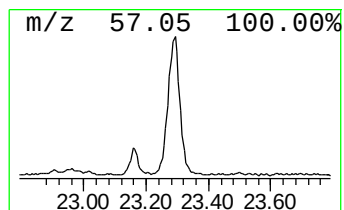
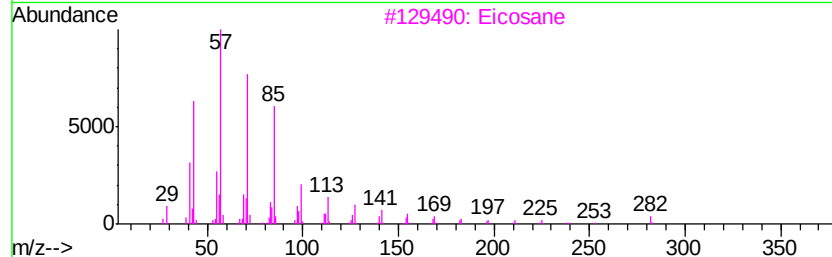
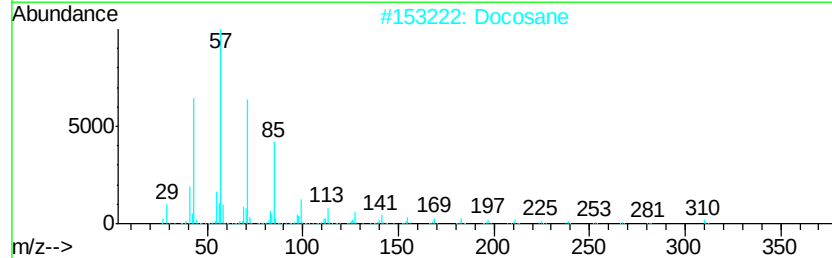
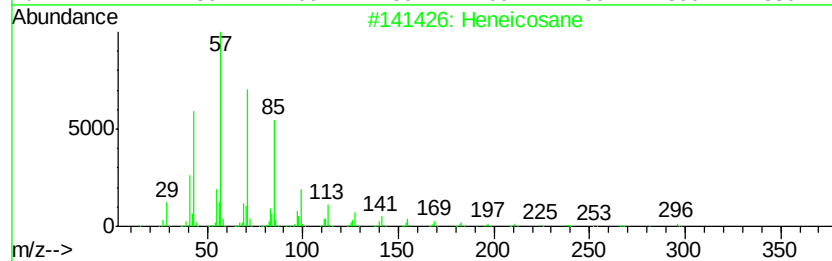
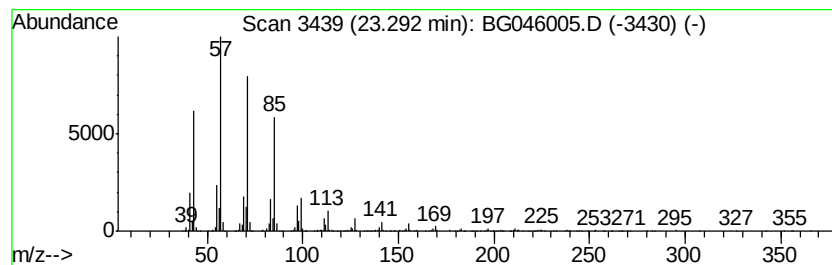
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	10.86 ng	1314220	Perylene-d12	24.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Docosane	310	C22H46	000629-97-0	90
3		Eicosane	282	C20H42	000112-95-8	90
4		2-methyltetracosane	352	C25H52	1000376-72-6	90
5		Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
Data File : BG046005.D
Acq On : 10 Jul 2020 13:46
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Sample : L3203-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

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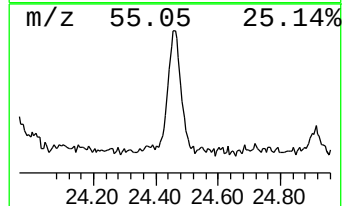
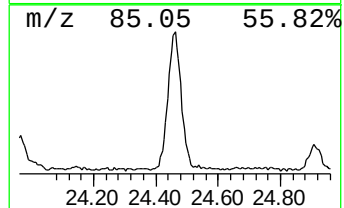
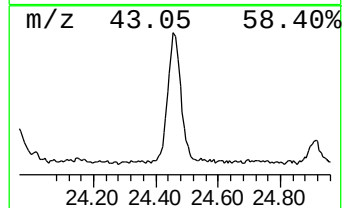
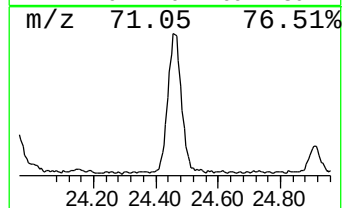
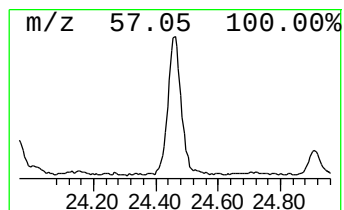
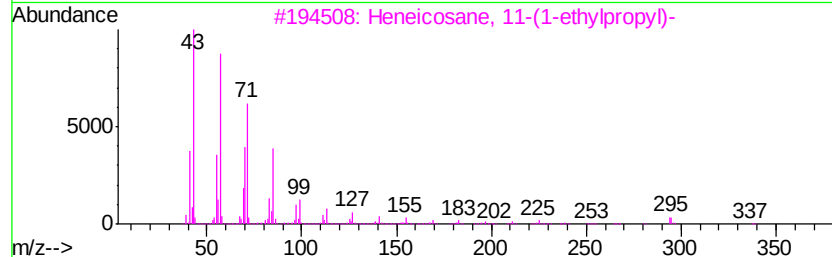
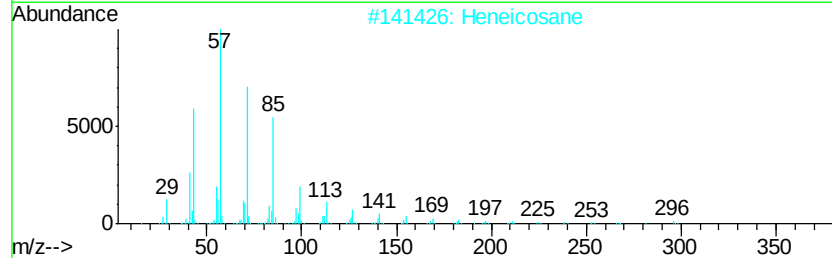
