

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
 Data File : BG045147.D
 Acq On : 23 Apr 2020 18:30
 Operator : CG/JU
 Sample : L2331-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

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_G\METHODS\8270-BG041520.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	3.178	11	15	22	rVB2	41349	60199	1.39%	0.154%
2	5.581	416	424	437	rBV	990039	1705464	39.26%	4.356%
3	7.173	686	695	706	rBV	1159804	2050633	47.20%	5.237%
4	8.007	827	837	846	rBV	282220	497954	11.46%	1.272%
5	8.330	883	892	900	rBV	939071	1718942	39.57%	4.390%
6	9.164	1026	1034	1044	rBV	771247	1384541	31.87%	3.536%
7	10.815	1308	1315	1322	rBV	393076	732527	16.86%	1.871%
8	13.264	1723	1732	1740	rBV	2180499	3469036	79.85%	8.860%
9	14.093	1866	1873	1878	rBV	283288	424857	9.78%	1.085%
10	14.369	1912	1920	1927	rBV2	47021	96826	2.23%	0.247%
11	14.645	1957	1967	1973	rBV2	637319	1061521	24.43%	2.711%
12	14.704	1973	1977	1986	rVB3	39838	71080	1.64%	0.182%
13	15.038	2028	2034	2044	rVB2	33150	64348	1.48%	0.164%
14	15.690	2139	2145	2154	rVB2	64899	108397	2.50%	0.277%
15	16.131	2213	2220	2227	rBV	1752524	2711808	62.42%	6.926%
16	16.366	2256	2260	2269	rVB	25092	47752	1.10%	0.122%
17	16.701	2309	2317	2321	rBV7	21613	48235	1.11%	0.123%
18	17.212	2399	2404	2408	rVB	33490	51665	1.19%	0.132%
19	17.388	2428	2434	2438	rBV	792217	1237431	28.48%	3.160%
20	17.429	2438	2441	2447	rVV	451003	642412	14.79%	1.641%
21	17.523	2451	2457	2462	rVV	208071	330090	7.60%	0.843%
22	17.576	2463	2466	2473	rVB4	28035	47130	1.08%	0.120%
23	17.788	2498	2502	2508	rBV2	33070	54130	1.25%	0.138%
