

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024707.D
 Acq On : 03 Feb 2020 20:00
 Operator : CG/JU
 Sample : L1016-15 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-013120

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_M\METHODS\8270-BM012320.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.069	365	371	384	rBV	1696746	2495673	19.67%	3.246%
2	6.628	628	636	649	rBV	1597948	2546399	20.07%	3.312%
3	7.422	764	771	780	rBV	1011682	1610288	12.69%	2.095%
4	7.739	816	825	832	rBV	1610011	2496664	19.68%	3.248%
5	8.563	952	965	974	rBV	1074180	1770405	13.96%	2.303%
6	10.181	1232	1240	1249	rBV	1312864	2241981	17.67%	2.916%
7	11.380	1437	1444	1449	rBV2	81916	146245	1.15%	0.190%
8	11.657	1487	1491	1497	rBV	111185	169861	1.34%	0.221%
9	12.127	1566	1571	1576	rBV	101472	168128	1.33%	0.219%
10	12.686	1660	1666	1672	rVB	2966411	4191621	33.04%	5.452%
11	12.933	1704	1708	1713	rVV	167581	216576	1.71%	0.282%
12	14.021	1889	1893	1897	rBV	236945	320447	2.53%	0.417%
13	14.074	1897	1902	1909	rVB	1987287	2897589	22.84%	3.769%
14	14.245	1922	1931	1936	rBV	1143711	1471032	11.60%	1.913%
15	14.651	1996	2000	2005	rVB5	89713	140278	1.11%	0.182%
16	14.986	2053	2057	2064	rVB	285538	345718	2.73%	0.450%
17	15.398	2119	2127	2131	rBV	93980	204878	1.62%	0.266%
18	15.574	2148	2157	2167	rBV	2434819	3598089	28.37%	4.680%
19	15.851	2200	2204	2207	rBV	287384	354868	2.80%	0.462%
20	16.033	2231	2235	2240	rBV	695964	802682	6.33%	1.044%
21	16.645	2335	2339	2343	rVV	275919	317601	2.50%	0.413%
22	16.698	2344	2348	2354	rVB2	103012	149081	1.18%	0.194%
23	16.827	2364	2370	2375	rBV	2345687	3243016	25.57%	4.218%
24	16.868	2375	2377	2383	rVB	213838	251161	1.98%	0.327%
25	16.957	2389	2392	2399	rVB	86169	134659	1.06%	0.175%
26	17.380	2460	2464	2468	rBV	249848	313592	2.47%	0.408%
