

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
 Data File : BM039243.D
 Acq On : 31 Mar 2023 01:14
 Operator : CG/JU
 Sample : 02105-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WV-SOIL1-0327

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_M\Methods\8270-BM032923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039243.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	288	293	299	rBV	275920	375390	7.55%	0.779%
2	5.481	367	373	382	rBV	629745	927281	18.65%	1.924%
3	7.087	639	646	656	rBV	574147	925670	18.62%	1.921%
4	7.922	781	788	797	rVB	960077	1458197	29.33%	3.026%
5	9.086	978	986	998	rBV	343980	600499	12.08%	1.246%
6	10.733	1257	1266	1271	rBV	1186718	1995292	40.13%	4.141%
7	10.780	1271	1274	1285	rVB	84440	137319	2.76%	0.285%
8	12.392	1543	1548	1554	rBV	39839	66146	1.33%	0.137%
9	12.610	1577	1585	1592	rBV	39371	69817	1.40%	0.145%
10	13.186	1676	1683	1697	rBV	837389	1260856	25.36%	2.617%
11	13.886	1795	1802	1808	rBV	39084	71118	1.43%	0.148%
12	14.292	1865	1871	1879	rVB	41029	65080	1.31%	0.135%
13	14.563	1909	1917	1924	rBV	1624563	2452720	49.33%	5.090%
14	14.627	1924	1928	1936	rVB	136982	216686	4.36%	0.450%
15	14.963	1979	1985	1993	rBV	100307	154371	3.10%	0.320%
16	15.615	2090	2096	2107	rVB	150730	236966	4.77%	0.492%
17	15.921	2141	2148	2156	rVB2	105579	206598	4.16%	0.429%
18	16.057	2165	2171	2178	rBV	635014	935484	18.82%	1.941%
19	16.292	2205	2211	2218	rVB6	23797	52627	1.06%	0.109%
20	16.615	2264	2266	2271	rVV3	40821	61242	1.23%	0.127%
21	16.968	2321	2326	2332	rVB	67475	100640	2.02%	0.209%
22	17.133	2349	2354	2364	rVB	104095	164815	3.31%	0.342%
23	17.315	2379	2385	2388	rBV	1967602	2808266	56.48%	5.828%
24	17.356	2388	2392	2399	rVV	2043888	2815050	56.62%	5.842%
25	17.445	2399	2407	2412	rVB	334956	502575	10.11%	1.043%
26	17.721	2446	2454	2464	rBV2	114180	226892	4.56%	0.471%
27	17.833	2470	2473	2477	rBV	41948	55908	1.12%	0.116%
28	17.892	2480	2483	2493	rVB3	50285	80185	1.61%	0.166%
29	18.039	2504	2508	2516	rVB	28393	51865	1.04%	0.108%
30	18.192	2529	2534	2538	rBV	305604	501895	10.09%	1.042%
31	18.239	2538	2542	2548	rVB	396489	558693	11.24%	1.159%
32	18.321	2551	2556	2561	rVV	121776	172440	3.47%	0.358%
33	18.386	2561	2567	2571	rVV2	371503	705440	14.19%	1.464%
34	18.421	2571	2573	2579	rVB	230203	263182	5.29%	0.546%
35	18.633	2605	2609	2613	rBV3	85915	109118	2.19%	0.226%
36	18.692	2614	2619	2623	rVV	204380	287134	5.78%	0.596%

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37	18.733	2623	2626	2637	rVV2	115859	186723	3.76%	0.387%
38	18.815	2637	2640	2646	rVV2	43160	56608	1.14%	0.117%
39	18.939	2657	2661	2665	rVV	75006	94278	1.90%	0.196%
40	18.986	2666	2669	2672	rVV	66801	78763	1.58%	0.163%
41	19.027	2672	2676	2680	rVB	60357	76822	1.55%	0.159%
42	19.109	2685	2690	2695	rBV	195363	346554	6.97%	0.719%
43	19.168	2695	2700	2703	rBV2	67672	116656	2.35%	0.242%
44	19.245	2709	2713	2721	rBV3	131849	267724	5.38%	0.556%
45	19.368	2729	2734	2741	rBV	2529827	3324780	66.87%	6.900%
46	19.474	2748	2752	2757	rBV3	78476	140576	2.83%	0.292%
47	19.615	2773	2776	2779	rBV	73298	82888	1.67%	0.172%
48	19.703	2786	2791	2792	rBV	396235	473715	9.53%	0.983%
49	19.733	2792	2796	2804	rVV	2465472	3400453	68.39%	7.057%
50	19.803	2805	2808	2815	rVB3	121808	204514	4.11%	0.424%
51	19.933	2824	2830	2834	rBV	1373891	1705368	34.30%	3.539%
52	20.056	2846	2851	2852	rBV2	150114	214815	4.32%	0.446%
53	20.192	2870	2874	2876	rBV3	122968	192042	3.86%	0.399%
54	20.227	2877	2880	2886	rVB	271642	368416	7.41%	0.765%
55	20.327	2894	2897	2901	rBV2	129324	166578	3.35%	0.346%
56	20.386	2903	2907	2911	rVB2	224522	313030	6.30%	0.650%
57	20.527	2927	2931	2935	rBV	195780	259177	5.21%	0.538%
58	20.574	2935	2939	2943	rVB	174558	223866	4.50%	0.465%
59	20.974	3004	3007	3014	rBV	174799	231734	4.66%	0.481%
60	21.180	3039	3042	3046	rBV2	198420	324709	6.53%	0.674%
61	21.497	3089	3096	3099	rBV2	2756636	4971909	100.00%	10.318%
62	21.533	3099	3102	3112	rVB	1186674	1531369	30.80%	3.178%
63	23.174	3376	3381	3387	rBV	714882	1729806	34.79%	3.590%
64	23.697	3466	3470	3480	rVB	429516	824090	16.57%	1.710%
65	23.797	3482	3487	3494	rVB	736332	1460852	29.38%	3.032%
66	23.909	3500	3506	3512	rBV2	1636105	3145711	63.27%	6.528%