24	17.970	2529	2533	2539	rVB3	30611	50878	1.17%	0.130%
25	18.122	2553	2559	2563	rVB2	22978	50082	1.15%	0.128%
26	18.269	2578	2584	2588	rVV	92063	170001	3.91%	0.434%
27	18.316	2588	2592	2598	rVV	124284	195156	4.49%	0.498%
28	18.393	2600	2605	2609	rVV	47919	81898	1.89%	0.209%
29	18.457	2610	2616	2620	rVV2	177063	352040	8.10%	0.899%
30	18.493	2620	2622	2631	rVB2	74275	127591	2.94%	0.326%
31	18.763	2663	2668	2671	rBV2	74336	113617	2.62%	0.290%
32	18.798	2671	2674	2681	rVB4	38679	71213	1.64%	0.182%
33	19.056	2715	2718	2721	rBV2	37327	47497	1.09%	0.121%
34	19.098	2721	2725	2729	rVB2	44726	70328	1.62%	0.180%

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35	19.180	2734	2739	2743	rBV	127330	206598	4.76%	0.528%
36	19.315	2758	2762	2770	rBV4	86523	173332	3.99%	0.443%
37	19.438	2777	2783	2789	rBV	1132765	1635573	37.65%	4.177%
38	19.591	2804	2809	2814	rBV2	45381	99986	2.30%	0.255%
39	19.685	2821	2825	2828	rBV2	45036	64009	1.47%	0.163%
40	19.803	2835	2845	2853	rBV	1088943	1946755	44.81%	4.972%
41	19.873	2853	2857	2863	rVB3	79042	137173	3.16%	0.350%
42	20.002	2872	2879	2884	rBV	3176349	4344340	100.00%	11.096%
43	20.126	2895	2900	2911	rVB5	101698	239569	5.51%	0.612%
44	20.261	2919	2923	2924	rVV2	95465	123322	2.84%	0.315%
45	20.290	2925	2928	2935	rVB	177009	279186	6.43%	0.713%
46	20.390	2941	2945	2950	rVB2	117814	150881	3.47%	0.385%
47	20.449	2950	2955	2959	rBV2	156092	259579	5.98%	0.663%
48	20.590	2975	2979	2983	rBV	132092	168841	3.89%	0.431%
49	20.637	2983	2987	2991	rVB	110949	150931	3.47%	0.385%
50	21.048	3054	3057	3065	rVB	113154	194501	4.48%	0.497%
51	21.277	3093	3096	3098	rBV2	61719	87026	2.00%	0.222%
