

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
 Data File : BP001428.D
 Acq On : 26 Dec 2019 18:26
 Operator : JU
 Sample : K6393-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-20A

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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	5.599	587	597	609	rVB	87915	151326	8.78%	1.207%
2	6.210	695	701	722	rVB	657190	805408	46.75%	6.425%
3	7.752	957	963	976	rBV	437939	570654	33.12%	4.552%
4	7.934	987	994	1005	rBV	1156051	1395686	81.02%	11.134%
5	8.281	1048	1053	1061	rBV	205530	249174	14.46%	1.988%
6	8.528	1087	1095	1099	rBV	956597	1093717	63.49%	8.725%
7	8.981	1165	1172	1180	rVB	38450	48888	2.84%	0.390%
8	9.169	1196	1204	1208	rBV	653374	914996	53.11%	7.299%
9	10.028	1345	1350	1361	rVB2	75299	101241	5.88%	0.808%
10	10.316	1393	1399	1407	rBV	225041	296710	17.22%	2.367%
11	12.098	1694	1702	1720	rBV	1304434	1722749	100.00%	13.743%
12	12.769	1811	1816	1821	rBV	13824	17750	1.03%	0.142%
13	13.181	1879	1886	1894	rBV	292877	361738	21.00%	2.886%
14	14.481	2100	2107	2120	rBV	937056	1217600	70.68%	9.713%
15	15.575	2284	2293	2300	rBV	298718	368786	21.41%	2.942%
16	16.469	2441	2445	2459	rBV2	67589	102764	5.97%	0.820%
17	17.557	2626	2630	2640	rBV2	45520	68254	3.96%	0.544%
18	17.869	2677	2683	2686	rBV	1575250	1703205	98.87%	13.587%
19	17.957	2694	2698	2701	rVB	19901	20736	1.20%	0.165%
20	19.139	2895	2899	2908	rVB2	29379	52780	3.06%	0.421%
21	19.221	2908	2913	2917	rBV	267403	290841	16.88%	2.320%
22	19.510	2958	2962	2965	rVB	23121	24295	1.41%	0.194%
23	19.898	3024	3028	3033	rBV	42748	43980	2.55%	0.351%
24	20.274	3088	3092	3096	rVB	68620	74808	4.34%	0.597%
25	20.574	3140	3143	3149	rVB3	20047	25451	1.48%	0.203%
26	20.663	3154	3158	3164	rVB	74931	95716	5.56%	0.764%
27	20.986	3208	3213	3221	rVB	194670	275294	15.98%	2.196%
28	21.098	3227	3232	3241	rBV2	71589	105774	6.14%	0.844%
29	21.586	3310	3315	3323	rVB	57684	100620	5.84%	0.803%
30	21.686	3327	3332	3344	rVV	58443	110363	6.41%	0.880%
31	21.798	3347	3351	3359	rVB8	10870	21364	1.24%	0.170%
32	22.151	3406	3411	3422	rVB3	34291	74208	4.31%	0.592%
33	22.810	3517	3523	3530	rBV5	12630	28316	1.64%	0.226%

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-20A

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

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
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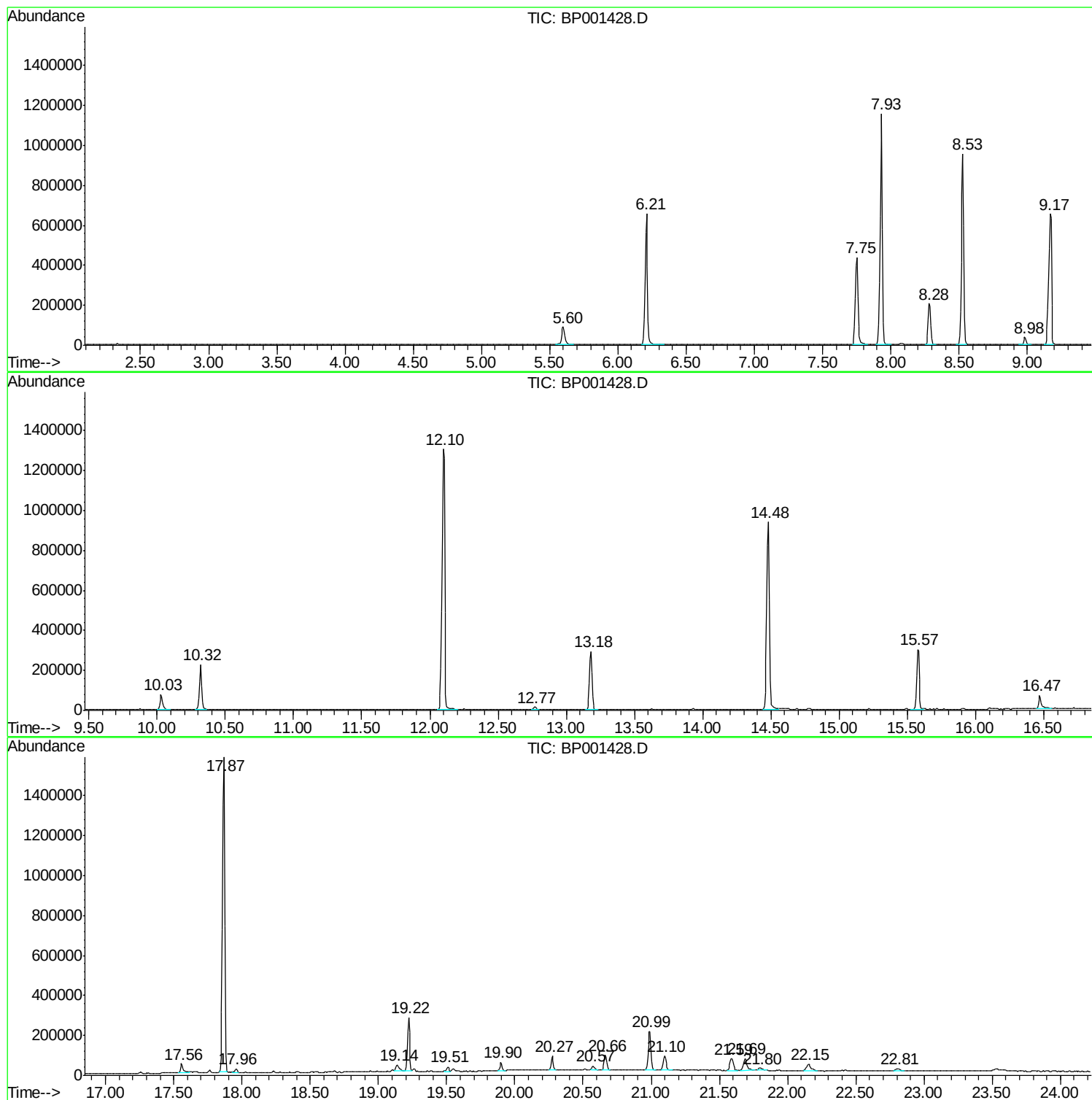
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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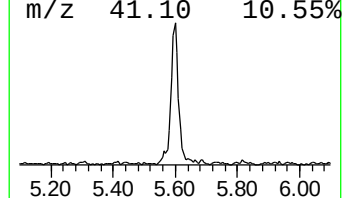
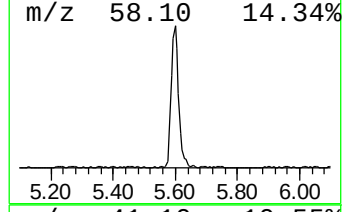
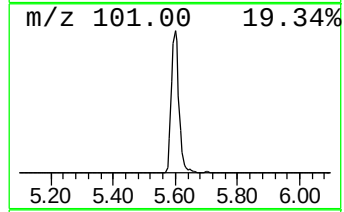
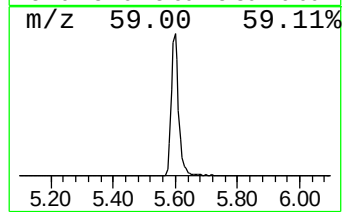
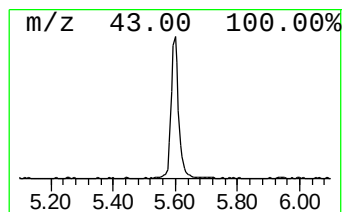
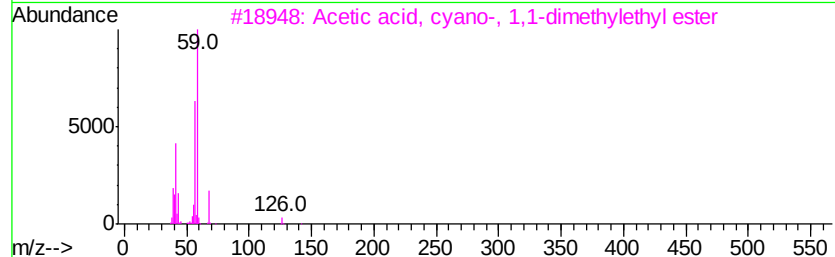
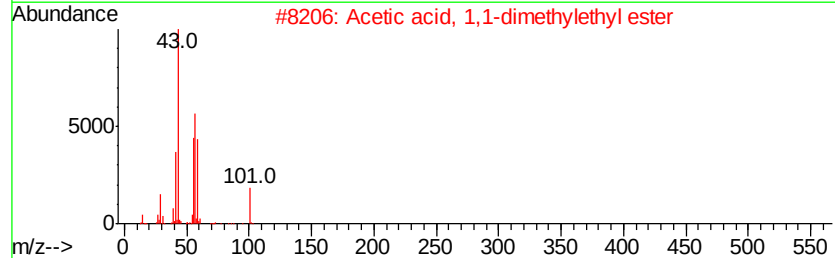
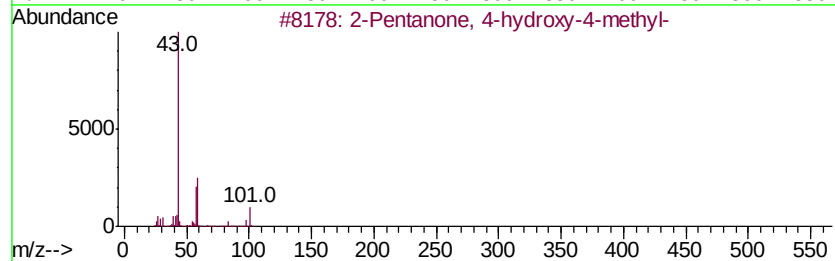
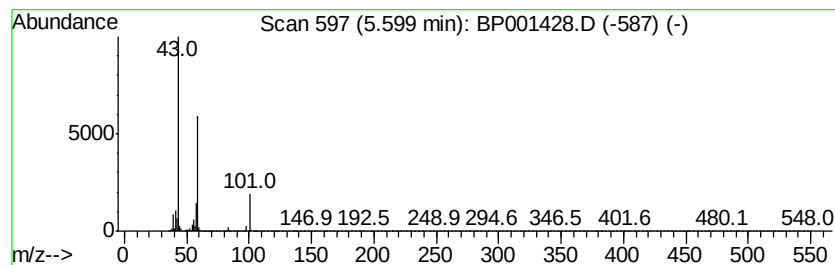
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	12.15 ng	151326	1,4-Dichlorobenzene-d4	8.28

