

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
 Data File : BM018525.D
 Acq On : 11 Jan 2019 01:05
 Operator : JU/SJ
 Sample : K1099-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-18

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-BM010919.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	4.898	303	308	318	rVB	622125	879634	2.81%	0.324%
2	5.351	378	385	401	rBV	10762324	15108313	48.20%	5.560%
3	6.939	643	655	670	rBV	11410567	18482634	58.96%	6.802%
4	7.298	708	716	723	rBV	11713693	18569265	59.24%	6.834%
5	7.363	723	727	730	rVV	569402	859325	2.74%	0.316%
6	7.398	730	733	740	rVB	331204	523552	1.67%	0.193%
7	7.757	789	794	801	rBV	2131200	3384862	10.80%	1.246%
8	8.081	841	849	857	rVB	8581031	13663306	43.59%	5.028%
9	8.928	985	993	1009	rBV	6921810	11757764	37.51%	4.327%
10	10.551	1263	1269	1275	rBV	2895219	4826676	15.40%	1.776%
11	13.027	1682	1690	1700	rVB	16355006	24032759	76.67%	8.845%
12	13.863	1826	1832	1841	rBV	3630926	5082574	16.21%	1.871%
13	14.127	1872	1877	1885	rVB	329098	497672	1.59%	0.183%
14	14.410	1914	1925	1931	rBV2	4290645	6660114	21.25%	2.451%
15	14.804	1987	1992	2001	rVB	252971	396858	1.27%	0.146%
16	15.457	2097	2103	2111	rBV	416663	641692	2.05%	0.236%
17	15.904	2169	2179	2187	rBV	14085670	20133183	64.23%	7.410%
18	16.115	2210	2215	2230	rVB6	132413	354394	1.13%	0.130%
19	16.809	2328	2333	2339	rBV	259087	404336	1.29%	0.149%
20	16.974	2357	2361	2371	rVB	311935	503519	1.61%	0.185%
21	17.156	2386	2392	2396	rBV	5413961	7854261	25.06%	2.891%
22	17.198	2396	2399	2405	rVV	5482751	7365488	23.50%	2.711%
