

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095969.D
 Acq On : 16 Jun 2017 22:26
 Operator : SJ/MA
 Sample : I3684-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-ROAD-COMP

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:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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	4.498	489	495	515	rBV	227913	540268	30.15%	3.678%
2	5.222	615	618	652	rBV	449320	1078831	60.21%	7.344%
3	6.892	899	902	913	rBV	735261	1202026	67.09%	8.183%
4	6.981	913	917	936	rVB	898578	1537041	85.78%	10.463%
5	7.322	971	975	989	rVB	267812	366052	20.43%	2.492%
6	7.557	1010	1015	1035	rBV	877707	1185504	66.16%	8.070%
7	8.239	1127	1131	1161	rBV	596996	894114	49.90%	6.087%
8	9.351	1316	1320	1336	rBV	358403	503429	28.10%	3.427%
9	11.133	1617	1623	1636	rBV	1443064	1791794	100.00%	12.198%
10	11.827	1737	1741	1753	rBV	94271	130980	7.31%	0.892%
11	12.168	1795	1799	1805	rBV2	422989	544949	30.41%	3.710%
12	12.221	1805	1808	1814	rVB2	18070	28764	1.61%	0.196%
13	13.027	1940	1945	1950	rBV	20340	25578	1.43%	0.174%
14	13.468	2016	2020	2037	rBV	273916	440085	24.56%	2.996%
15	13.798	2071	2076	2085	rBV2	24618	36587	2.04%	0.249%
16	14.562	2202	2206	2211	rVV2	382069	499881	27.90%	3.403%
17	14.604	2211	2213	2223	rVB	72209	104983	5.86%	0.715%