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9



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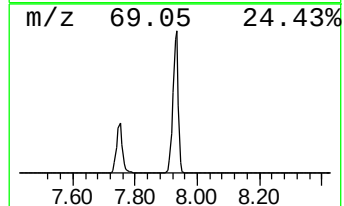
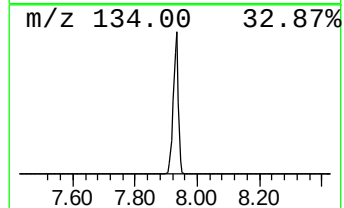
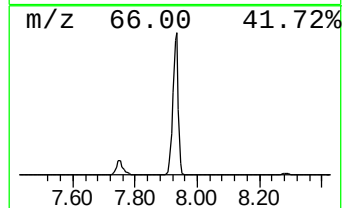
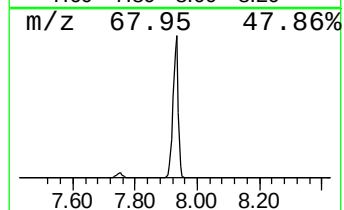
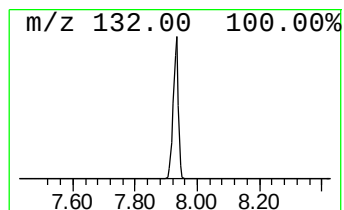
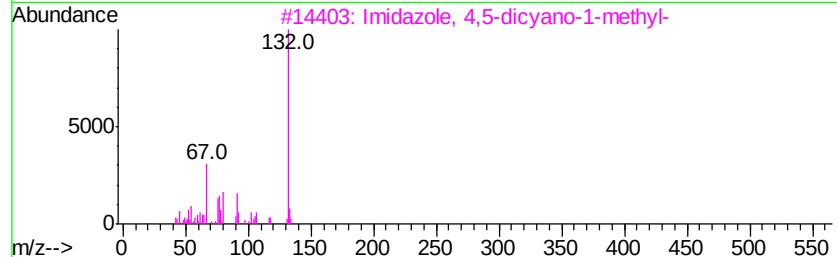
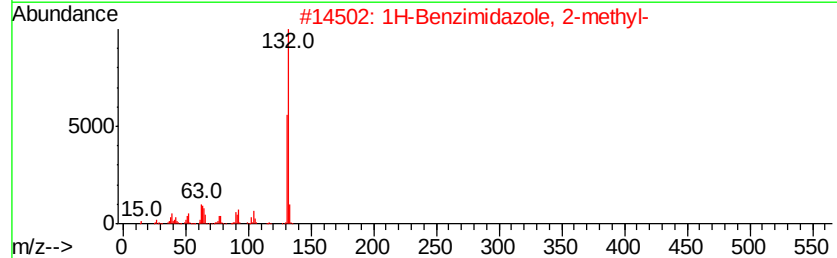
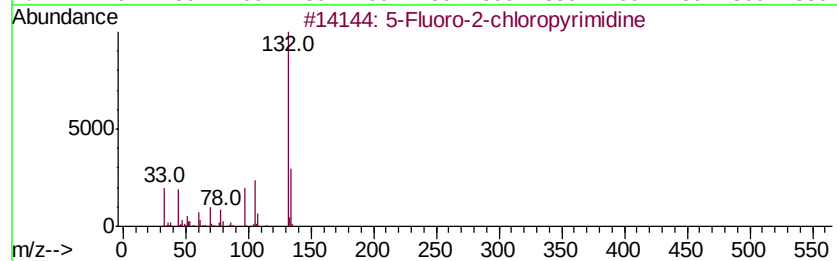
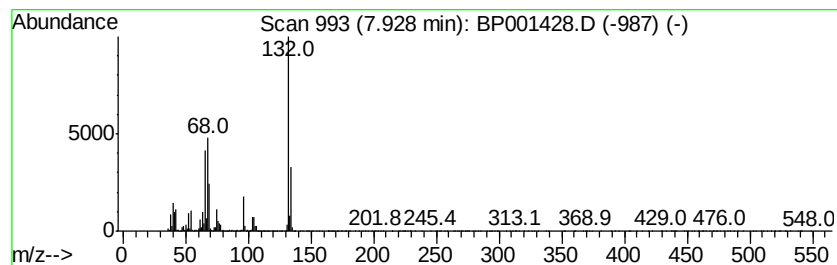
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.93 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	112.03 ng	1395690	1,4-Dichlorobenzene-d4	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
3		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	11
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	10