23	17.292	2407	2415	2419	rVV	1196648	1790021	5.71%	0.659%
24	17.568	2453	2462	2469	rBV2	461358	795526	2.54%	0.293%
25	18.045	2532	2543	2546	rBV2	2080354	3280730	10.47%	1.207%
26	18.080	2546	2549	2558	rVV	1012508	1615991	5.16%	0.595%
27	18.156	2559	2562	2568	rVV	326108	520462	1.66%	0.192%
28	18.227	2568	2574	2578	rVV2	887583	1592909	5.08%	0.586%
29	18.262	2578	2580	2587	rVB	399846	504092	1.61%	0.186%
30	18.533	2622	2626	2630	rBV	517122	666034	2.12%	0.245%
31	18.580	2630	2634	2639	rVB	448717	572457	1.83%	0.211%
32	18.950	2692	2697	2703	rBV2	288935	627519	2.00%	0.231%
33	19.098	2717	2722	2730	rVB2	340517	563920	1.80%	0.208%
34	19.221	2737	2743	2749	rVB	8600631	11228476	35.82%	4.132%

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

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

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35	19.327	2756	2761	2765	rBV2	784959	1060094	3.38%	0.390%
36	19.368	2765	2768	2772	rVB	350111	464266	1.48%	0.171%
37	19.468	2782	2785	2793	rVB3	351051	595579	1.90%	0.219%
38	19.550	2794	2799	2801	rVV2	1222945	1764892	5.63%	0.650%
39	19.586	2801	2805	2812	rVV	7169093	9404401	30.00%	3.461%
40	19.650	2812	2816	2824	rVB2	393252	608351	1.94%	0.224%
41	19.792	2832	2840	2844	rBV	24232537	31345581	100.00%	11.536%
42	19.827	2844	2846	2853	rVB	379544	480270	1.53%	0.177%
43	19.903	2855	2859	2868	rBV3	390231	1111634	3.55%	0.409%
44	20.080	2878	2889	2894	rVB2	867791	1908543	6.09%	0.702%
45	20.180	2902	2906	2909	rBV	510165	607508	1.94%	0.224%
46	20.239	2910	2916	2920	rVB2	540354	965521	3.08%	0.355%
47	20.380	2936	2940	2942	rBV	297973	372849	1.19%	0.137%