18	16.392	2510	2517	2524	rVB	126634	163954	9.15%	1.116%
19	16.692	2564	2568	2580	rBV	120974	167919	9.37%	1.143%
20	16.939	2605	2610	2618	rVB	1104986	1286284	71.79%	8.756%
21	18.198	2820	2824	2834	rBV3	67925	129925	7.25%	0.884%
22	18.286	2834	2839	2844	rBV2	321976	430585	24.03%	2.931%
23	18.609	2888	2894	2898	rBV4	12818	19771	1.10%	0.135%
24	18.997	2955	2960	2968	rVB5	13900	24412	1.36%	0.166%
25	19.562	3052	3056	3060	rBV	65592	94001	5.25%	0.640%
26	19.592	3060	3061	3067	rVB	25224	25743	1.44%	0.175%
27	19.715	3079	3082	3086	rBV	30794	34631	1.93%	0.236%
28	19.850	3101	3105	3110	rVB	43281	52158	2.91%	0.355%
29	19.909	3112	3115	3119	rVV	63122	67145	3.75%	0.457%
30	19.956	3119	3123	3135	rVV	282943	395944	22.10%	2.695%
31	20.056	3135	3140	3147	rVB	60020	76345	4.26%	0.520%
32	20.391	3193	3197	3201	rBV	91991	116043	6.48%	0.790%
33	20.439	3201	3205	3208	rBV4	15875	23307	1.30%	0.159%
34	20.756	3254	3259	3267	rVB	93643	136059	7.59%	0.926%

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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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	21.174	3320	3330	3338	rVB4	76756	171488	9.57%	1.167%
36	21.480	3375	3382	3394	rBV3	27228	74681	4.17%	0.508%
37	21.656	3404	3412	3423	rBV2	57257	131260	7.33%	0.894%
38	22.221	3502	3508	3519	rVB3	33474	76324	4.26%	0.520%