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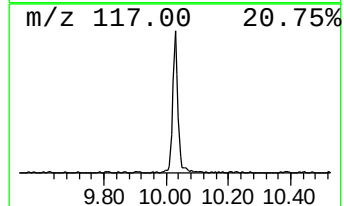
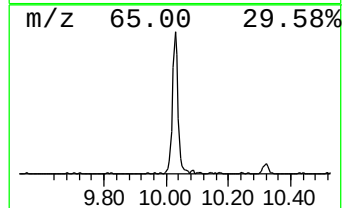
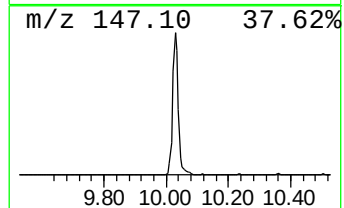
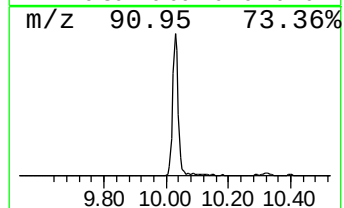
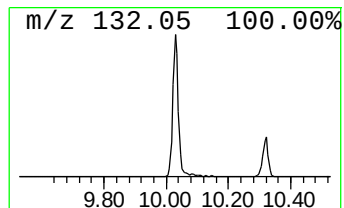
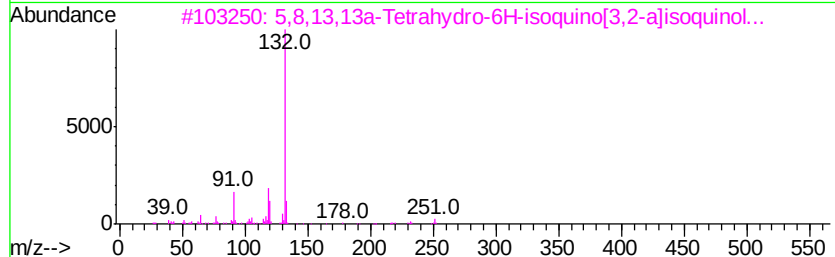
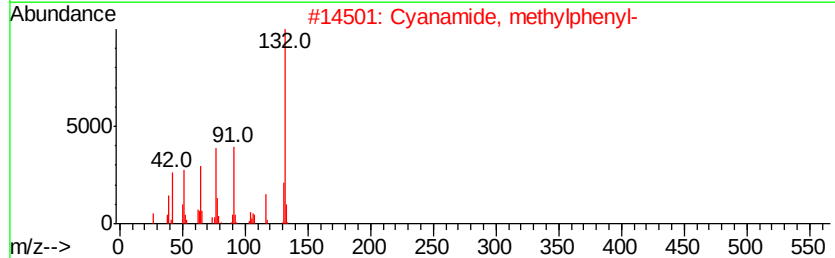
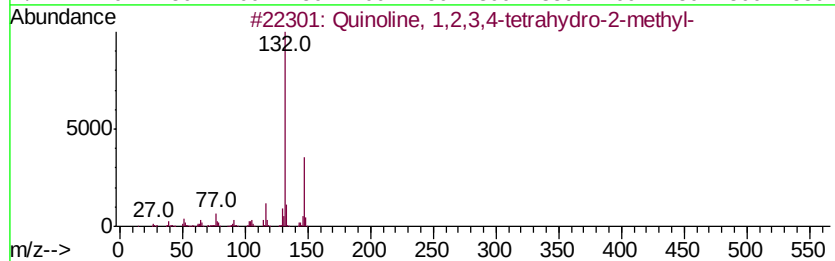
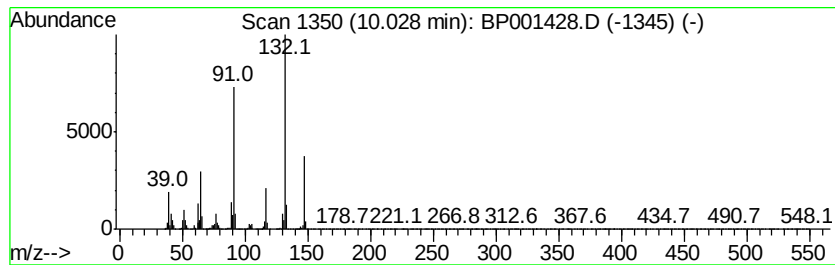
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Quinoline, 1,2,3,4-tetrahyd... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.03	6.82 ng	101241	Napthalene-d8	10.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 1,2,3,4-tetrahydro-2-...	147	C10H13N	001780-19-4	64
2	Cyanamide, methylphenyl-	132	C8H8N2	018773-77-8	58
3	5,8,13,13a-Tetrahydro-6H-isoquin...	251	C17H17NO	149539-06-0	50
4	1H-Indole, 2,3-dihydro-1-methyl-	133	C9H11N	000824-21-5	50
5	Alpha-methyl-4-vinylbenzylamine	147	C10H13N	019303-08-3	50



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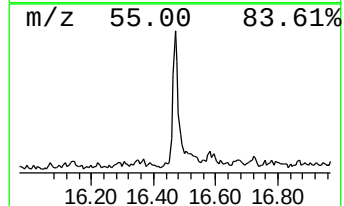
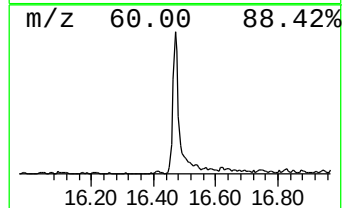
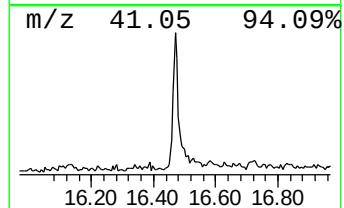
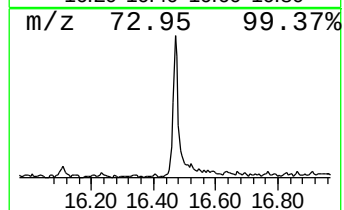
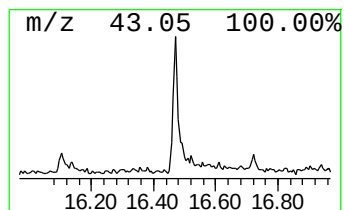
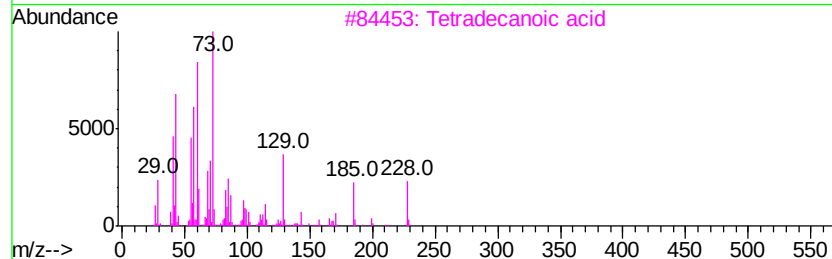
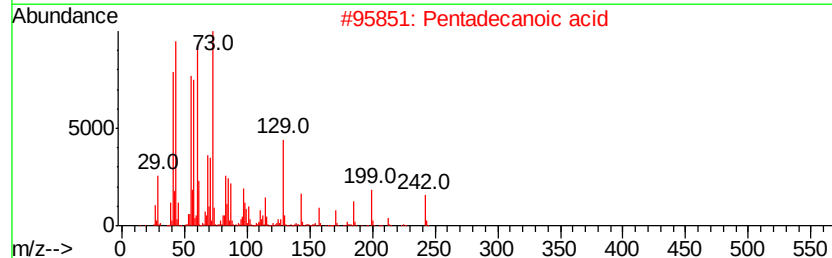
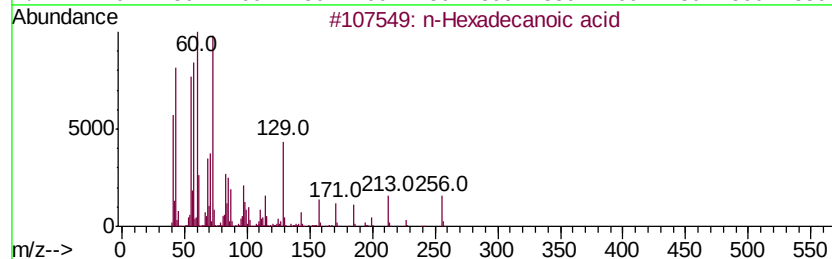
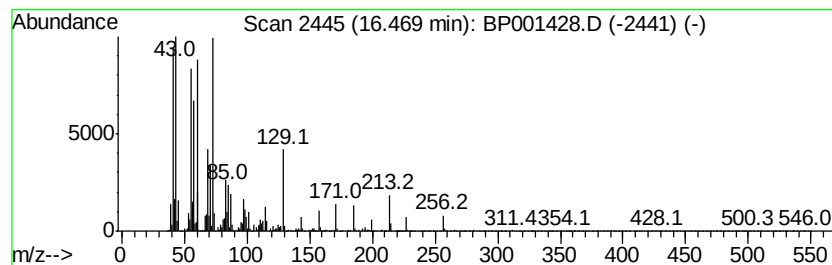
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 5 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	5.57 ng	102764	Phenanthrene-d10	15.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4		Tridecanoic acid	214	C13H26O2	000638-53-9	86
5		Dodecanoic acid	200	C12H24O2	000143-07-7	78



