

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
 Data File : BM020201.D
 Acq On : 08 May 2019 18:57
 Operator : JU/SJ
 Sample : K2641-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-A

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-BM043019.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	5.363	397	404	422	rBV	3247470	4725641	59.40%	7.379%
2	6.951	666	674	690	rBV	3182026	5171900	65.01%	8.075%
3	7.316	725	736	748	rBV	3382525	5317031	66.83%	8.302%
4	7.781	809	815	823	rBV	608286	980277	12.32%	1.531%
5	8.098	862	869	880	rBV	2316931	3807838	47.86%	5.946%
6	8.951	1006	1014	1025	rBV	1910627	3213315	40.39%	5.017%
7	10.574	1281	1290	1297	rBV	722110	1231698	15.48%	1.923%
8	13.045	1702	1710	1722	rBV	4424978	6356535	79.90%	9.925%
9	13.886	1847	1853	1861	rBV	464029	665400	8.36%	1.039%
10	14.151	1892	1898	1904	rBV	93319	155949	1.96%	0.244%
11	14.427	1939	1945	1952	rBV2	1075634	1598368	20.09%	2.496%
12	14.827	2006	2013	2017	rBV4	41220	83427	1.05%	0.130%
13	15.039	2041	2049	2054	rBV4	42436	93011	1.17%	0.145%
14	15.921	2190	2199	2207	rBV	3966968	5567616	69.98%	8.693%
15	16.145	2230	2237	2248	rVB7	66046	147131	1.85%	0.230%
16	16.474	2287	2293	2298	rBV5	51943	123623	1.55%	0.193%
17	17.174	2406	2412	2416	rBV2	1268890	1874390	23.56%	2.927%
18	17.215	2416	2419	2427	rVV	303616	448512	5.64%	0.700%
19	17.309	2430	2435	2439	rBV	97914	152298	1.91%	0.238%
20	17.362	2439	2444	2449	rVB4	42299	91622	1.15%	0.143%
21	17.750	2507	2510	2517	rVB	74927	118602	1.49%	0.185%