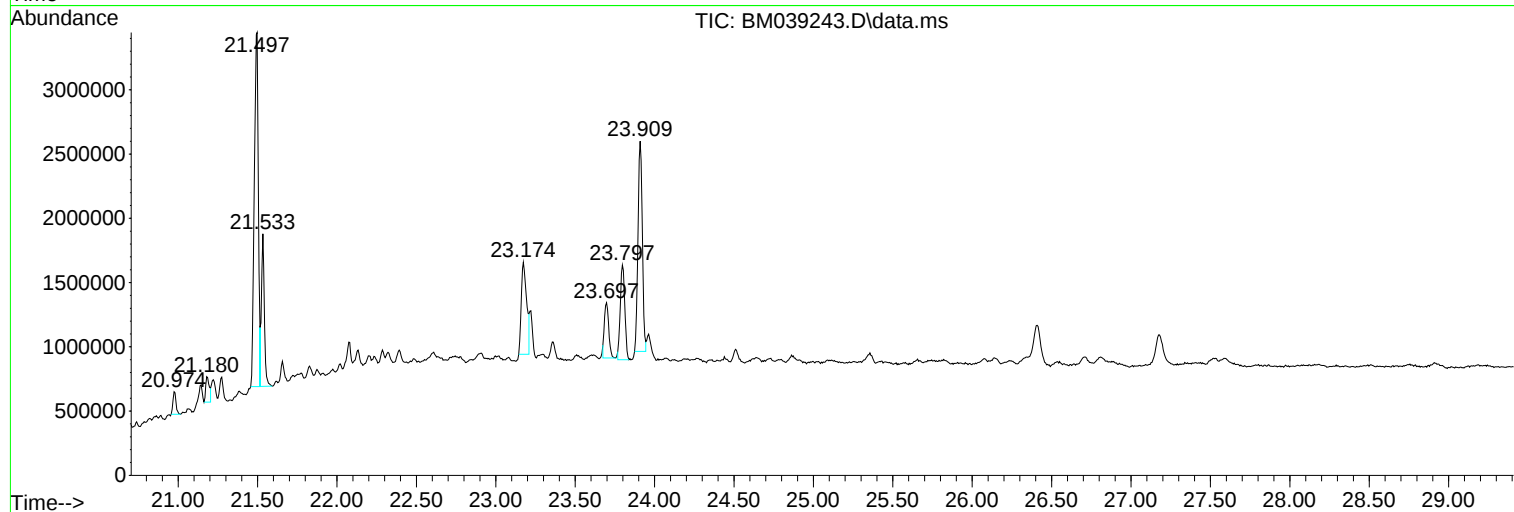
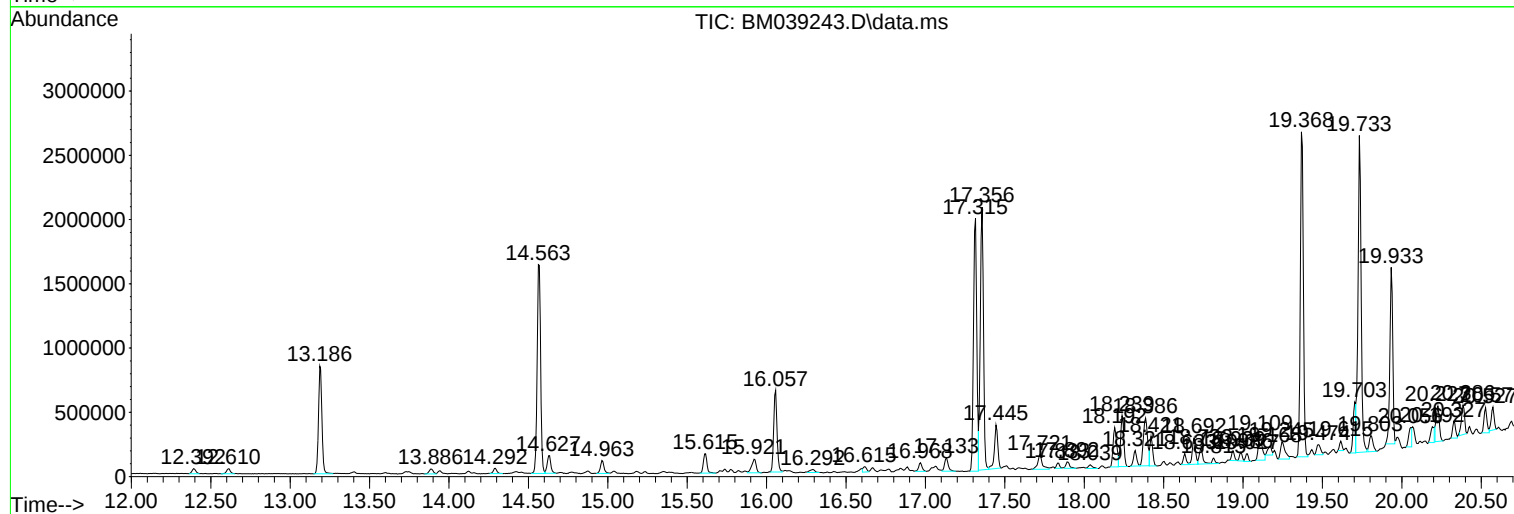
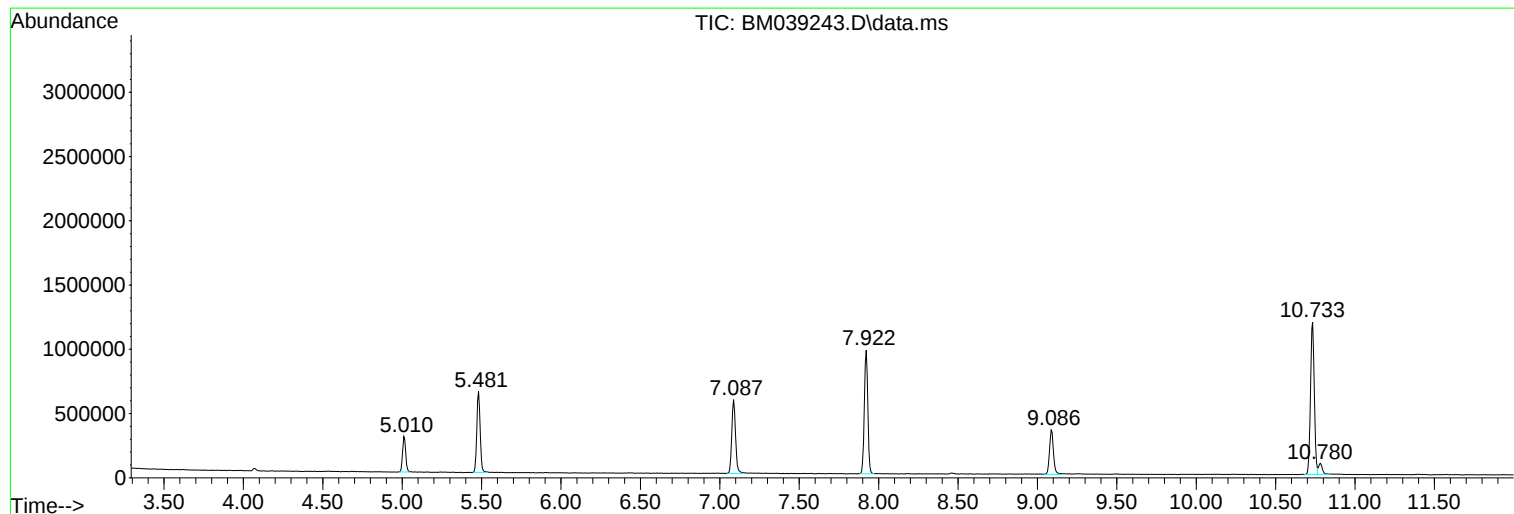
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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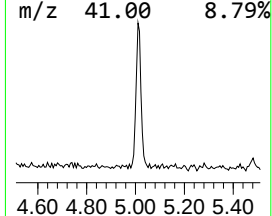
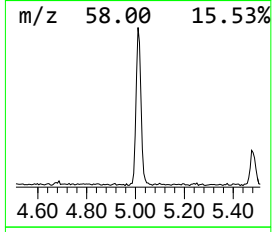
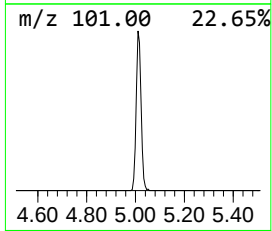