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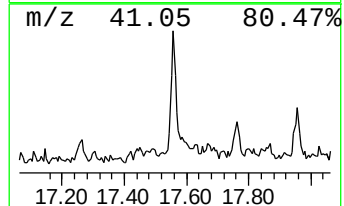
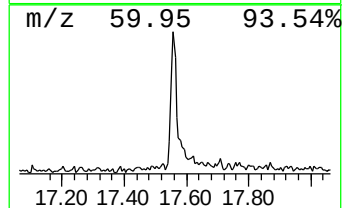
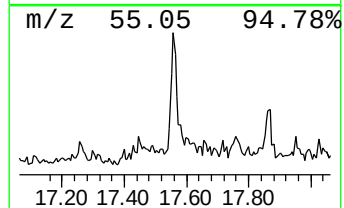
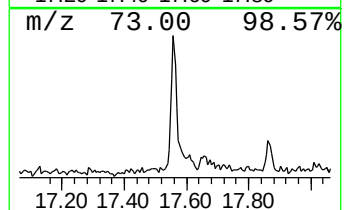
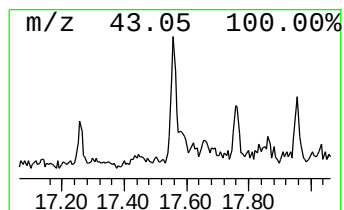
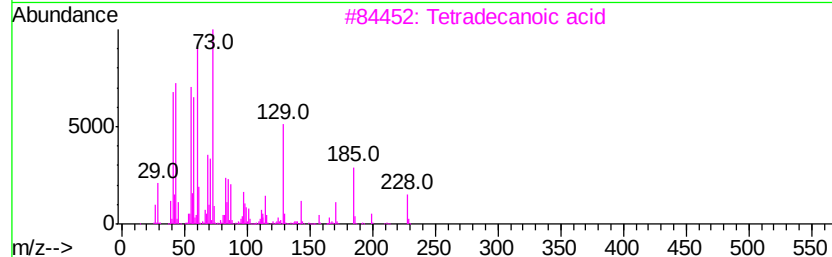
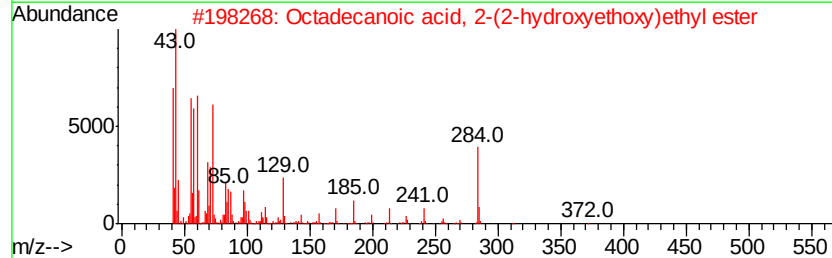
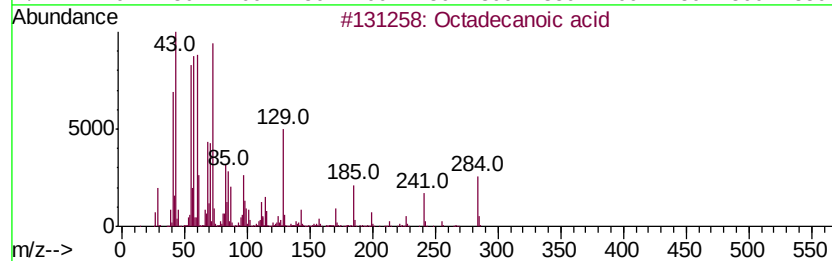
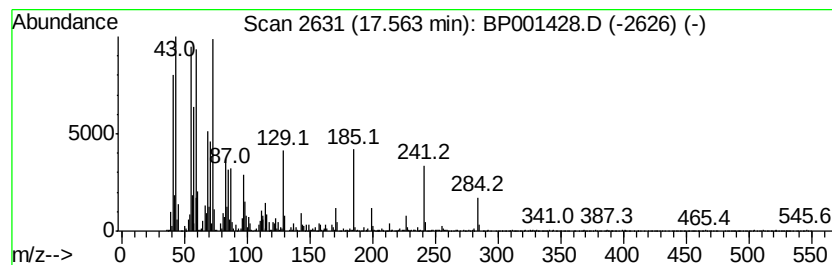
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	4.69 ng	68254	Chrysene-d12	19.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	72
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	68
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	62



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MH-20A

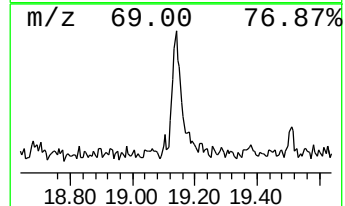
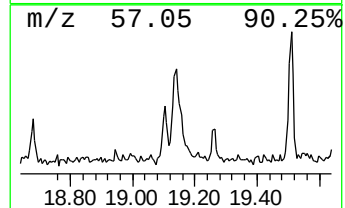
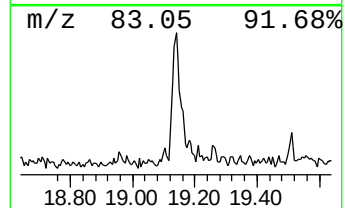
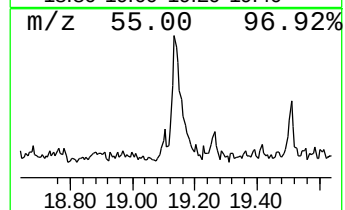
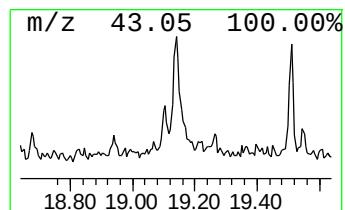
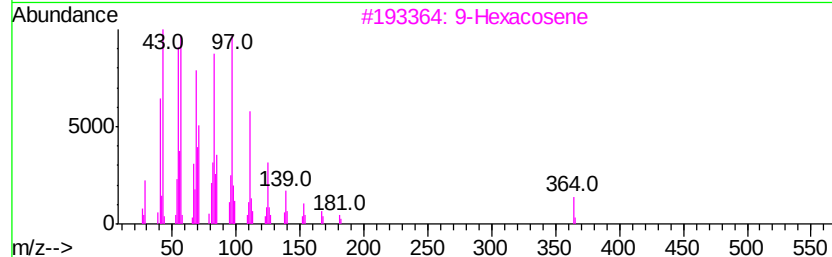
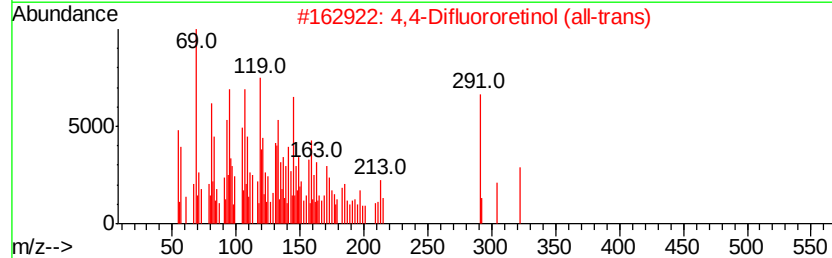
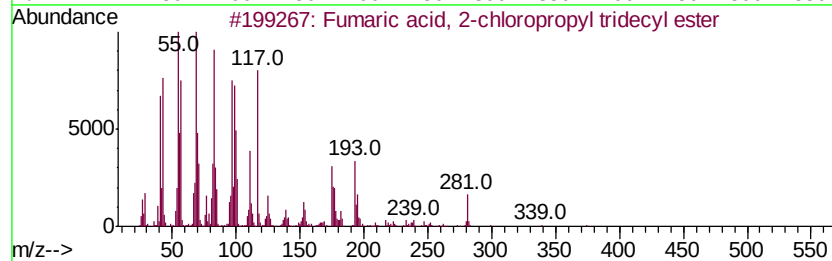
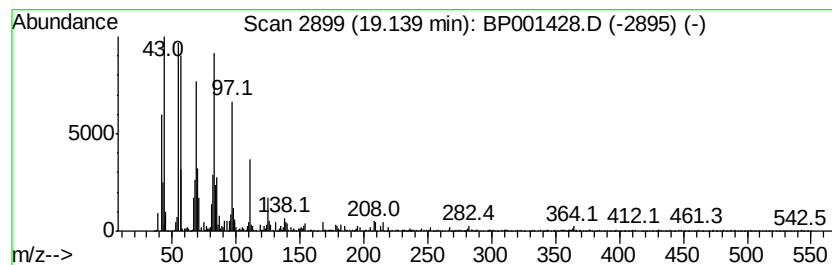
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Fumaric acid, 2-chloropropyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	3.63 ng	52780	Chrysene-d12	19.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fumaric acid, 2-chloropropyl tri...	374	C20H35ClO4	1000348-57-1	93
2		4,4-Difluororetinol (all-trans)	322	C20H28F2O	090660-21-2	92
3		9-Hexacosene	364	C26H52	071502-22-2	90
4		Z-5-Nonadecene	266	C19H38	1000131-11-8	90
5		Fumaric acid, pentadecyl pentafl...	492	C25H33F5O4	1000348-10-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001428.D
Acq On : 26 Dec 2019 18:26
Operator : JU
Sample : K6393-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