22	18.056	2556	2562	2566	rBV2	680481	1092680	13.73%	1.706%
23	18.098	2566	2569	2575	rVV	314853	456315	5.74%	0.712%
24	18.180	2579	2583	2587	rVV	111968	187959	2.36%	0.293%
25	18.239	2588	2593	2597	rVV2	274959	557192	7.00%	0.870%
26	18.280	2597	2600	2607	rVB	221319	319307	4.01%	0.499%
27	18.550	2642	2646	2649	rBV3	68390	87986	1.11%	0.137%
28	18.845	2693	2696	2700	rBV	88954	117617	1.48%	0.184%
29	18.886	2700	2703	2707	rVB2	67242	88108	1.11%	0.138%
30	18.968	2712	2717	2721	rBV	300410	494541	6.22%	0.772%
31	19.027	2722	2727	2730	rVV3	108248	209313	2.63%	0.327%
32	19.056	2730	2732	2736	rVB	109008	133895	1.68%	0.209%
33	19.103	2737	2740	2747	rBV5	96612	255539	3.21%	0.399%
34	19.233	2757	2762	2767	rBV	588216	789107	9.92%	1.232%

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

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.339	2776	2780	2784	rBV3	112306	148011	1.86%	0.231%
36	19.386	2785	2788	2793	rVB	103270	123057	1.55%	0.192%
37	19.597	2820	2824	2832	rVB	832228	1210267	15.21%	1.890%
38	19.674	2833	2837	2842	rVB	105512	163307	2.05%	0.255%
39	19.803	2853	2859	2870	rVB	6379906	7955500	100.00%	12.422%
40	19.921	2875	2879	2881	rBV4	107977	177022	2.23%	0.276%
41	20.091	2906	2908	2912	rVB	258086	292314	3.67%	0.456%
42	20.191	2922	2925	2930	rBV2	121105	159384	2.00%	0.249%
43	20.250	2932	2935	2939	rVB	200065	245615	3.09%	0.384%
44	20.391	2956	2959	2963	rBV	190116	256677	3.23%	0.401%
45	20.439	2964	2967	2979	rVB2	215143	393553	4.95%	0.615%
46	21.056	3068	3072	3081	rBV3	907938	1252593	15.74%	1.956%