52	21.312	3098	3102	3109	rVV5	178856	376184	8.66%	0.961%
53	21.377	3110	3113	3122	rVB2	79610	162281	3.74%	0.414%
54	21.647	3151	3159	3164	rBV3	905978	2398787	55.22%	6.127%
55	21.694	3164	3167	3181	rVB	562477	1152491	26.53%	2.944%
56	21.853	3190	3194	3201	rBV3	98907	165633	3.81%	0.423%
57	22.047	3225	3227	3235	rVB6	48790	83703	1.93%	0.214%
58	22.452	3293	3296	3305	rVB6	82502	166723	3.84%	0.426%
59	23.832	3522	3531	3539	rBV	396279	1339208	30.83%	3.420%
60	24.079	3568	3573	3580	rVB	89670	203067	4.67%	0.519%
61	24.537	3643	3651	3664	rVB	266773	814006	18.74%	2.079%
62	24.678	3667	3675	3684	rVV	360583	994151	22.88%	2.539%
63	24.831	3693	3701	3708	rBV	395257	1088625	25.06%	2.780%

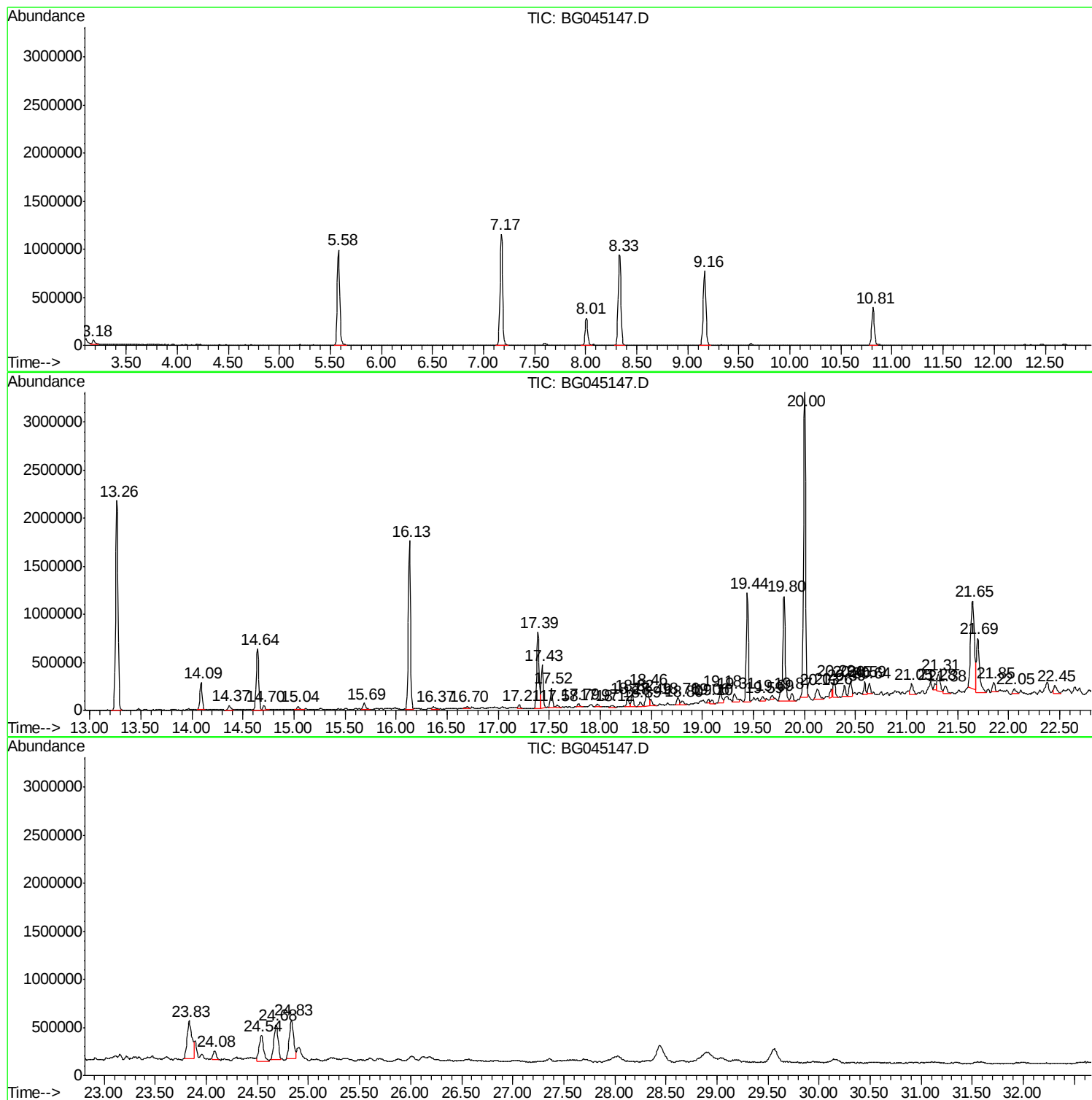
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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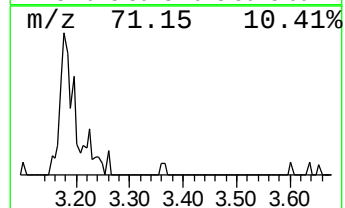
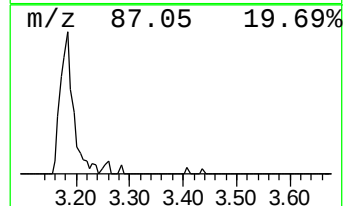
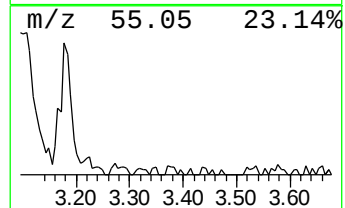
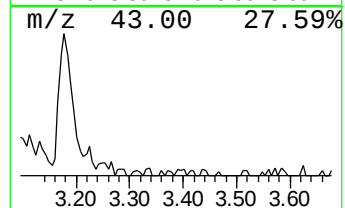
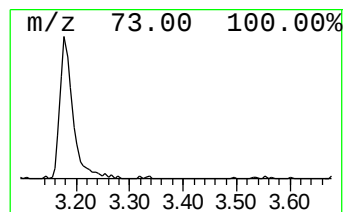
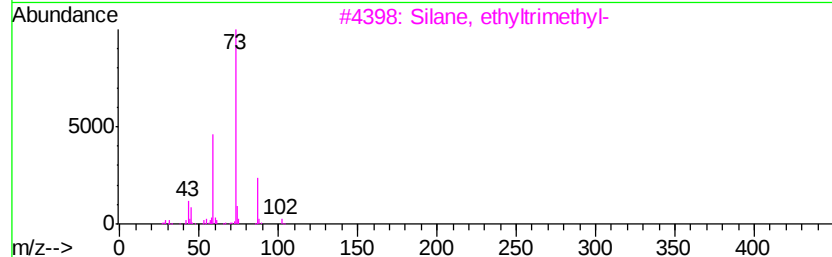
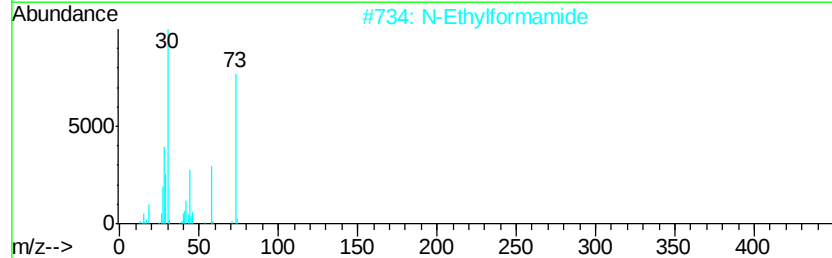
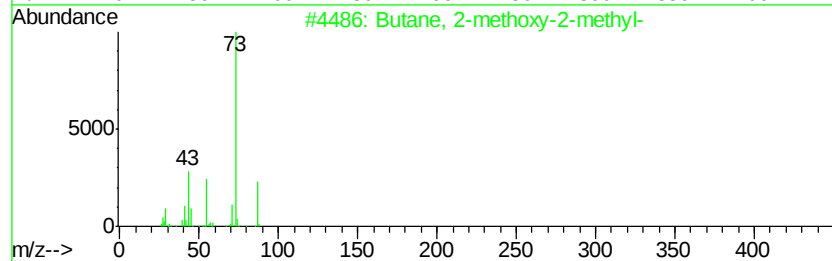
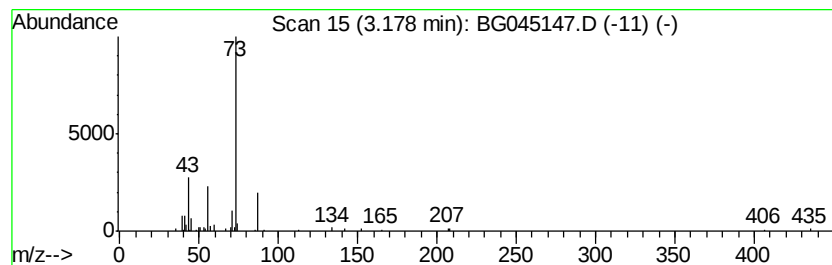
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	2.42 ng	60199	1,4-Dichlorobenzene-d4	8.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2		N-Ethylformamide	73	C3H7NO	000627-45-2	9
3		Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9
4		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9
5		o-2-Pentylhydroxylamine	103	C5H13NO	1000322-43-4	9