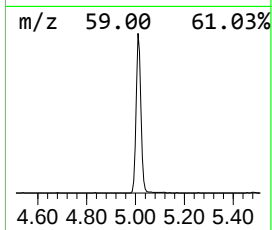
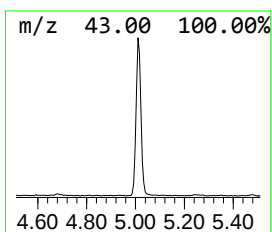
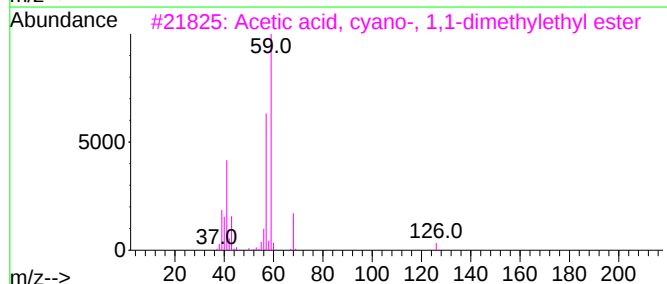
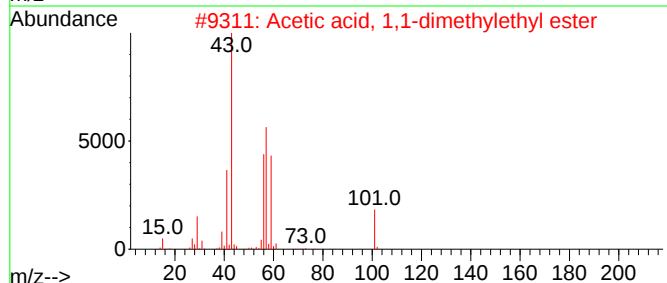
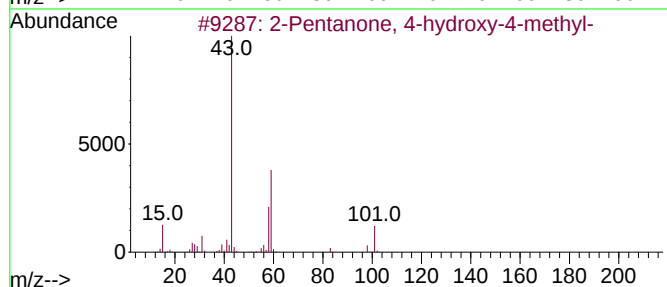
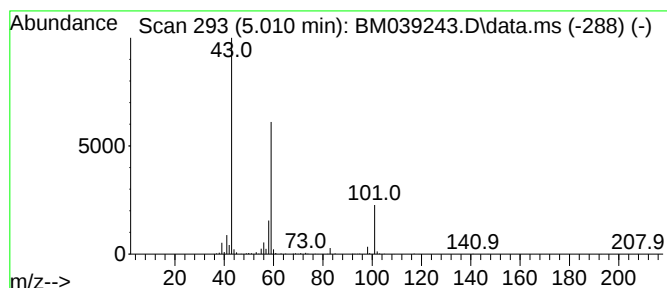
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	5.15 ng	375390	1,4-Dichlorobenzene-d4	7.922