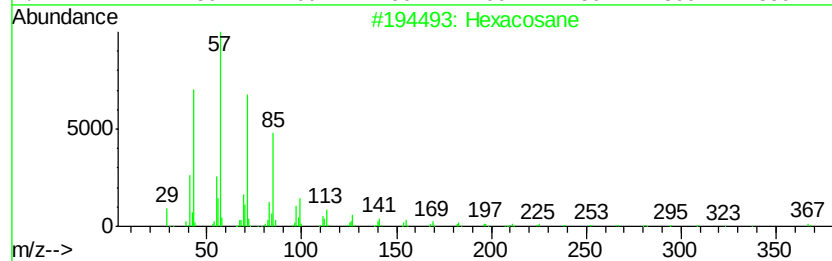
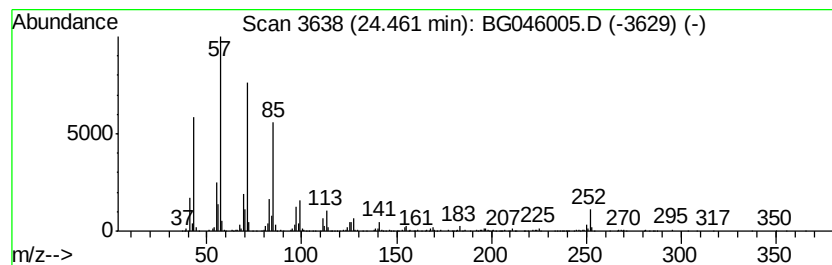
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heneicosane, 11-(1-ethylpro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.46	11.69 ng	1414860	Perylene-d12	24.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	90
2		Heneicosane	296	C21H44	000629-94-7	87
3		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
4		Tetradecane	198	C14H30	000629-59-4	87
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
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Misc :
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ClientSampleId :
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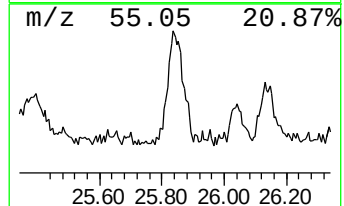
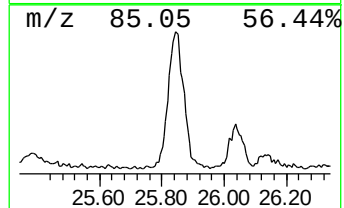
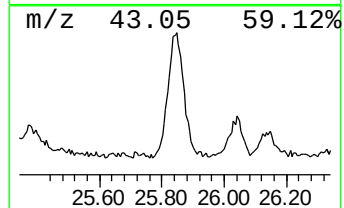
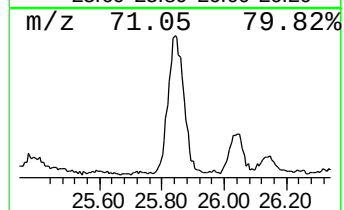
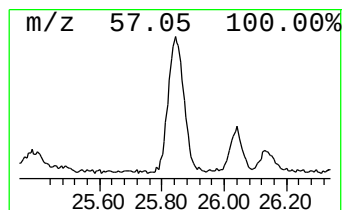
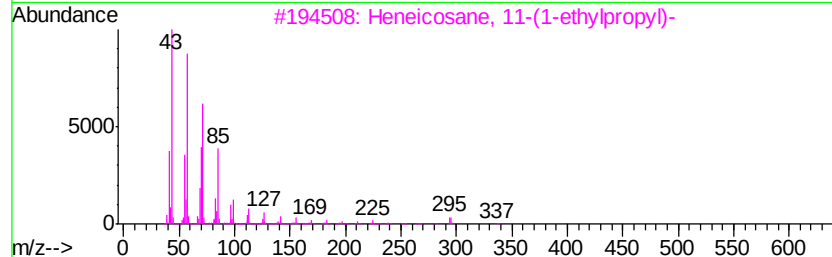
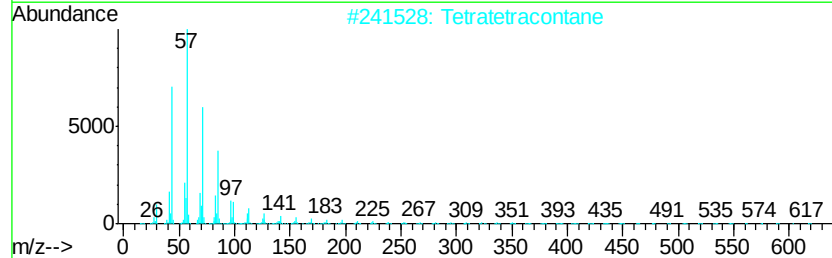
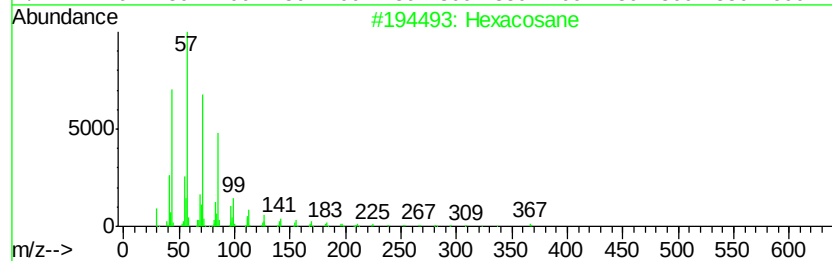
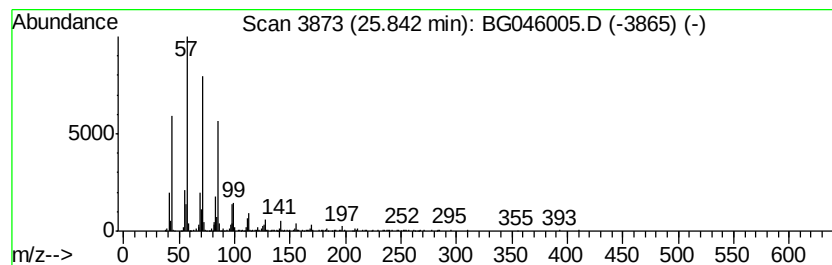