27	17.551	2488	2493	2500	rVB	2883959	3287319	25.92%	4.276%
28	17.768	2525	2530	2536	rBV2	306940	447020	3.52%	0.581%
29	18.074	2578	2582	2586	rVB	187104	201697	1.59%	0.262%
30	18.698	2683	2688	2691	rBV	6201560	7756955	61.15%	10.090%
31	18.733	2691	2694	2698	rVV	10313293	12684716	100.00%	16.500%
32	18.762	2698	2699	2706	rVB2	687139	763981	6.02%	0.994%
33	18.874	2713	2718	2720	rBV	1161527	1459709	11.51%	1.899%
34	18.898	2720	2722	2727	rVB	432424	500702	3.95%	0.651%

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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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35	18.945	2727	2730	2737	rBV	391282	559458	4.41%	0.728%
36	19.262	2777	2784	2788	rBV	400137	784233	6.18%	1.020%
37	19.303	2788	2791	2795	rVB	198641	215147	1.70%	0.280%
38	19.486	2817	2822	2830	rBV	4824396	5817612	45.86%	7.567%
39	19.739	2862	2865	2867	rBV2	184178	203636	1.61%	0.265%
40	19.768	2868	2870	2879	rVV2	194811	362948	2.86%	0.472%
41	19.845	2880	2883	2884	rVV	185289	191268	1.51%	0.249%
42	19.868	2884	2887	2892	rVB2	321200	409152	3.23%	0.532%
43	19.980	2904	2906	2909	rBV	147136	140863	1.11%	0.183%
44	20.797	3042	3045	3050	rVB2	538168	669404	5.28%	0.871%
45	21.039	3081	3086	3090	rBV	3052449	3978230	31.36%	5.175%
46	23.150	3440	3445	3452	rVB	2226761	3844886	30.31%	5.001%

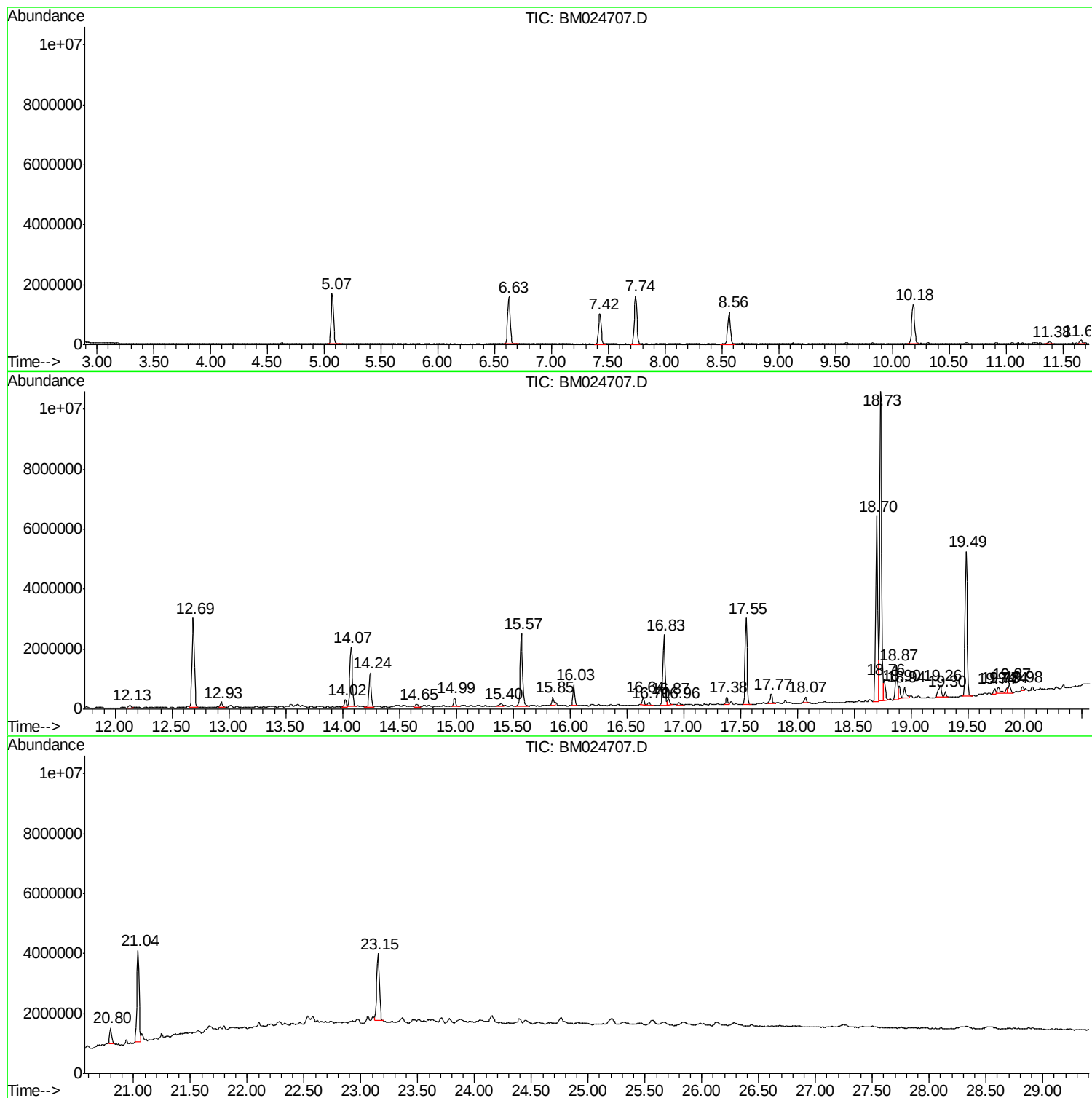
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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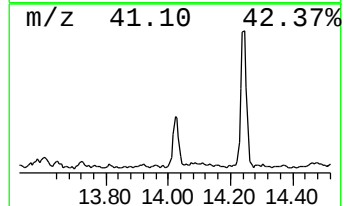
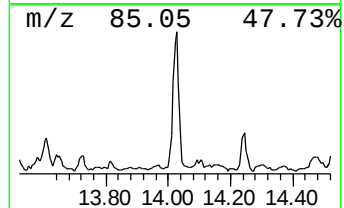
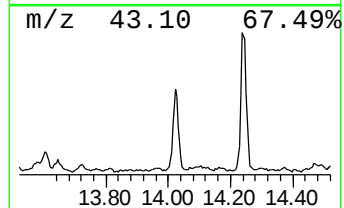
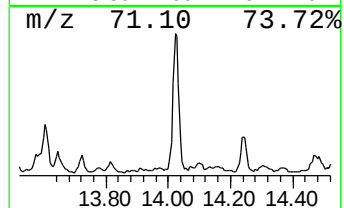
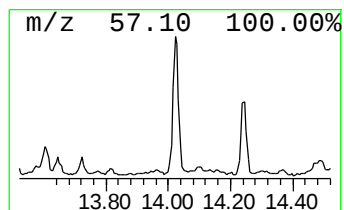
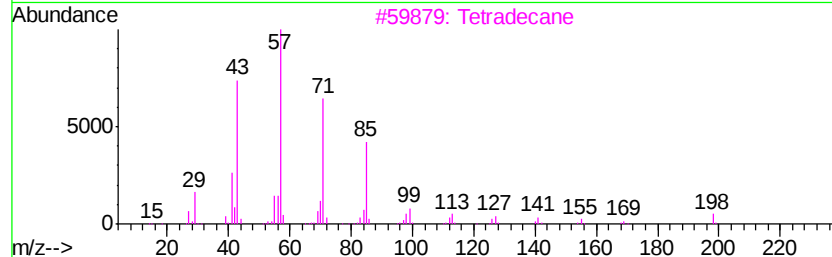
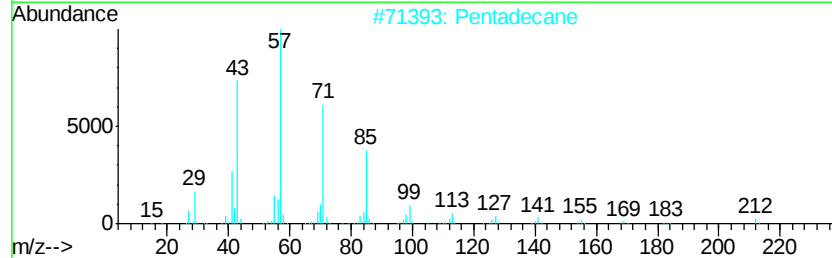
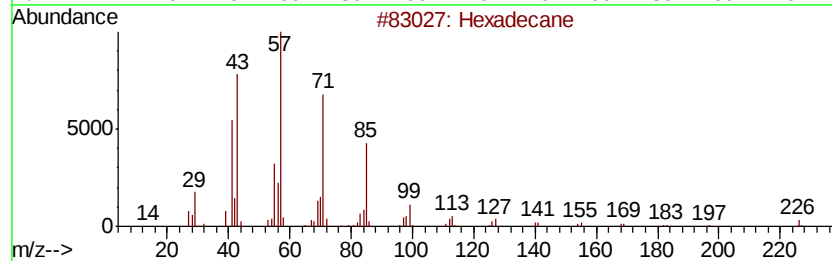
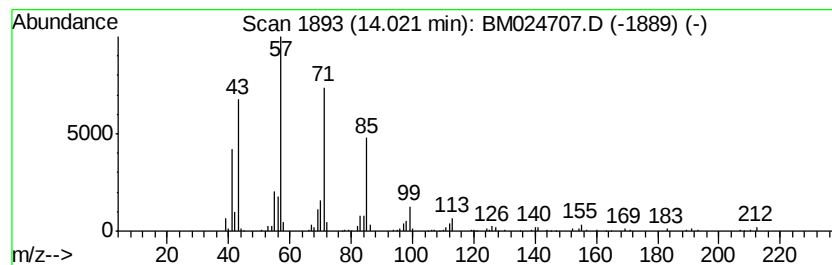