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			Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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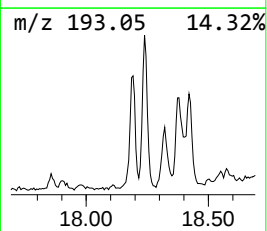
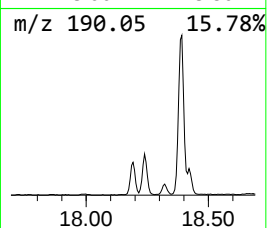
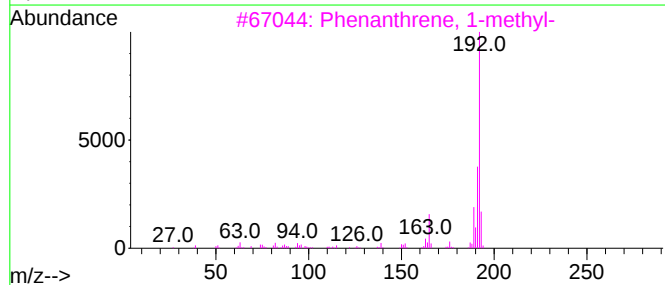
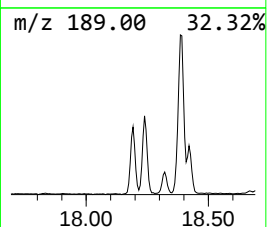
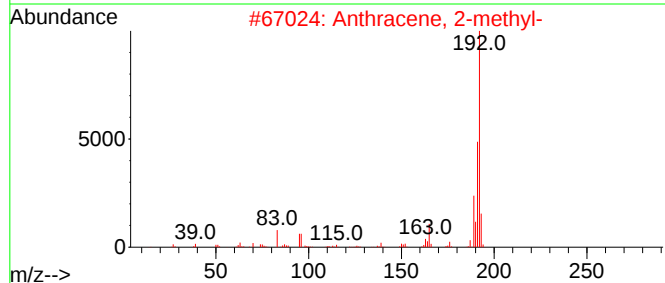
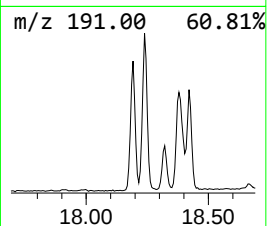
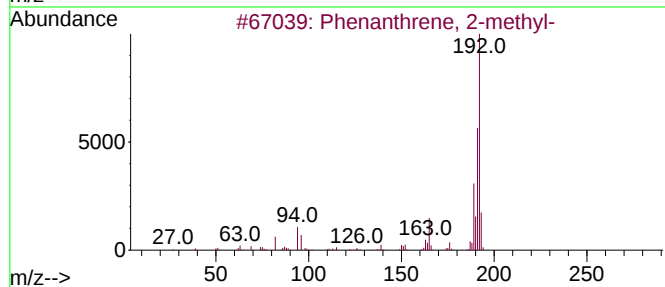
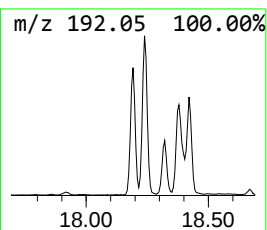
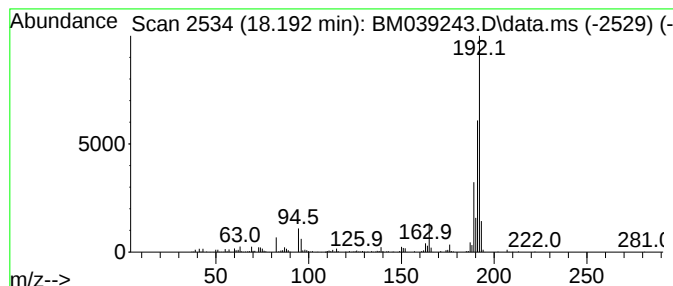
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TIC Library : C:\Database\NIST20.L
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Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	3.57 ng	501895	Phenanthrene-d10	17.315