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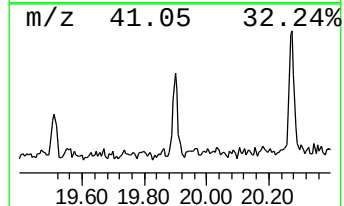
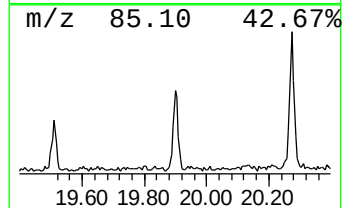
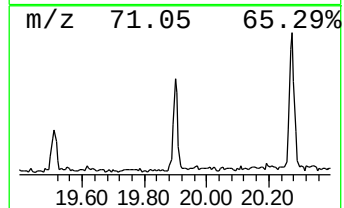
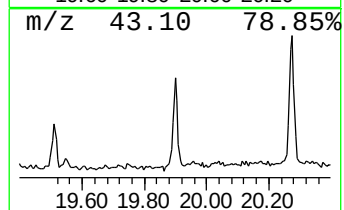
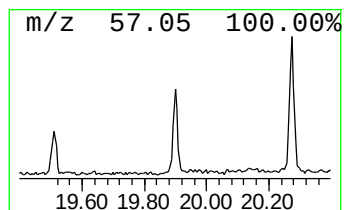
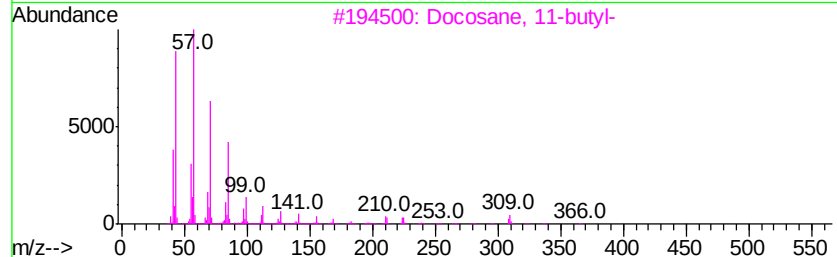
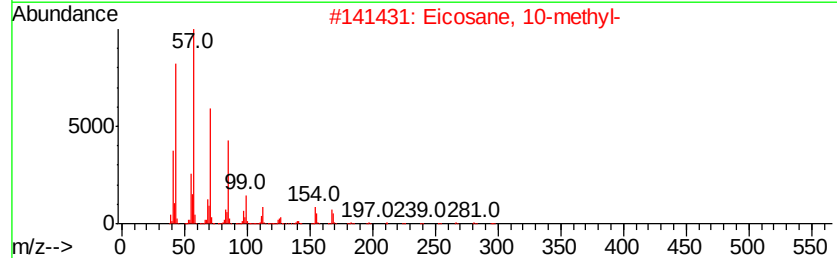
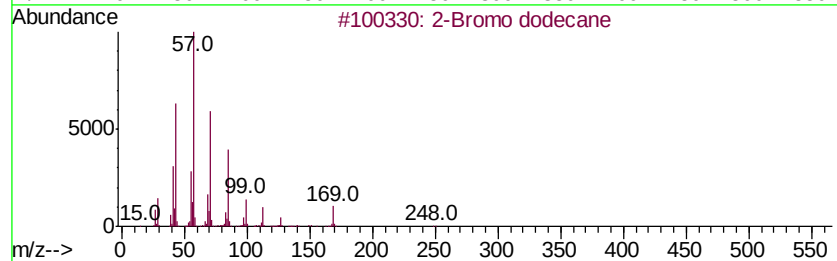
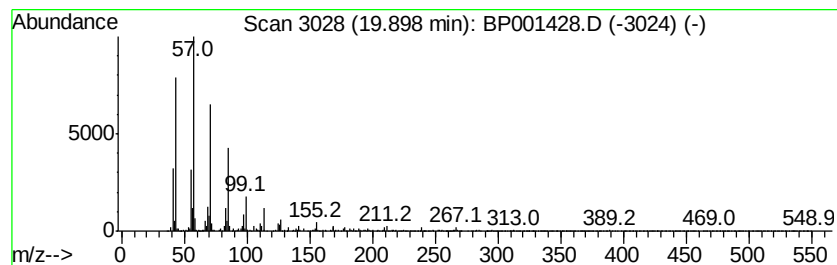
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2-Bromo dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.02 ng	43980	Chrysene-d12	19.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	91
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	91
5		Tricosane	324	C23H48	000638-67-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001428.D
Acq On : 26 Dec 2019 18:26
Operator : JU
Sample : K6393-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

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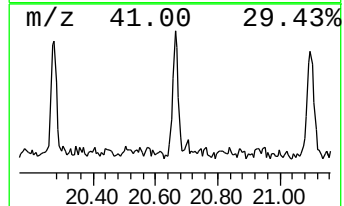
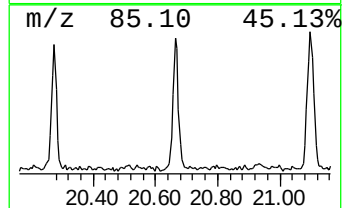
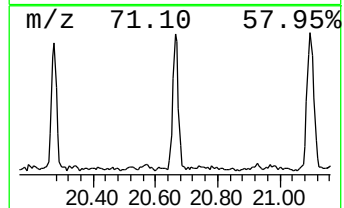
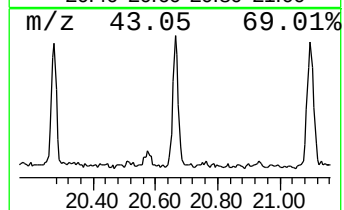
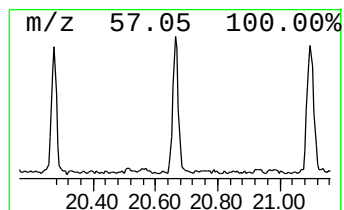
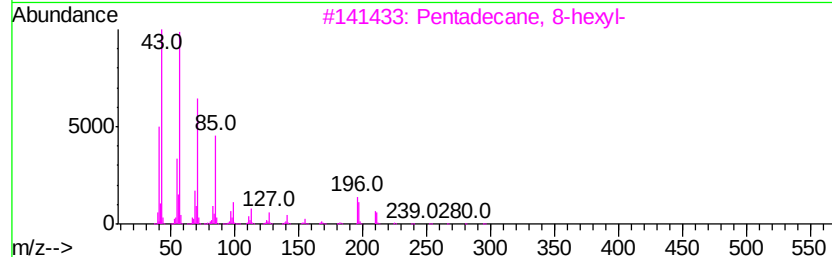
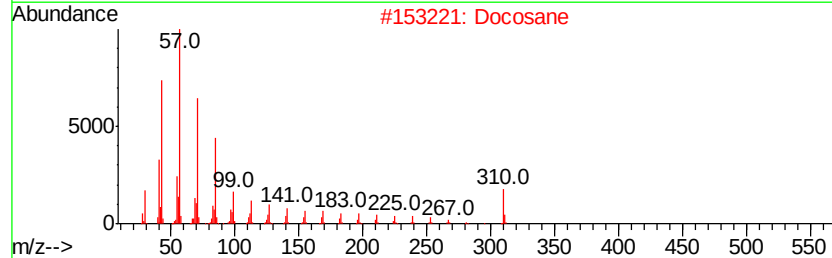
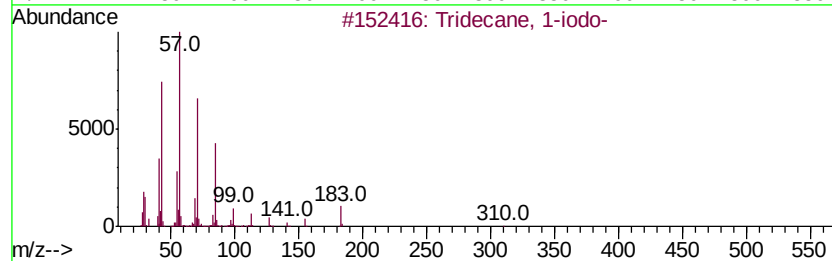
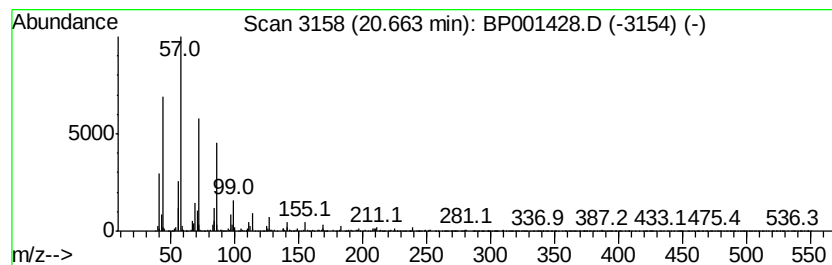
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tridecane, 1-iodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	6.95 ng	95716	Perylene-d12	20.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	95
2			Docosane	310	C22H46	000629-97-0	94
3			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
4			2-Bromo dodecane	248	C12H25Br	013187-99-0	93
5			Pentacosane	352	C25H52	000629-99-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001428.D
Acq On : 26 Dec 2019 18:26
Operator : JU
Sample : K6393-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