47	21.362	3118	3124	3128	rBV2	1750960	2699611	33.93%	4.215%
48	21.397	3128	3130	3135	rVB	399545	477817	6.01%	0.746%
49	23.656	3509	3514	3521	rVB	987857	1775930	22.32%	2.773%

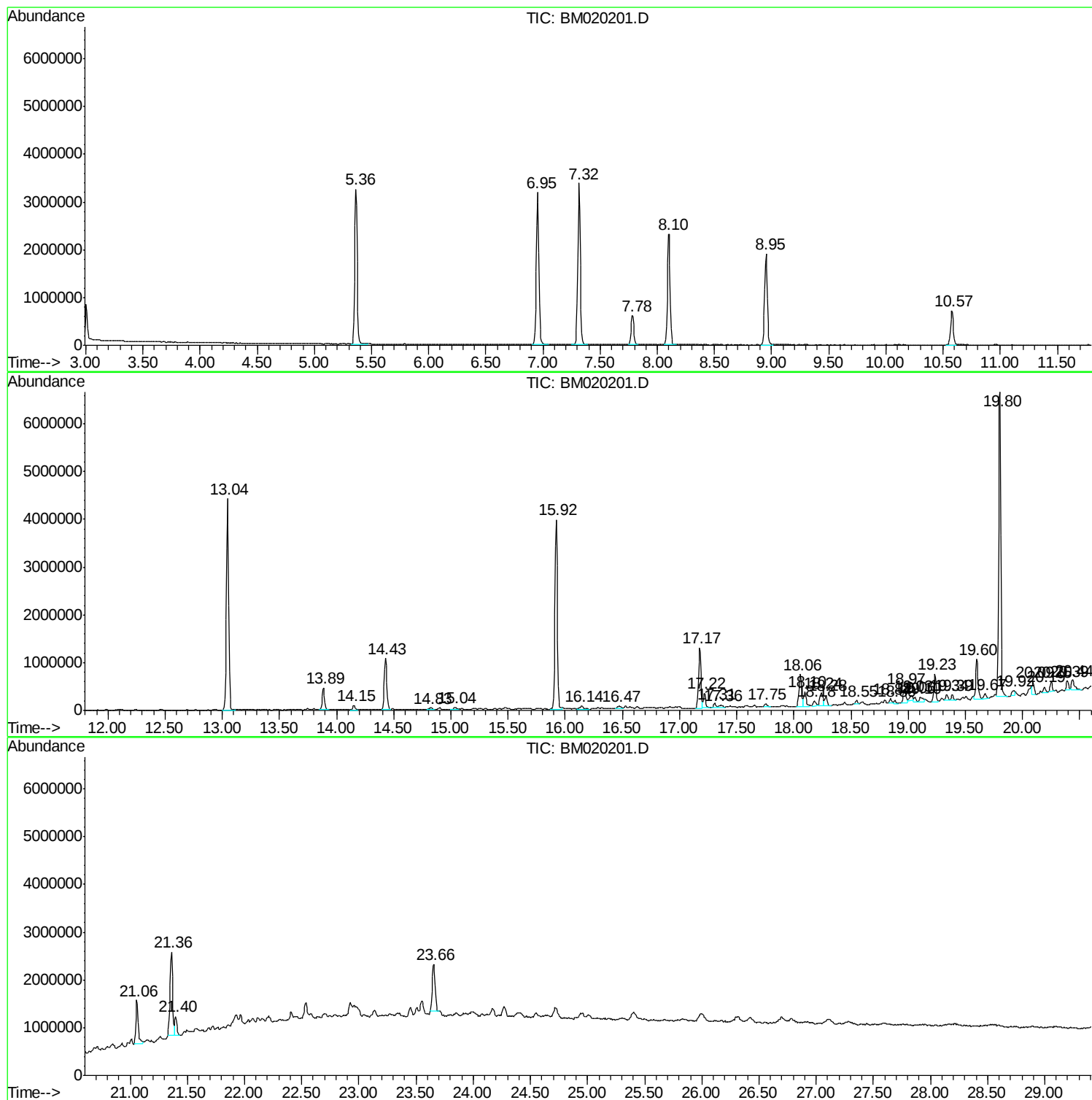
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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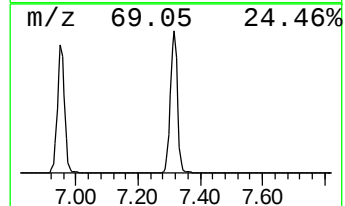
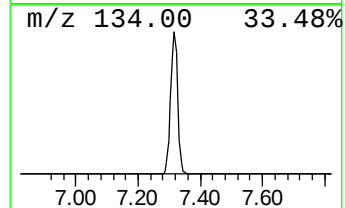
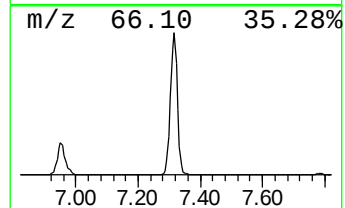
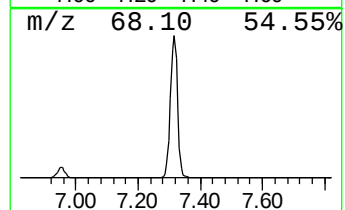
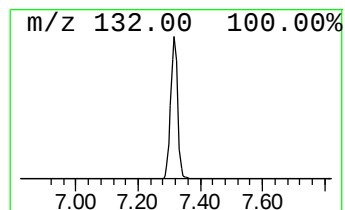
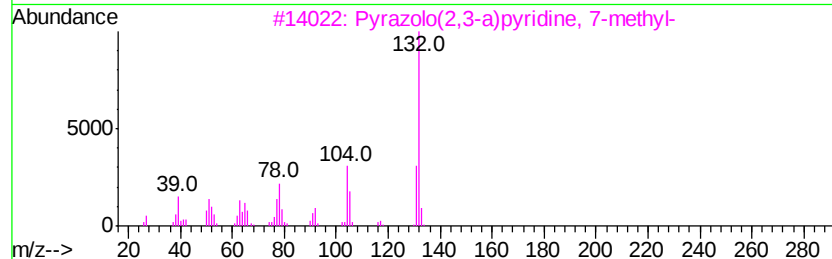
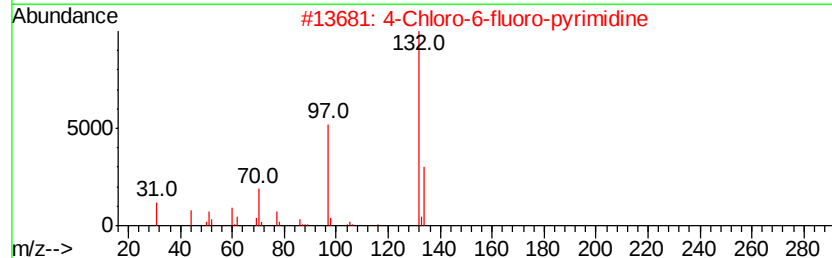
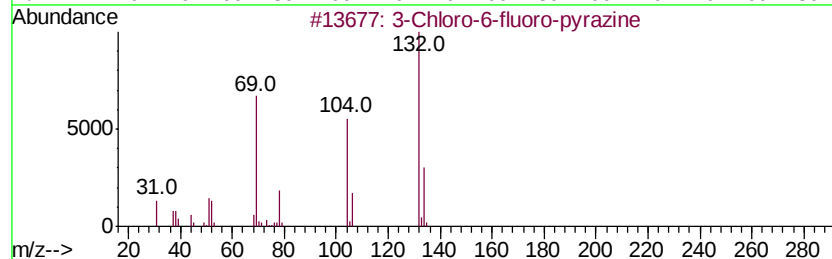
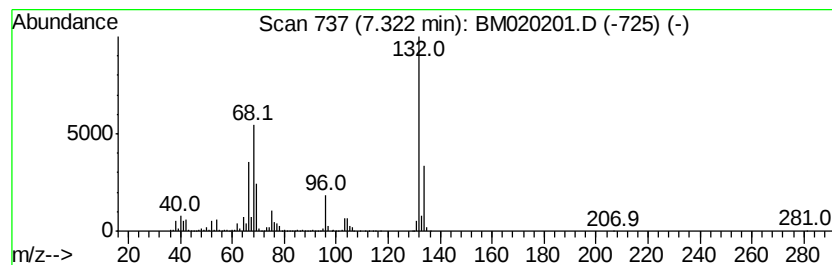
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown7.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	108.48 ng	5317030	1,4-Dichlorobenzene-d4	7.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



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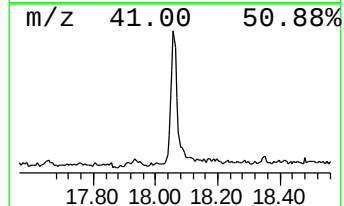
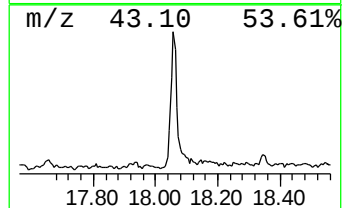
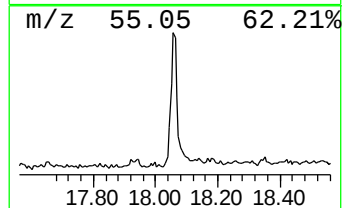
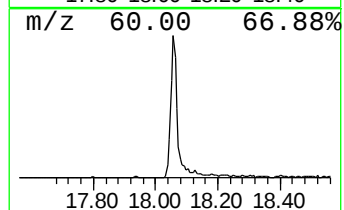
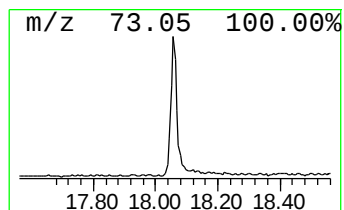
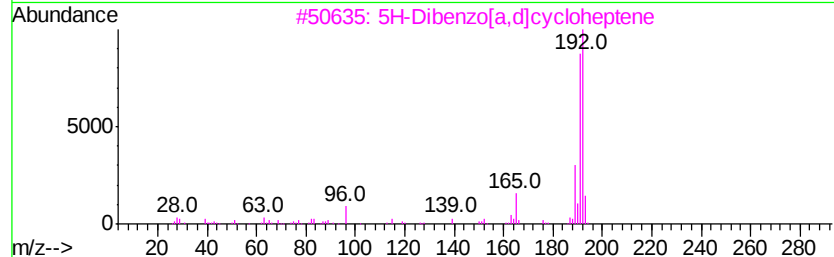
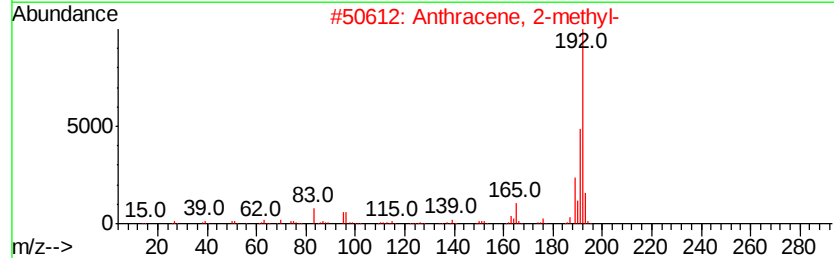
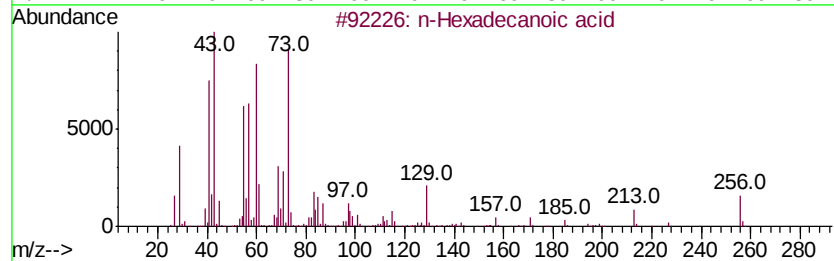
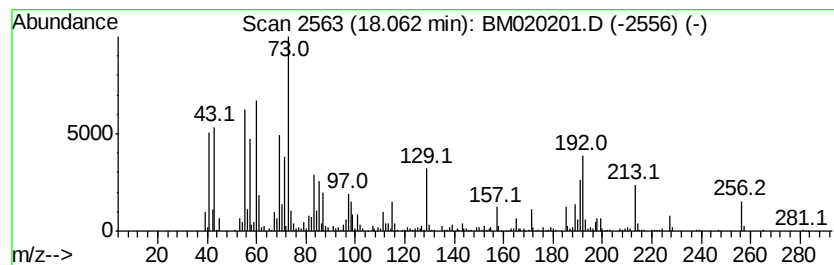
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	11.66 ng	1092680	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	78
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	68