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	92



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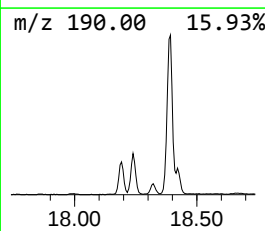
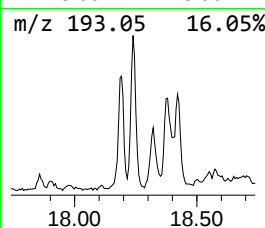
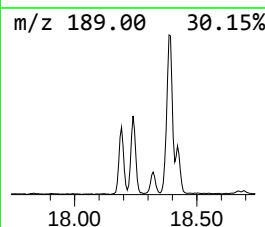
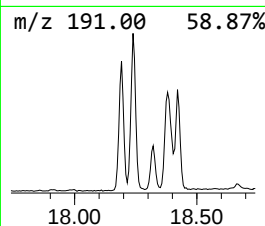
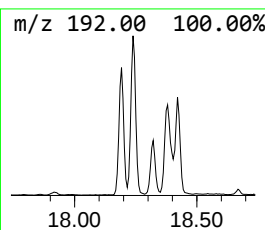
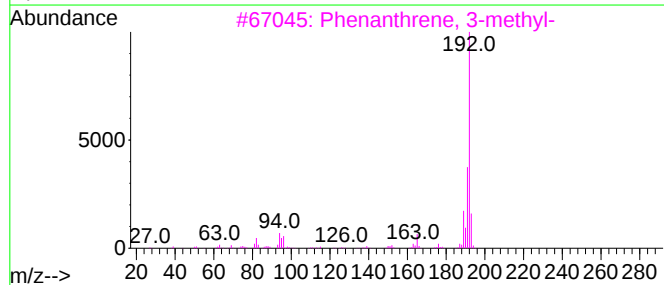
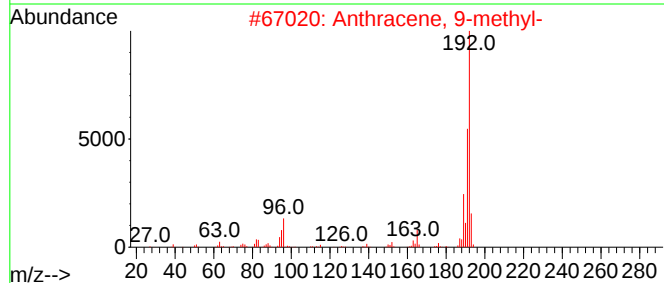
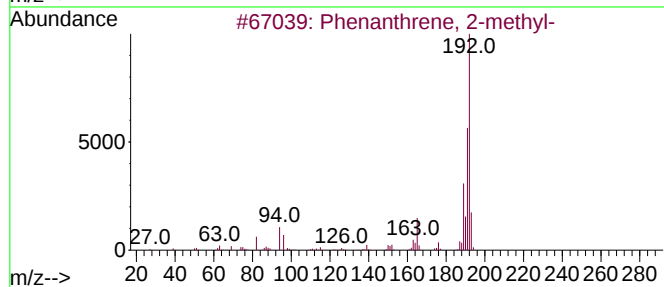
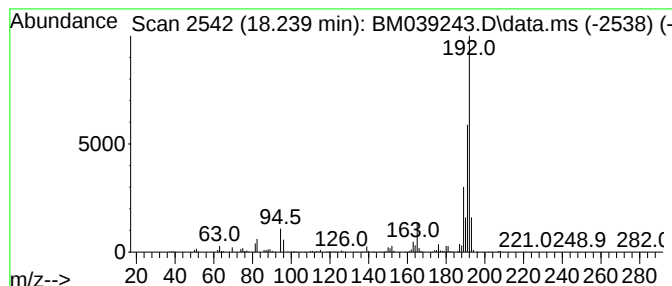
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Peak Number 3 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	3.98 ng	558693	Phenanthrene-d10	17.315