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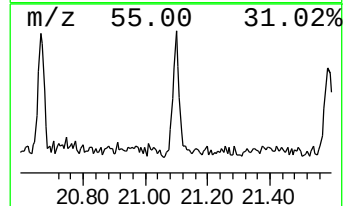
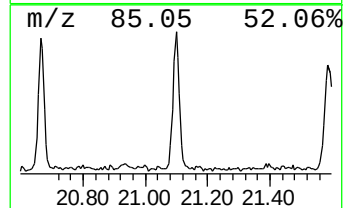
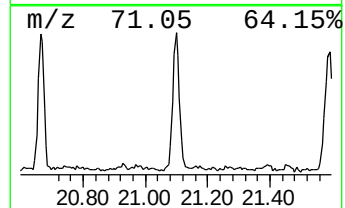
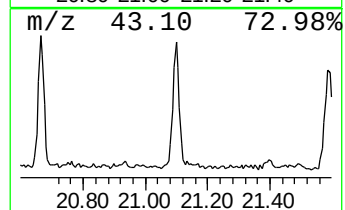
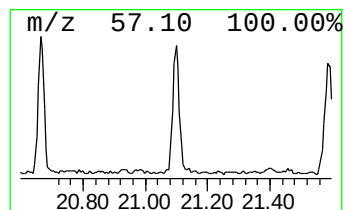
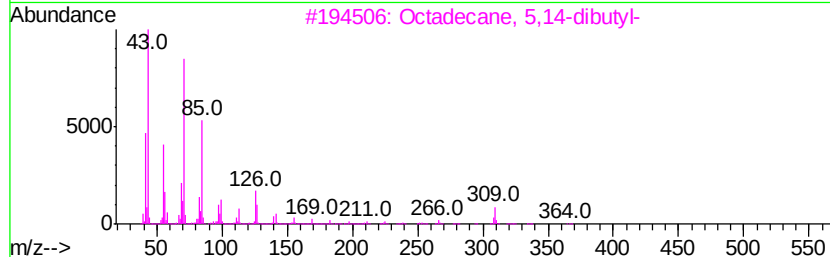
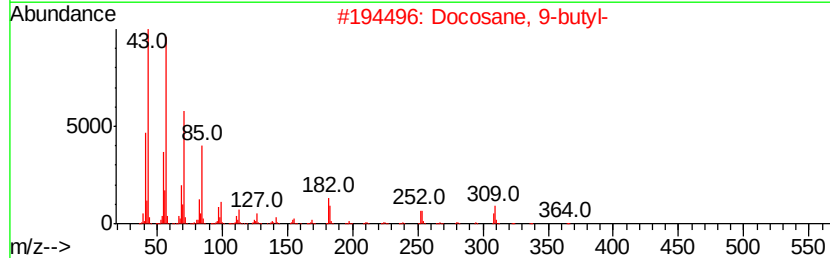
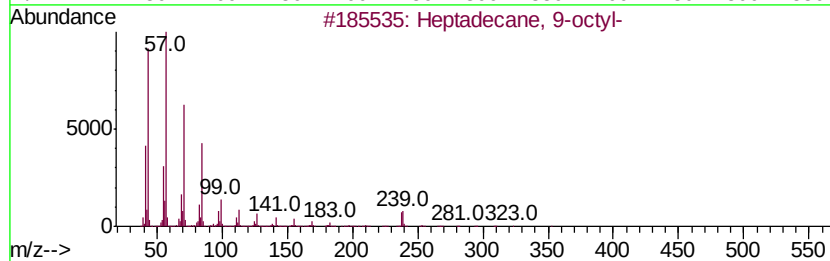
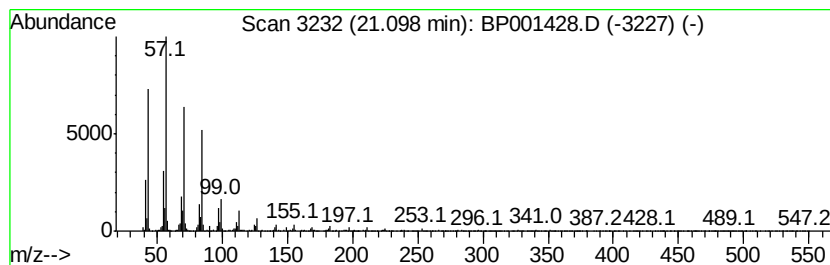
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane, 9-octyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	7.68 ng	105774	Perylene-d12	20.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2		Docosane, 9-butyl-	366	C26H54	055282-14-9	94
3		Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	93
4		Triacontane	422	C30H62	000638-68-6	93
5		Docosane, 11-butyl-	366	C26H54	013475-76-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001428.D
Acq On : 26 Dec 2019 18:26
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Sample : K6393-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