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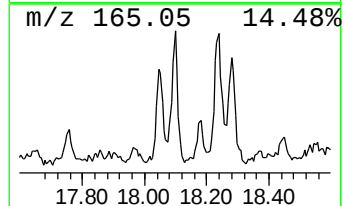
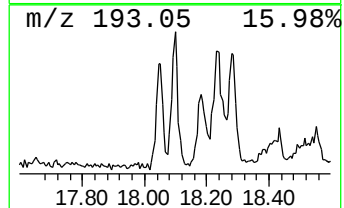
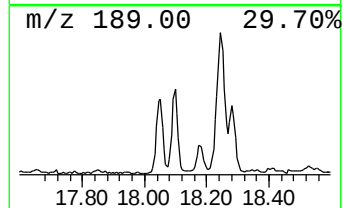
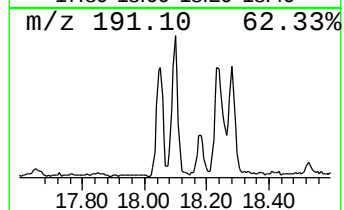
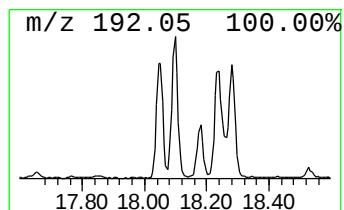
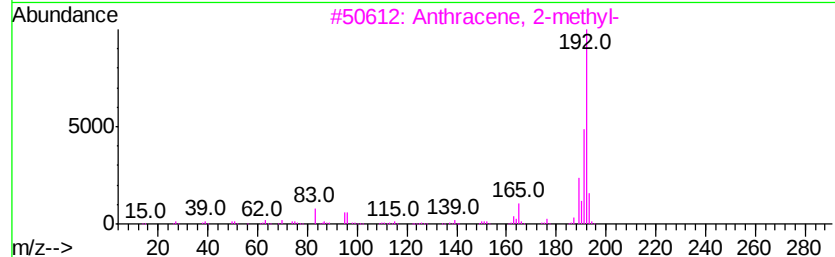
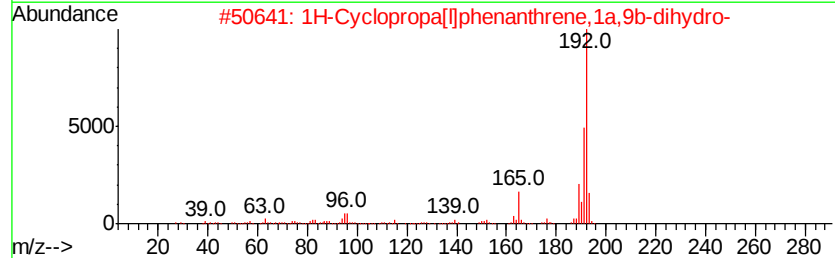
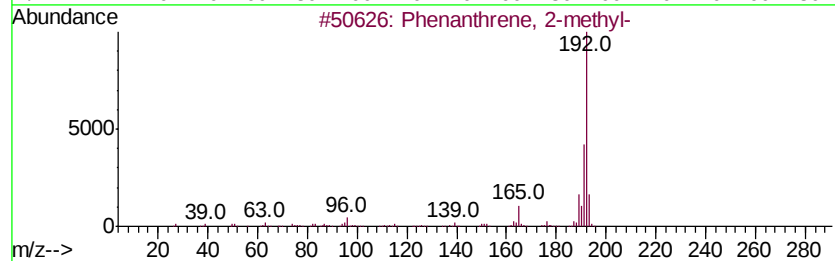
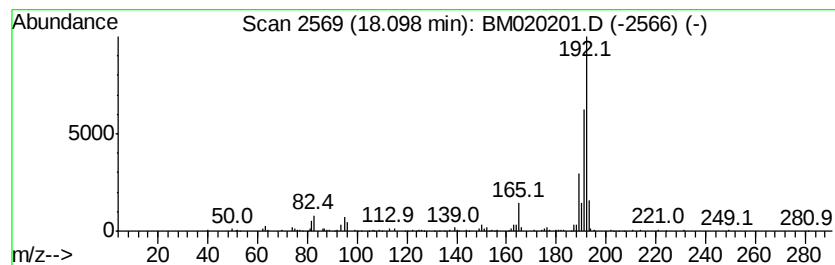
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	4.87 ng	456315	Phenanthrene-d10	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



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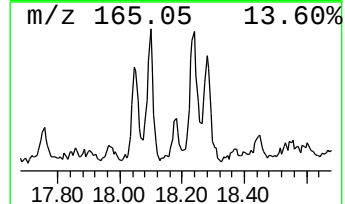
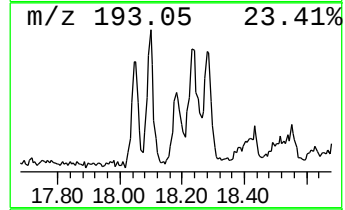
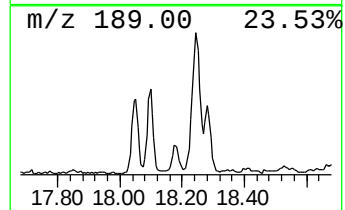
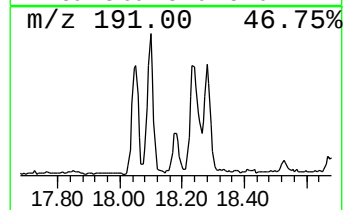
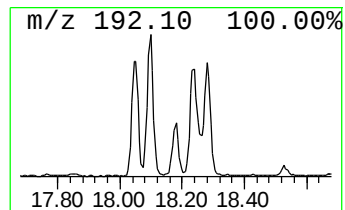
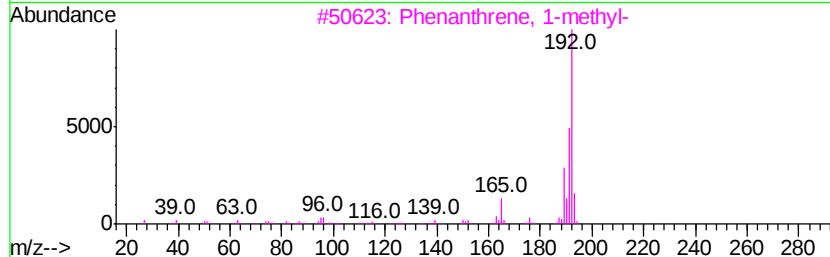
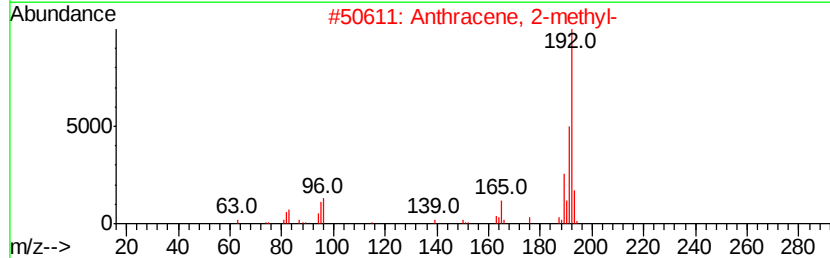
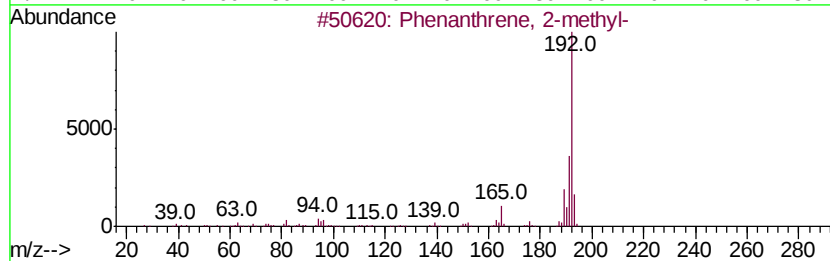
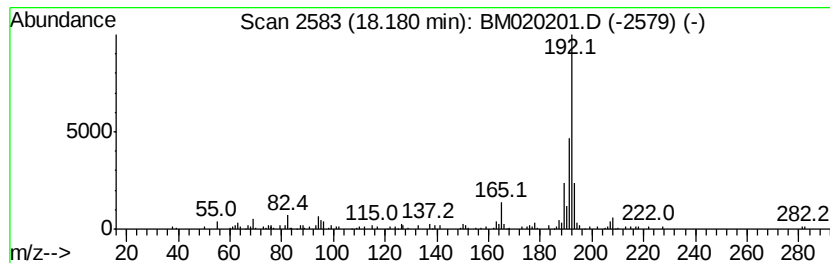
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.01 ng	187959	Phenanthrene-d10	17.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



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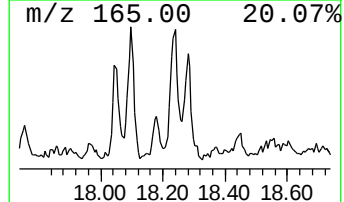
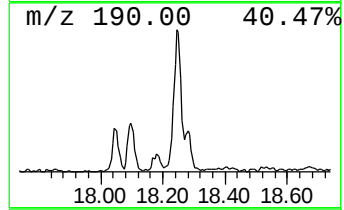
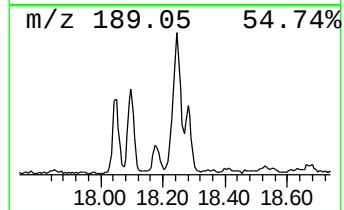
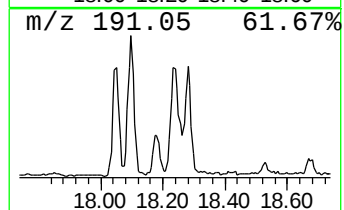
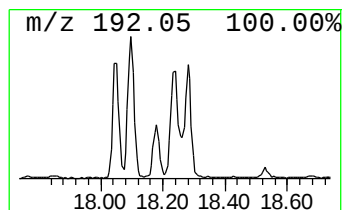
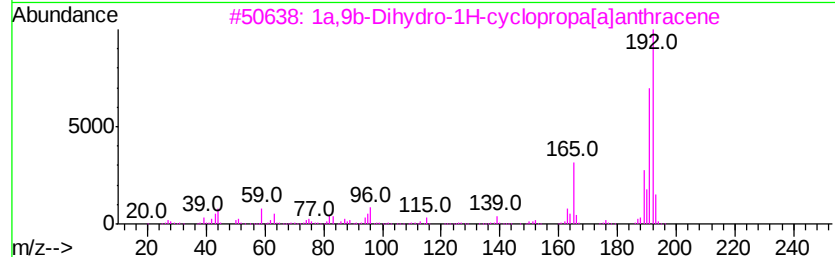
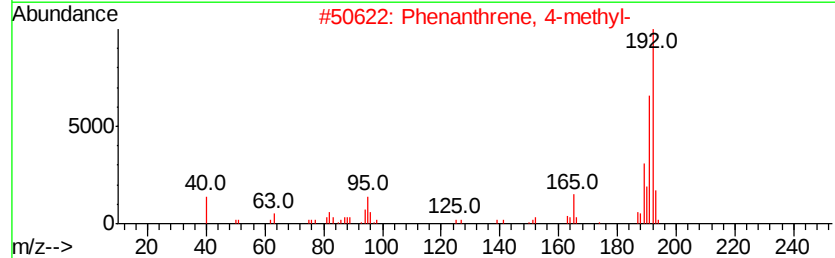
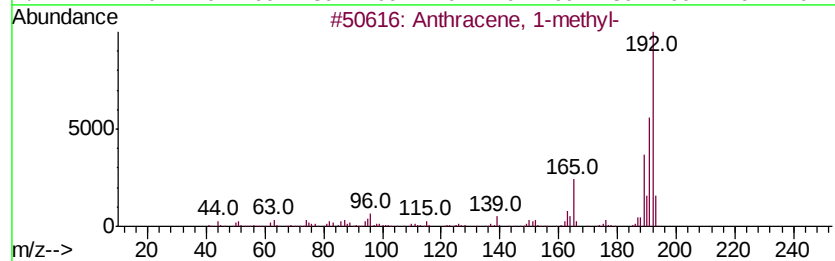