48	20.486	2954	2958	2962	rVB	734290	822997	2.63%	0.303%
49	20.827	3013	3016	3023	rVB	543587	680458	2.17%	0.250%
50	21.044	3048	3053	3056	rBV2	1084822	1787262	5.70%	0.658%
51	21.127	3064	3067	3078	rVB	622077	883521	2.82%	0.325%
52	21.344	3098	3104	3108	rBV2	6700703	12325330	39.32%	4.536%
53	21.386	3108	3111	3119	rVB	2973657	3776706	12.05%	1.390%
54	21.491	3126	3129	3136	rVB2	379082	674065	2.15%	0.248%
55	22.944	3371	3376	3381	rBV	1542504	3296733	10.52%	1.213%
56	23.433	3455	3459	3466	rVB	1052684	1849573	5.90%	0.681%
57	23.533	3471	3476	3483	rVB	1887442	3308014	10.55%	1.217%
58	23.633	3487	3493	3499	rBV	3018663	5885578	18.78%	2.166%

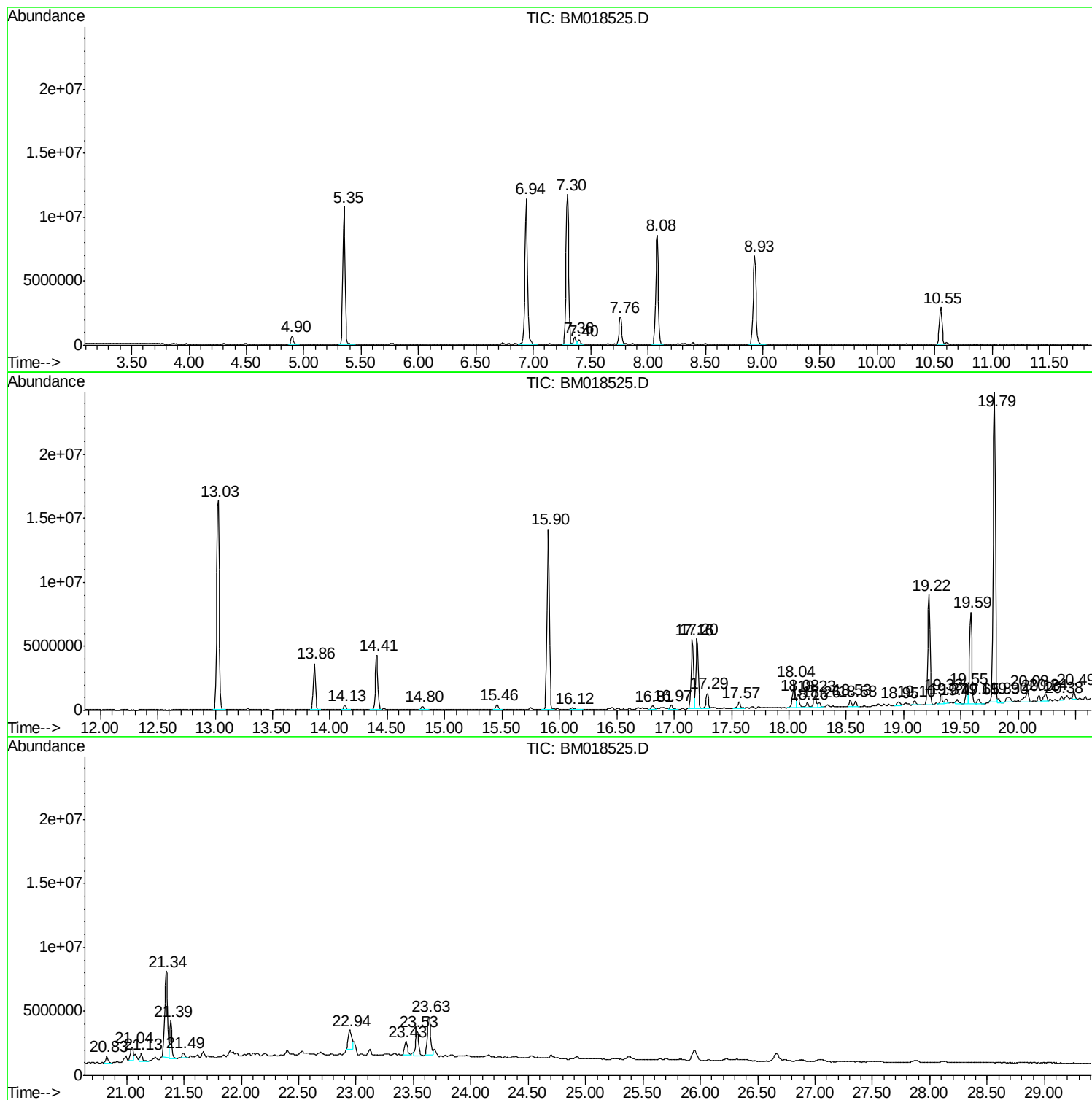
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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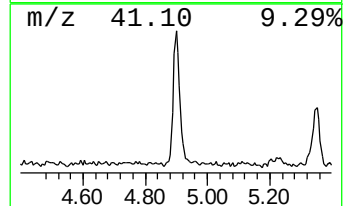
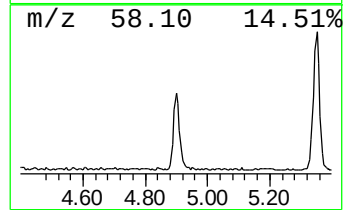
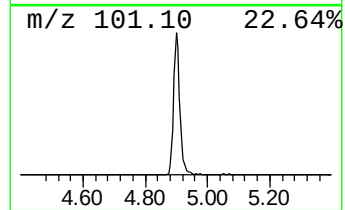
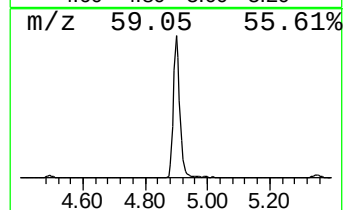
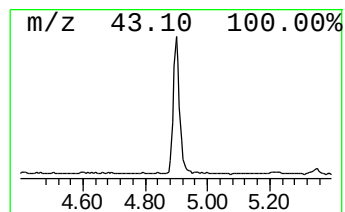
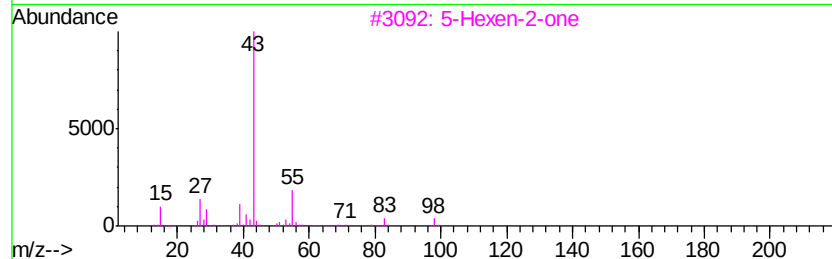
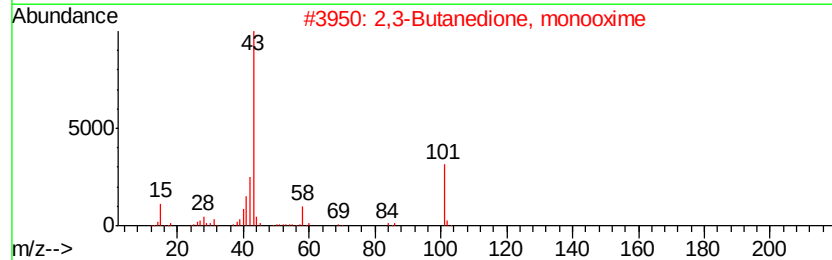
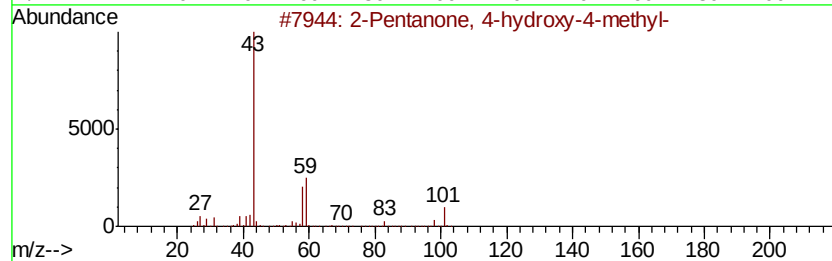
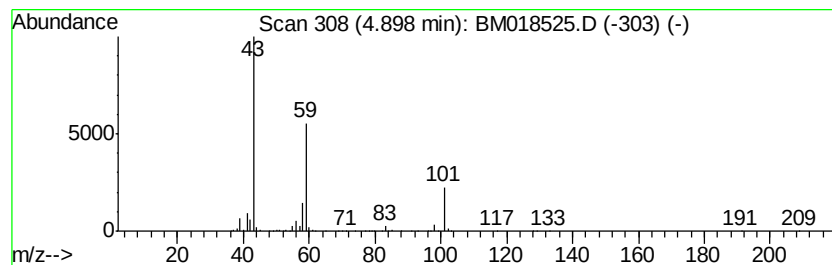
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	5.20 ng	879634	1,4-Dichlorobenzene-d4	7.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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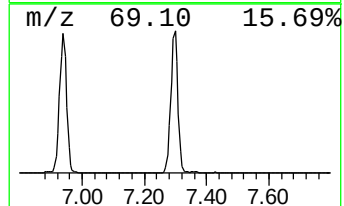
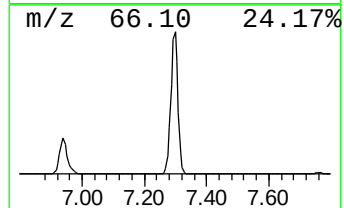
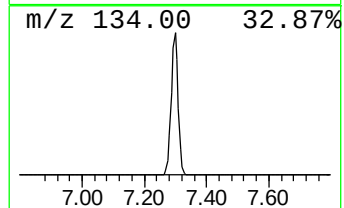
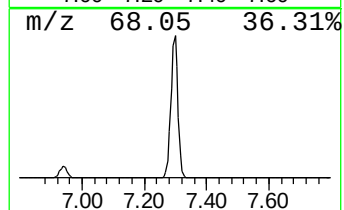
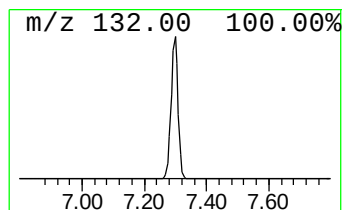