39	22.885	3614	3621	3630	rVB4	24505	61775	3.45%	0.421%
40	23.680	3749	3756	3760	rBV7	8529	18997	1.06%	0.129%

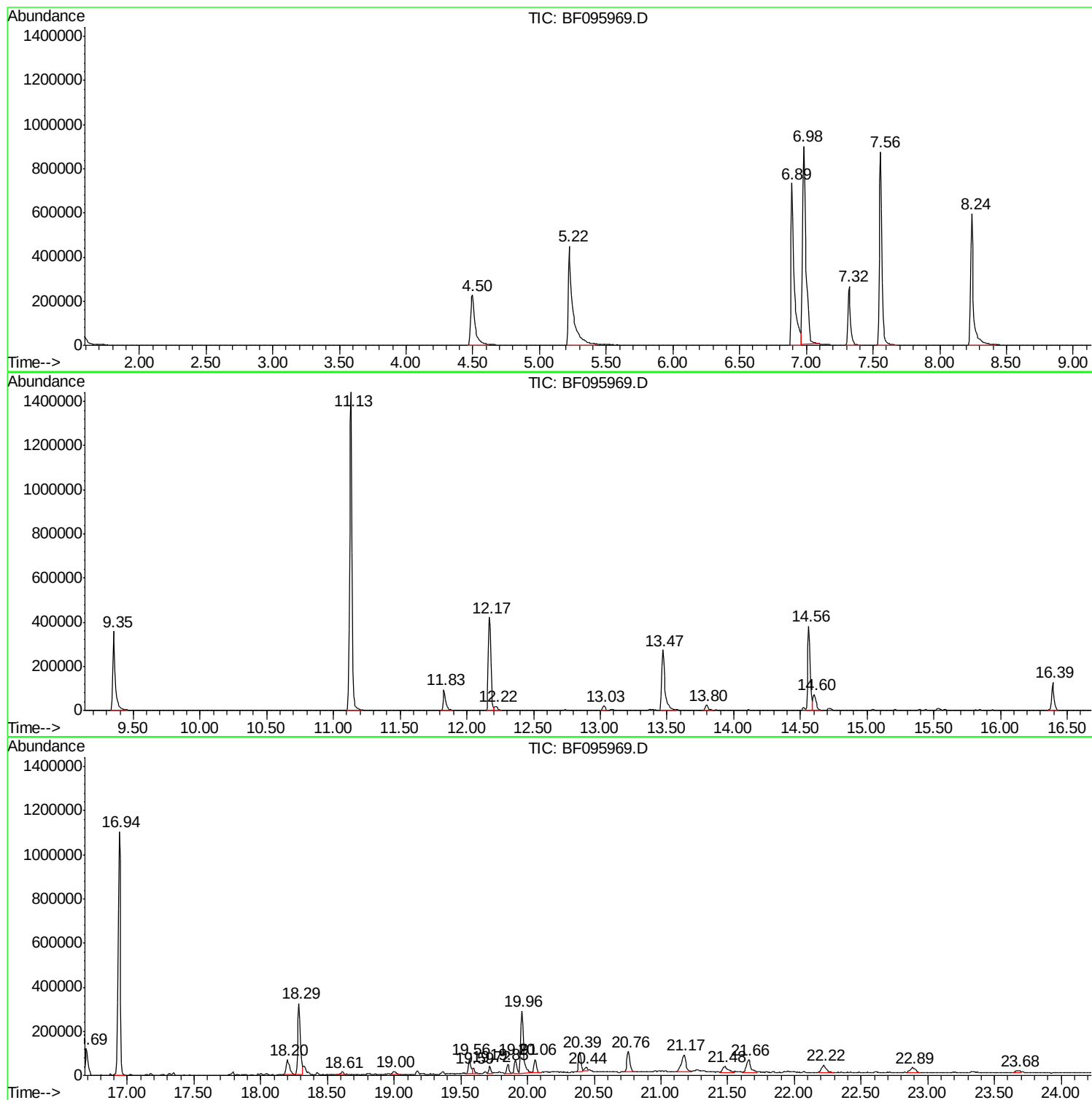
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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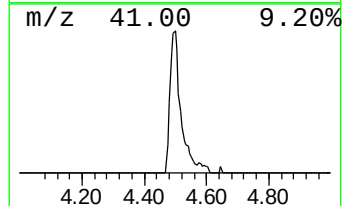
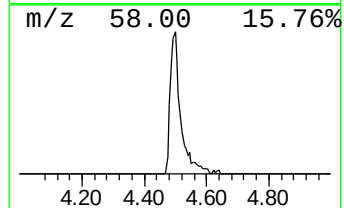
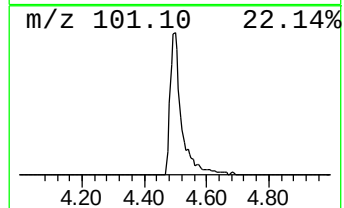
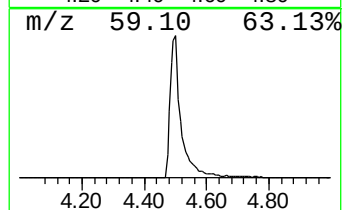
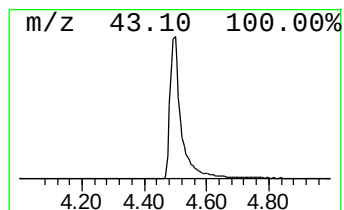
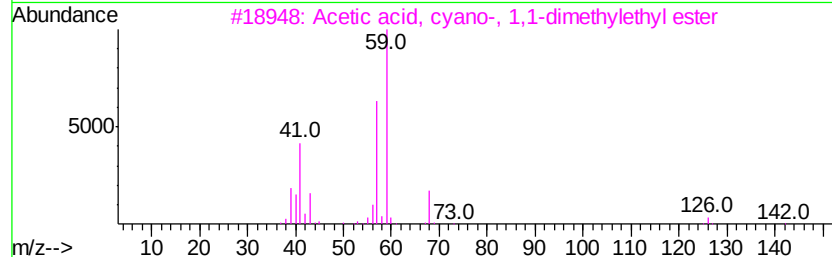
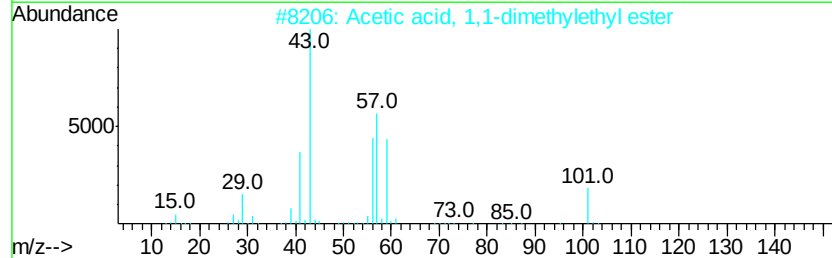
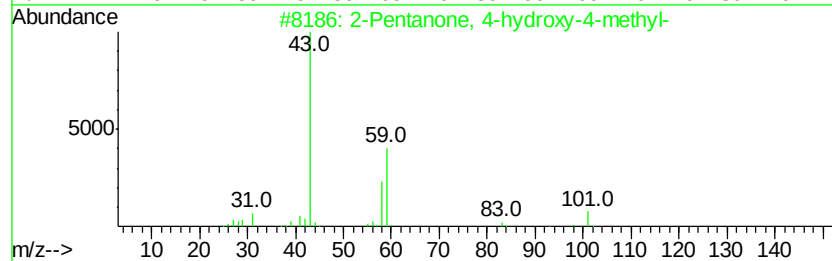
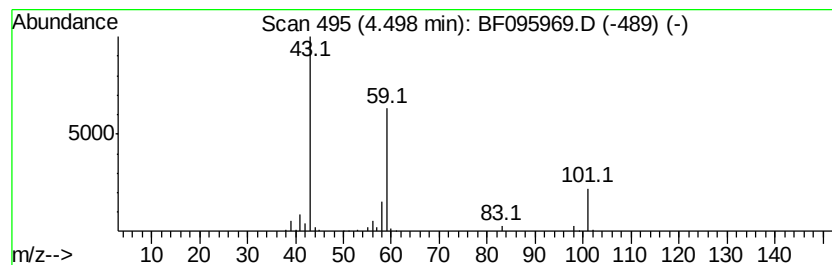
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
4.50	29.52 ng	540268	1,4-Dichlorobenzene-d4	7.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39	
3	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17	
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9	



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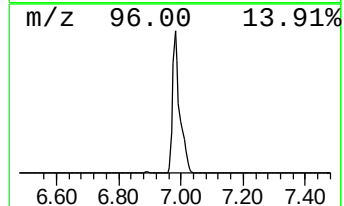
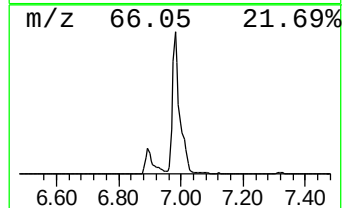
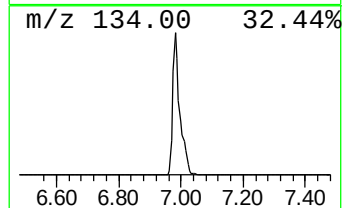
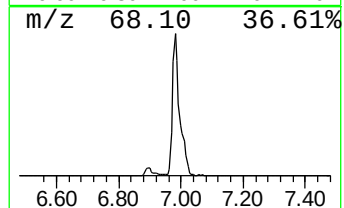
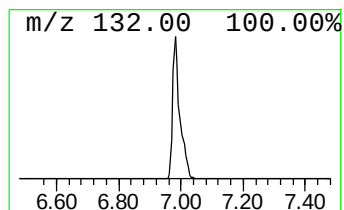
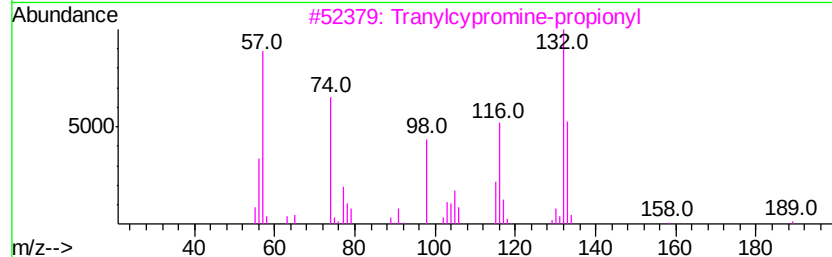
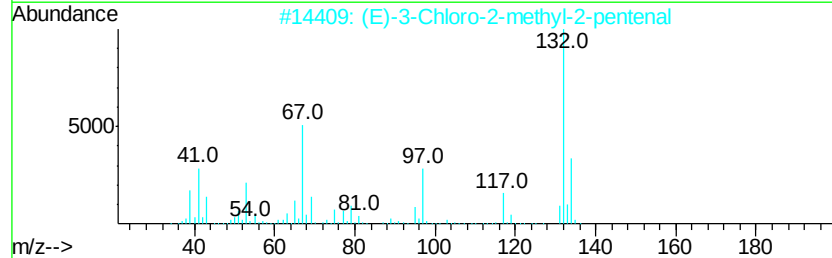
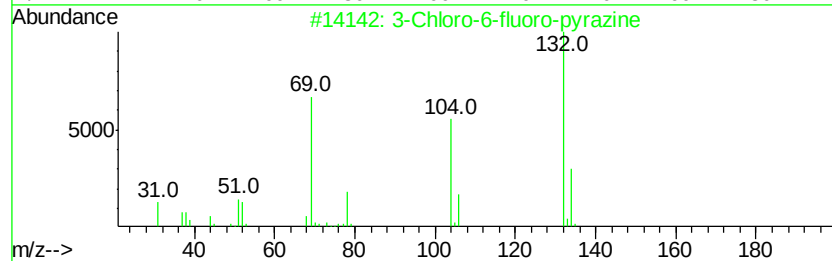
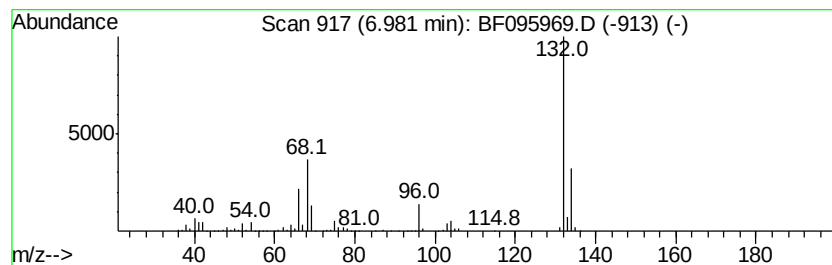