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.84	7.20 ng	871204	Perylene-d12	24.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	91
2		Tetratetracontane	619	C44H90	007098-22-8	91
3		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046005.D
 Acq On : 10 Jul 2020 13:46
 Operator : CG/JU
 Sample : L3203-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-16

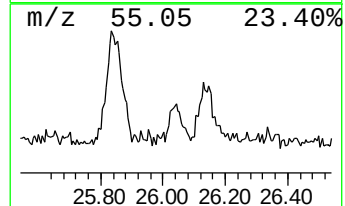
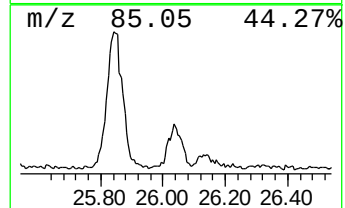
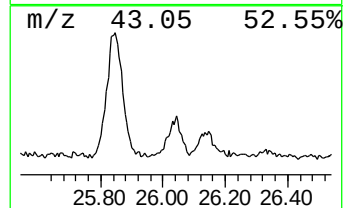
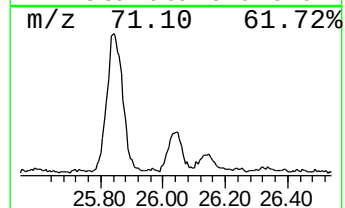
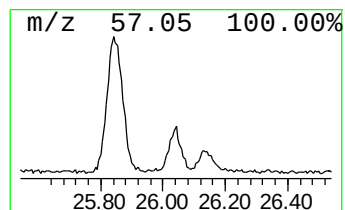
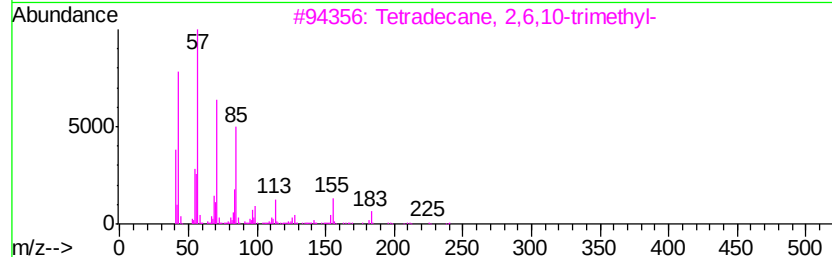
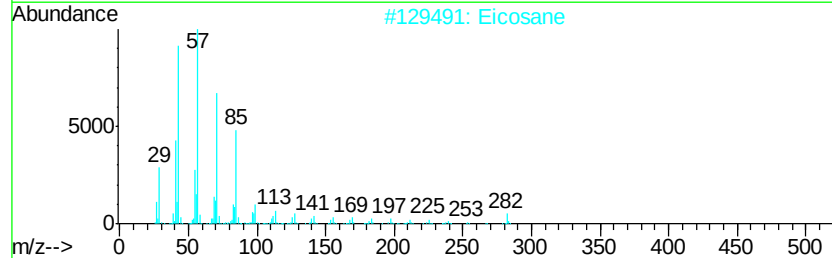
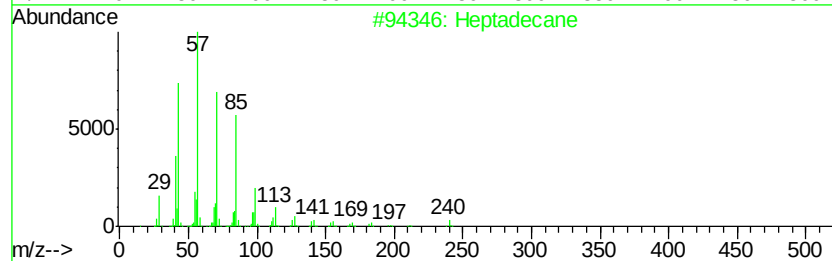
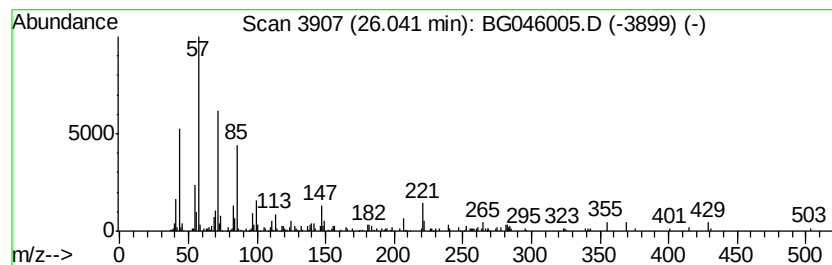
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 15 Tetradecane, 2,6,10-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.04	2.43 ng	293900	Perylene-d12	24.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	58
2		Eicosane	282	C20H42	000112-95-8	58
3		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	52