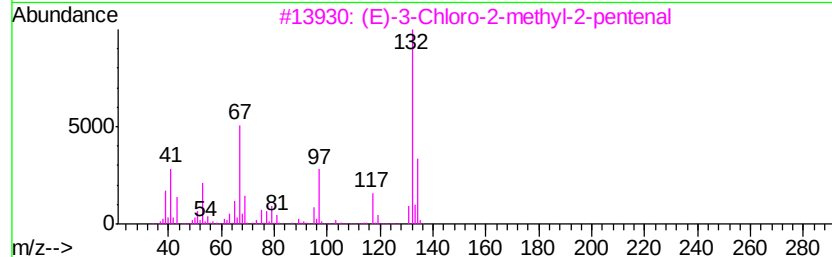
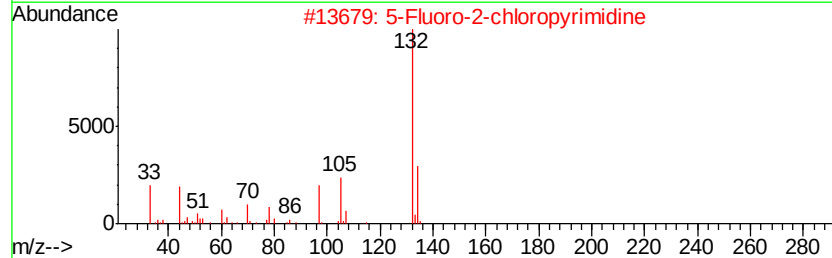
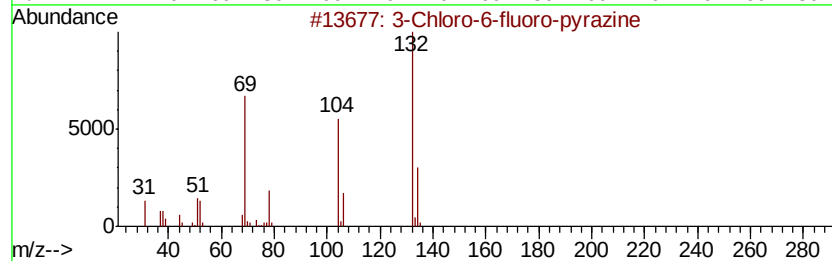
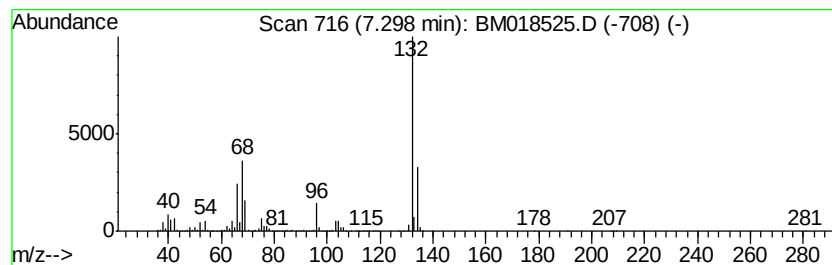
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	109.72 ng	18569300	1,4-Dichlorobenzene-d4	7.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
4		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	16
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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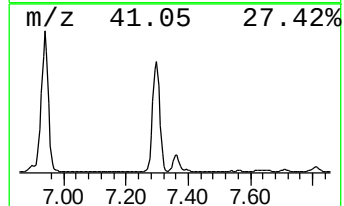
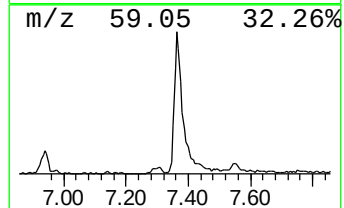
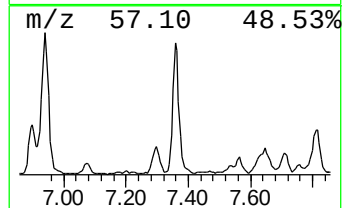
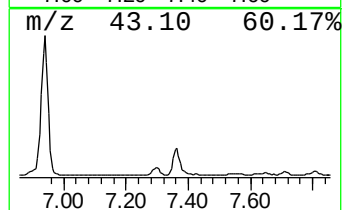
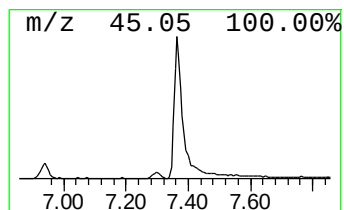
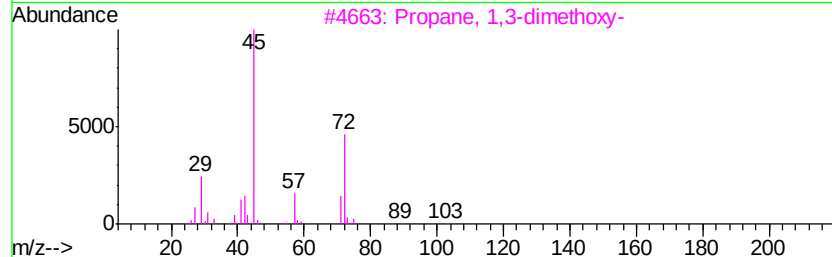
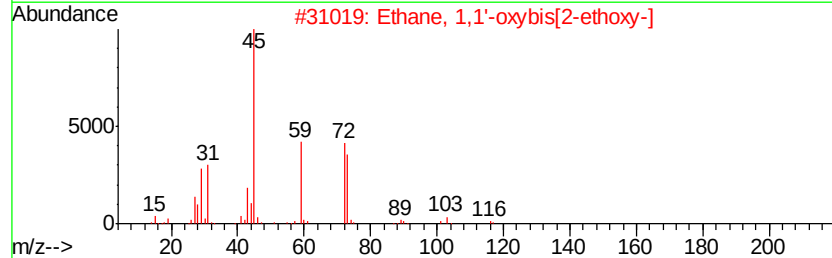
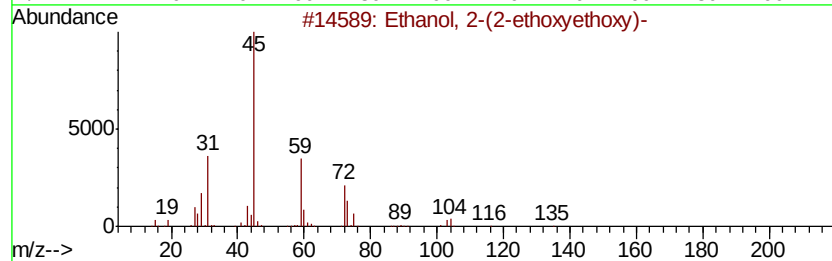
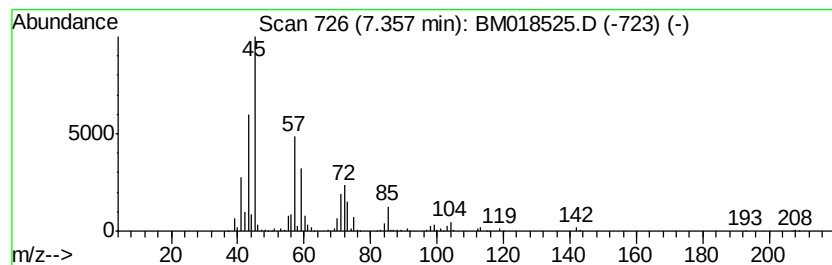
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	5.08 ng	859325	1,4-Dichlorobenzene-d4	7.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	80
2		Ethane, 1,1'-oxybis[2-ethoxy-]	162	C8H18O3	000112-36-7	64
3		Propane, 1,3-dimethoxy-	104	C5H12O2	017081-21-9	53
4		Butanoic acid, 4-methoxy-	118	C5H10O3	029006-02-8	53
5		2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	46



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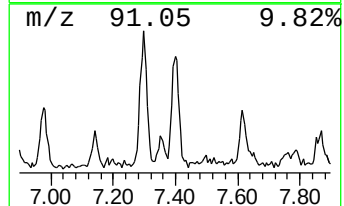
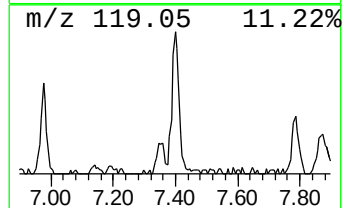
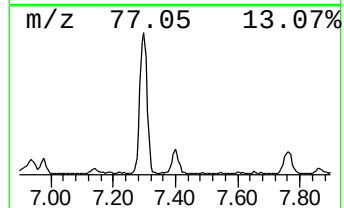
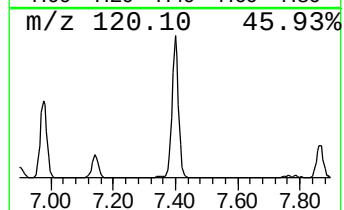
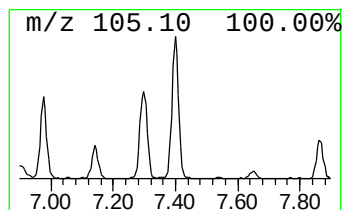
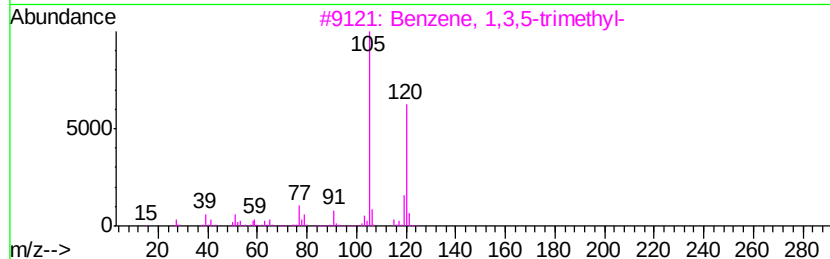
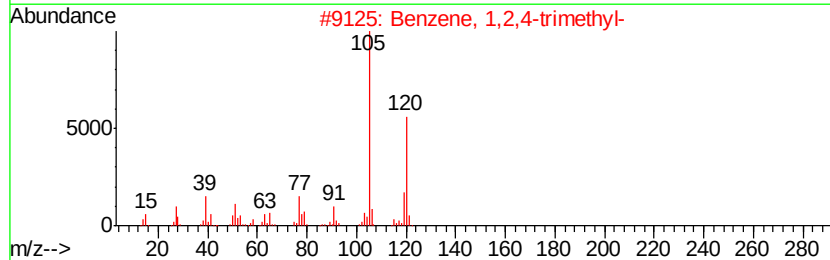
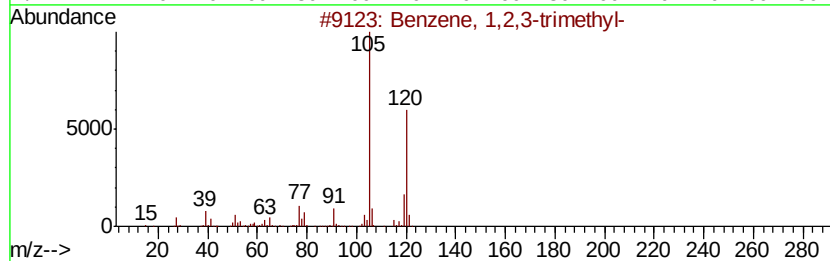