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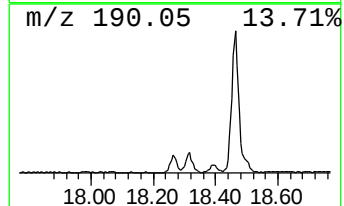
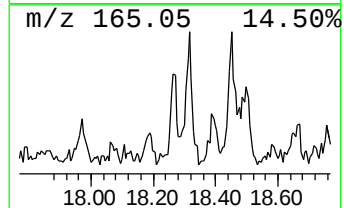
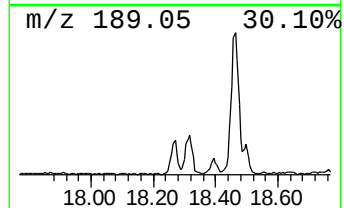
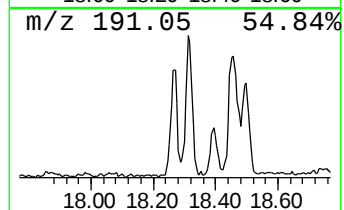
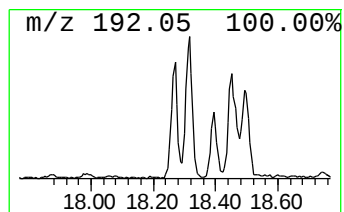
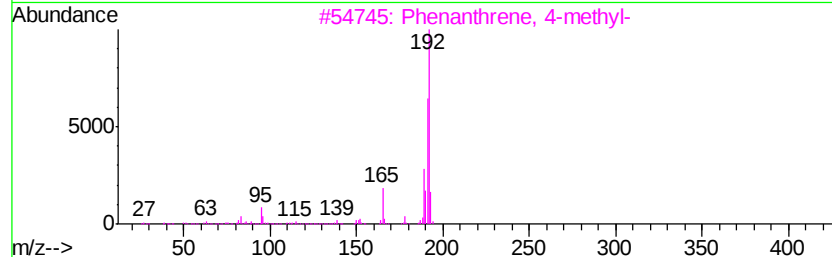
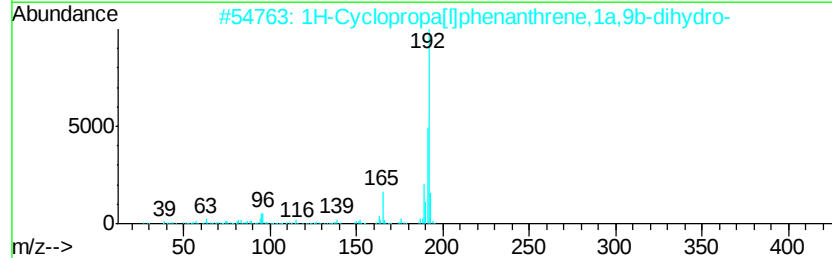
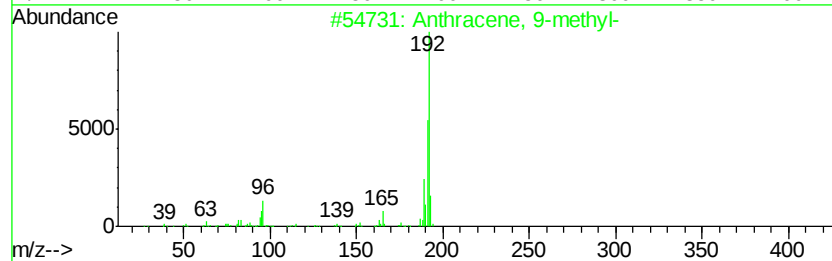
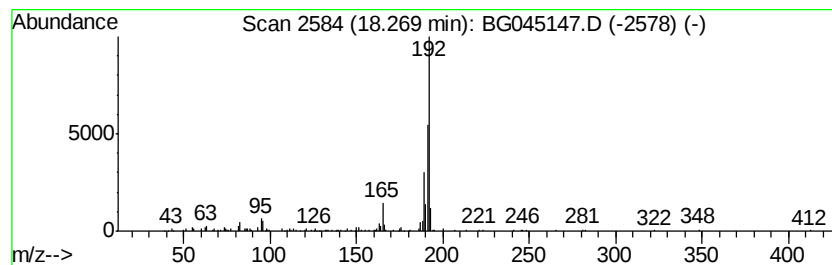
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	2.75 ng	170001	Phenanthrene-d10	17.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



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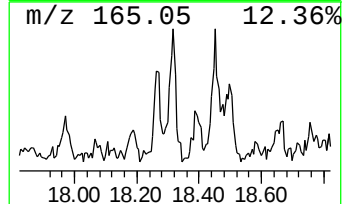
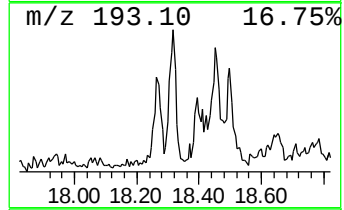
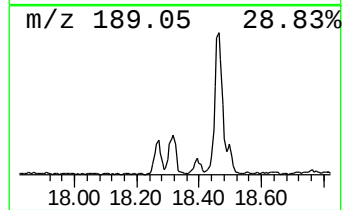
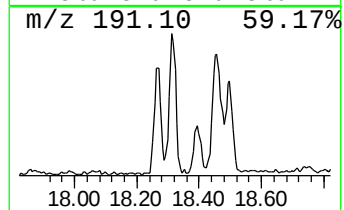
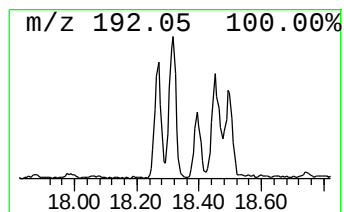
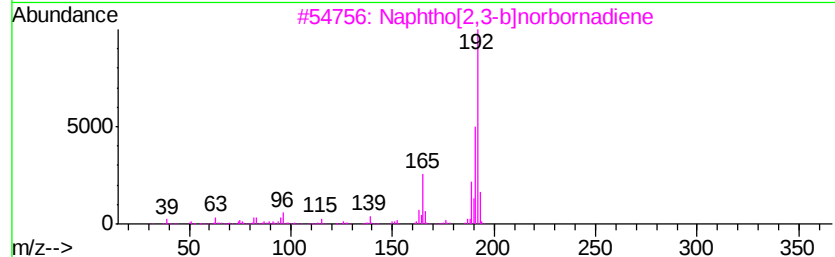
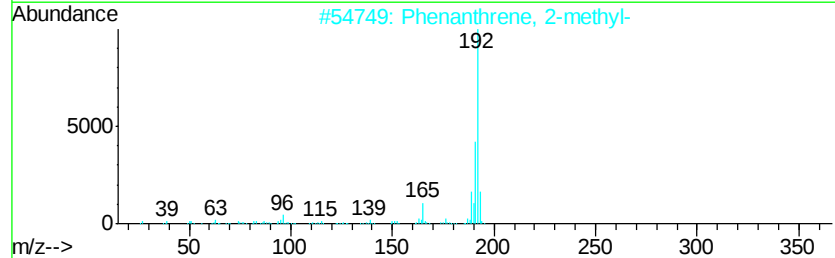
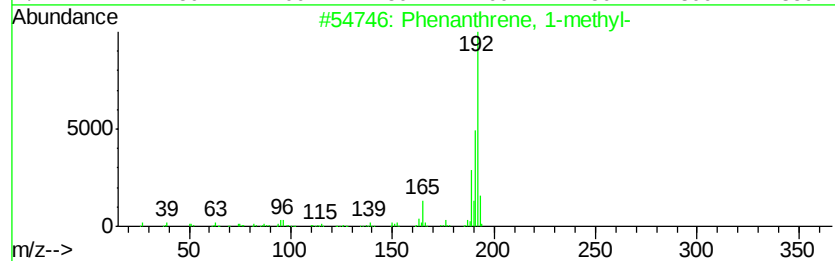
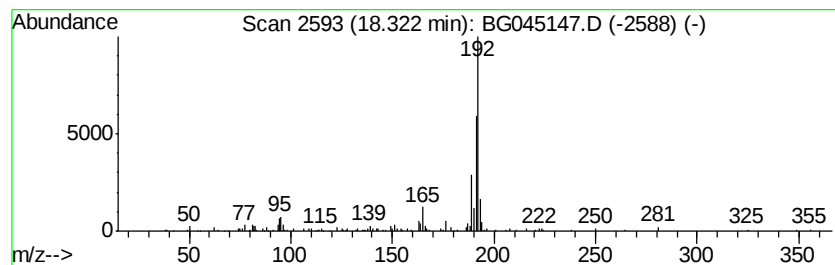
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.15 ng	195156	Phenanthrene-d10	17.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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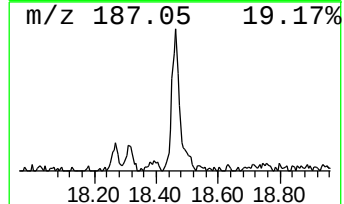
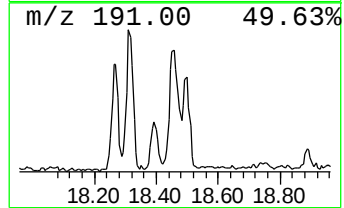
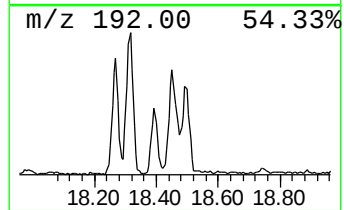
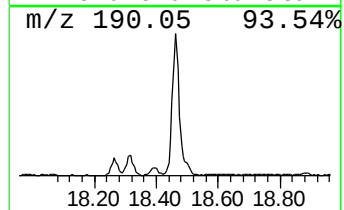
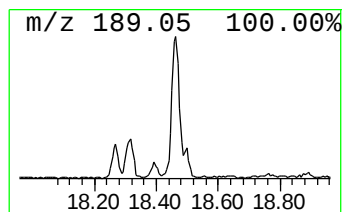
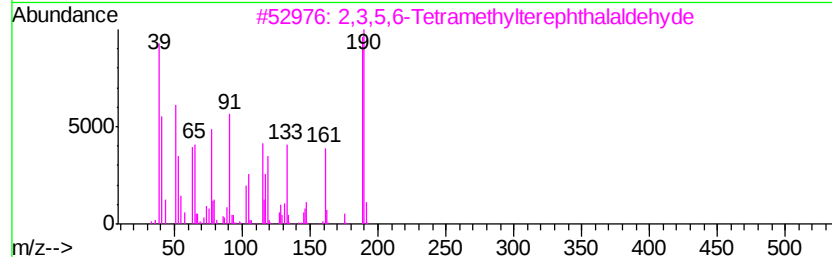
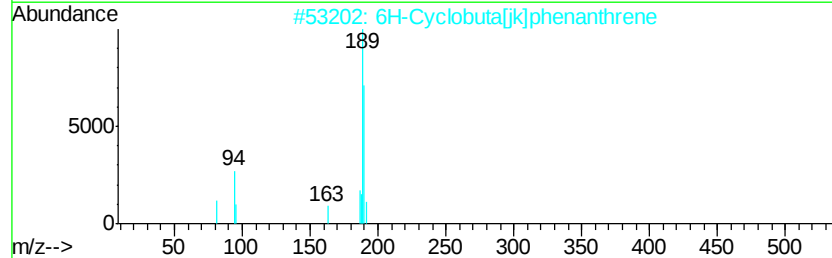
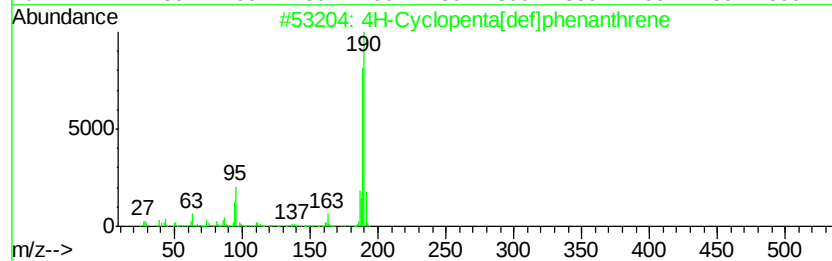
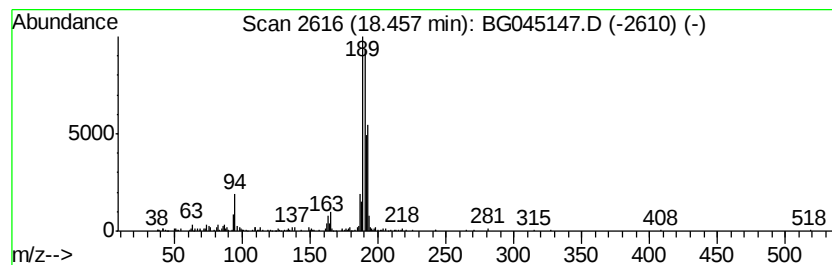
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TIC Library : C:\Database\NIST11.L