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.21 ng	320447	Acenaphthene-d10	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Pentadecane	212 C15H32	000629-62-9	90
3	Tetradecane	198 C14H30	000629-59-4	90
4	Nonadecane, 9-methyl-	282 C20H42	013287-24-6	90
5	Eicosane	282 C20H42	000112-95-8	86



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Instrument :
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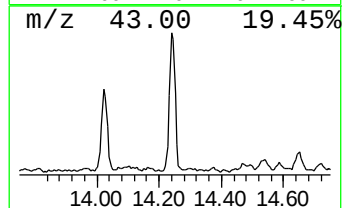
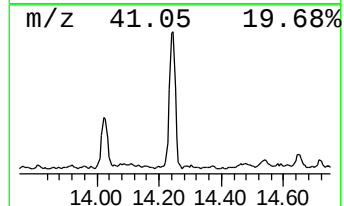
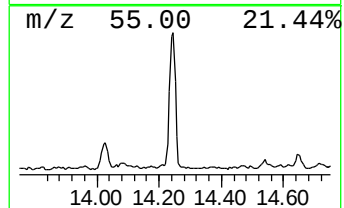
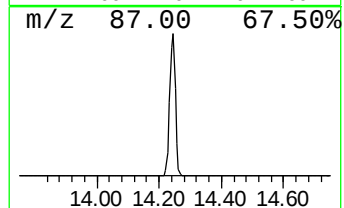
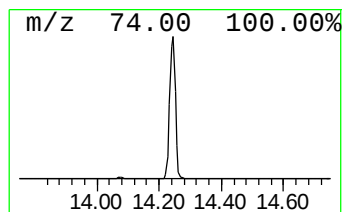
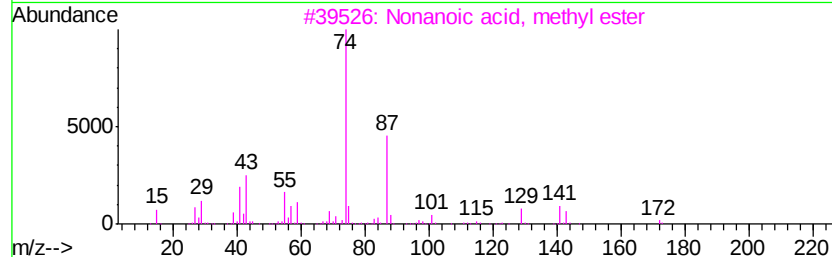
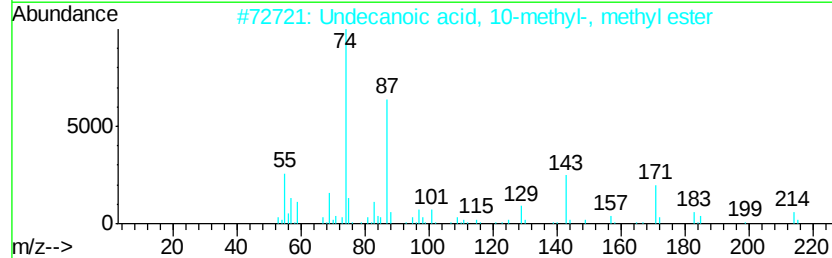
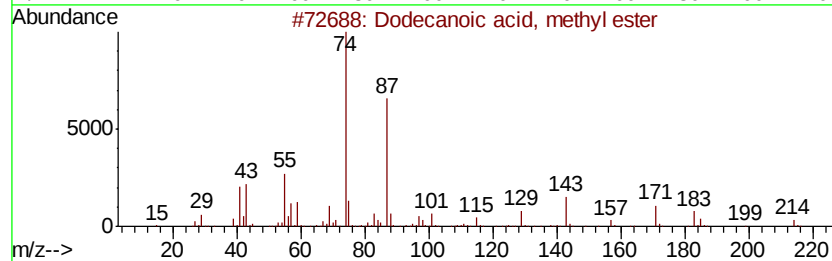
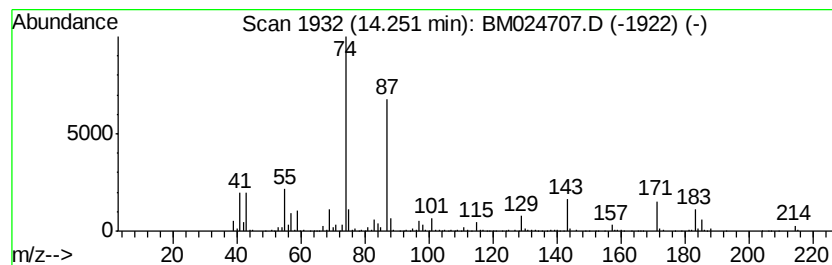
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	10.15 ng	1471030	Acenaphthene-d10	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	98
2		Undecanoic acid, 10-methyl-, met...	214	C13H26O2	005129-56-6	87
3		Nonanoic acid, methyl ester	172	C10H20O2	001731-84-6	74
4		Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	72
5		Undecanoic acid, methyl ester	200	C12H24O2	001731-86-8	72



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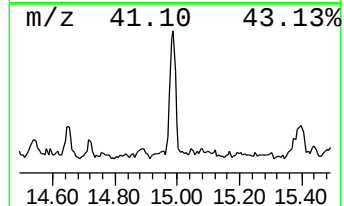
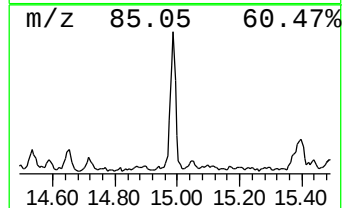
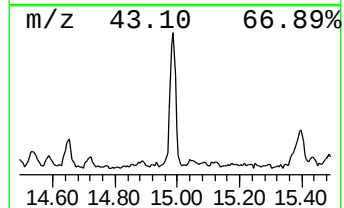
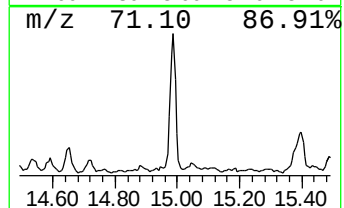
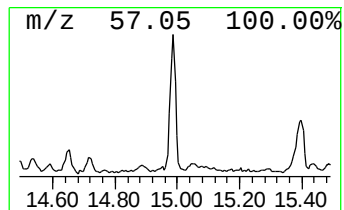
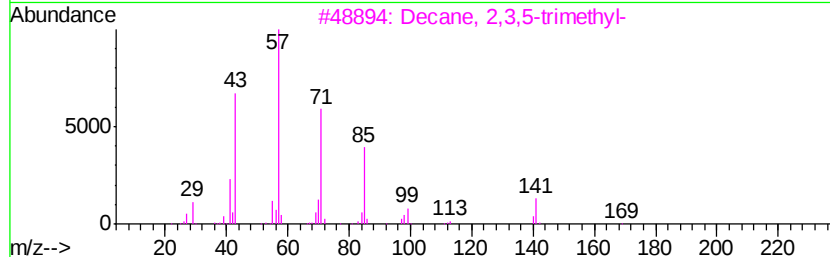
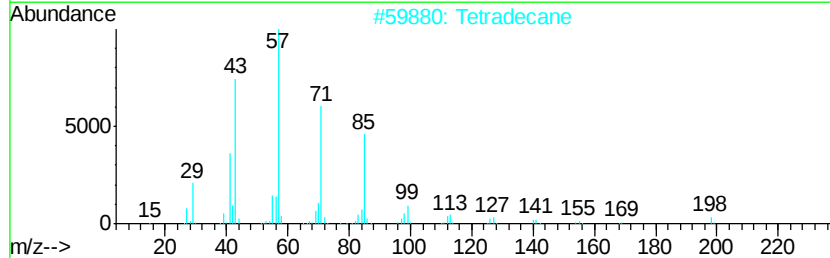
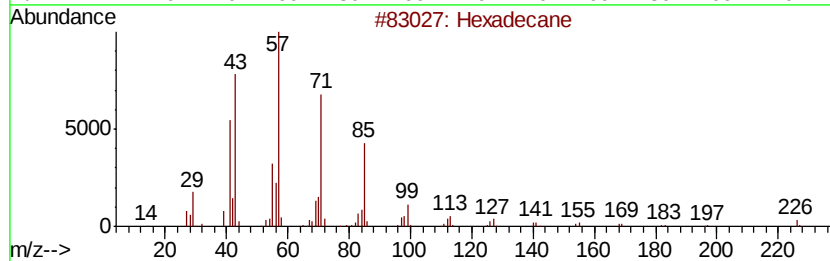
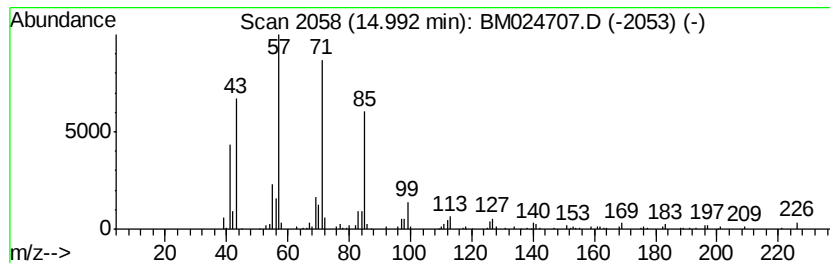
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.39 ng	345718	Acenaphthene-d10	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	92
2		Tetradecane	198	C14H30	000629-59-4	90