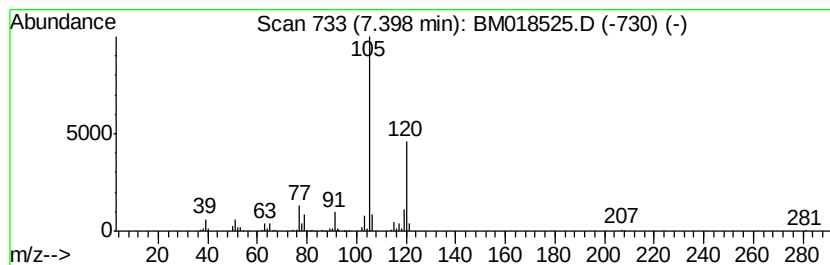
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	3.09 ng	523552	1,4-Dichlorobenzene-d4	7.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87



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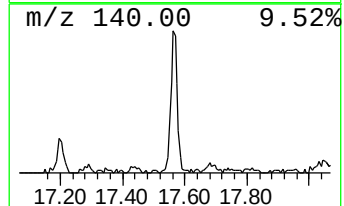
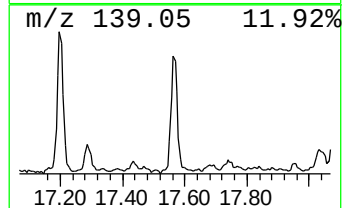
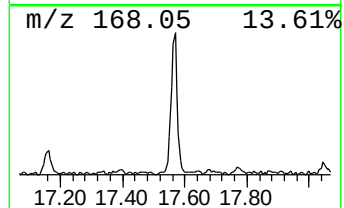
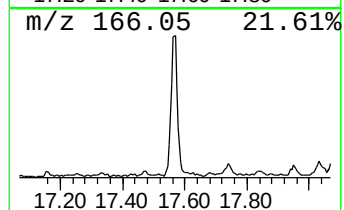
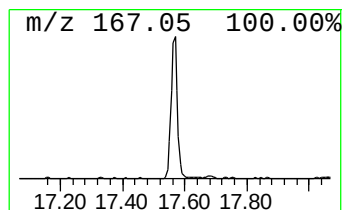
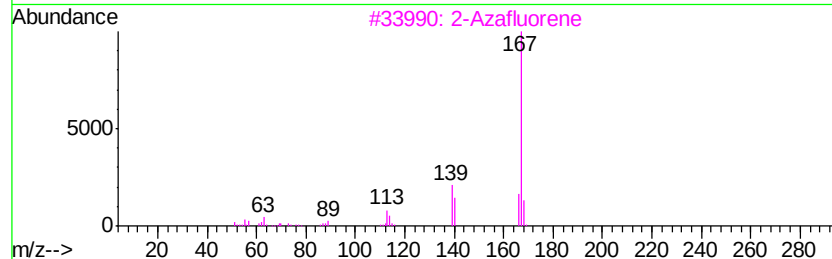
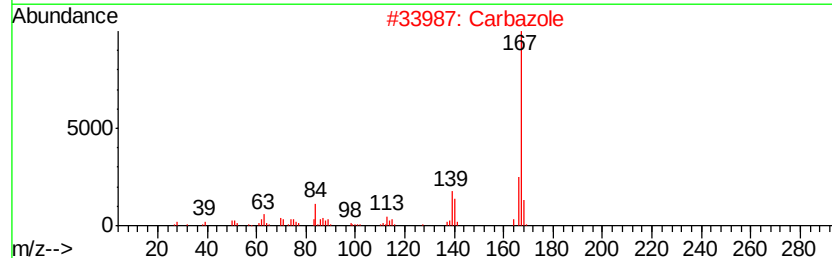
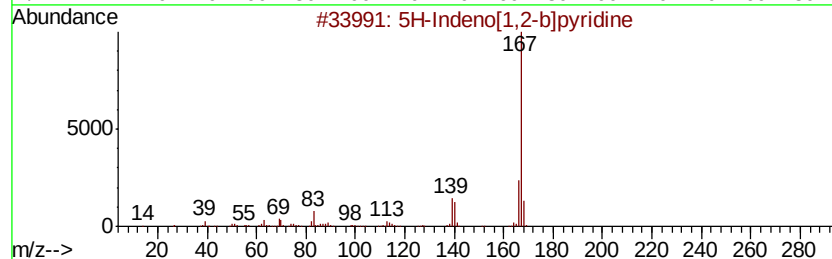
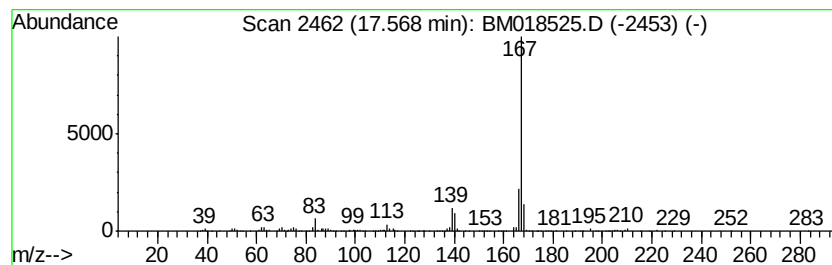
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	2.03 ng	795526	Phenanthrene-d10	17.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2		Carbazole	167	C12H9N	000086-74-8	90
3		2-Azafluorene	167	C12H9N	000244-40-6	86
4		D-Galactitol, 2-(acetylmethylami...	363	C16H29N08	074410-42-7	80
5		1H-Benzotriazole, 1-phenyl-	195	C12H9N3	000883-39-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
Data File : BM018525.D
Acq On : 11 Jan 2019 01:05
Operator : JU/SJ
Sample : K1099-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-18

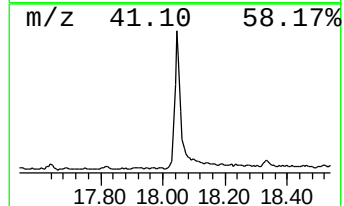
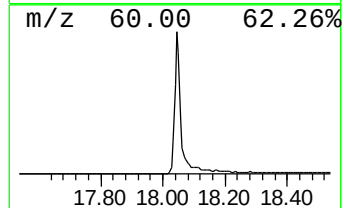
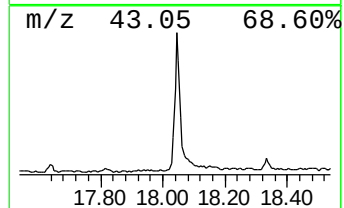
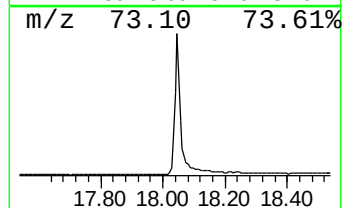
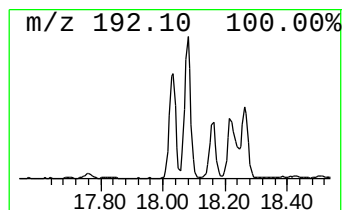
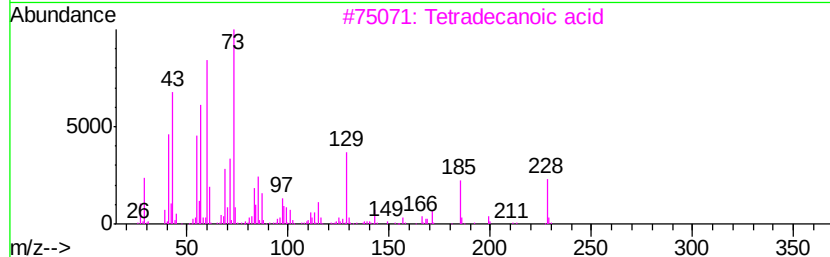
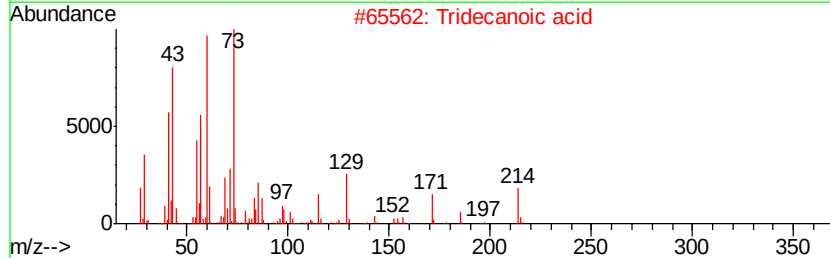
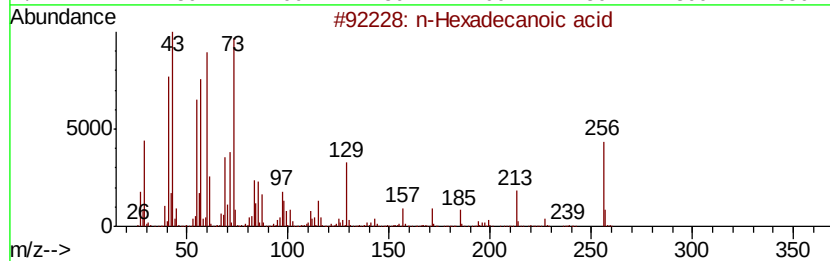
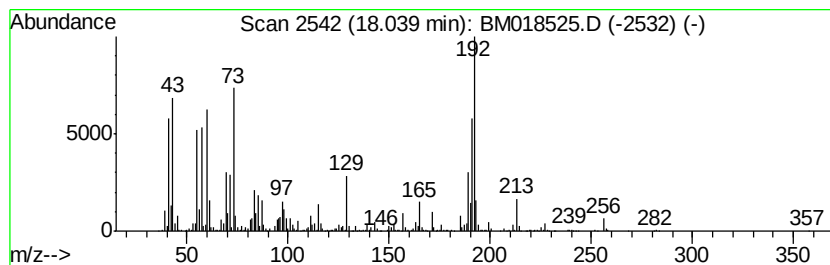