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



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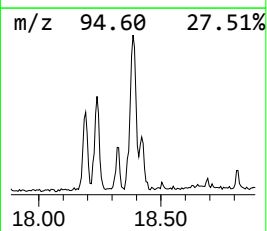
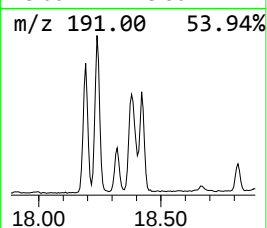
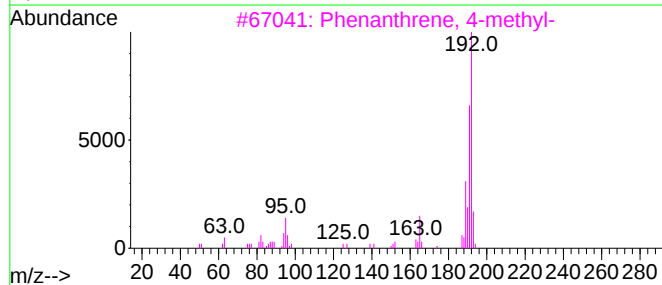
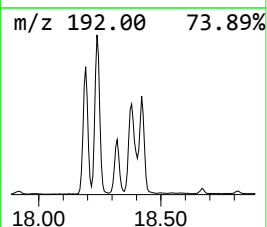
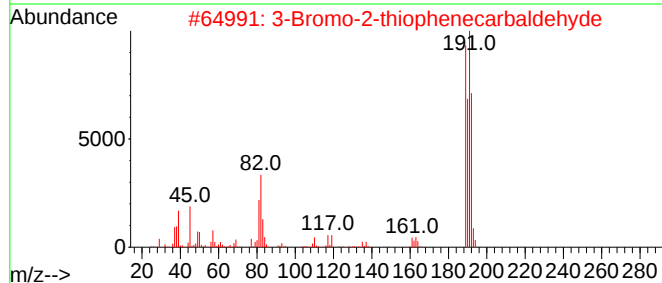
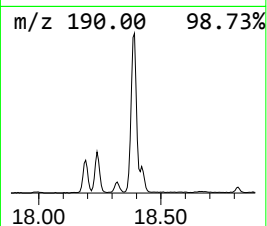
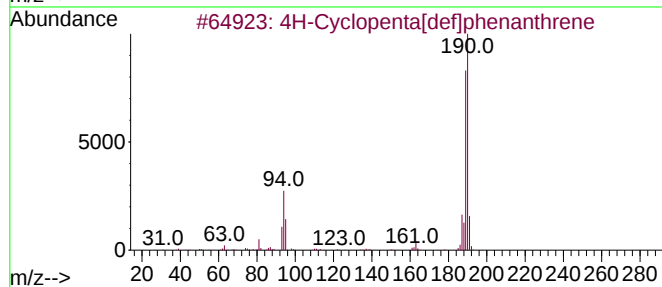
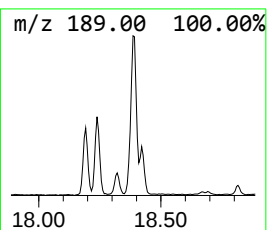
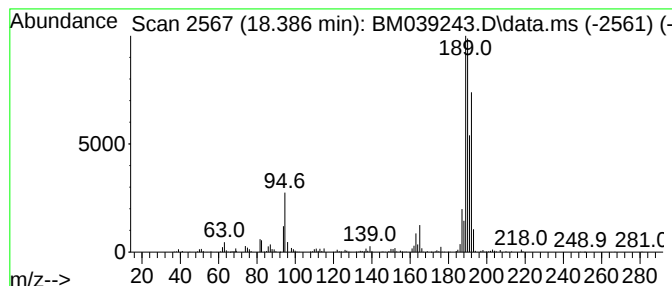
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.386	5.02 ng	705440	Phenanthrene-d10	17.315	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	3-Bromo-2-thiophenecarbaldehyde	190	C5H3BrOS	000930-96-1	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
Data File : BM039243.D
Acq On : 31 Mar 2023 01:14
Operator : CG/JU
Sample : 02105-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WV-SOIL1-0327

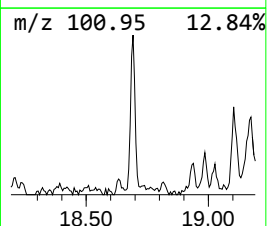
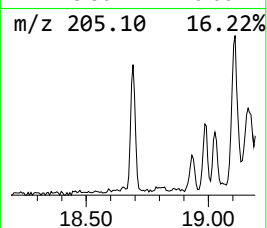
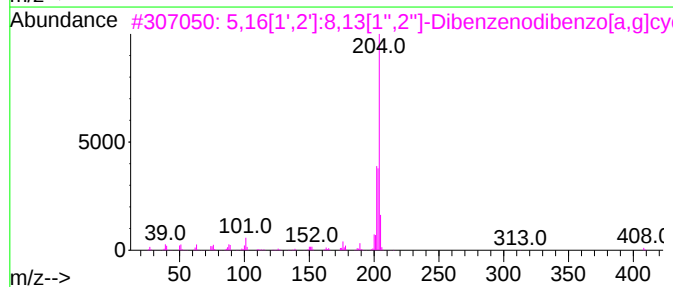
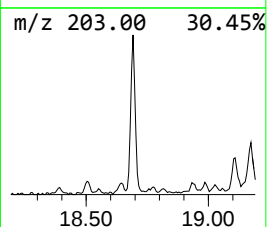
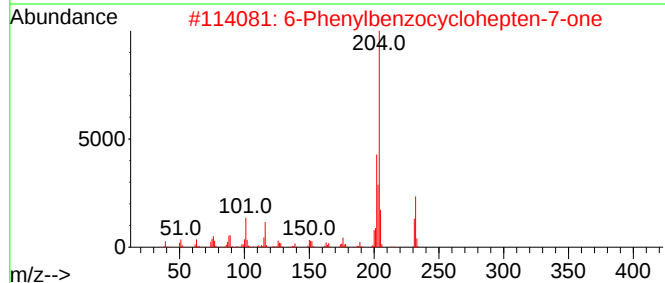
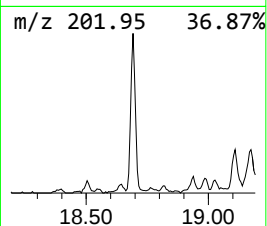
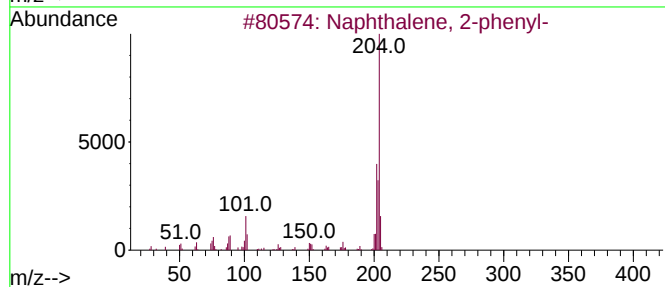
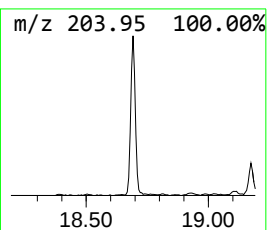
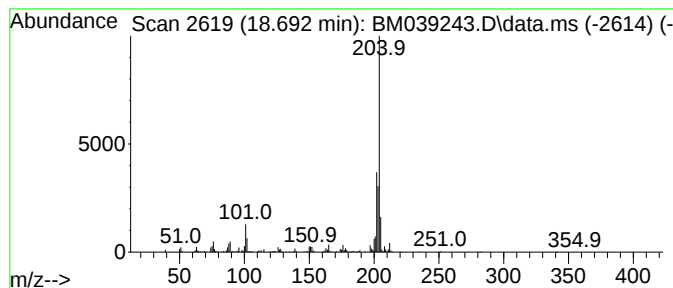
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.692	2.04 ng	287134	Phenanthrene-d10	17.315