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
4		Heptadecane	240	C17H36	000629-78-7	80
5		Pentadecane	212	C15H32	000629-62-9	64



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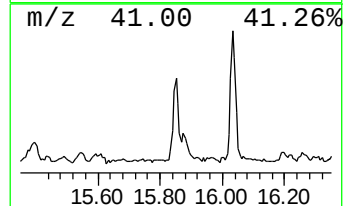
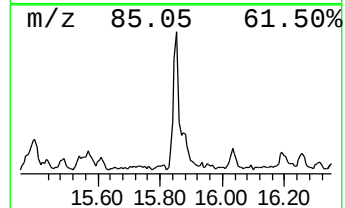
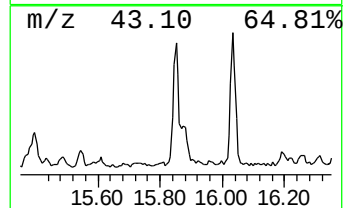
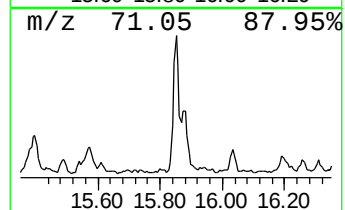
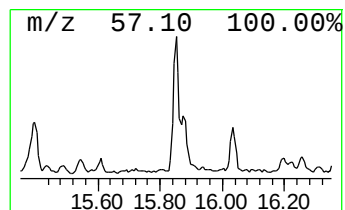
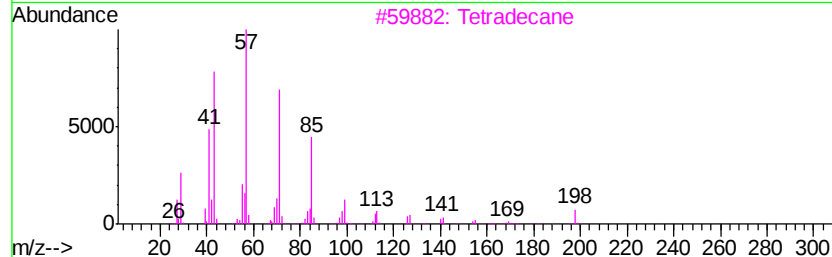
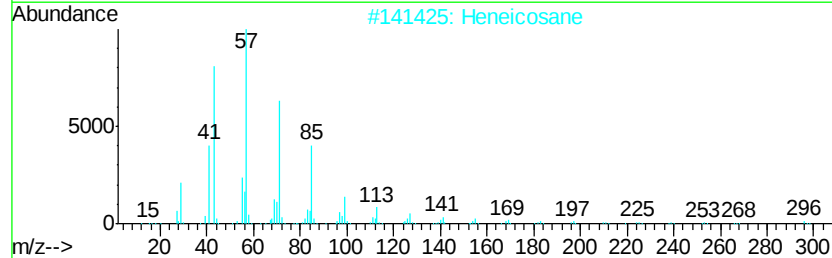
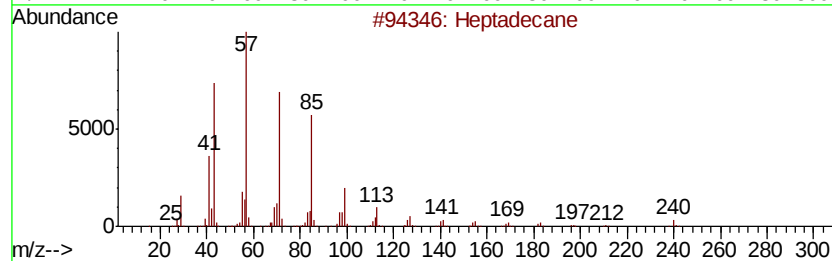
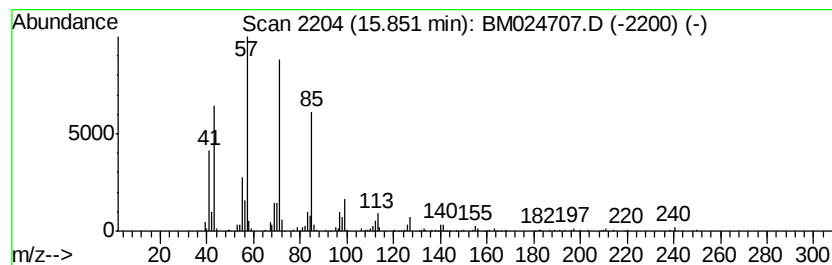
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.85	2.19 ng	354868	Phenanthrene-d10		16.83
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86
5	Heptacosane	380	C27H56	000593-49-7	86



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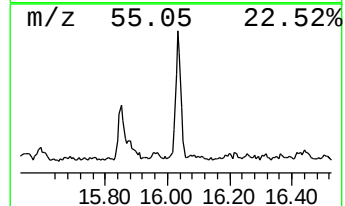
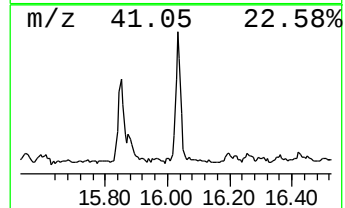
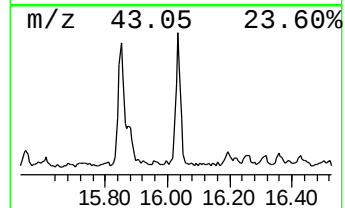
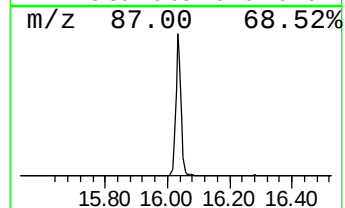
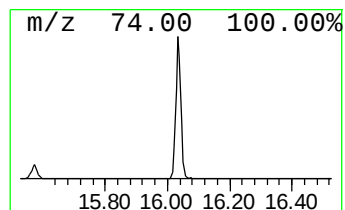
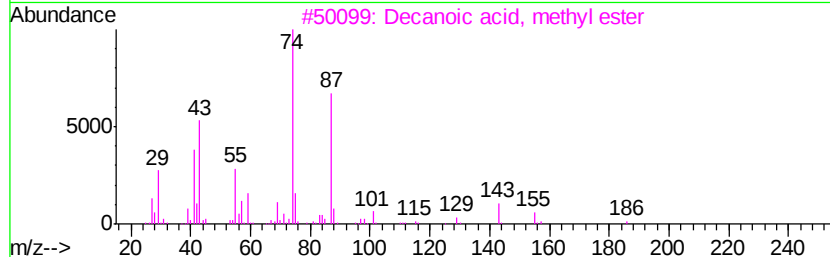
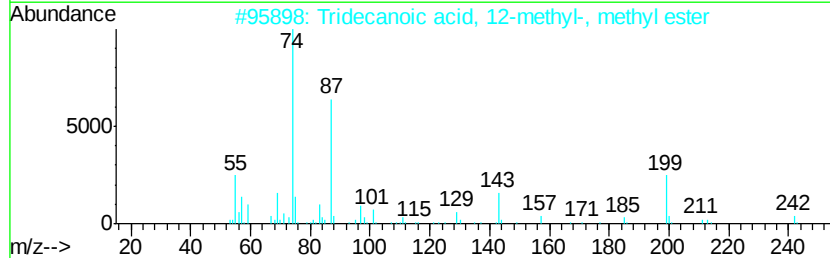
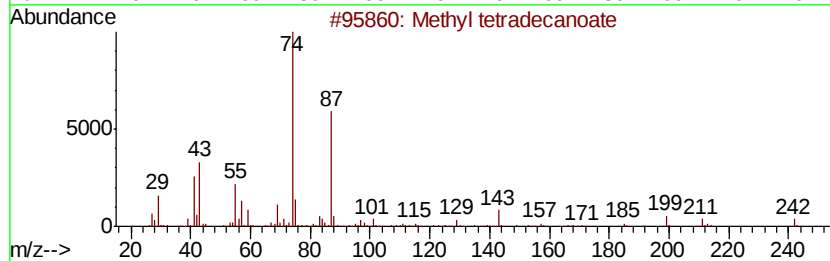
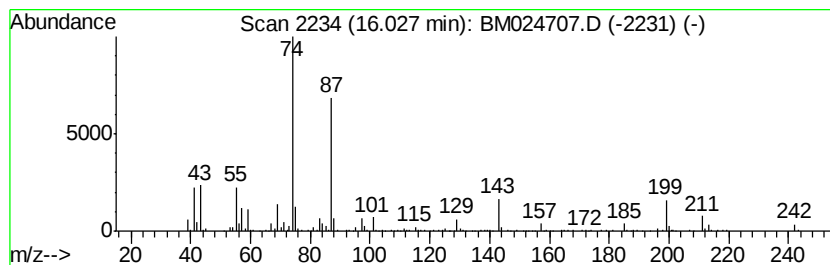
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Methyl tetradecanoate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.03	4.95 ng	802682	Phenanthrene-d10	16.83	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
2	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	92
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81
4	Methyl 8-methyl-nonanoate	186	C11H22O2	1000336-43-6	76
5	Nonanoic acid, methyl ester	172	C10H20O2	001731-84-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024707.D
Acq On : 03 Feb 2020 20:00
Operator : CG/JU
Sample : L1016-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-013120