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Peak Number 2 unknown6.98 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	83.98 ng	1537040	1,4-Dichlorobenzene-d4	7.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Xenon	132	Xe	007440-63-3	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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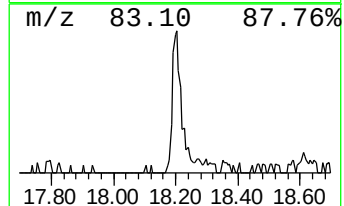
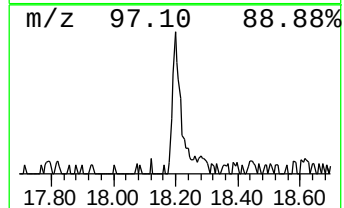
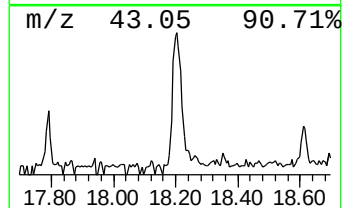
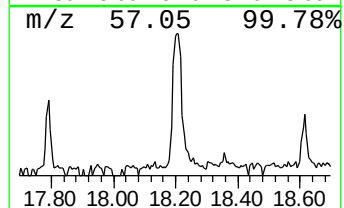
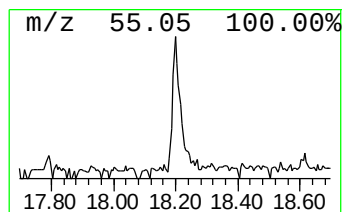
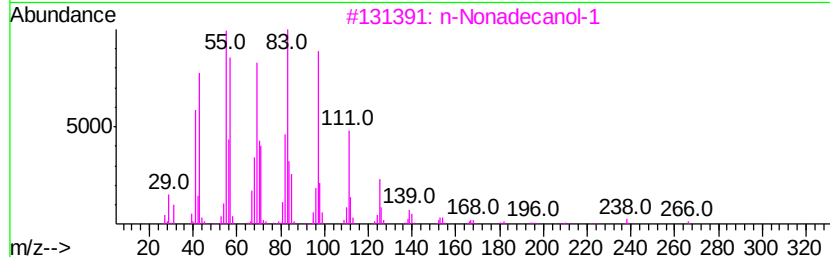
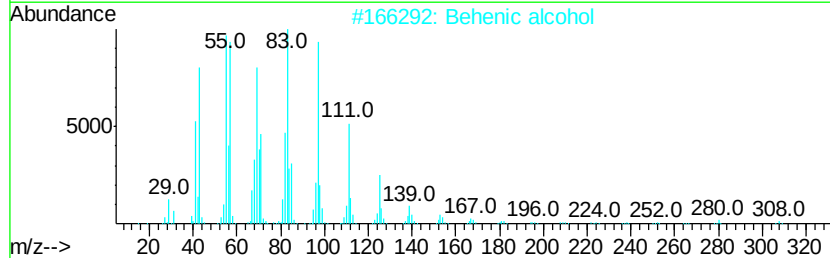
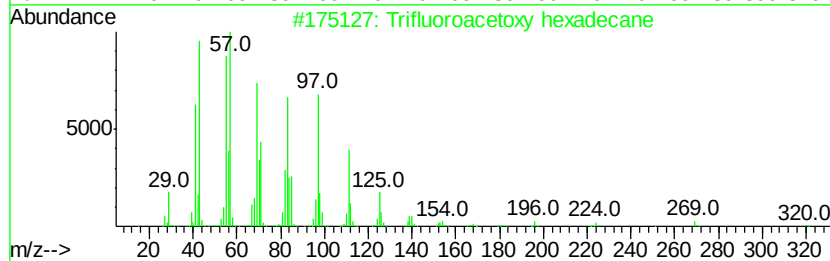
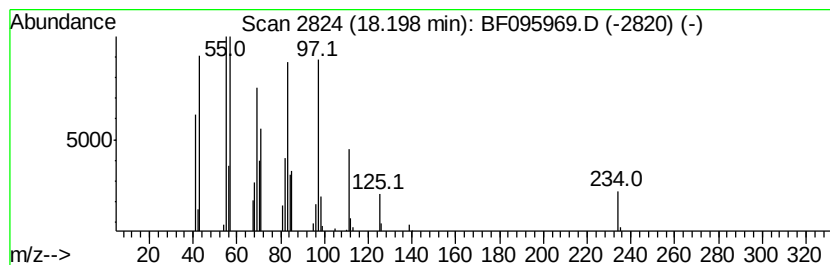
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.20	6.03 ng	129925	Chrysene-d12	18.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	94



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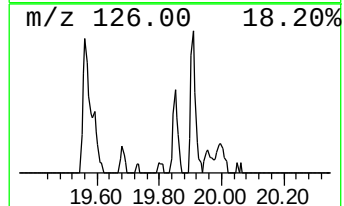
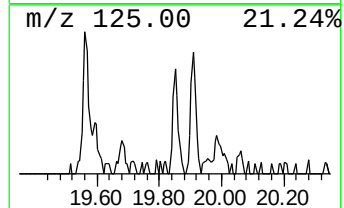
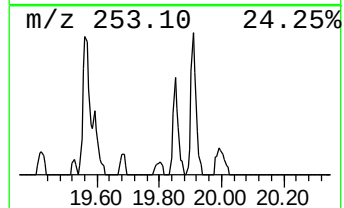
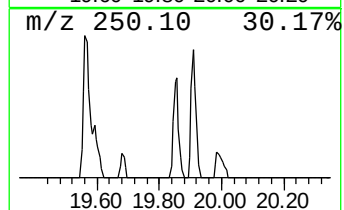
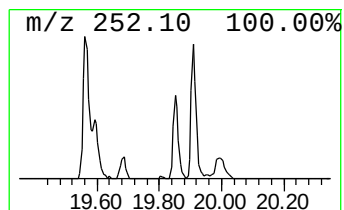
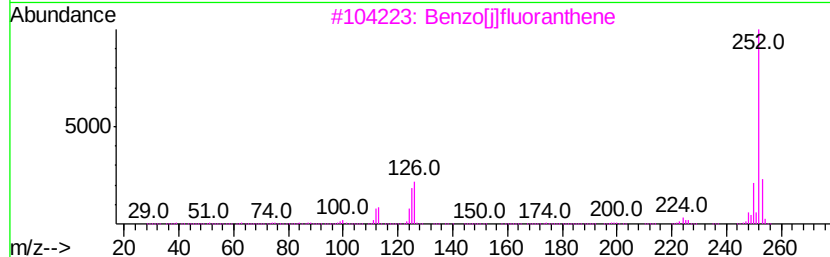
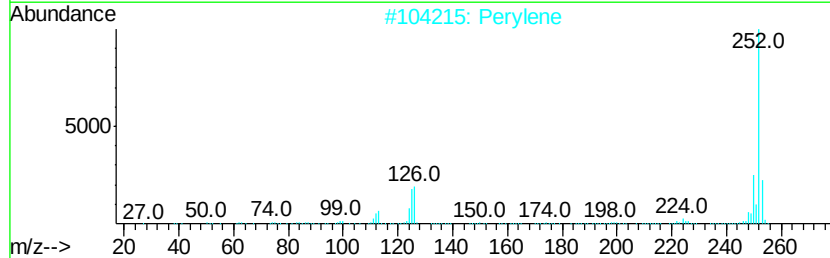
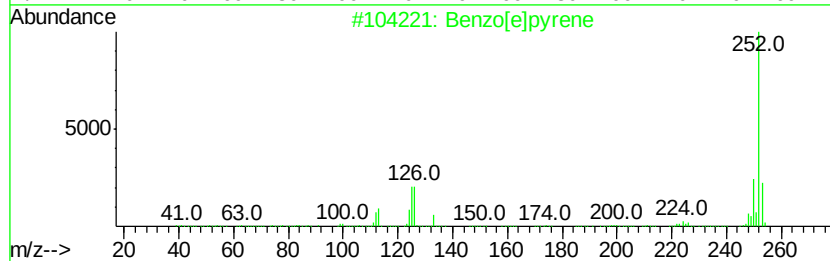
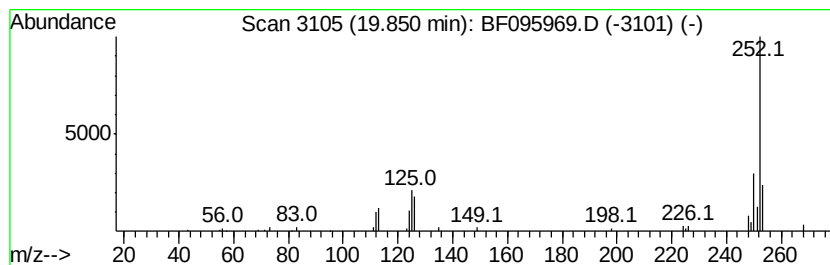