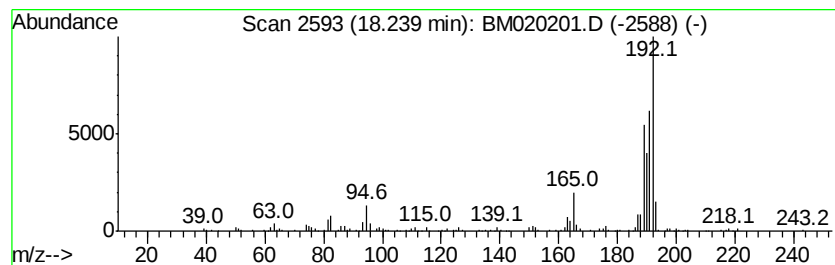
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ClientSampleId :
CL-02-050719-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.24	5.95 ng	557192	Phenanthrene-d10	17.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3	1a,9b-Dihydro-1H-cyclopropa[fa]lan...	192	C15H12	006109-24-6	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020201.D
Acq On : 08 May 2019 18:57
Operator : JU/SJ
Sample : K2641-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-050719-A

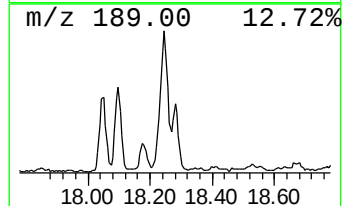
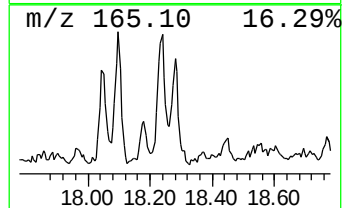
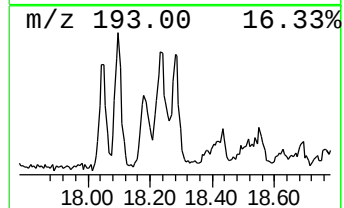
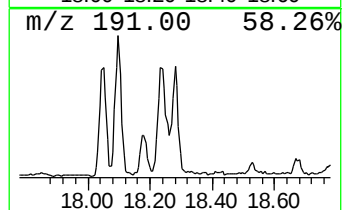
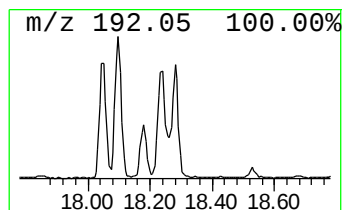
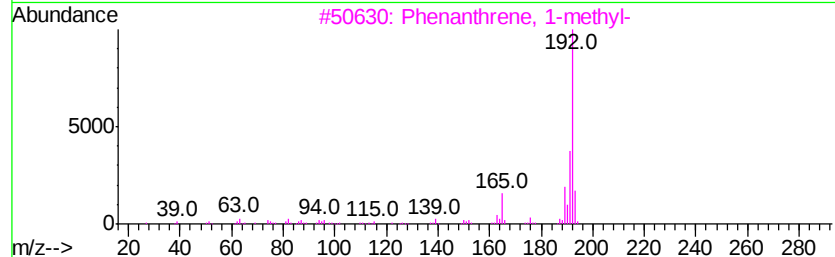
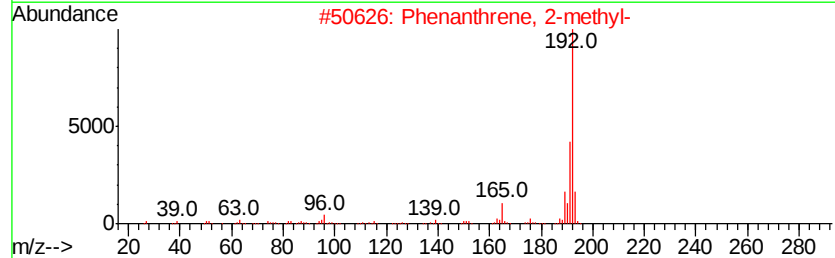
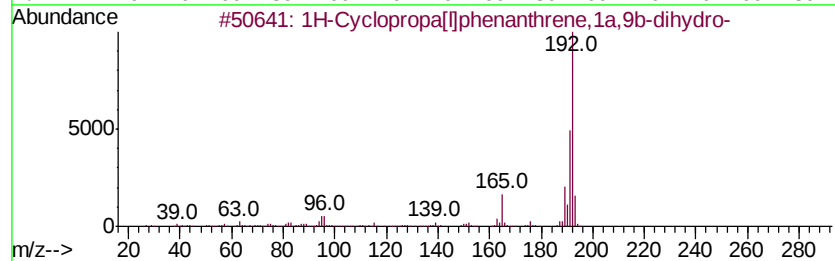
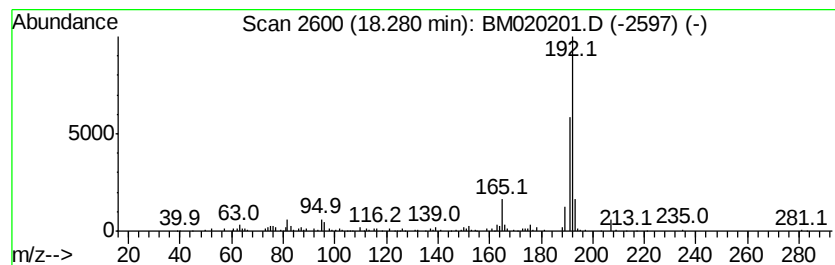
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.41 ng	319307	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020201.D
Acq On : 08 May 2019 18:57
Operator : JU/SJ
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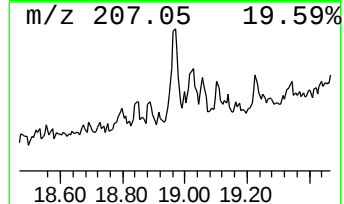
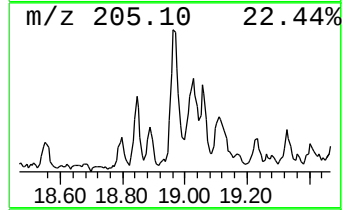
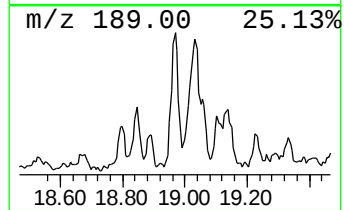
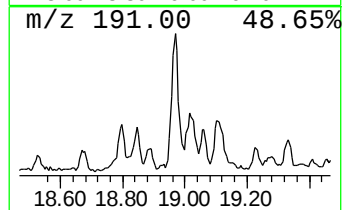
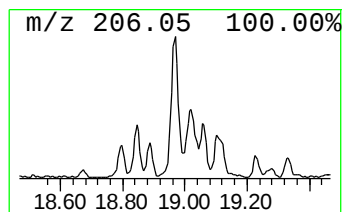
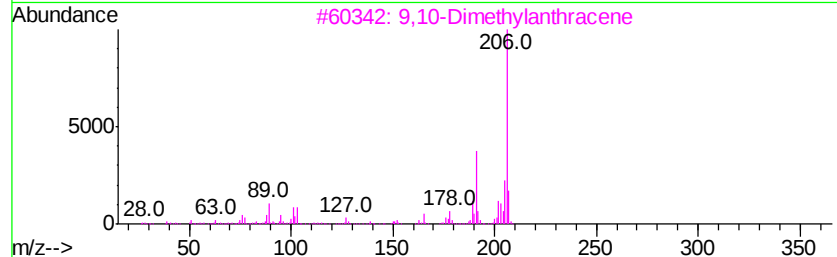
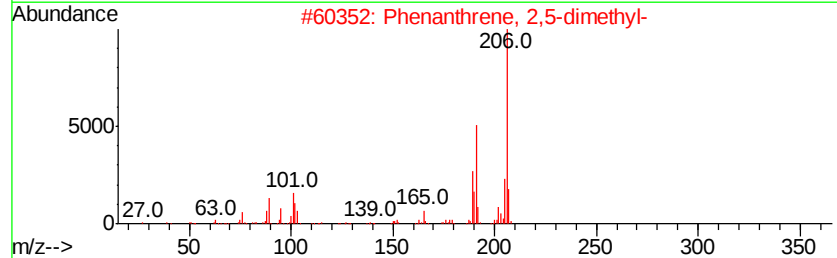
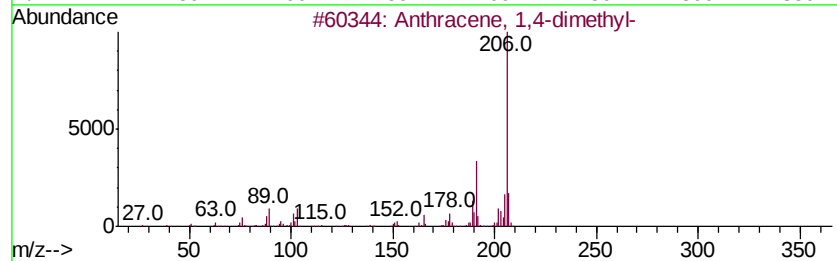
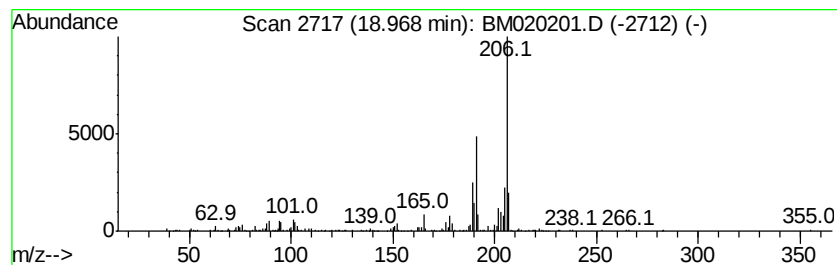