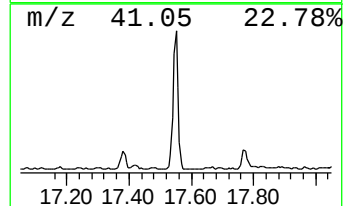
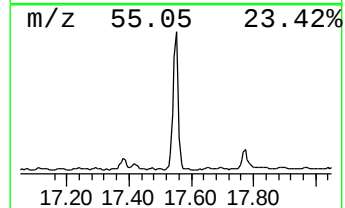
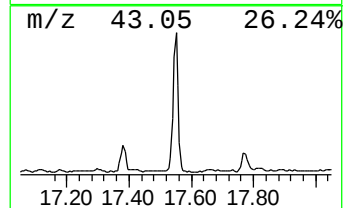
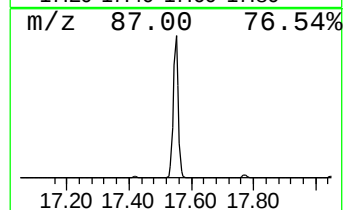
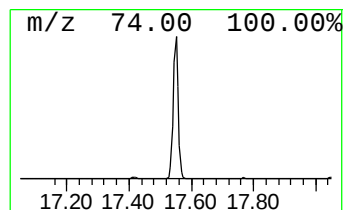
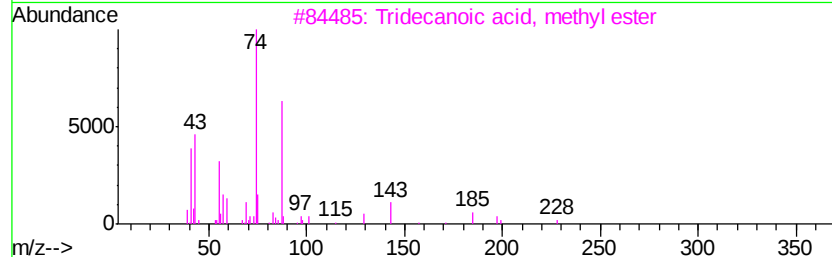
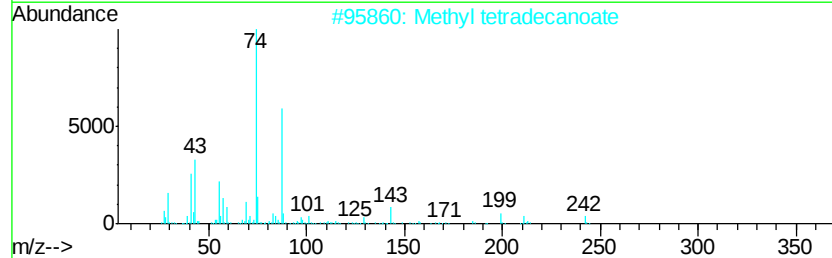
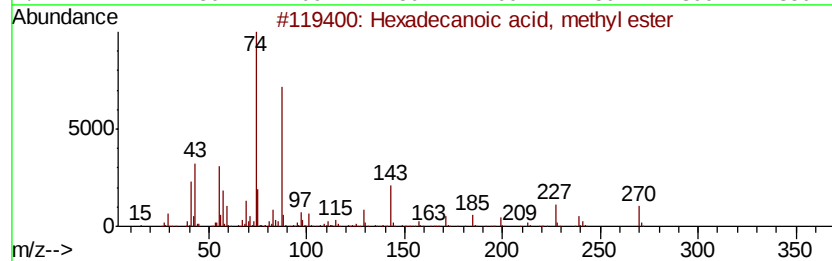
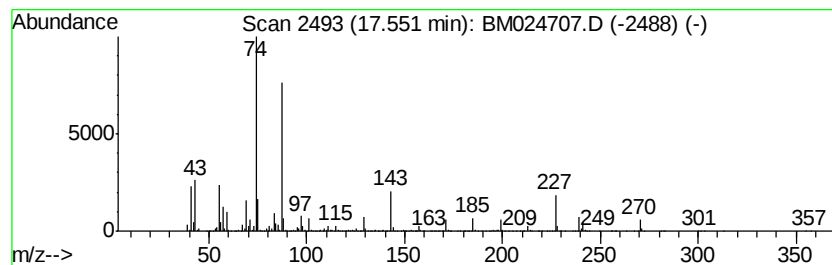
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	20.27 ng	3287320	Phenanthrene-d10	16.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2		Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
4		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87
5		Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024707.D
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Operator : CG/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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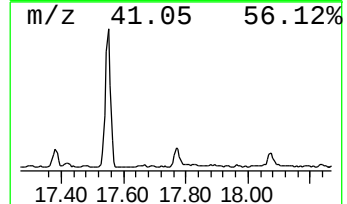
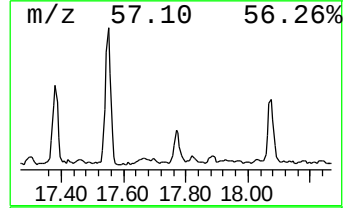
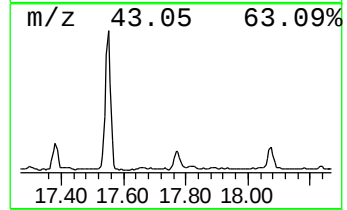
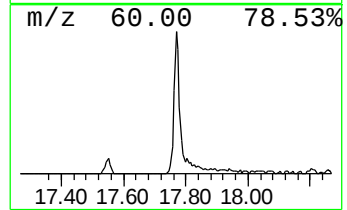
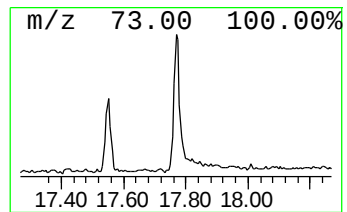
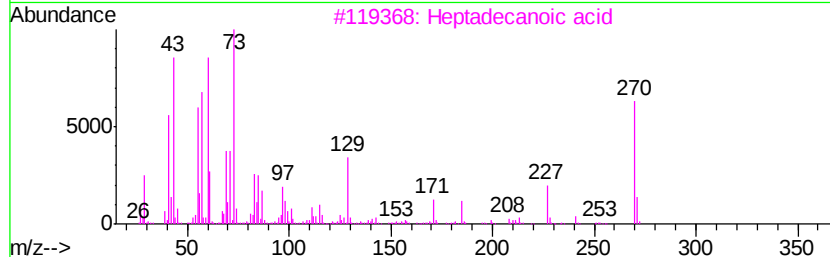
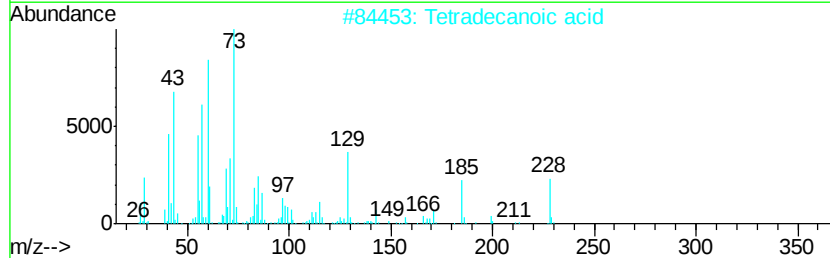
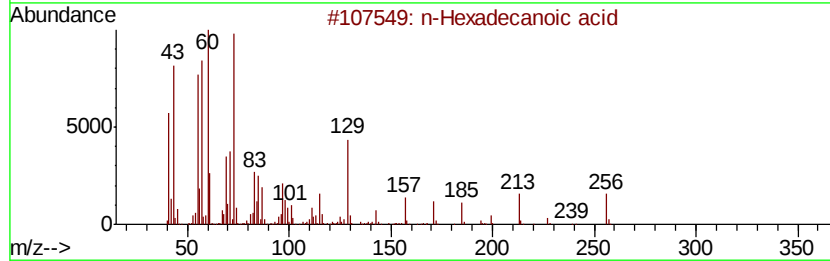
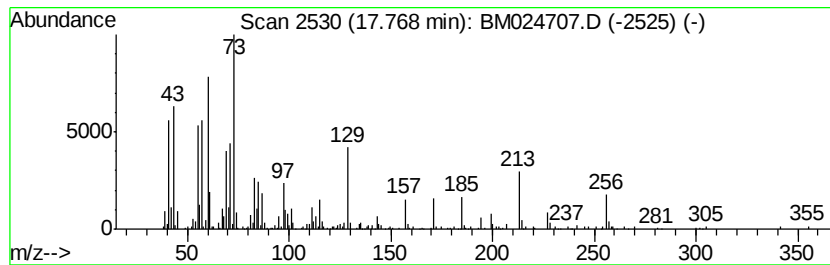
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.76 ng	447020	Phenanthrene-d10	16.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	92
3		Heptadecanoic acid	270	C17H34O2	000506-12-7	87
4		Tridecanoic acid	214	C13H26O2	000638-53-9	76
5		Octadecanoic acid	284	C18H36O2	000057-11-4	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024707.D
Acq On : 03 Feb 2020 20:00
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Sample : L1016-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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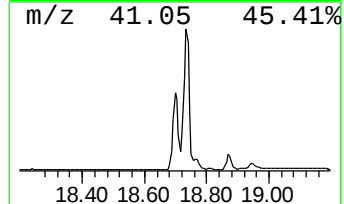