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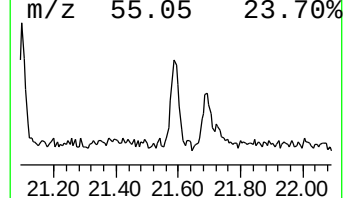
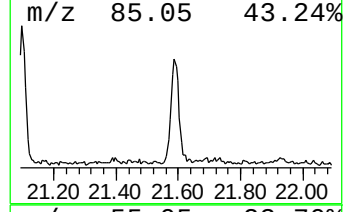
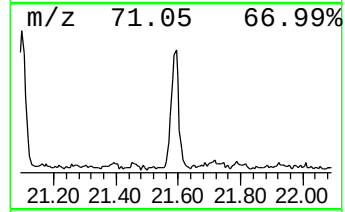
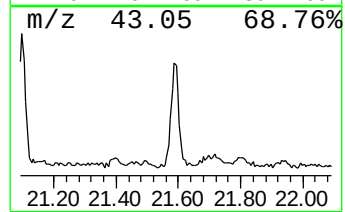
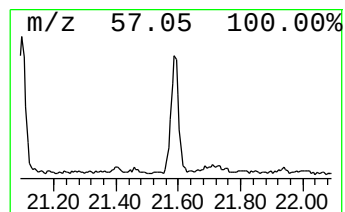
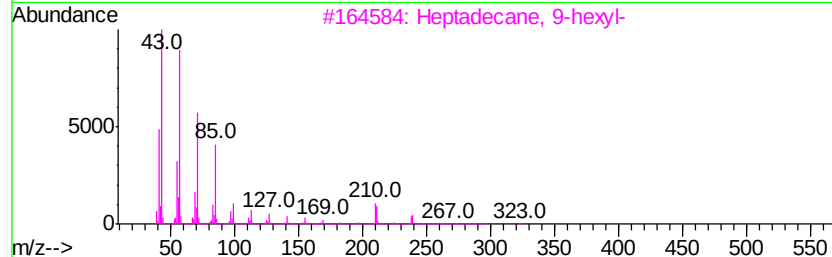
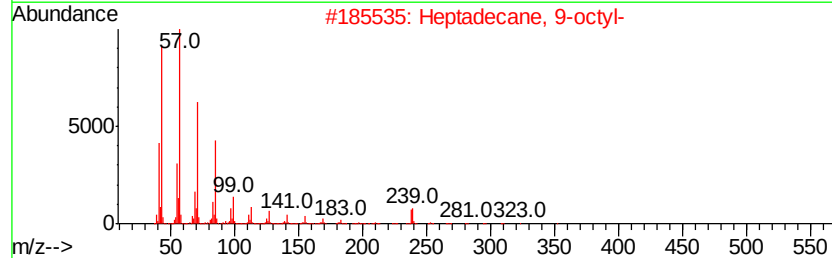
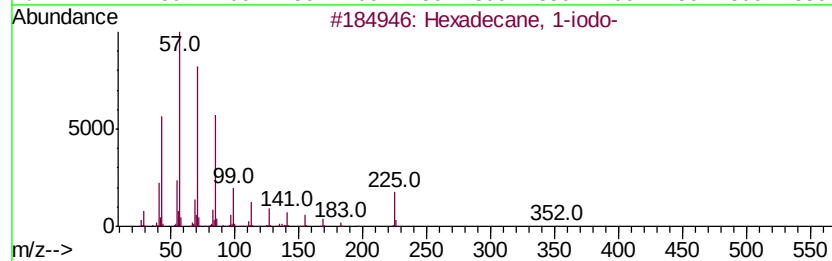
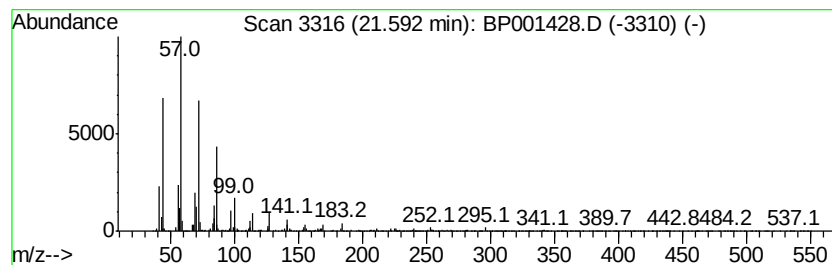
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	7.31 ng	100620	Perylene-d12	20.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	95
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3		Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
5		Tetratetracontane	619	C44H90	007098-22-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
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Acq On : 26 Dec 2019 18:26
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Sample : K6393-03
Misc :
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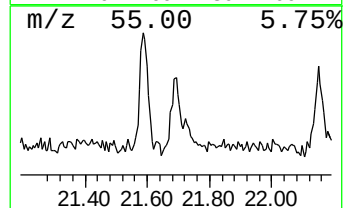
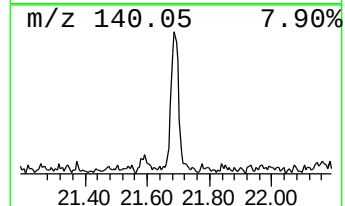
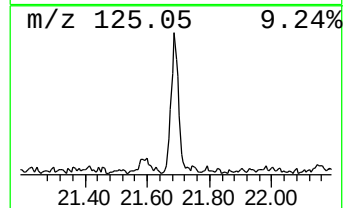
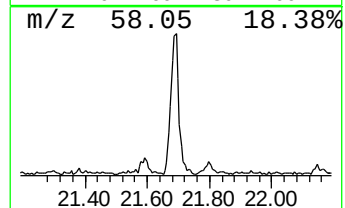
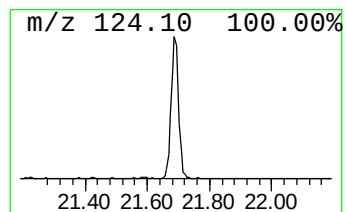
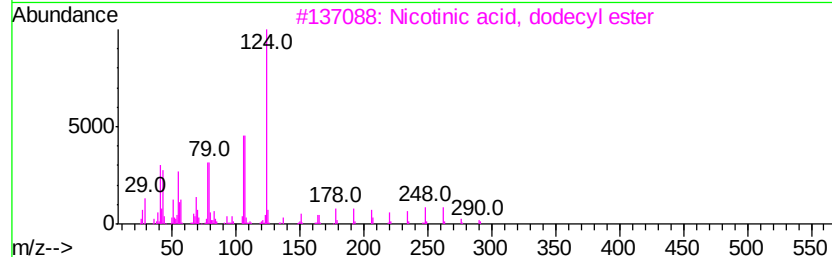
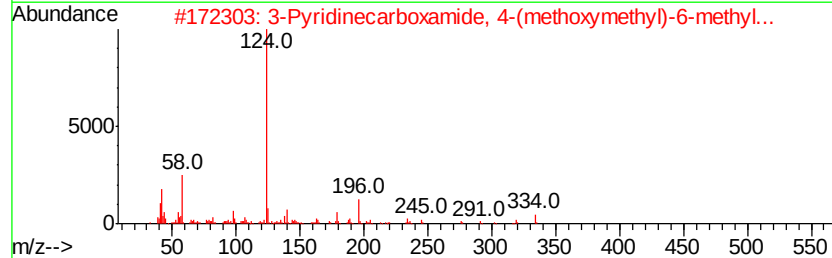
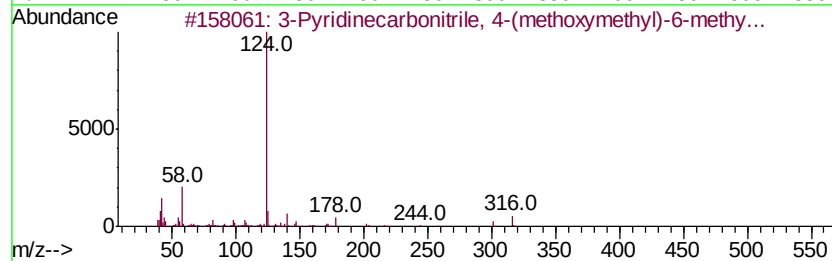
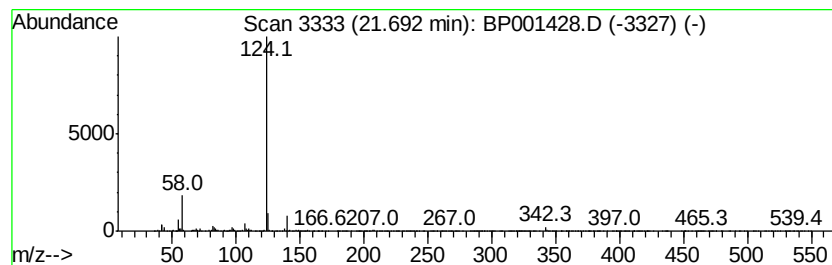
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3-Pyridinecarbonitrile, 4-(... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.		
21.69	8.02 ng	110363	Perylene-d12		20.99		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Pyridinecarbonitrile, 4-(metho...	316	C18H28N4O	1000320-13-0	78
2			3-Pyridinecarboxamide, 4-(methox...	334	C18H30N4O2	1000319-24-9	64
3			Nicotinic acid, dodecyl ester	291	C18H29NO2	1000299-86-2	58
4			Benzoic acid, 4-amino-, 2,2,6,6-...	276	C16H24N2O2	1000337-88-4	56
5			N,N'-Bis-(2,2,6,6-tetramethylpip...	442	C26H42N4O2	042774-14-1	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
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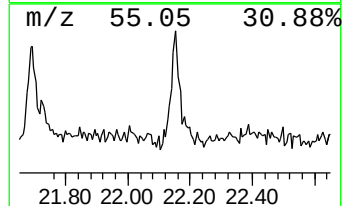
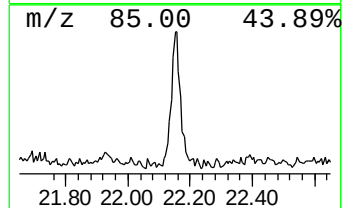
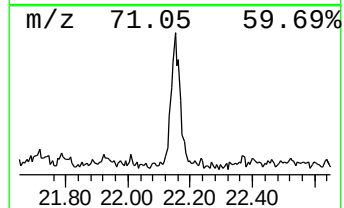
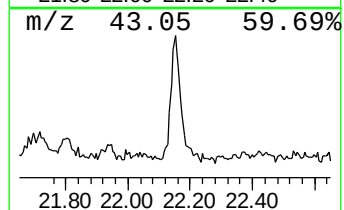
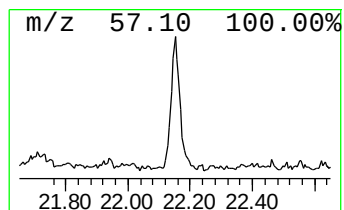
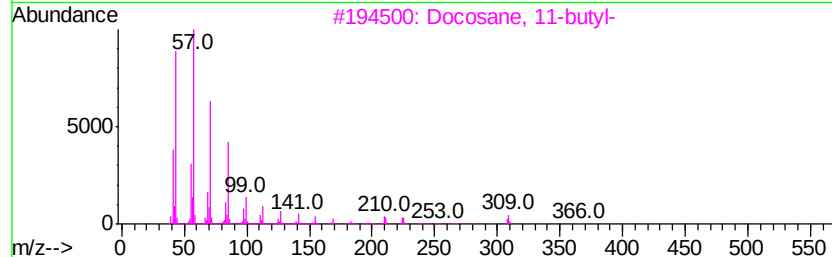
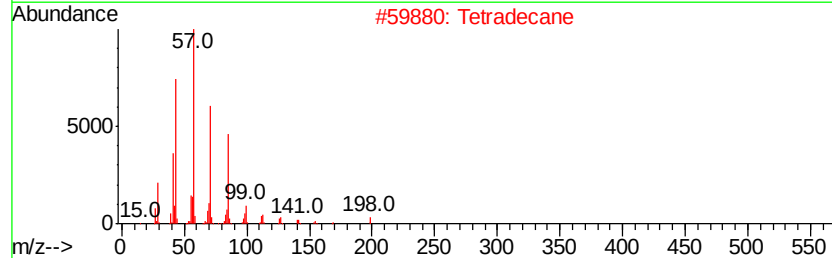
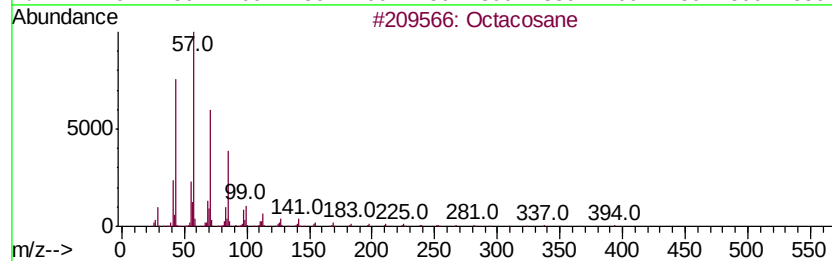
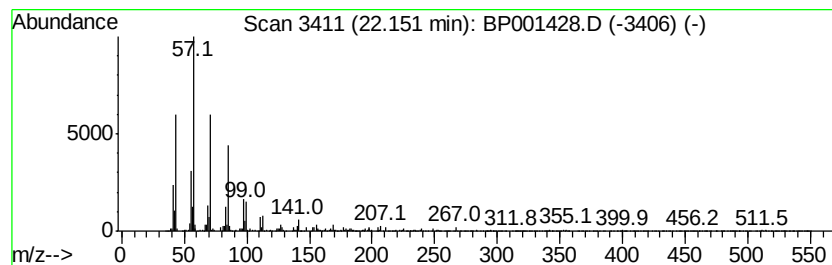
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	5.39 ng	74208	Perylene-d12	20.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	87
2			Tetradecane	198	C14H30	000629-59-4	81
3			Docosane, 11-butyl-	366	C26H54	013475-76-8	80
4			Docosane	310	C22H46	000629-97-0	80
5			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
Data File : BP001428.D
Acq On : 26 Dec 2019 18:26
Operator : JU
Sample : K6393-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-20A