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2			6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
3			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
Data File : BM039243.D
Acq On : 31 Mar 2023 01:14
Operator : CG/JU
Sample : 02105-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WV-SOIL1-0327

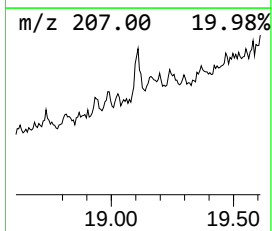
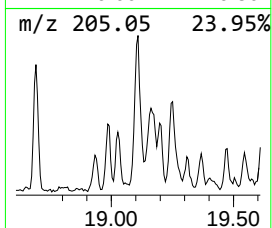
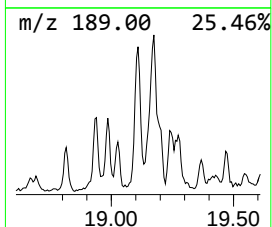
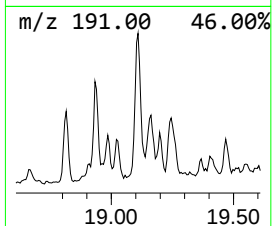
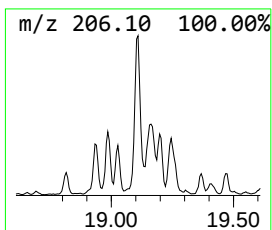
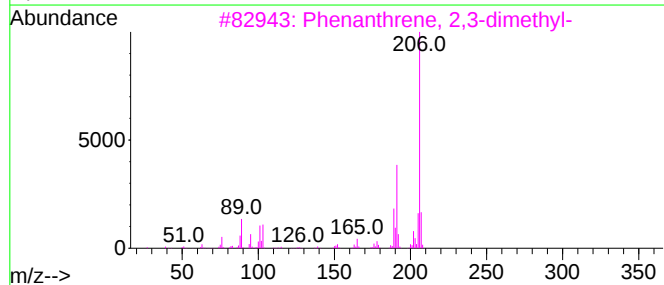
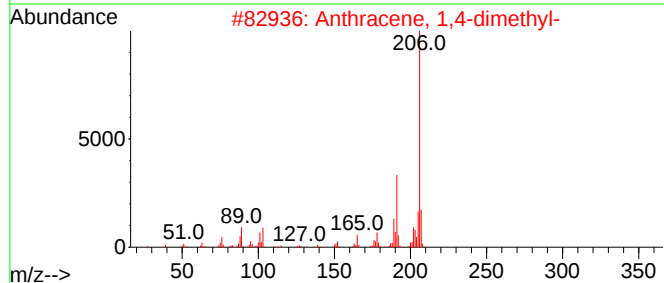
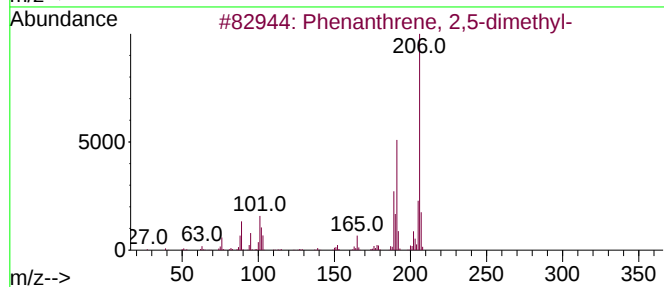
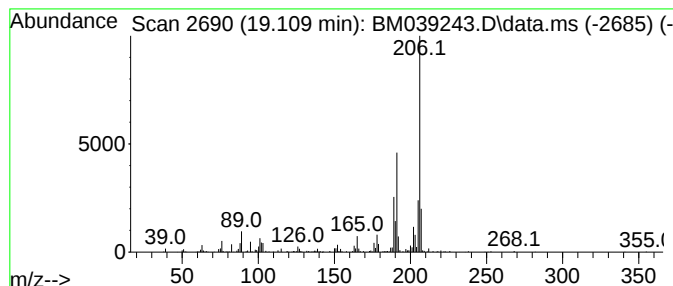
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.109	2.47 ng	346554	Phenanthrene-d10	17.315