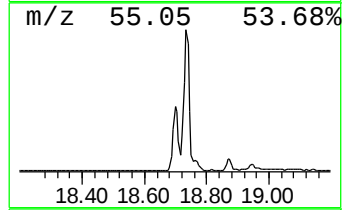
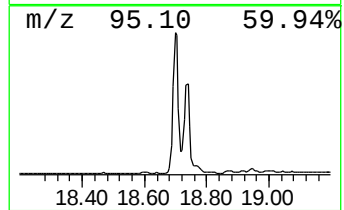
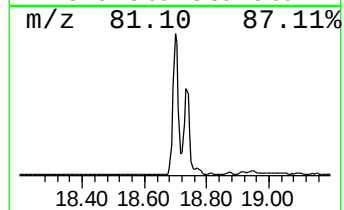
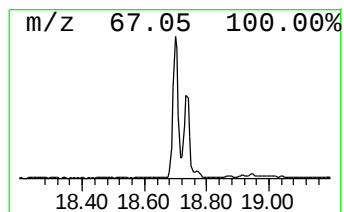
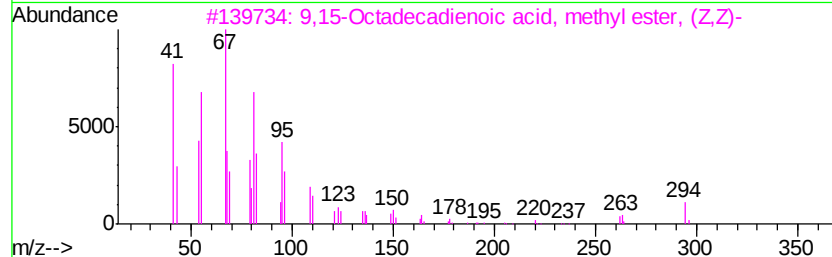
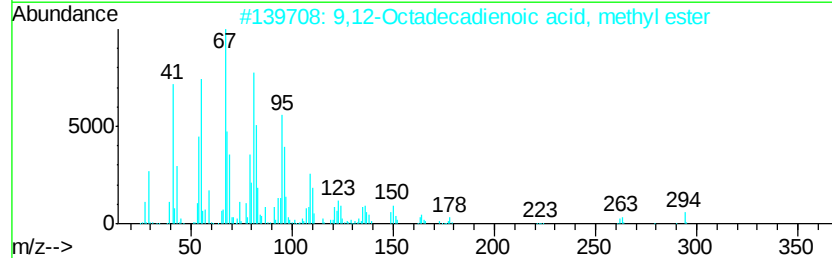
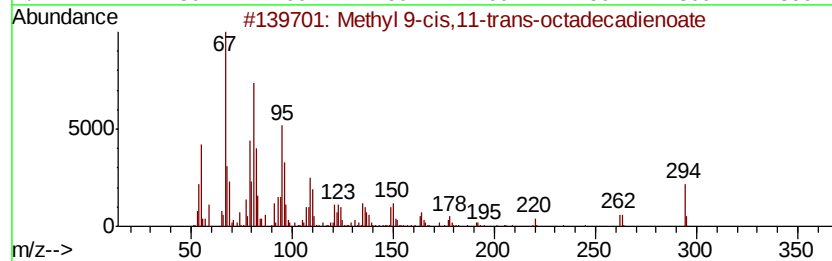
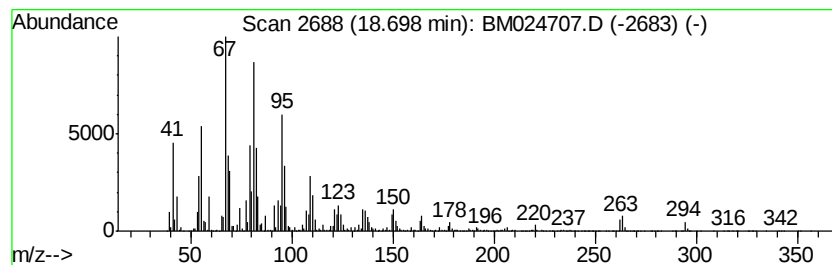
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Methyl 9-cis,11-trans-octad... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	47.84 ng	7756960	Phenanthrene-d10	16.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
2		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3		9,15-Octadecadienoic acid, methv...	294	C19H34O2	017309-05-6	99
4		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
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Operator : CG/JU
Sample : L1016-15 2X
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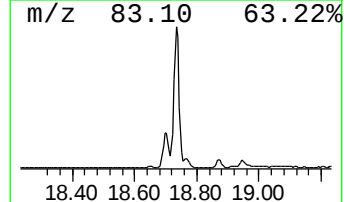
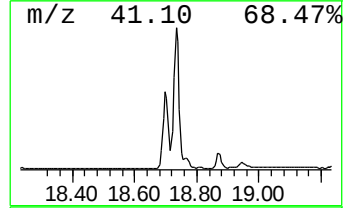
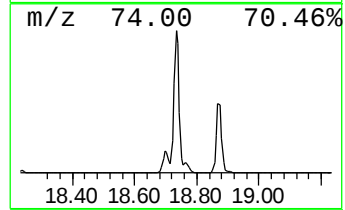
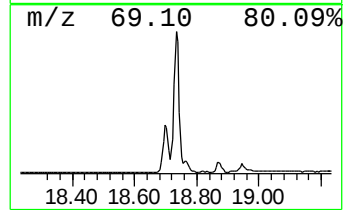
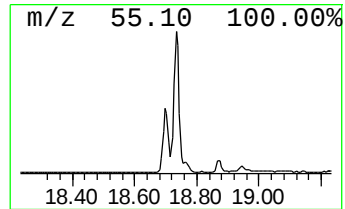
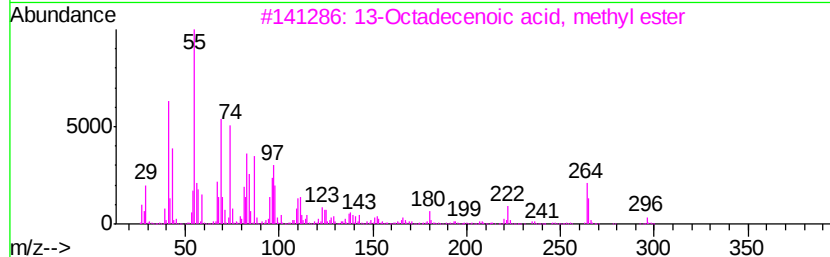
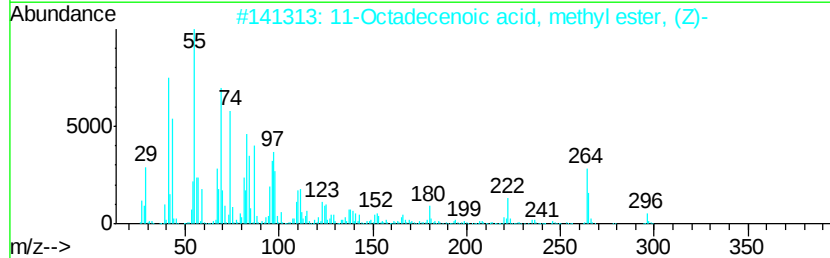
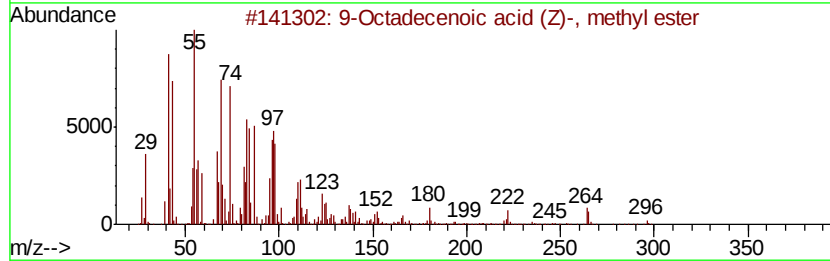
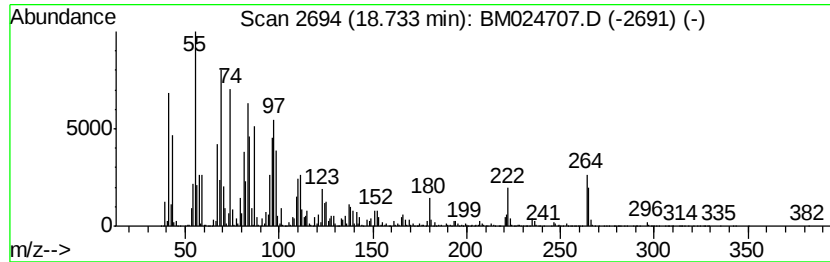
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.73	78.23 ng	12684700	Phenanthrene-d10	16.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2		11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3		13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4		15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5		14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024707.D