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.28 ng	494541	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020201.D
Acq On : 08 May 2019 18:57
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ClientSampleId :
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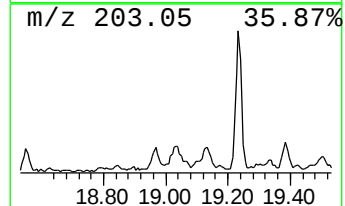
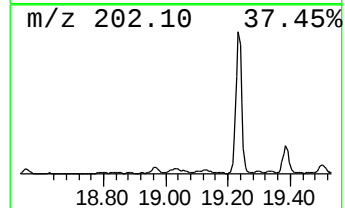
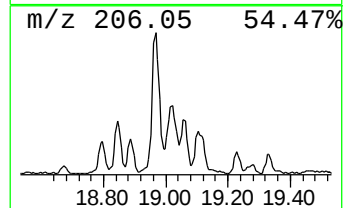
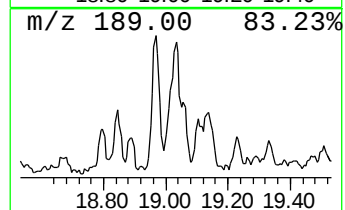
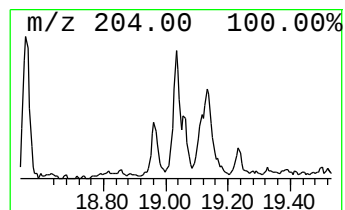
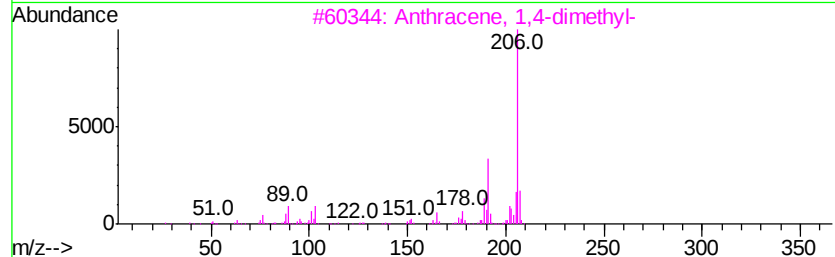
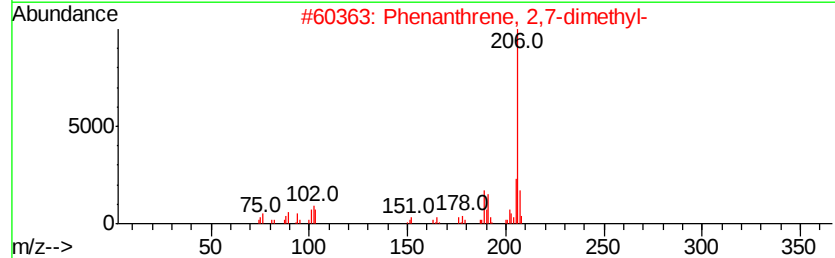
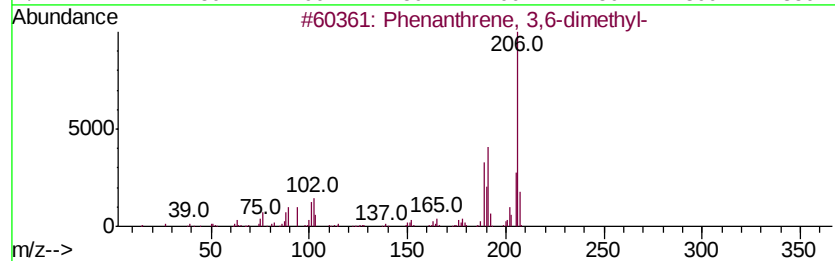
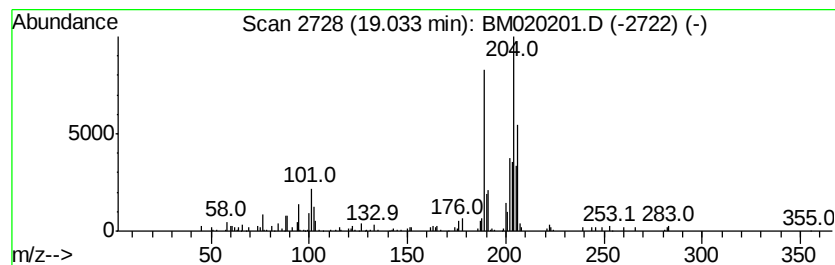
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.23 ng	209313	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46
4		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	45
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020201.D
Acq On : 08 May 2019 18:57
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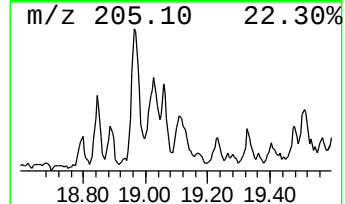
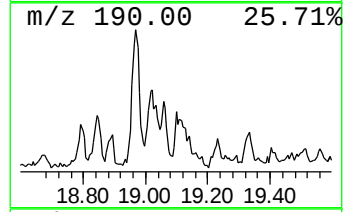
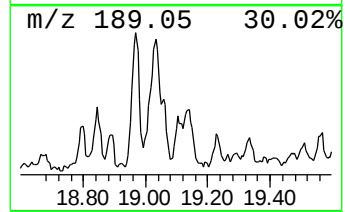
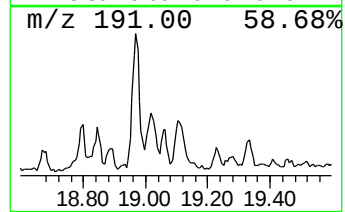
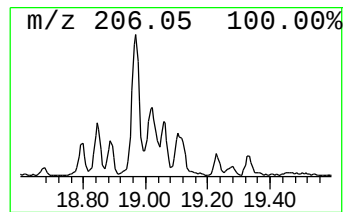
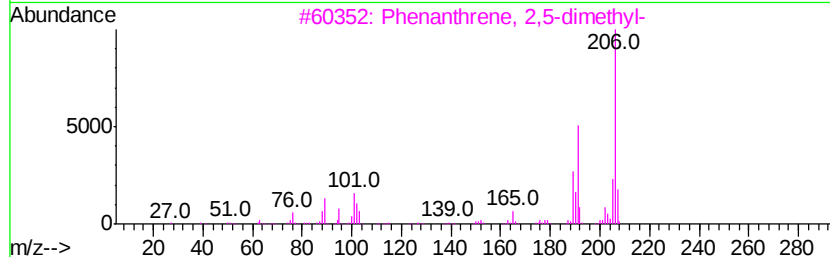
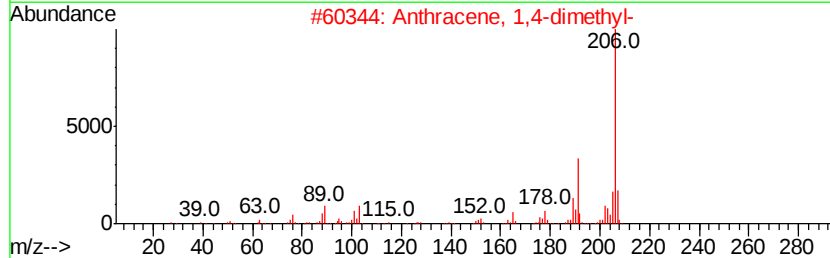
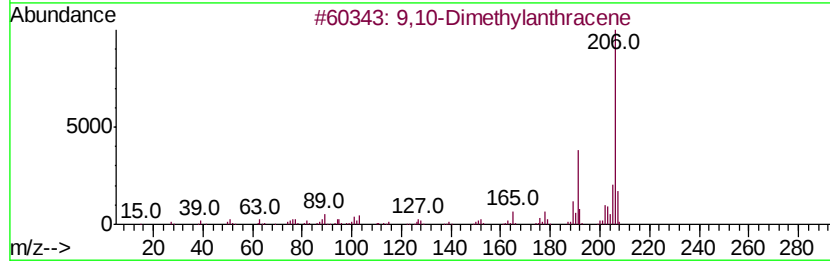
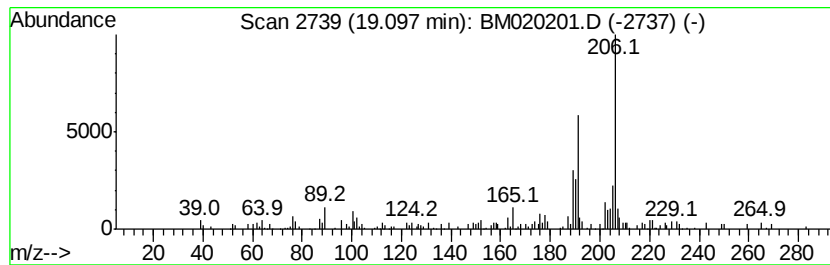
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.73 ng	255539	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	89
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