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.85	2.63 ng	52158	Perylene-d12	19.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[el]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[il]fluoranthene	252	C20H12	000205-82-3	94
4	Benz[el]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



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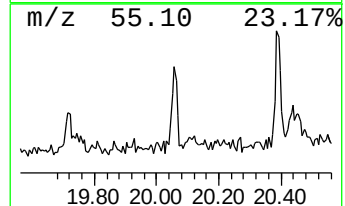
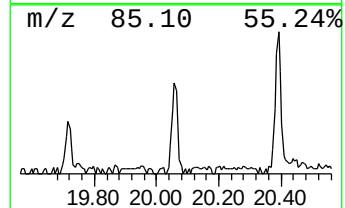
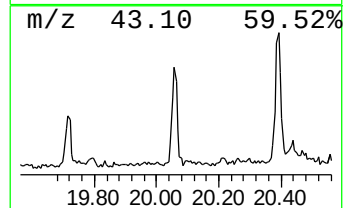
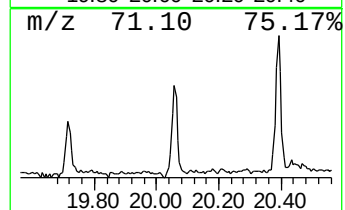
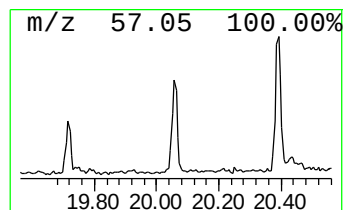
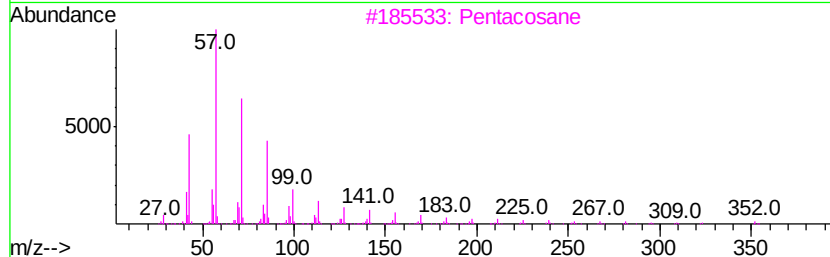
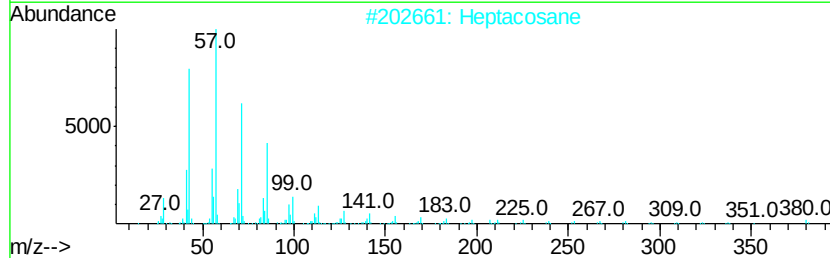
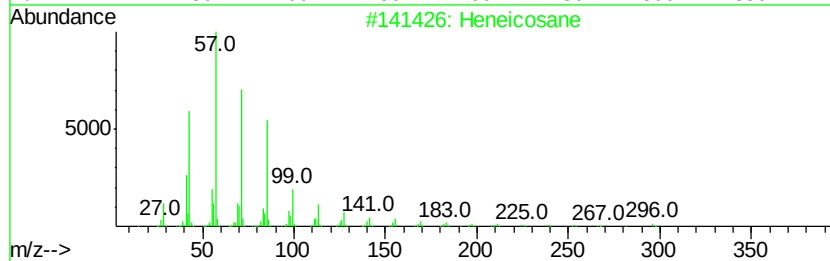
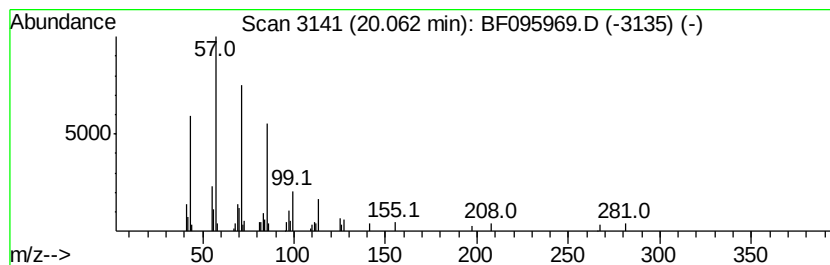
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.86 ng	76345	Perylene-d12	19.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	90
2	Heptacosane		380	C27H56	000593-49-7	90
3	Pentacosane		352	C25H52	000629-99-2	90
4	Heptadecane		240	C17H36	000629-78-7	87
5	Octacosane		394	C28H58	000630-02-4	87



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Sample : I3684-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROAD-COMP

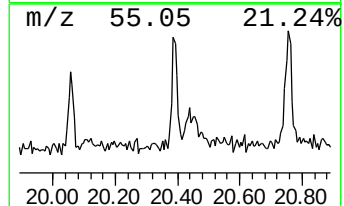
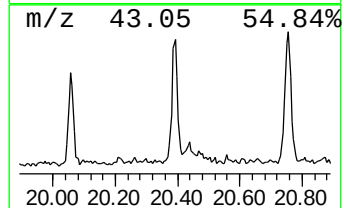
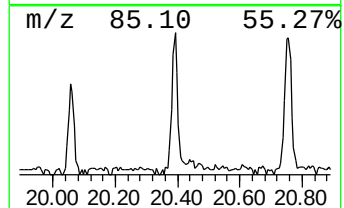
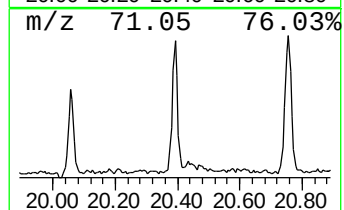