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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.46	5.69 ng	352040	Phenanthrene-d10	17.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthald...	190	C12H14O2	007072-01-7	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	Megastigmatrienone	190	C13H18O	038818-55-2	18



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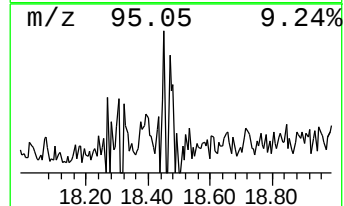
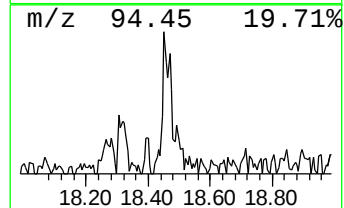
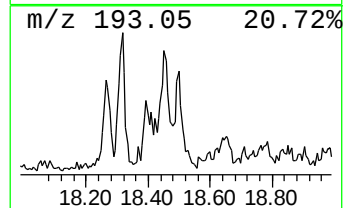
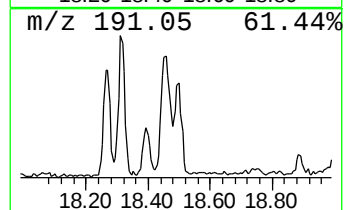
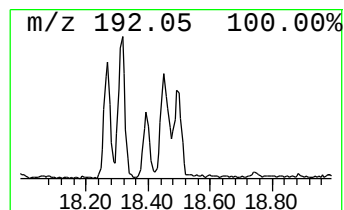
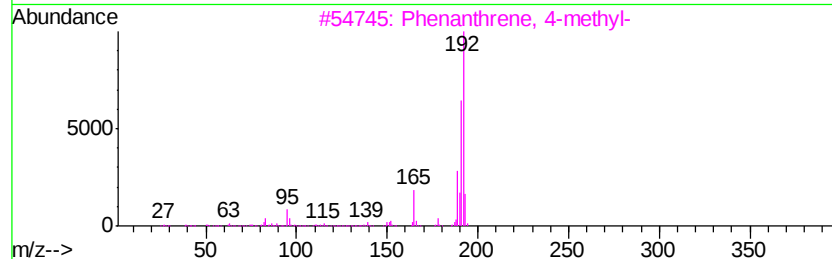
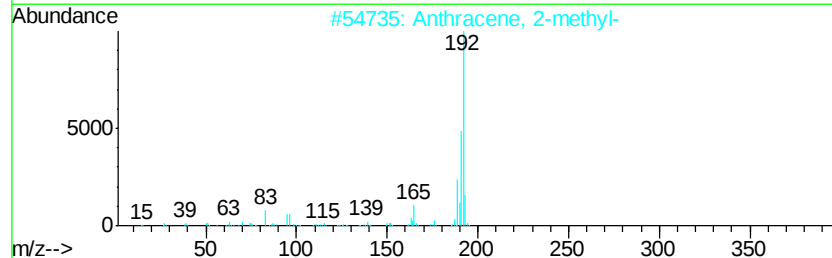
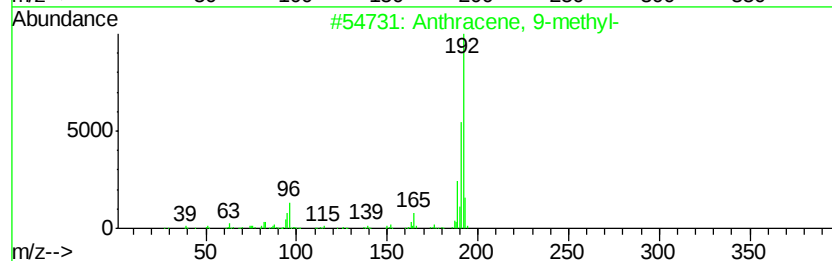
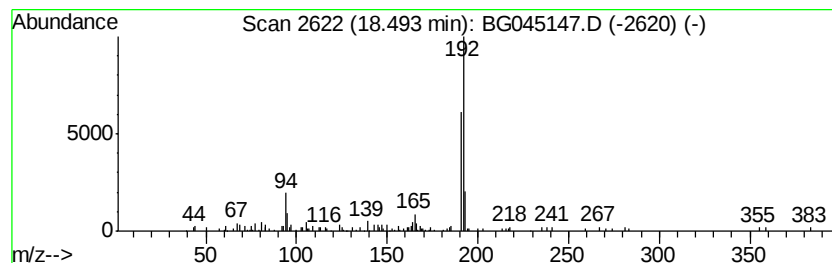
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.06 ng	127591	Phenanthrene-d10	17.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
Operator : CG/JU
Sample : L2331-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-19A

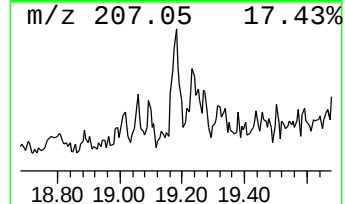
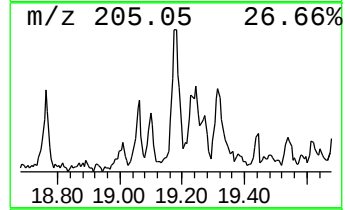
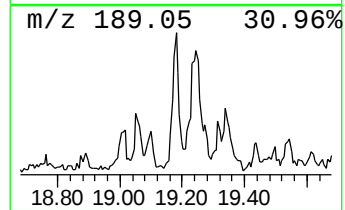
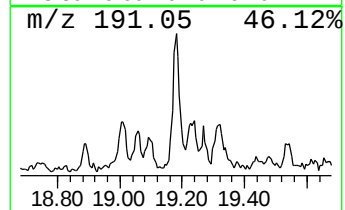
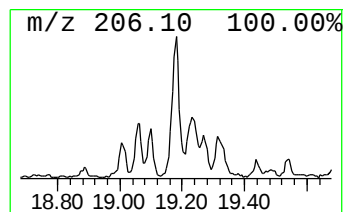
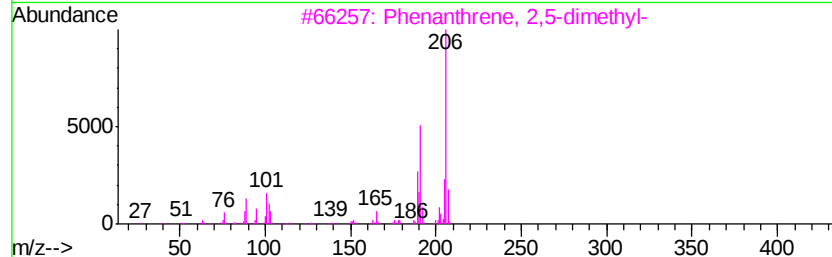
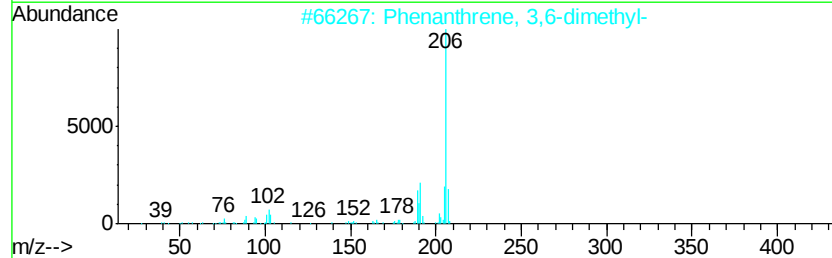
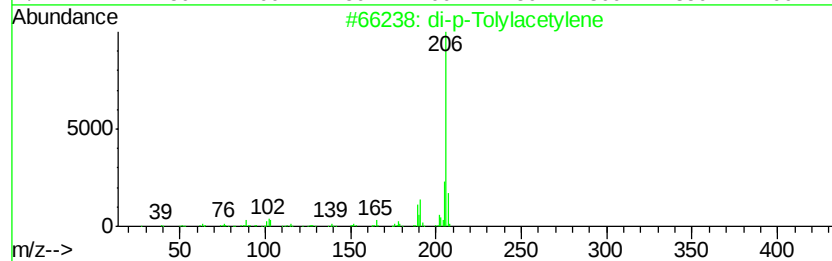
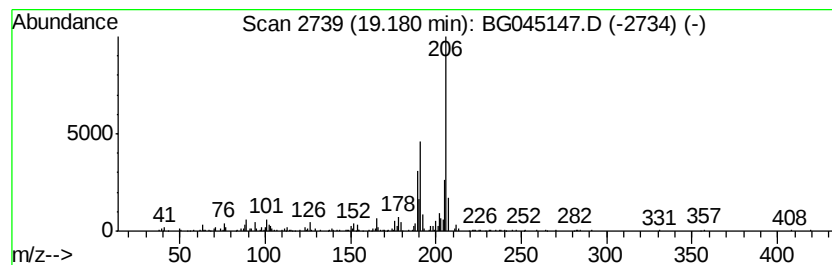
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 di-p-Tolylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	3.34 ng	206598	Phenanthrene-d10	17.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
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Sample : L2331-06