5		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020201.D
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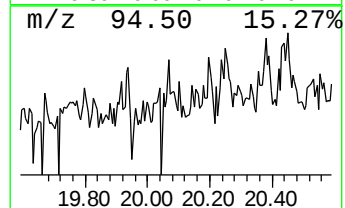
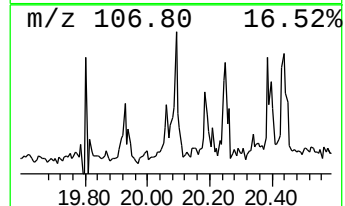
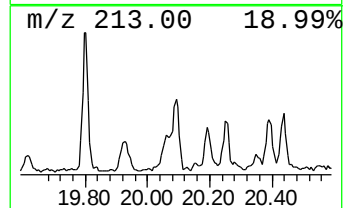
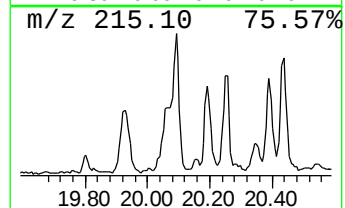
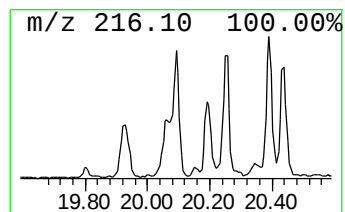
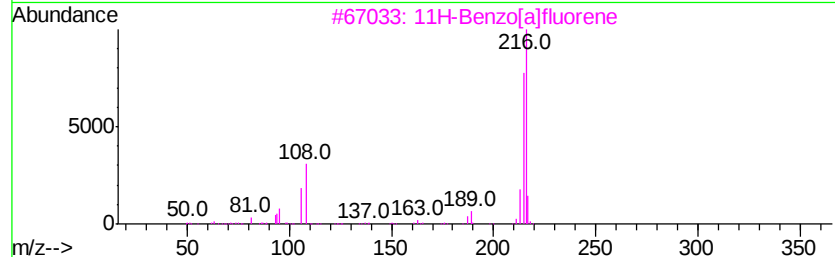
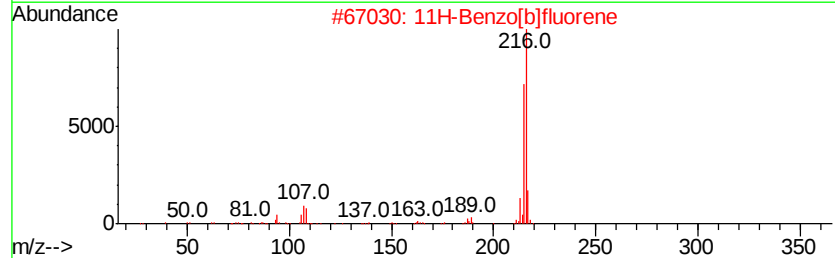
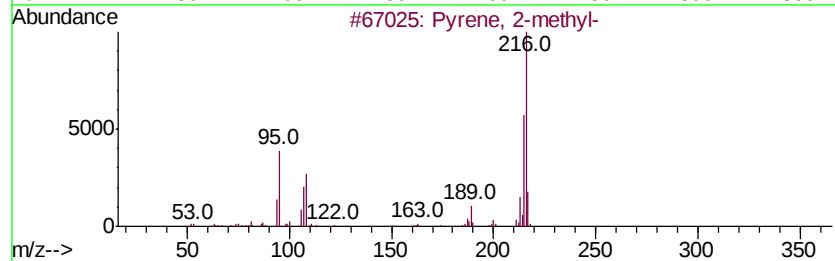
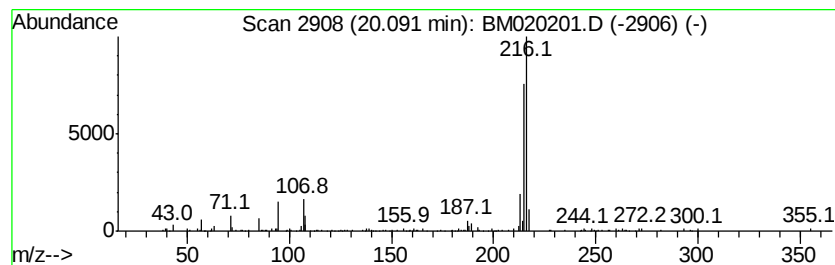
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.17 ng	292314	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4		trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	56



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
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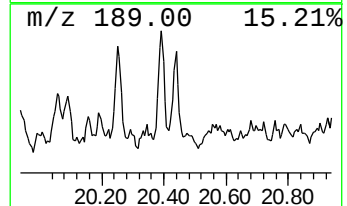
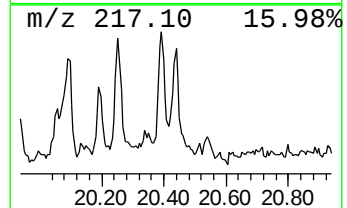
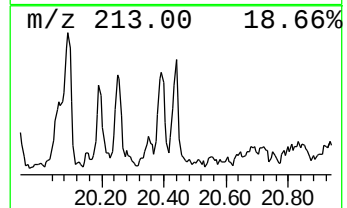
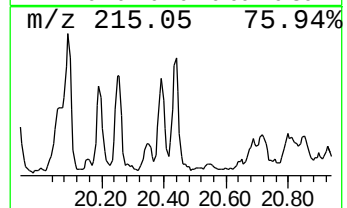
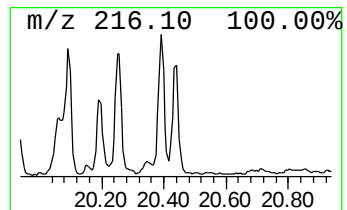
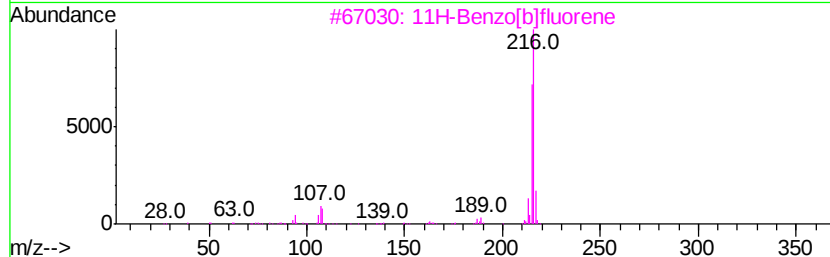
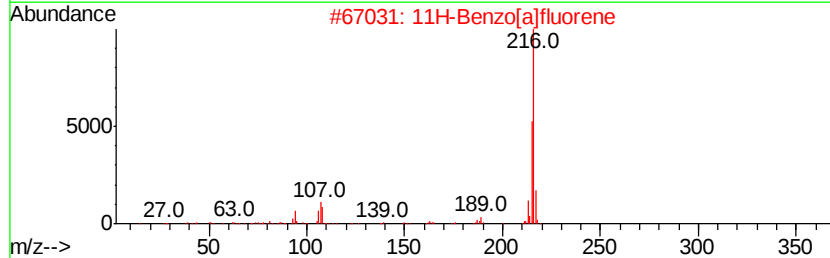
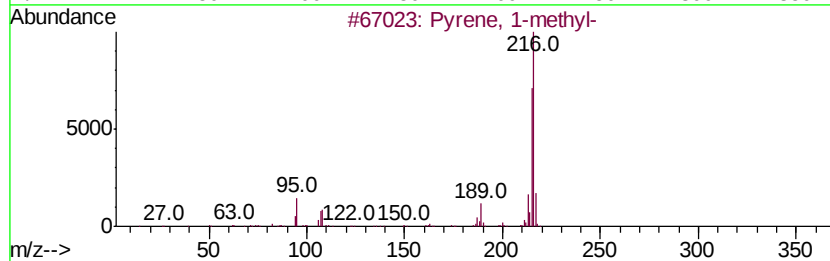
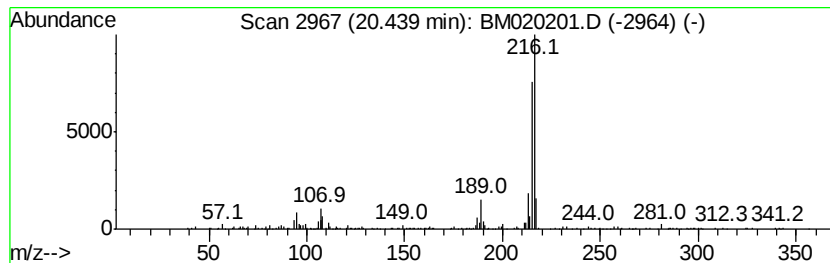
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	2.92 ng	393553	Chrysene-d12	21.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020201.D
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Operator : JU/SJ
Sample : K2641-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-A

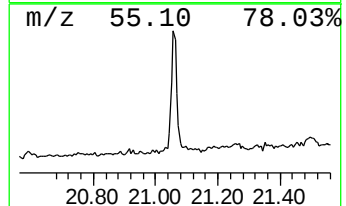
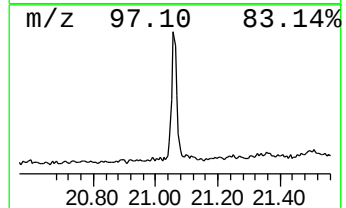