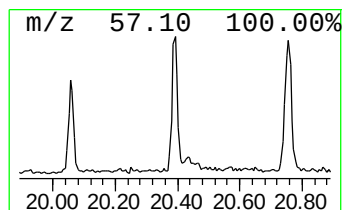
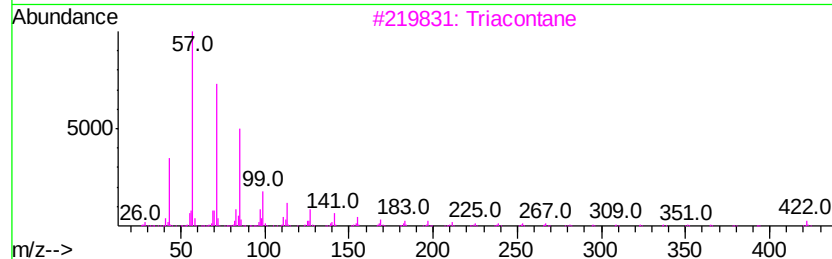
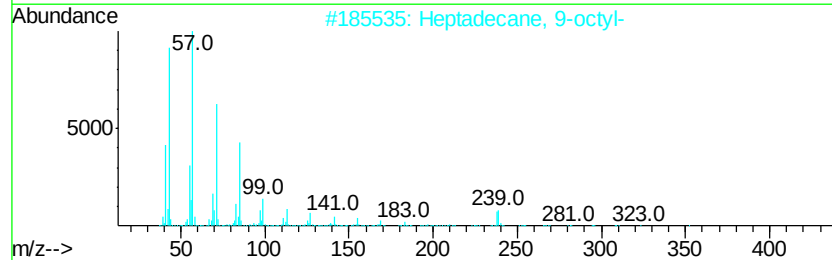
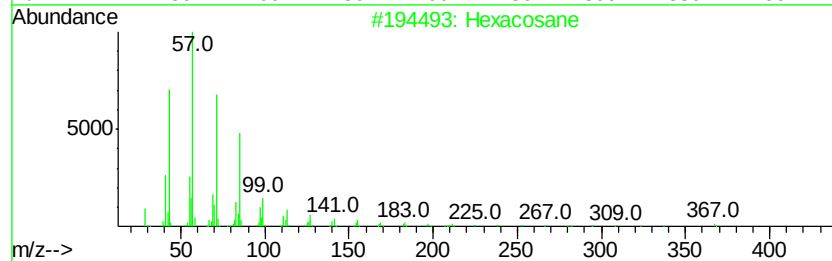
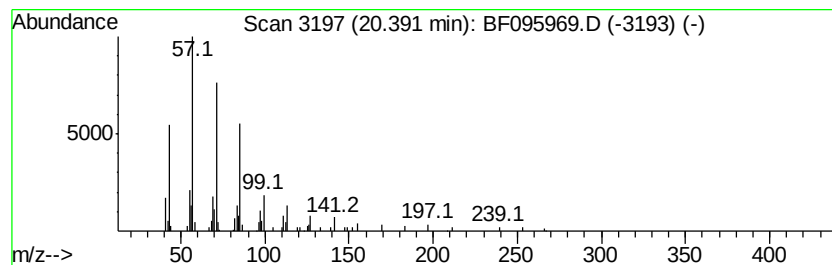
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	5.86 ng	116043	Perylene-d12	19.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3		Triacontane	422	C30H62	000638-68-6	91
4		Octadecane	254	C18H38	000593-45-3	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061617\
Data File : BF095969.D
Acq On : 16 Jun 2017 22:26
Operator : SJ/MA
Sample : I3684-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROAD-COMP

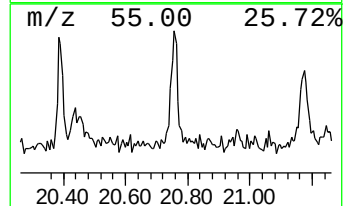
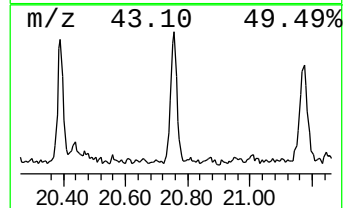
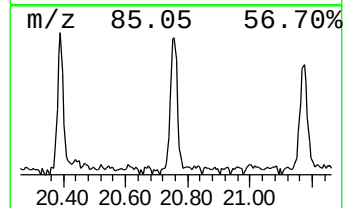
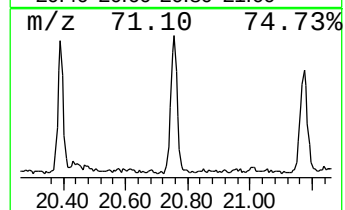
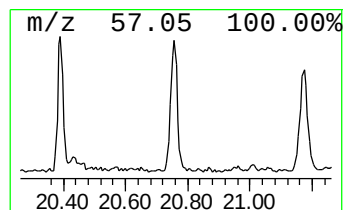
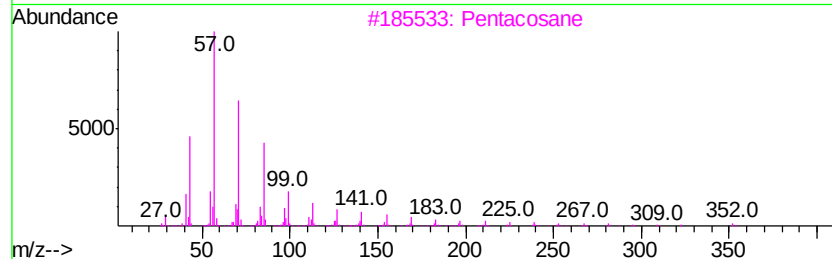
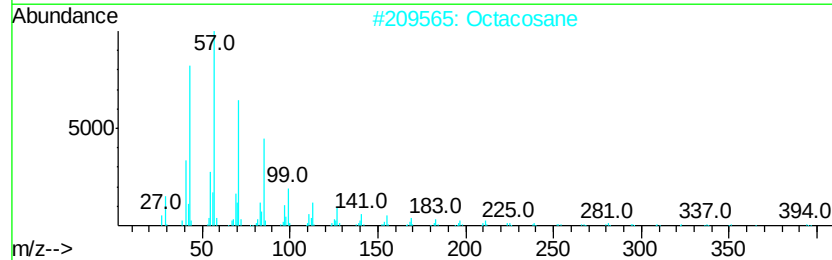
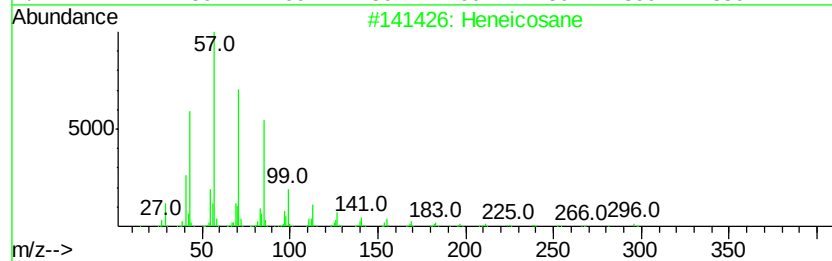
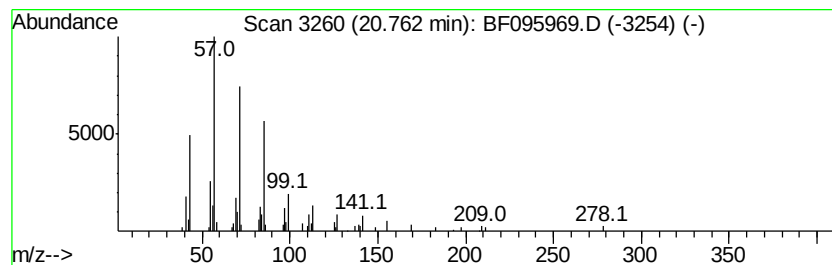
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	6.87 ng	136059	Perylene-d12	19.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Pentacosane	352	C25H52	000629-99-2	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Hexacosane	366	C26H54	000630-01-3	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061617\