Misc :
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Instrument :
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ClientSampleId :
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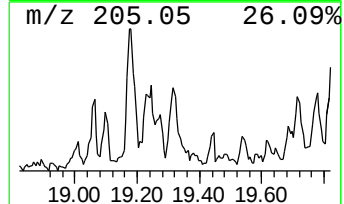
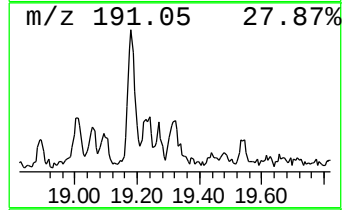
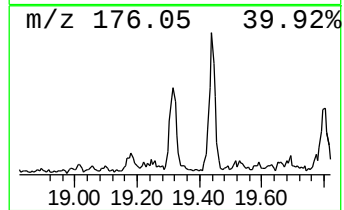
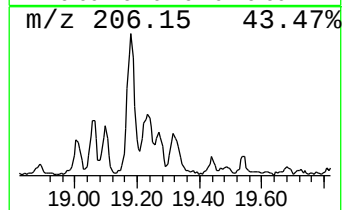
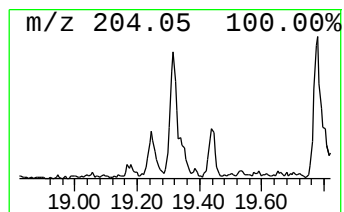
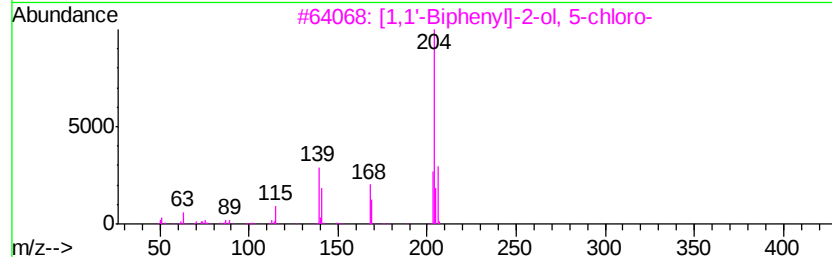
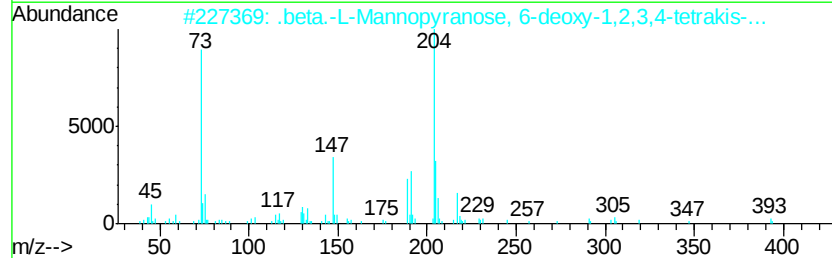
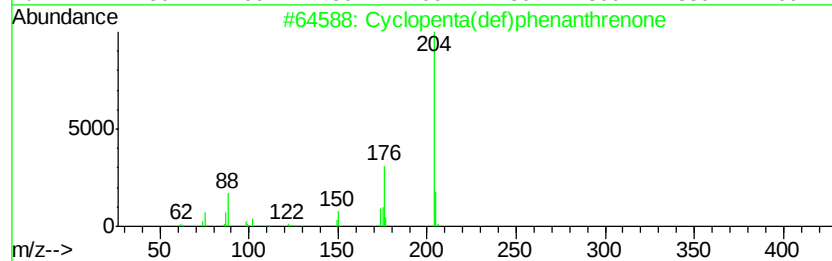
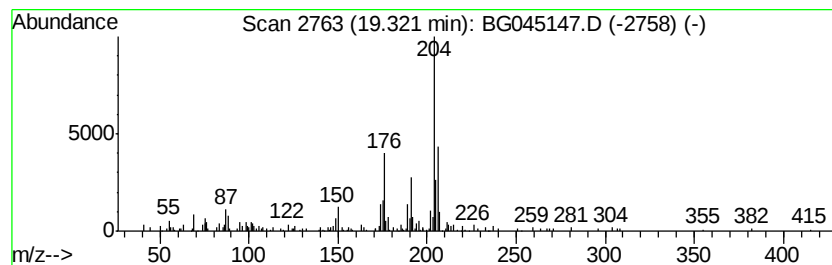
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	2.80 ng	173332	Phenanthrene-d10	17.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	58
2		.beta.-L-Mannopyranose, 6-deoxy-...	452	C18H44O5Si4	055057-22-2	50
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
5		.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
Operator : CG/JU
Sample : L2331-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

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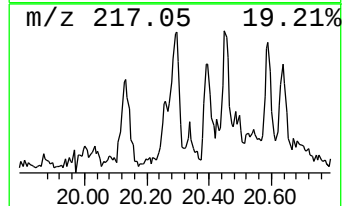
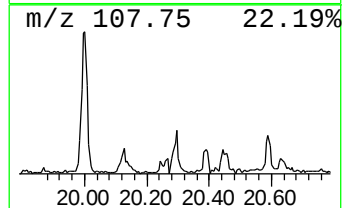
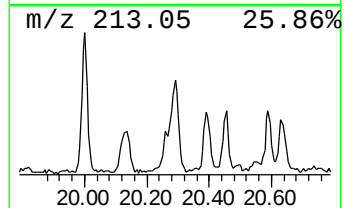
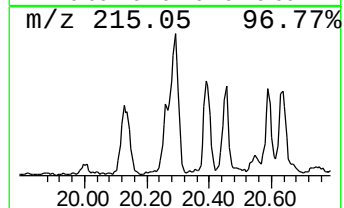
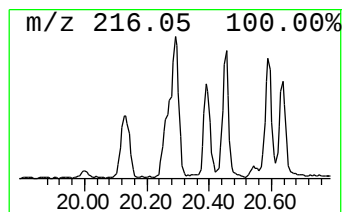
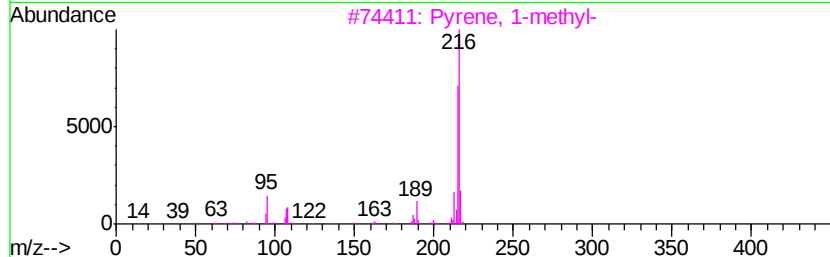
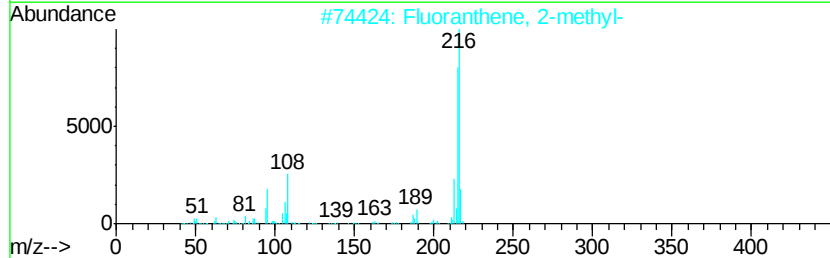
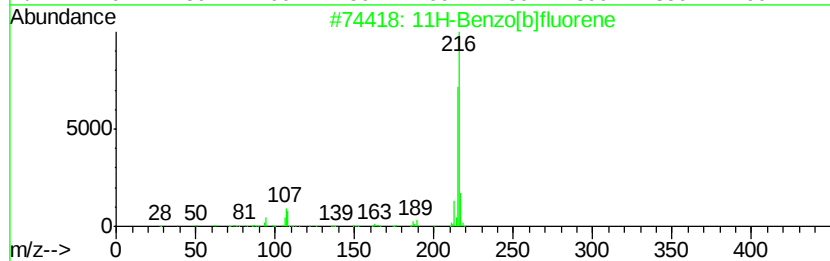
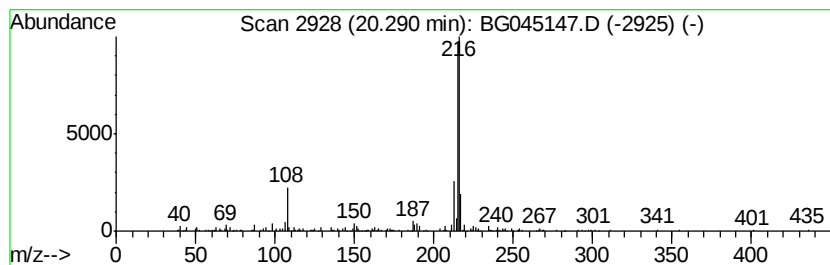
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	2.33 ng	279186	Chrysene-d12	21.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