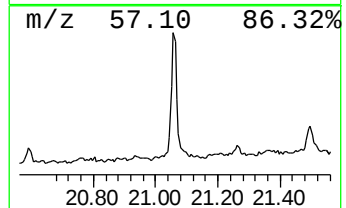
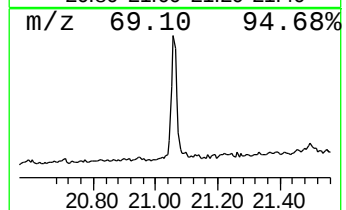
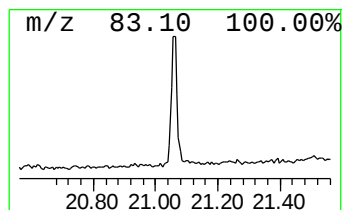
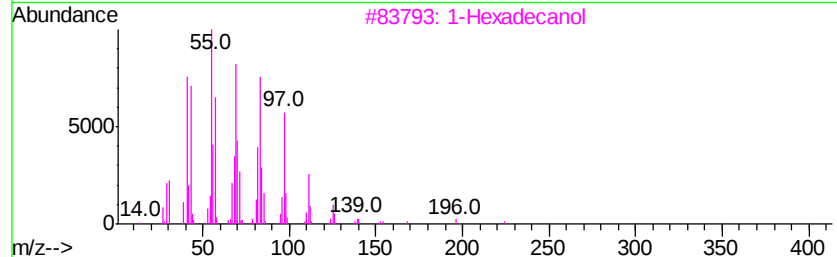
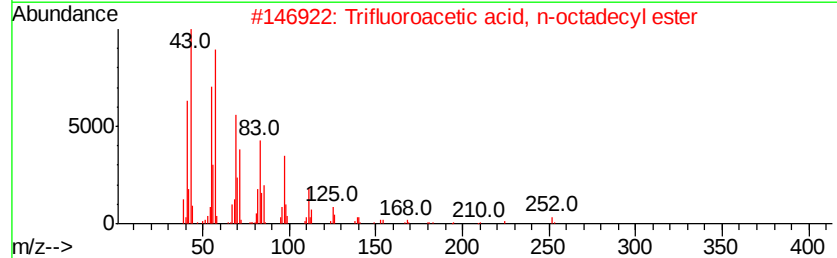
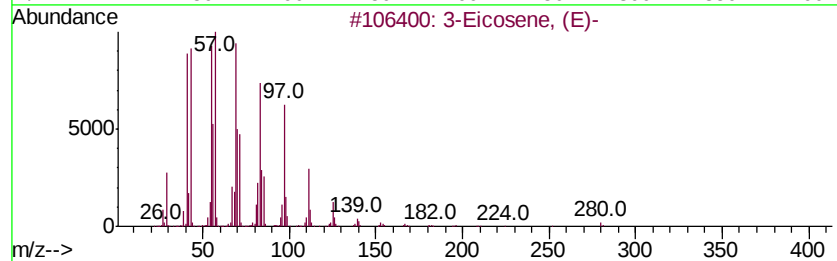
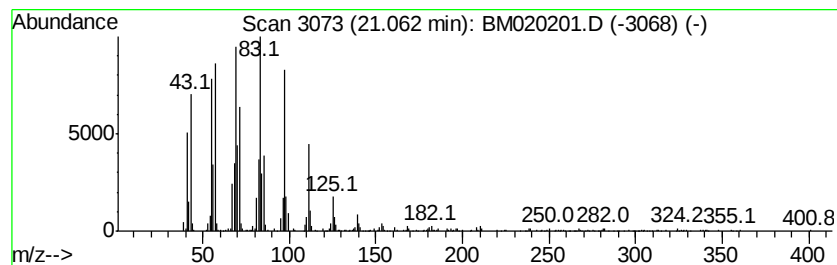
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	9.28 ng	1252590	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
2		Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	87
3		1-Hexadecanol	242	C16H34O	036653-82-4	87
4		Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	86
5		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
Data File : BM020201.D
Acq On : 08 May 2019 18:57
Operator : JU/SJ
Sample : K2641-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.32	7.32	108.5	ng	5317030	1	7.79	980277	20.0
n-Hexadecanoic acid	18.06	11.7	ng	1092680	4	17.17	1874390	20.0
Phenanthrene, 2-m...	18.10	4.9	ng	456315	4	17.17	1874390	20.0
Anthracene, 2-met...	18.18	2.0	ng	187959	4	17.17	1874390	20.0
Anthracene, 1-met...	18.24	6.0	ng	557192	4	17.17	1874390	20.0
1H-Cyclopropa[l]p...	18.28	3.4	ng	319307	4	17.17	1874390	20.0
Anthracene, 1,4-d...	18.97	5.3	ng	494541	4	17.17	1874390	20.0
Phenanthrene, 3,6...	19.03	2.2	ng	209313	4	17.17	1874390	20.0
9,10-Dimethylanthe...	19.10	2.7	ng	255539	4	17.17	1874390	20.0
Pyrene, 2-methyl-	20.09	2.2	ng	292314	5	21.36	2699610	20.0
Pyrene, 1-methyl-	20.44	2.9	ng	393553	5	21.36	2699610	20.0
3-Eicosene, (E)-	21.06	9.3	ng	1252590	5	21.36	2699610	20.0