Data File : BF095969.D
Acq On : 16 Jun 2017 22:26
Operator : SJ/MA
Sample : I3684-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROAD-COMP

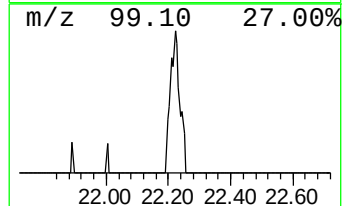
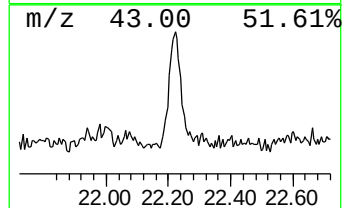
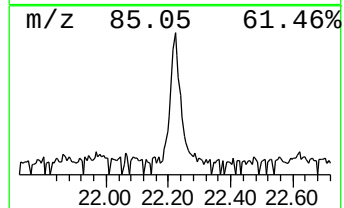
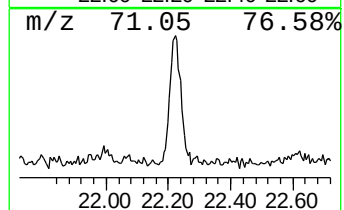
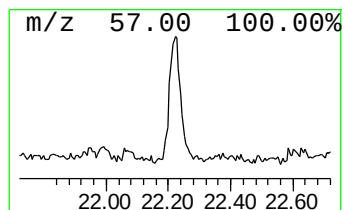
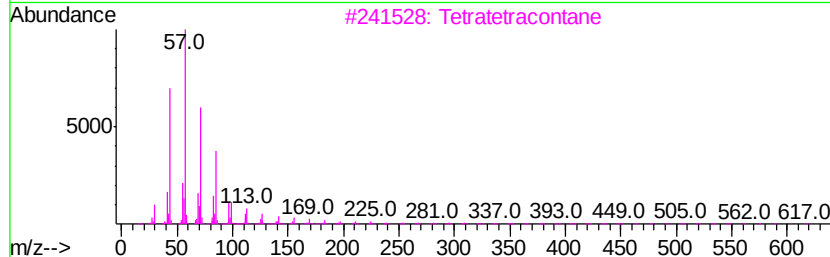
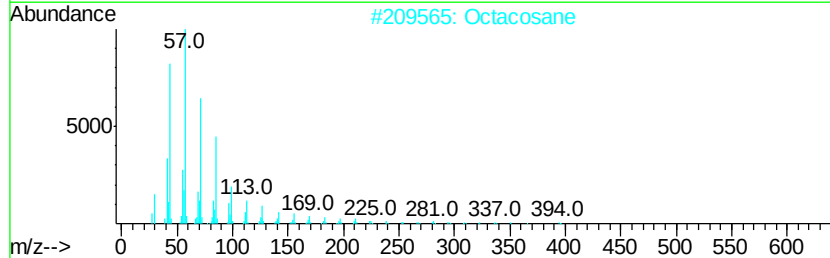
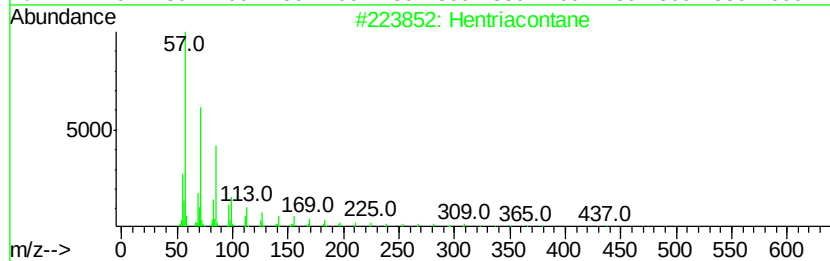
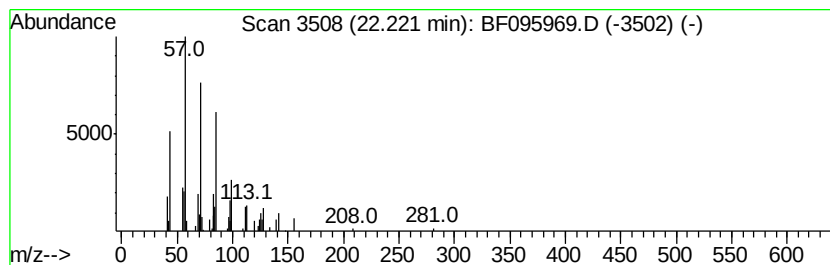
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hentriacontane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.22	3.86 ng	76324	Perylene-d12	19.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	91
2			Octacosane	394	C28H58	000630-02-4	90
3			Tetratetracontane	619	C44H90	007098-22-8	86
4			Heptacosane	380	C27H56	000593-49-7	86
5			Heptadecane, 2-methyl-	254	C18H38	001560-89-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061617\
Data File : BF095969.D
Acq On : 16 Jun 2017 22:26
Operator : SJ/MA
Sample : I3684-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROAD-COMP

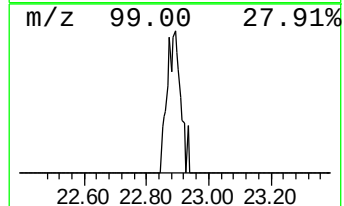
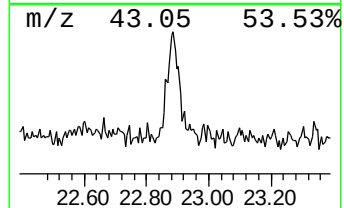
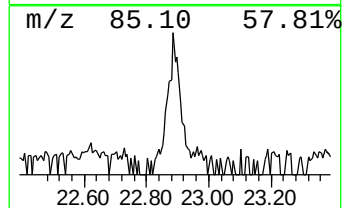
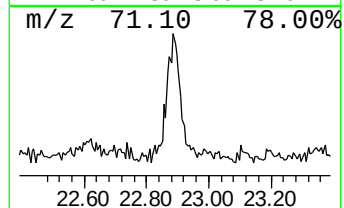
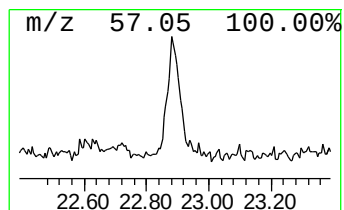