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Sample : L1016-15 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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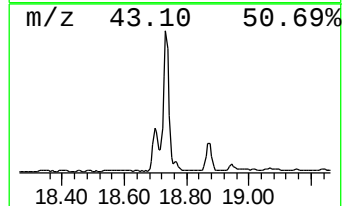
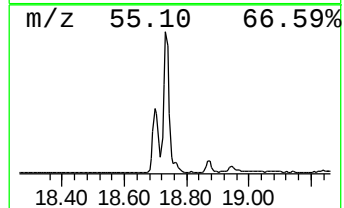
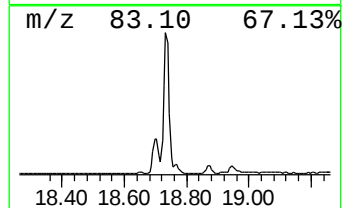
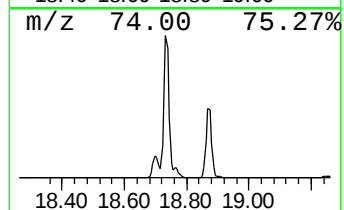
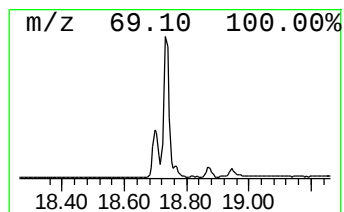
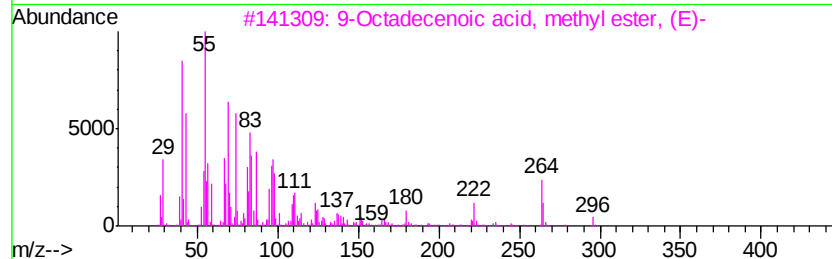
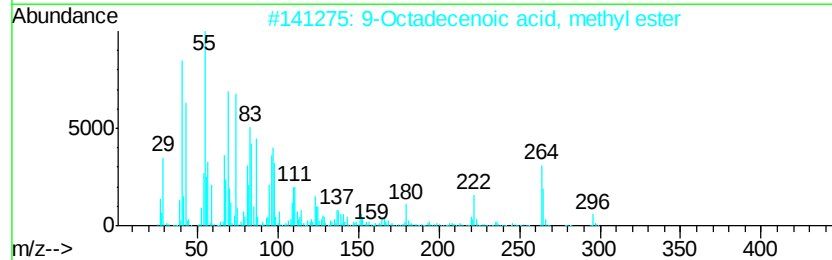
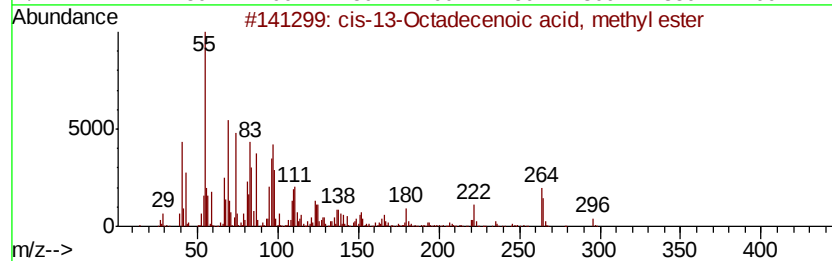
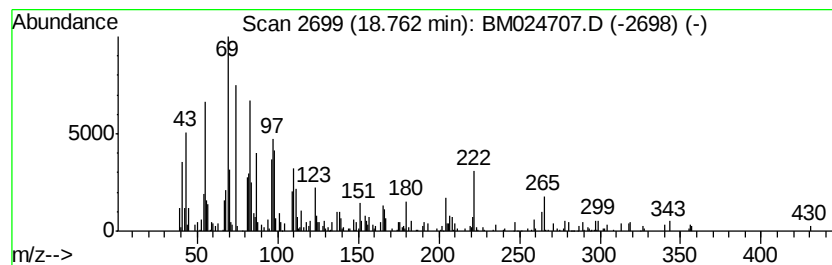
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 cis-13-Octadecenoic acid, m... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	4.71 ng	763981	Phenanthrene-d10	16.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	58
2			9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	58
3			9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	53
4			8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	46
5			17-Octadecynoic acid, methyl ester	294	C19H34O2	1000333-54-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
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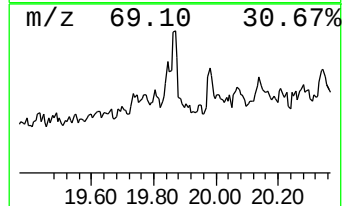
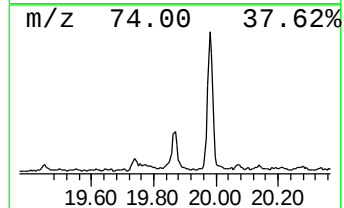
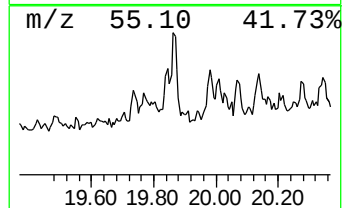
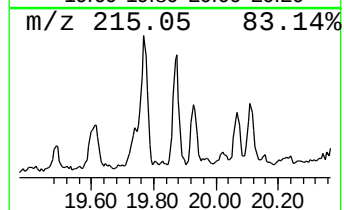
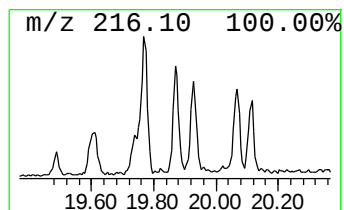
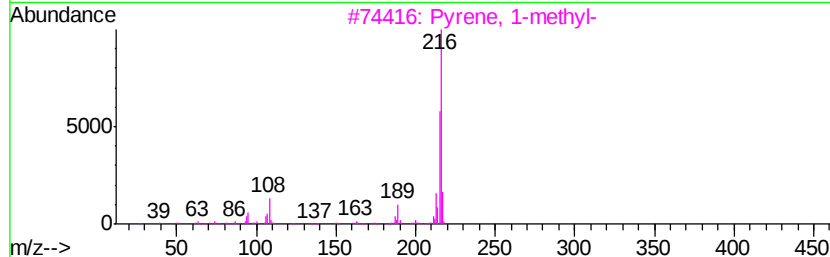
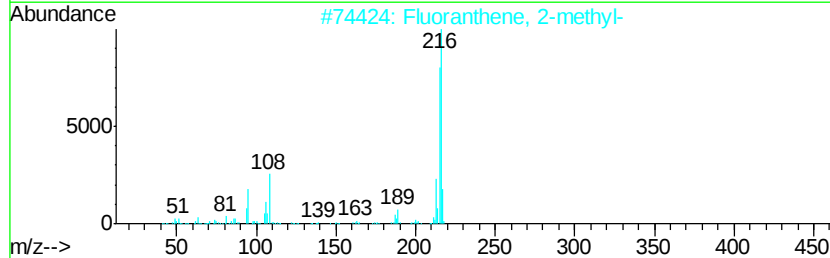
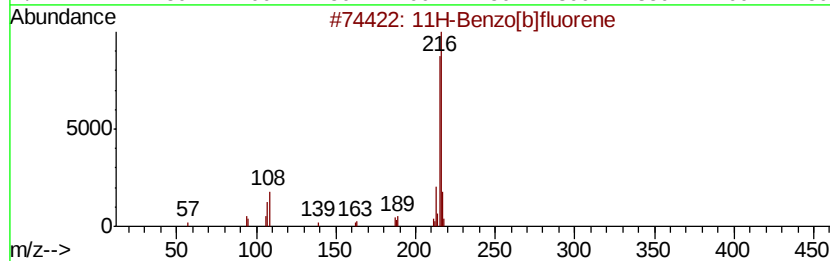
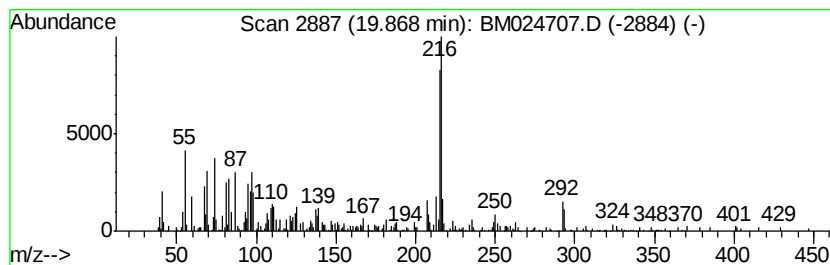
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.06 ng	409152	Chrysene-d12	21.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 70
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 60
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 55
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 49
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 45