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
Data File : BM039243.D
Acq On : 31 Mar 2023 01:14
Operator : CG/JU
Sample : 02105-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WV-SOIL1-0327

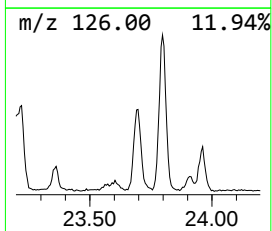
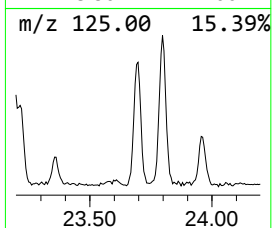
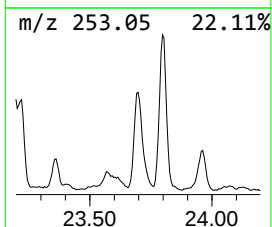
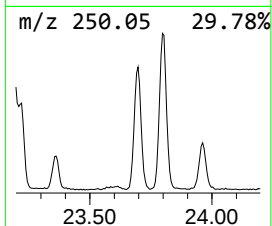
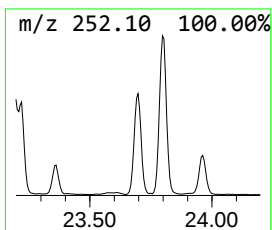
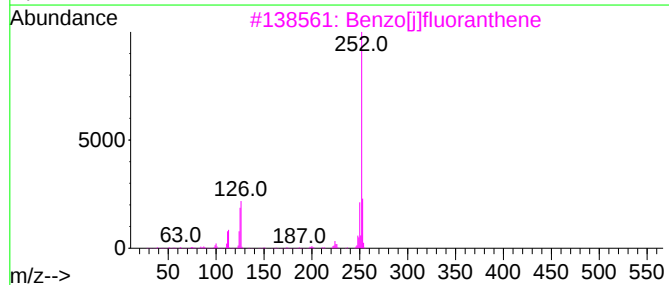
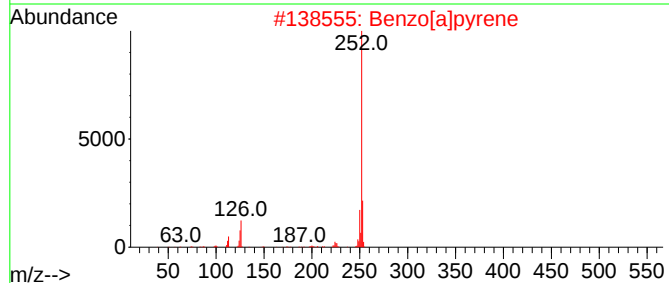
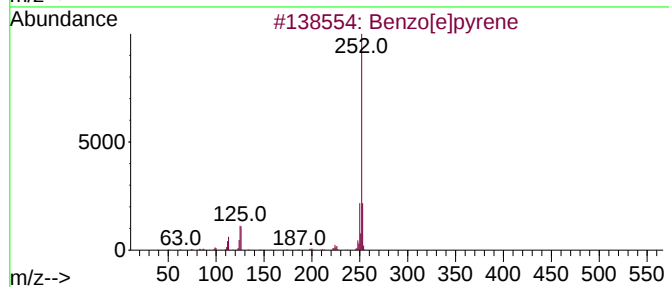
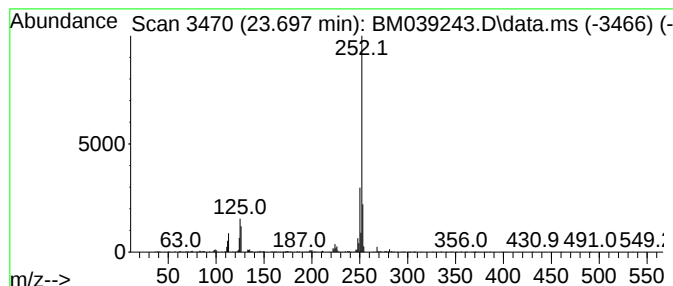
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.697	5.24 ng	824090	Perylene-d12	23.909

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	96
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
Data File : BM039243.D
Acq On : 31 Mar 2023 01:14
Operator : CG/JU
Sample : 02105-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WV-SOIL1-0327

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.010	5.2	ng	375390	1	7.922	1458200	20.0
Phenanthrene, 2...	18.192	3.6	ng	501895	4	17.315	2808270	20.0
Anthracene, 9-m...	18.239	4.0	ng	558693	4	17.315	2808270	20.0
4H-Cyclopenta[d...	18.386	5.0	ng	705440	4	17.315	2808270	20.0
Naphthalene, 2-...	18.692	2.0	ng	287134	4	17.315	2808270	20.0
Phenanthrene, 2...	19.109	2.5	ng	346554	4	17.315	2808270	20.0
Benzo[e]pyrene	23.697	5.2	ng	824090	6	23.909	3145710	20.0