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Sample : L2331-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

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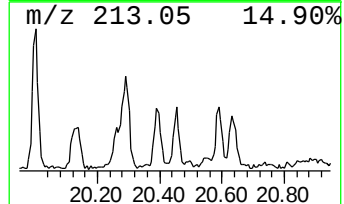
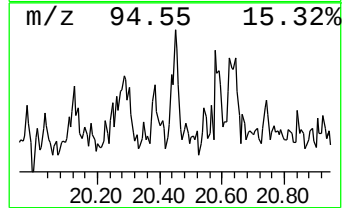
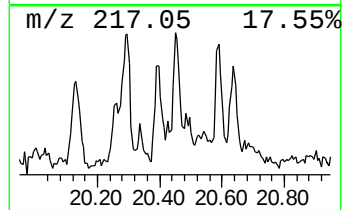
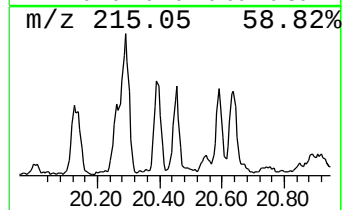
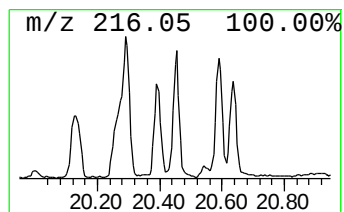
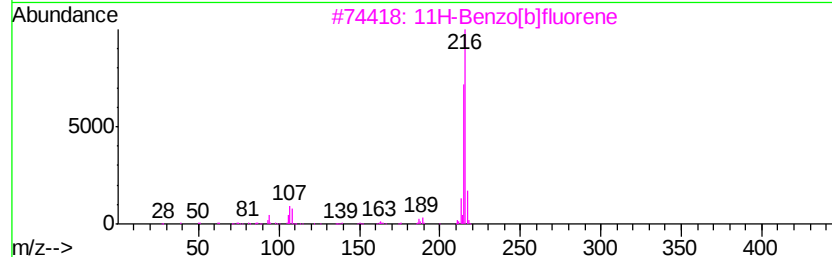
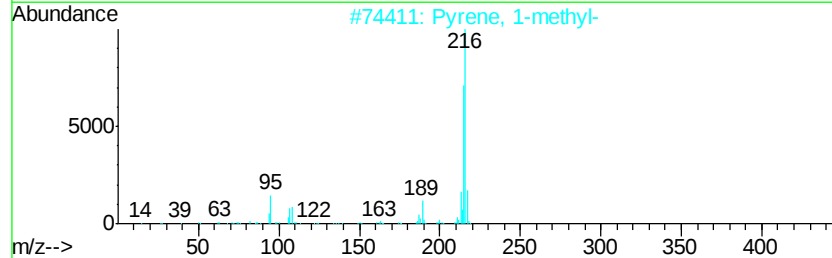
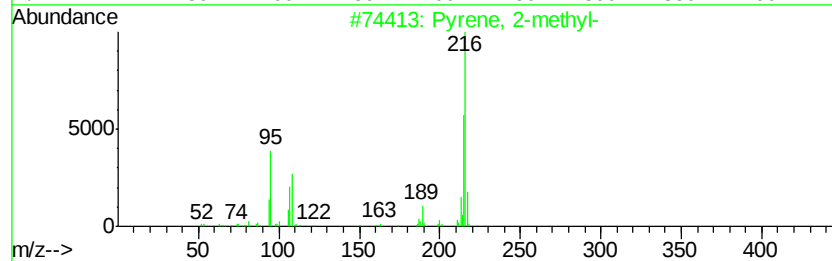
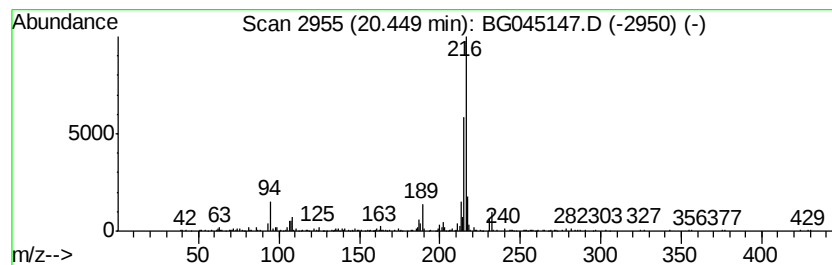
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	2.16 ng	259579	Chrysene-d12	21.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
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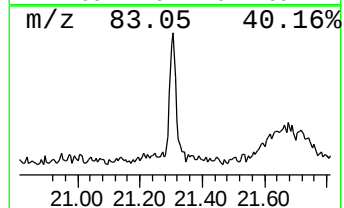
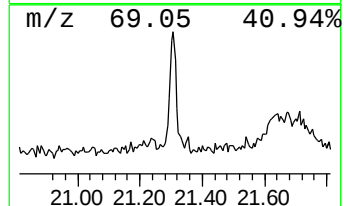
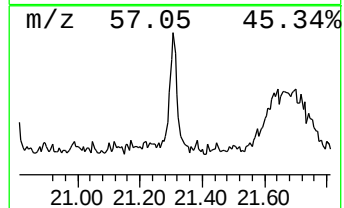
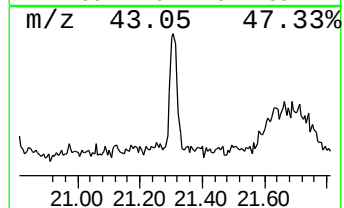
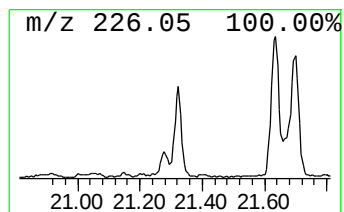
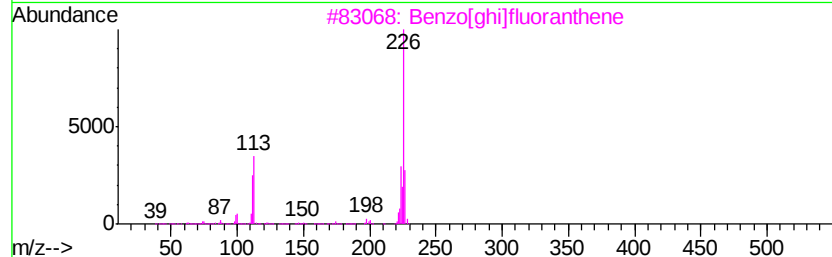
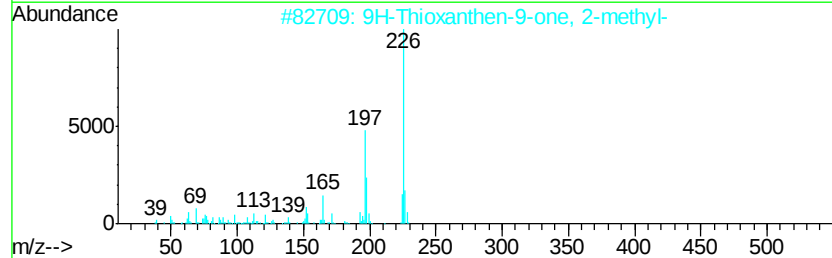
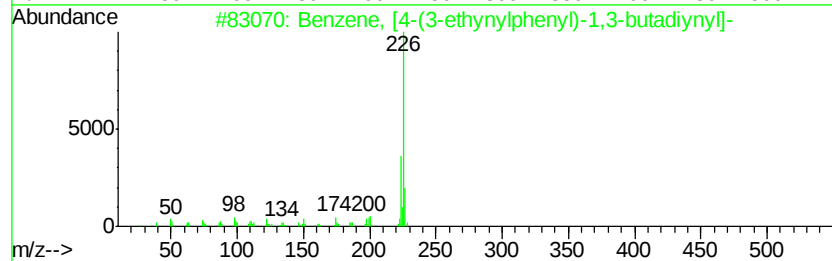
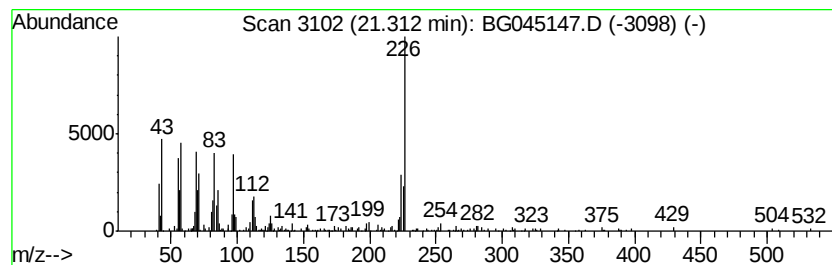
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown21.31 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.31	3.14 ng	376184	Chrysene-d12	21.65		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	30
2		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	27
3		Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	27
4		Spiro(2-t-butyl-6-phenyl-1,3-dio...	312	C20H24O3	1000191-40-7	22
5		Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
Data File : BG045147.D
Acq On : 23 Apr 2020 18:30
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Misc :