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-013120

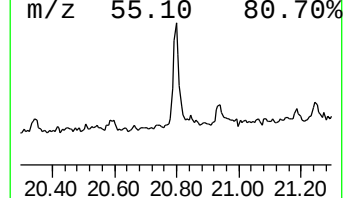
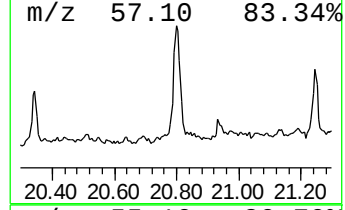
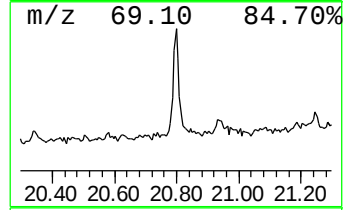
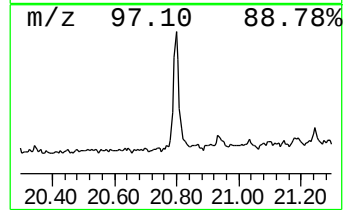
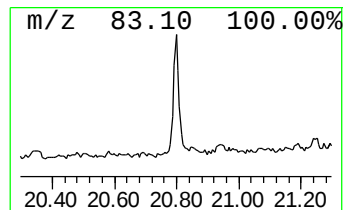
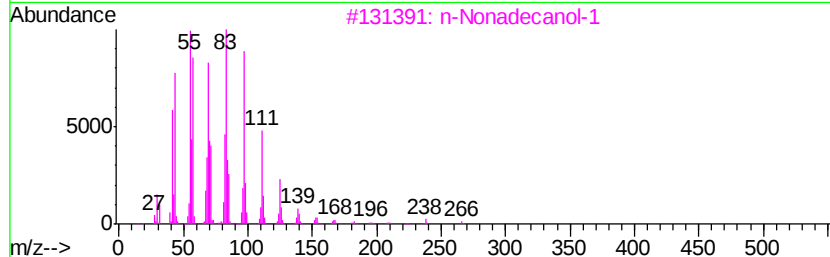
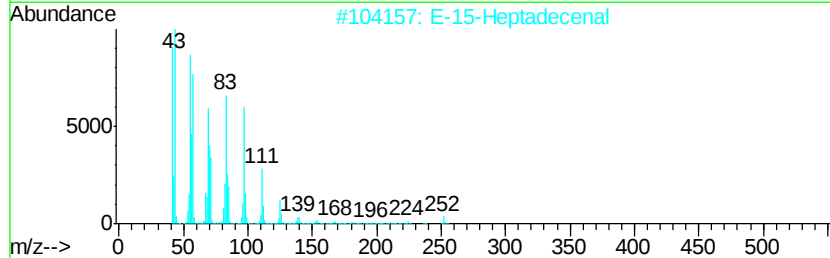
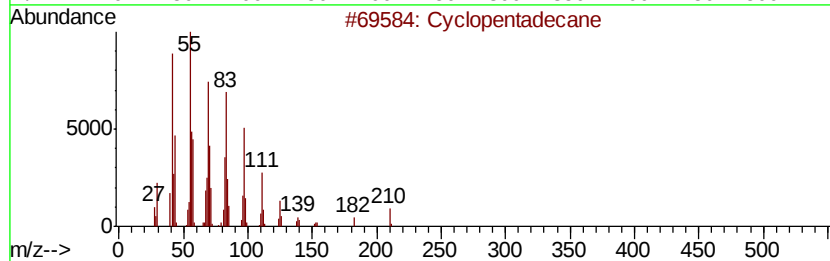
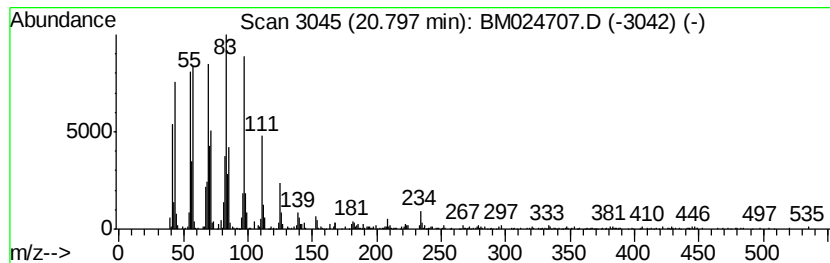
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	3.37 ng	669404	Chrysene-d12	21.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentadecane	210	C15H30	000295-48-7	98
2		E-15-Heptadecenal	252	C17H32O	1000130-97-9	97
3		n-Nonadecanol-1	284	C19H40O	001454-84-8	93
4		n-Tetracosanol-1	354	C24H50O	000506-51-4	93
5		Cyclohexadecane	224	C16H32	000295-65-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM020320\
 Data File : BM024707.D
 Acq On : 03 Feb 2020 20:00
 Operator : CG/JU
 Sample : L1016-15 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-013120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.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
Hexadecane	14.02	2.2	ng	320447	3	14.07	2897590	20.0
Dodecanoic acid, ...	14.25	10.2	ng	1471030	3	14.07	2897590	20.0
Tetradecane	14.99	2.4	ng	345718	3	14.07	2897590	20.0
Heptadecane	15.85	2.2	ng	354868	4	16.83	3243020	20.0
Methyl tetradecan...	16.03	5.0	ng	802682	4	16.83	3243020	20.0
Hexadecanoic acid...	17.55	20.3	ng	3287320	4	16.83	3243020	20.0
n-Hexadecanoic acid	17.77	2.8	ng	447020	4	16.83	3243020	20.0
Methyl 9-cis,11-t...	18.70	47.8	ng	7756960	4	16.83	3243020	20.0
9-Octadecenoic ac...	18.73	78.2	ng	12684700	4	16.83	3243020	20.0
cis-13-Octadeceno...	18.76	4.7	ng	763981	4	16.83	3243020	20.0
11H-Benzo[b]fluorene	19.87	2.1	ng	409152	5	21.04	3978230	20.0
Cyclopentadecane	20.80	3.4	ng	669404	5	21.04	3978230	20.0