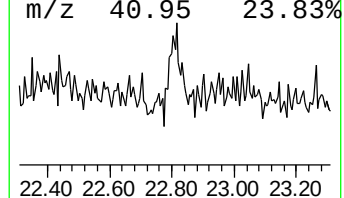
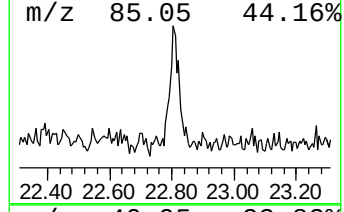
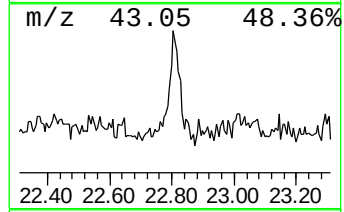
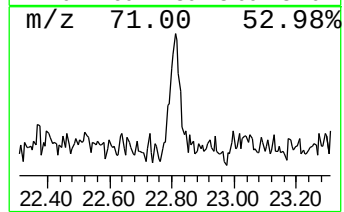
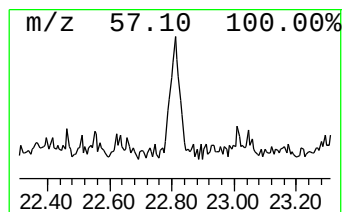
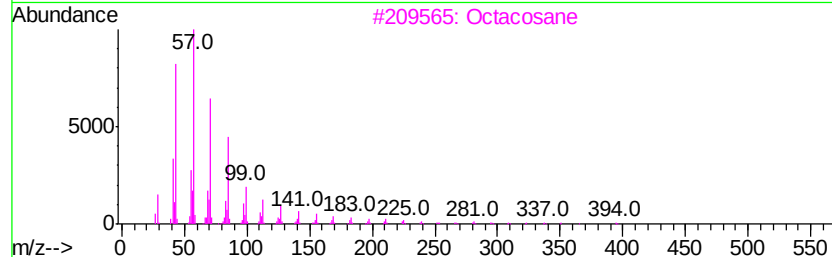
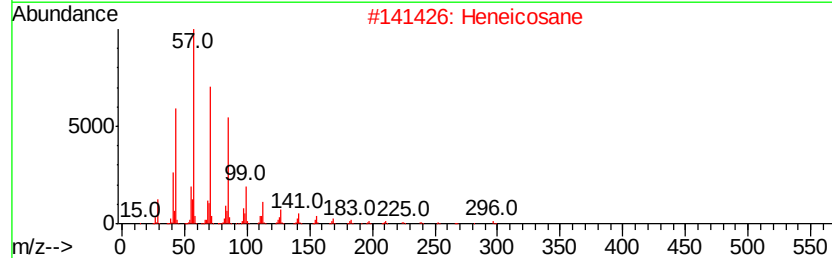
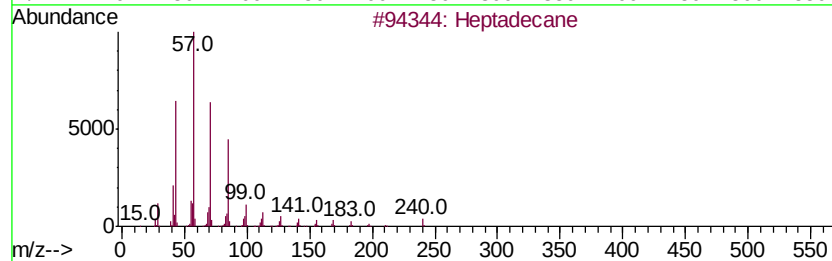
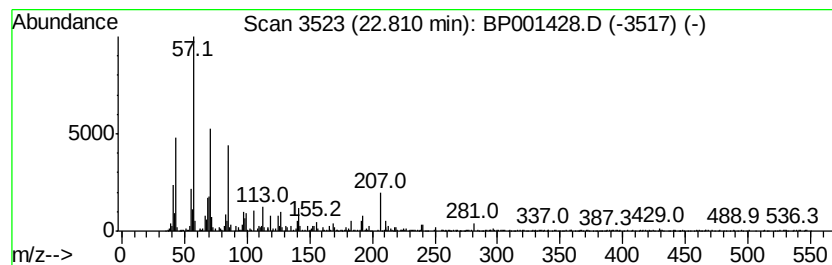
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.81	2.06 ng	28316	Perylene-d12	20.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	91
2			Heneicosane	296	C21H44	000629-94-7	83
3			Octacosane	394	C28H58	000630-02-4	64
4			Tetratetracontane	619	C44H90	007098-22-8	58
5			Pentacosane	352	C25H52	000629-99-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122619\
 Data File : BP001428.D
 Acq On : 26 Dec 2019 18:26
 Operator : JU
 Sample : K6393-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-20A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.60	12.2	ng	151326	1	8.28	249174	20.0
unknown7.93	7.93	112.0	ng	1395690	1	8.28	249174	20.0
Quinoline, 1,2,3,...	10.03	6.8	ng	101241	2	10.32	296710	20.0
n-Hexadecanoic acid	16.47	5.6	ng	102764	4	15.58	368786	20.0
Octadecanoic acid	17.56	4.7	ng	68254	5	19.22	290841	20.0
Fumaric acid, 2-c...	19.14	3.6	ng	52780	5	19.22	290841	20.0
2-Bromo dodecane	19.90	3.0	ng	43980	5	19.22	290841	20.0
Tridecane, 1-iodo-	20.66	7.0	ng	95716	6	20.99	275294	20.0
Heptadecane, 9-oc...	21.10	7.7	ng	105774	6	20.99	275294	20.0
Hexadecane, 1-iodo-	21.59	7.3	ng	100620	6	20.99	275294	20.0
3-Pyridinecarboni...	21.69	8.0	ng	110363	6	20.99	275294	20.0
Octacosane	22.15	5.4	ng	74208	6	20.99	275294	20.0
Heptadecane	22.81	2.1	ng	28316	6	20.99	275294	20.0