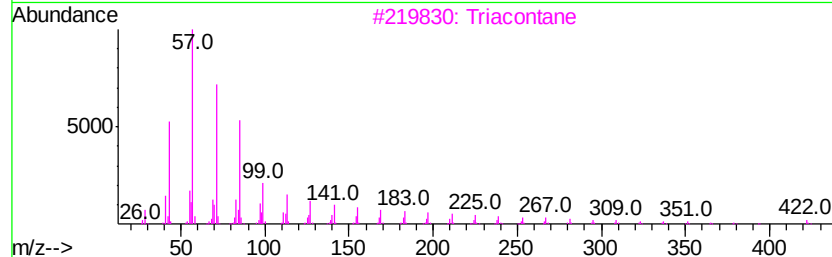
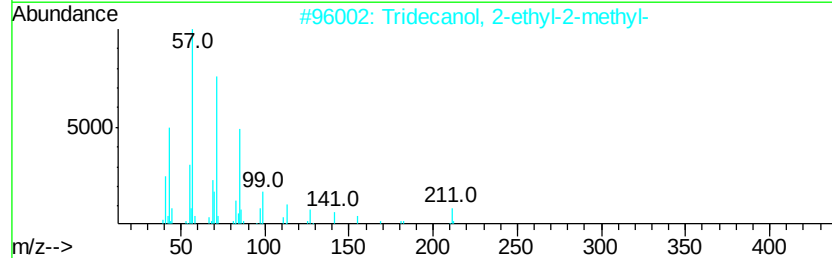
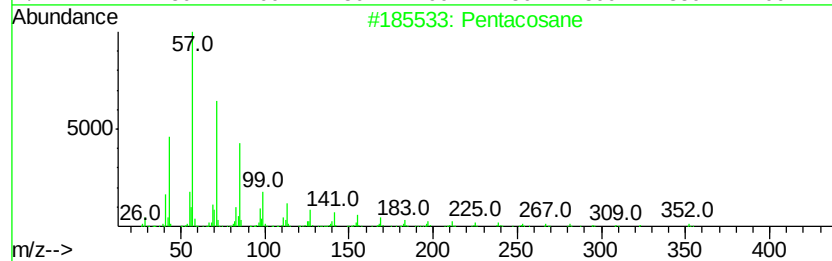
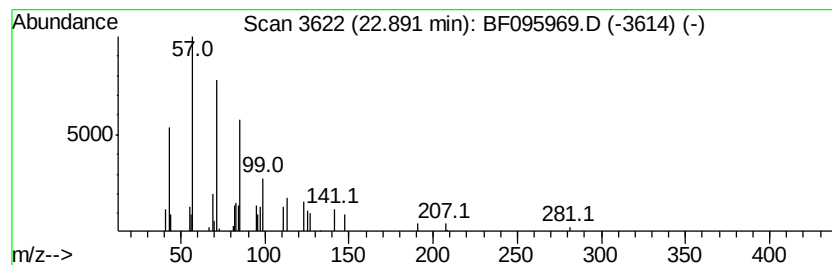
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	3.12 ng	61775	Perylene-d12	19.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacosane	352	C25H52	000629-99-2	86
2		Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	80
3		Triacontane	422	C30H62	000638-68-6	78
4		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	72
5		Hexacosane	366	C26H54	000630-01-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061617\
Data File : BF095969.D
Acq On : 16 Jun 2017 22:26
Operator : SJ/MA
Sample : I3684-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-ROAD-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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...	4.50	29.5	ng	540268	1	7.32	366052	20.0
unknown6.98	6.98	84.0	ng	1537040	1	7.32	366052	20.0
Trifluoroacetoxy ...	18.20	6.0	ng	129925	5	18.29	430585	20.0
Benzo[e]pyrene	19.85	2.6	ng	52158	6	19.96	395944	20.0
Heneicosane	20.06	3.9	ng	76345	6	19.96	395944	20.0
Hexacosane	20.39	5.9	ng	116043	6	19.96	395944	20.0
Heptacosane	20.76	6.9	ng	136059	6	19.96	395944	20.0
Hentriacontane	22.22	3.9	ng	76324	6	19.96	395944	20.0
Pentacosane	22.89	3.1	ng	61775	6	19.96	395944	20.0