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	8.35 ng	3280730	Phenanthrene-d10	17.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tridecanoic acid	214	C13H26O2	000638-53-9	89
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	76
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5		Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
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Sample : K1099-13
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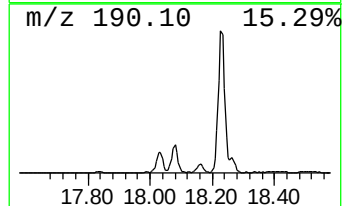
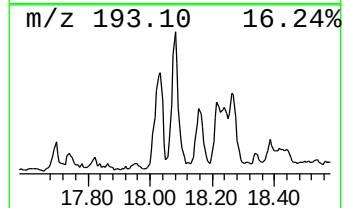
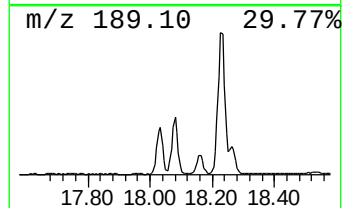
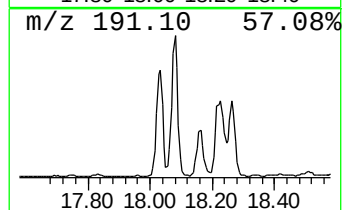
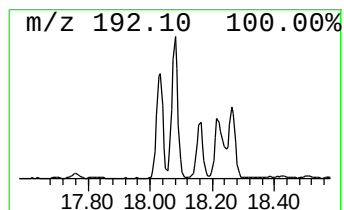
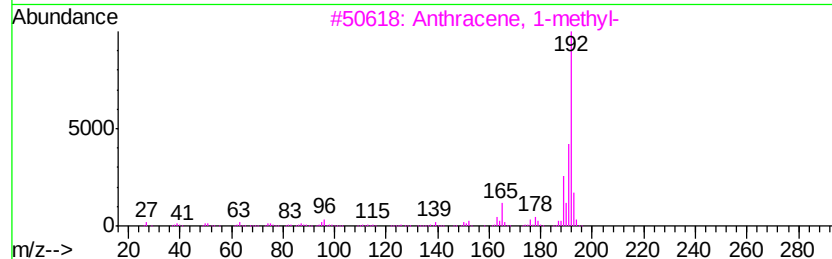
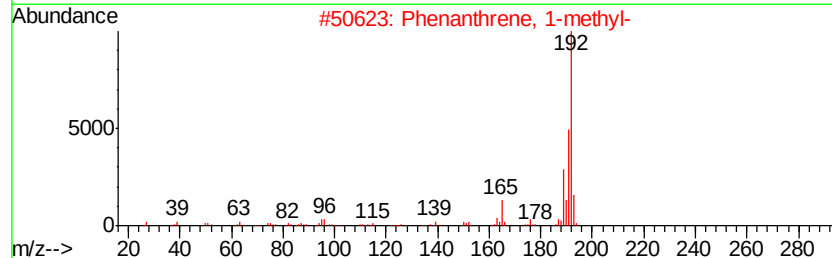
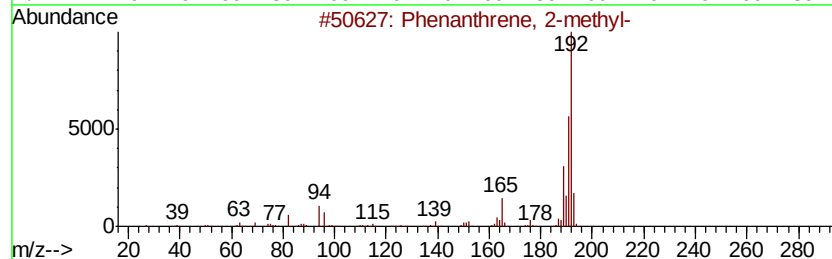
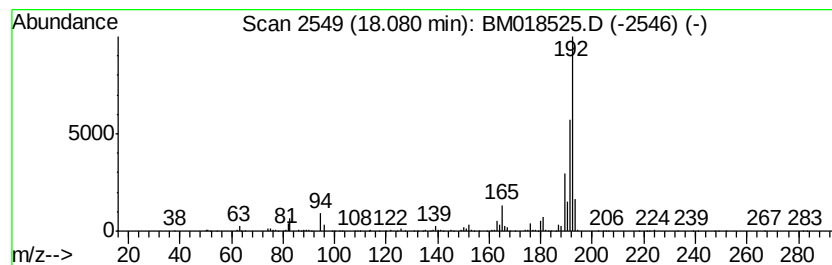
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.08	4.11 ng	1615990	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
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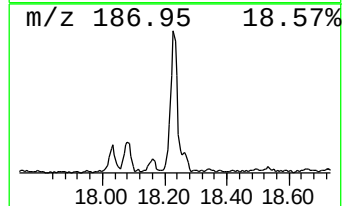
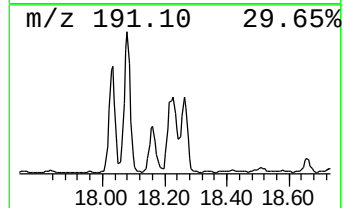
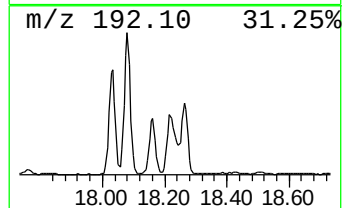
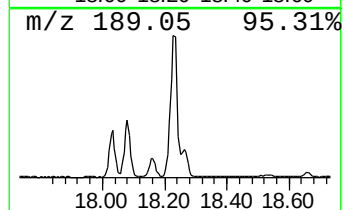
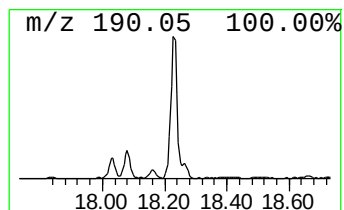
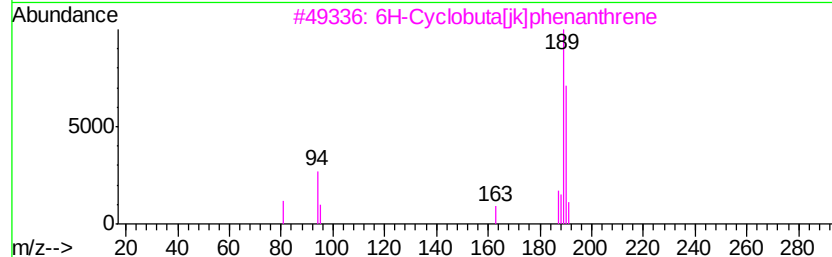
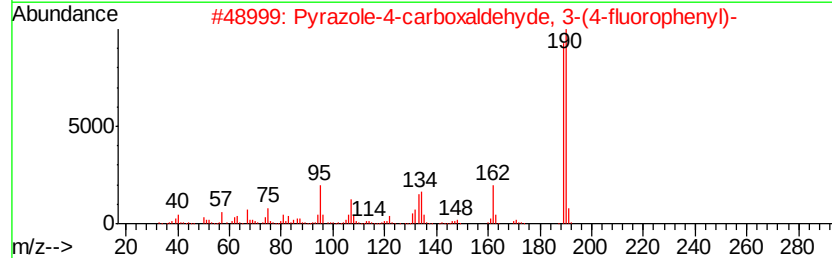
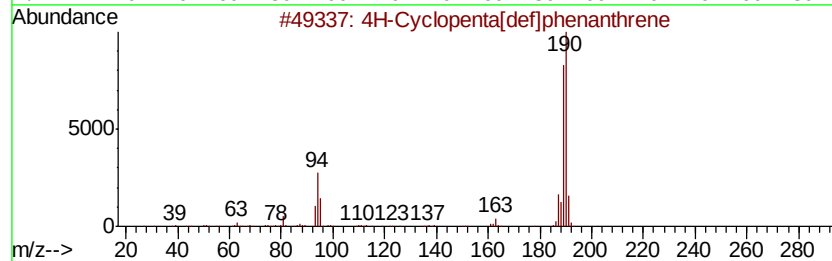
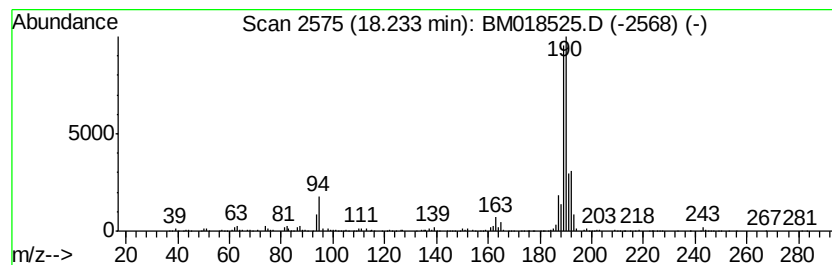
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.23	4.06 ng	1592910	Phenanthrene-d10	17.16	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	50
3	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	28