4		Hexadecane	226	C16H34	000544-76-3	50
5		Nonadecane	268	C19H40	000629-92-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071020\
 Data File : BG046005.D
 Acq On : 10 Jul 2020 13:46
 Operator : CG/JU
 Sample : L3203-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG070620.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...	3.22	9.1 ng		435483	1	8.01	962366	20.0
n-Hexadecanoic acid	18.28	6.3 ng		757511	4	17.36	2402760	20.0
2,4,4,6,6,8,8-Hep...	19.05	3.0 ng		356324	4	17.36	2402760	20.0
Octadecanoic acid	19.54	3.0 ng		445564	5	21.62	2988020	20.0
Tetracosane	19.86	2.1 ng		319357	5	21.62	2988020	20.0
Hexadecane	20.65	3.6 ng		537725	5	21.62	2988020	20.0
9-Eicosene, (E)-	21.30	7.2 ng		1081030	5	21.62	2988020	20.0
Docosane	21.42	5.7 ng		850348	5	21.62	2988020	20.0
Eicosane	22.29	7.5 ng		1119310	5	21.62	2988020	20.0
Heneicosane	23.29	10.9 ng		1314220	6	24.78	2419870	20.0
Heneicosane, 11-(...	24.46	11.7 ng		1414860	6	24.78	2419870	20.0
Hexacosane	25.84	7.2 ng		871204	6	24.78	2419870	20.0
Tetradecane, 2,6,...	26.04	2.4 ng		293900	6	24.78	2419870	20.0