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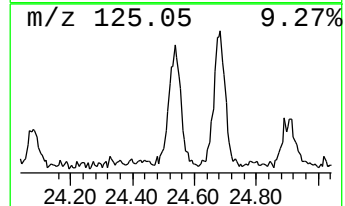
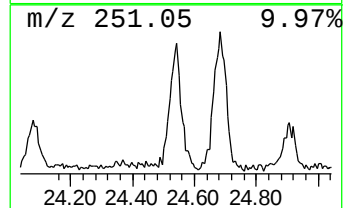
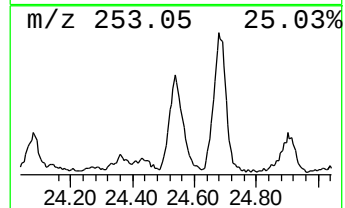
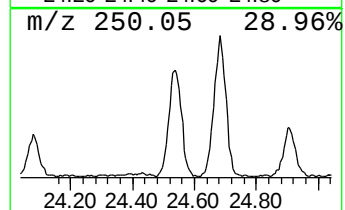
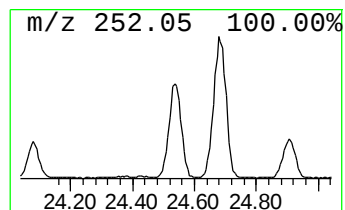
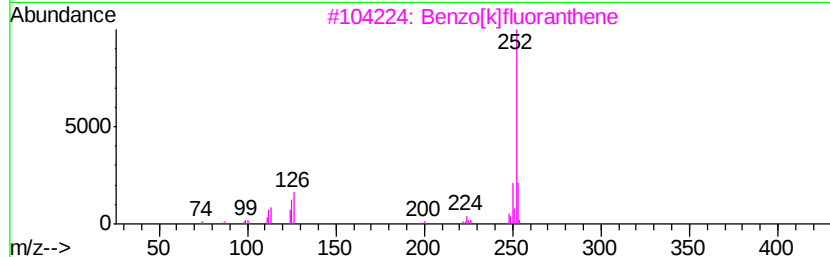
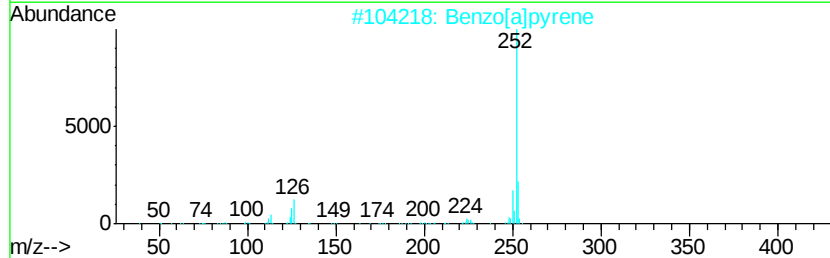
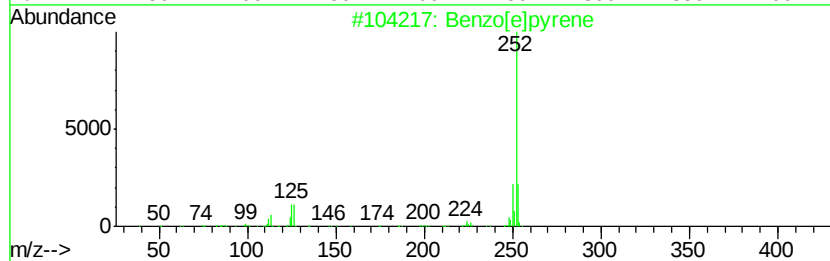
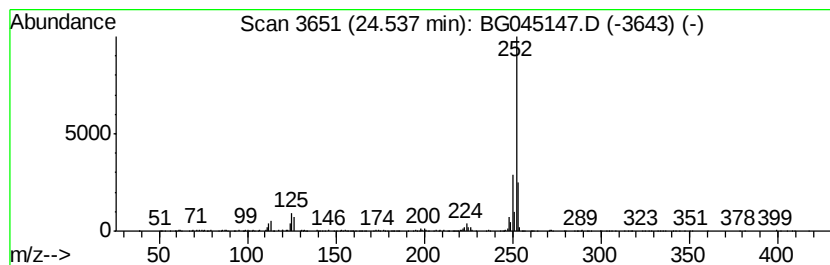
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.54	14.95 ng	814006	Perylene-d12	24.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2		Benzo[a]pyrene	252	C20H12	000050-32-8	91
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG042320\
 Data File : BG045147.D
 Acq On : 23 Apr 2020 18:30
 Operator : CG/JU
 Sample : L2331-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-19A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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
Butane, 2-methoxy...	3.18	2.4	ng	60199	1	8.01	497954	20.0
Anthracene, 9-met...	18.27	2.8	ng	170001	4	17.39	1237430	20.0
Phenanthrene, 1-m...	18.32	3.1	ng	195156	4	17.39	1237430	20.0
4H-Cyclopenta[def...	18.46	5.7	ng	352040	4	17.39	1237430	20.0
Anthracene, 2-met...	18.49	2.1	ng	127591	4	17.39	1237430	20.0
di-p-Tolylacetylene	19.18	3.3	ng	206598	4	17.39	1237430	20.0
Cyclopenta(def)ph...	19.32	2.8	ng	173332	4	17.39	1237430	20.0
11H-Benzo[b]fluorene	20.29	2.3	ng	279186	5	21.65	2398790	20.0
Pyrene, 2-methyl-	20.45	2.2	ng	259579	5	21.65	2398790	20.0
unknown21.31	21.31	3.1	ng	376184	5	21.65	2398790	20.0
Benzo[e]pyrene	24.54	14.9	ng	814006	6	24.83	1088630	20.0