4	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25
5	2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
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ClientSampleId :
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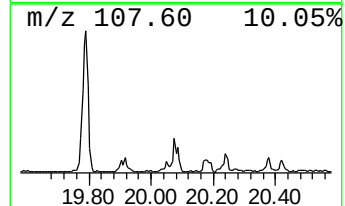
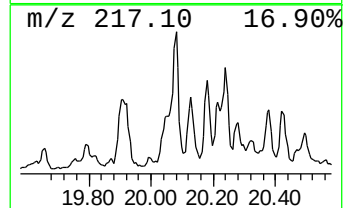
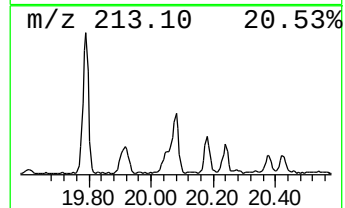
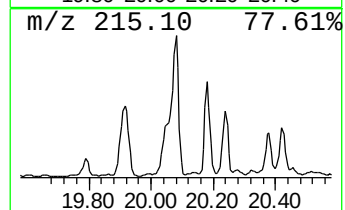
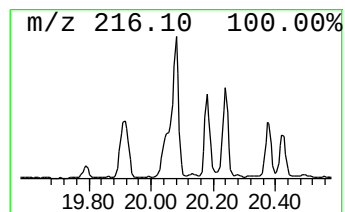
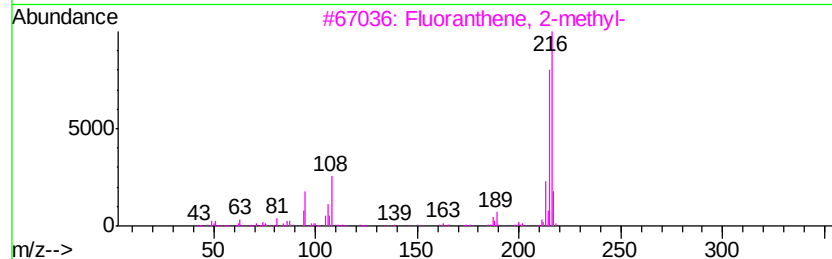
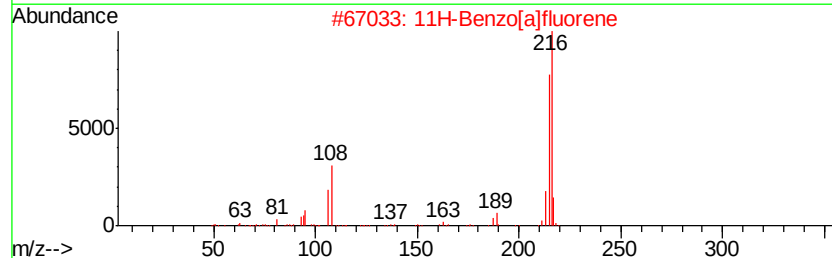
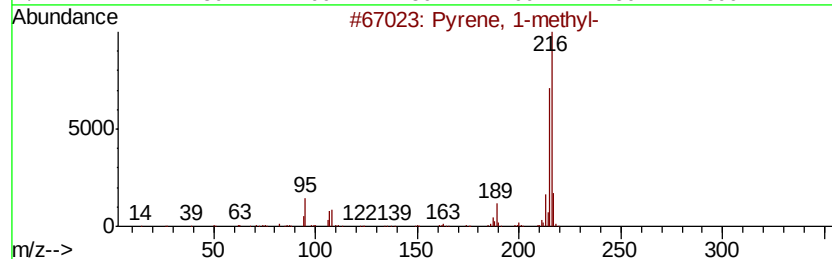
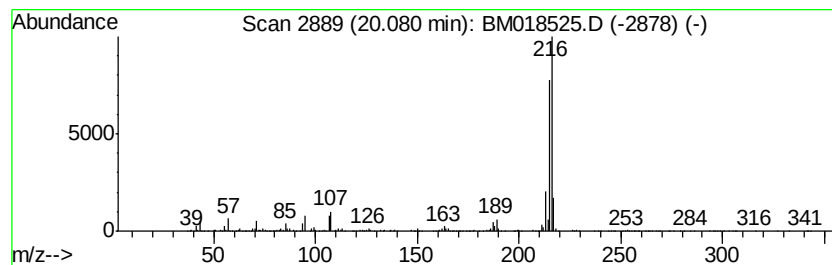
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	3.10 ng	1908540	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
Data File : BM018525.D
Acq On : 11 Jan 2019 01:05
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ClientSampleId :
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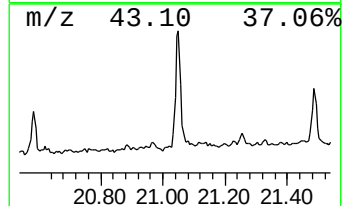
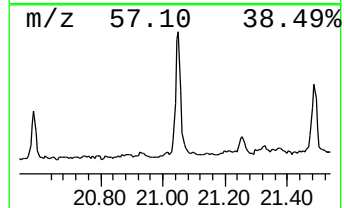
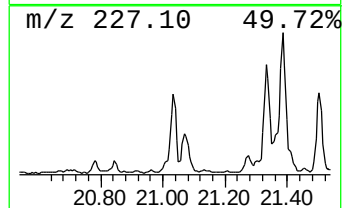
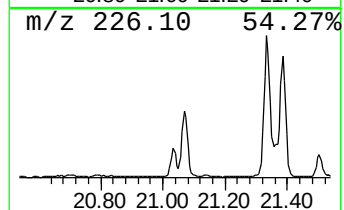
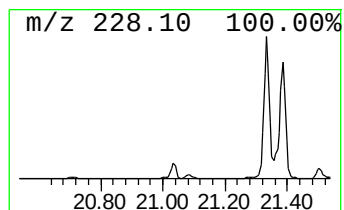
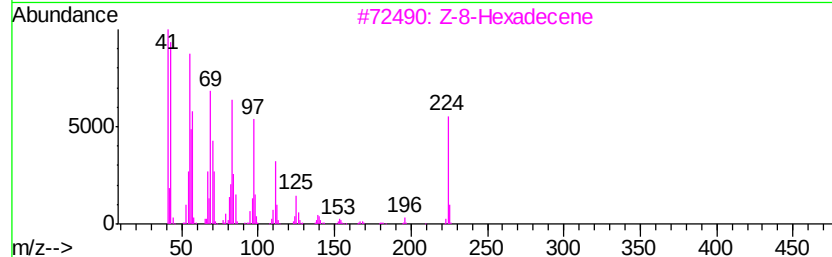
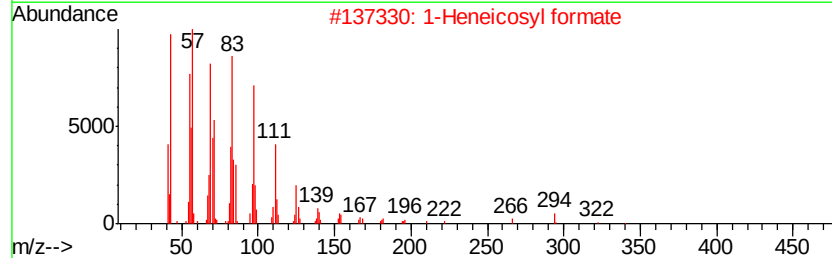
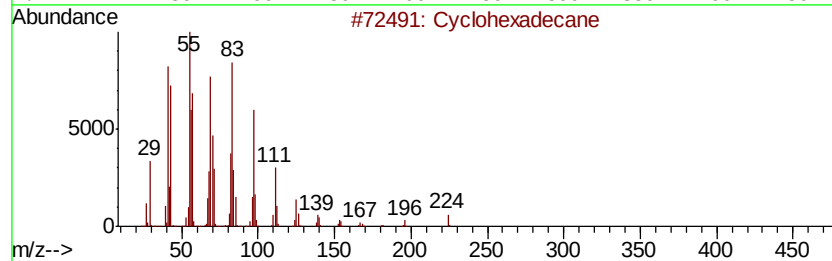
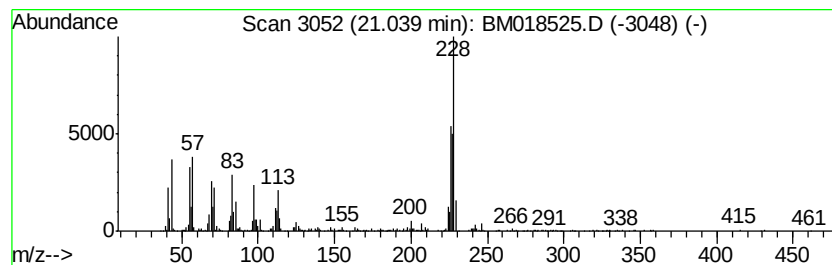
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.90 ng	1787260	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexadecane	224	C16H32	000295-65-8	94
2		1-Heneicosyl formate	340	C22H44O2	077899-03-7	86
3		Z-8-Hexadecene	224	C16H32	1000130-87-5	86
4		9-Tricosene, (Z)-	322	C23H46	027519-02-4	86
5		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
Data File : BM018525.D
Acq On : 11 Jan 2019 01:05
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ClientSampleId :
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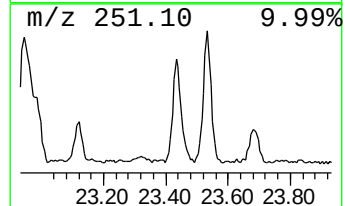
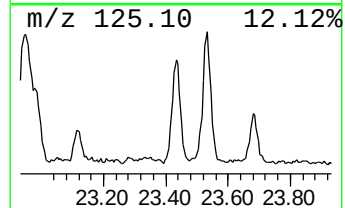
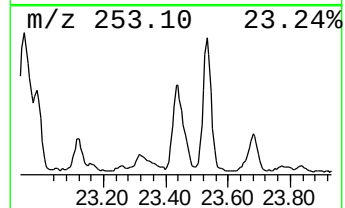
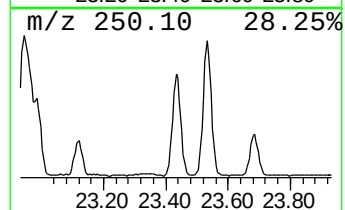
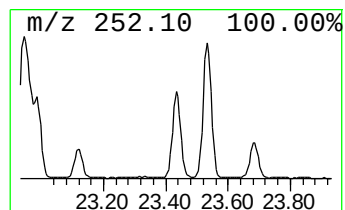
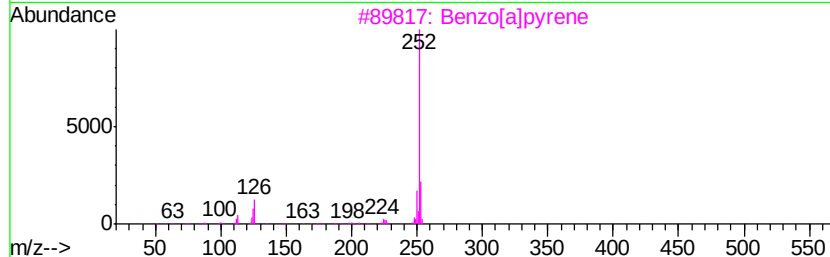
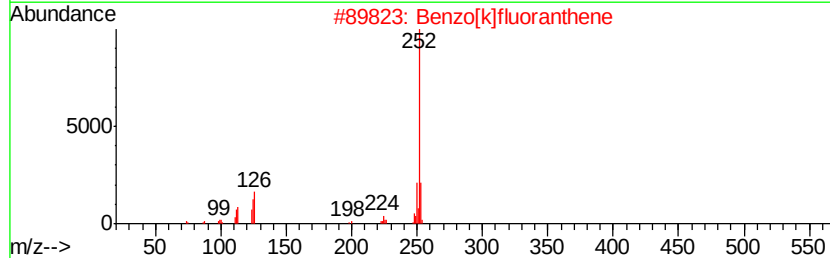
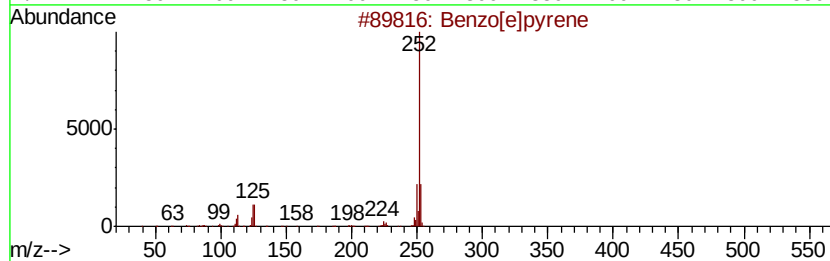
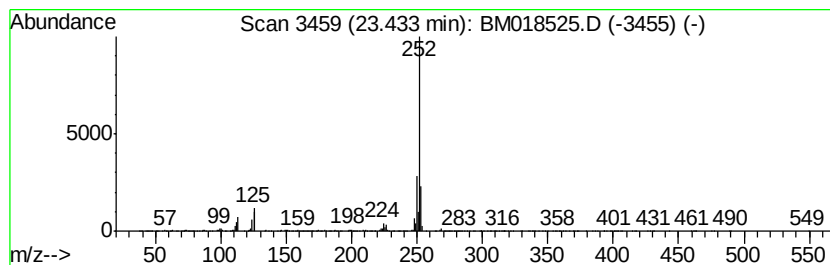
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	6.29 ng	1849570	Perylene-d12	23.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011019\
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Acq On : 11 Jan 2019 01:05
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.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
2-Pentanone, 4-hy...	4.90	5.2	ng	879634	1	7.76	3384860	20.0
unknown7.30	7.30	109.7	ng	18569300	1	7.76	3384860	20.0
Ethanol, 2-(2-eth...	7.36	5.1	ng	859325	1	7.76	3384860	20.0
Benzene, 1,2,3-tr...	7.40	3.1	ng	523552	1	7.76	3384860	20.0
5H-Indeno[1,2-b]p...	17.57	2.0	ng	795526	4	17.16	7854260	20.0
n-Hexadecanoic acid	18.04	8.3	ng	3280730	4	17.16	7854260	20.0
Phenanthrene, 2-m...	18.08	4.1	ng	1615990	4	17.16	7854260	20.0
4H-Cyclopenta[def...	18.23	4.1	ng	1592910	4	17.16	7854260	20.0
Pyrene, 1-methyl-	20.08	3.1	ng	1908540	5	21.35	12325300	20.0
Cyclohexadecane	21.04	2.9	ng	1787260	5	21.35	12325300	20.0
Benzo[e]pyrene	23.43	6.3	ng	1849570	6	23.63	5885580	20.0