LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-4

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-BM040121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.922	3	6	16	rVB	339189	458110	8.56%	0.798%
2	5.269	399	405	414	rBV	658080	979372	18.31%	1.705%
3	6.846	666	673	691	rBV	658916	1076279	20.12%	1.874%
4	7.675	806	814	821	rBV	406805	650236	12.15%	1.132%
5	8.822	1002	1009	1019	rBV	415503	705014	13.18%	1.228%
6	10.451	1278	1286	1292	rBV	491005	830488	15.52%	1.446%
7	10.498	1292	1294	1300	rVB	41491	61088	1.14%	0.106%
8	12.116	1561	1569	1577	rBV2	30459	57382	1.07%	0.100%
9	12.928	1700	1707	1714	rBV	752161	1114784	20.84%	1.941%
10	13.633	1821	1827	1832	rBV2	66393	109858	2.05%	0.191%
11	13.769	1841	1850	1860	rBV2	46995	80625	1.51%	0.140%
12	14.033	1888	1895	1900	rBV	140839	221830	4.15%	0.386%
13	14.310	1932	1942	1948	rBV2	647923	995502	18.61%	1.733%
14	14.375	1948	1953	1960	rVB	138981	207103	3.87%	0.361%
15	14.710	2004	2010	2019	rVV2	118307	190973	3.57%	0.333%
16	14.927	2040	2047	2053	rBV4	29536	61315	1.15%	0.107%
17	15.357	2115	2120	2133	rVB	175795	298959	5.59%	0.521%
18	15.657	2166	2171	2181	rVB	73436	126349	2.36%	0.220%
19	15.798	2189	2195	2203	rVV2	701816	1027774	19.21%	1.790%
20	16.039	2230	2236	2245	rVB4	50985	94947	1.77%	0.165%
21	16.363	2281	2291	2296	rBV6	49442	131655	2.46%	0.229%
22	16.710	2345	2350	2358	rVB	117937	185879	3.47%	0.324%
23	16.786	2359	2363	2369	rBV3	50787	111848	2.09%	0.195%
24	16.874	2374	2378	2383	rVB	124120	167326	3.13%	0.291%
25	17.057	2403	2409	2412	rBV	703603	1066339	19.93%	1.857%
26	17.098	2412	2416	2422	rVV	2625462	3511268	65.63%	6.114%
27	17.186	2426	2431	2436	rVV	548125	763412	14.27%	1.329%
28	17.245	2436	2441	2447	rVV3	65577	110128	2.06%	0.192%
29	17.457	2468	2477	2481	rBV2	200988	356832	6.67%	0.621%
30	17.574	2493	2497	2501	rBV3	52053	71471	1.34%	0.124%
31	17.633	2503	2507	2514	rVB4	55110	83867	1.57%	0.146%
32	17.927	2552	2557	2560	rVV	320638	473519	8.85%	0.825%
33	17.974	2560	2565	2572	rVV2	478766	902194	16.86%	1.571%
34	18.057	2574	2579	2584	rVV	173243	273055	5.10%	0.475%
35	18.121	2584	2590	2594	rVV2	439865	832978	15.57%	1.450%
36	18.157	2594	2596	2603	rVB	228323	291820	5.45%	0.508%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-4

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-BM040121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.433	2638	2643	2646	rBV	232197	301860	5.64%	0.526%
38	18.468	2646	2649	2654	rVB	194848	265718	4.97%	0.463%
39	18.680	2682	2685	2689	rVV	79024	92533	1.73%	0.161%
40	18.727	2690	2693	2696	rVV	71115	85588	1.60%	0.149%
41	18.768	2696	2700	2704	rVB	74455	108977	2.04%	0.190%
42	18.851	2709	2714	2718	rBV2	196378	327799	6.13%	0.571%
43	18.915	2719	2725	2728	rVV4	108414	238067	4.45%	0.415%
44	18.945	2728	2730	2734	rVV	73047	74033	1.38%	0.129%
45	18.992	2734	2738	2746	rVV2	182460	304595	5.69%	0.530%
46	19.115	2753	2759	2766	rBV	4044840	5132910	95.94%	8.938%
47	19.215	2773	2776	2778	rBV2	63340	73506	1.37%	0.128%
48	19.245	2778	2781	2782	rBV	63561	72065	1.35%	0.125%
49	19.357	2797	2800	2805	rVB	102261	119067	2.23%	0.207%
50	19.480	2811	2821	2828	rBV	3500722	5349950	100.00%	9.316%
51	19.551	2829	2833	2840	rVB2	161661	275750	5.15%	0.480%
52	19.657	2847	2851	2852	rBV	172541	204494	3.82%	0.356%
53	19.680	2852	2855	2859	rVV	885351	1187622	22.20%	2.068%
54	19.715	2859	2861	2866	rVB	187418	238016	4.45%	0.414%
55	19.804	2870	2876	2882	rBV4	220400	545367	10.19%	0.950%
56	19.939	2894	2899	2901	rBV4	146703	272728	5.10%	0.475%
57	19.974	2901	2905	2909	rVB2	359078	517111	9.67%	0.900%
58	20.074	2919	2922	2925	rVB2	186761	201327	3.76%	0.351%
59	20.133	2926	2932	2936	rBV2	297000	481422	9.00%	0.838%
60	20.268	2952	2955	2959	rBV2	160061	206507	3.86%	0.360%
61	20.315	2959	2963	2967	rVV	199144	267353	5.00%	0.466%
62	20.715	3028	3031	3037	rVB	326683	440685	8.24%	0.767%
63	20.886	3054	3060	3063	rBV2	300950	543447	10.16%	0.946%
64	20.921	3063	3066	3069	rVV	292823	354801	6.63%	0.618%
65	20.962	3069	3073	3078	rVV2	451751	733723	13.71%	1.278%
66	21.015	3078	3082	3089	rVB2	362477	511235	9.56%	0.890%
67	21.227	3113	3118	3123	rBV3	2396557	4275545	79.92%	7.445%
68	21.274	3123	3126	3136	rVB	1877519	2324979	43.46%	4.048%
69	21.392	3143	3146	3151	rBV	243366	325629	6.09%	0.567%
70	21.545	3169	3172	3176	rBV2	176754	256645	4.80%	0.447%
71	22.792	3378	3384	3388	rBV	1459934	3200146	59.82%	5.572%
72	22.956	3409	3412	3420	rVB	272978	405744	7.58%	0.707%
73	23.262	3459	3464	3471	rVB	885115	1697574	31.73%	2.956%
74	23.356	3474	3480	3488	rVB	1425170	2495438	46.64%	4.345%
75	23.450	3491	3496	3500	rBV2	575459	982286	18.36%	1.710%
76	25.668	3867	3873	3884	rVB	682864	1861828	34.80%	3.242%

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-4

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-BM040121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	26.350	3984	3989	4001	rVB	511294	1394312	26.06%	2.428%

Sum of corrected areas: 57429961

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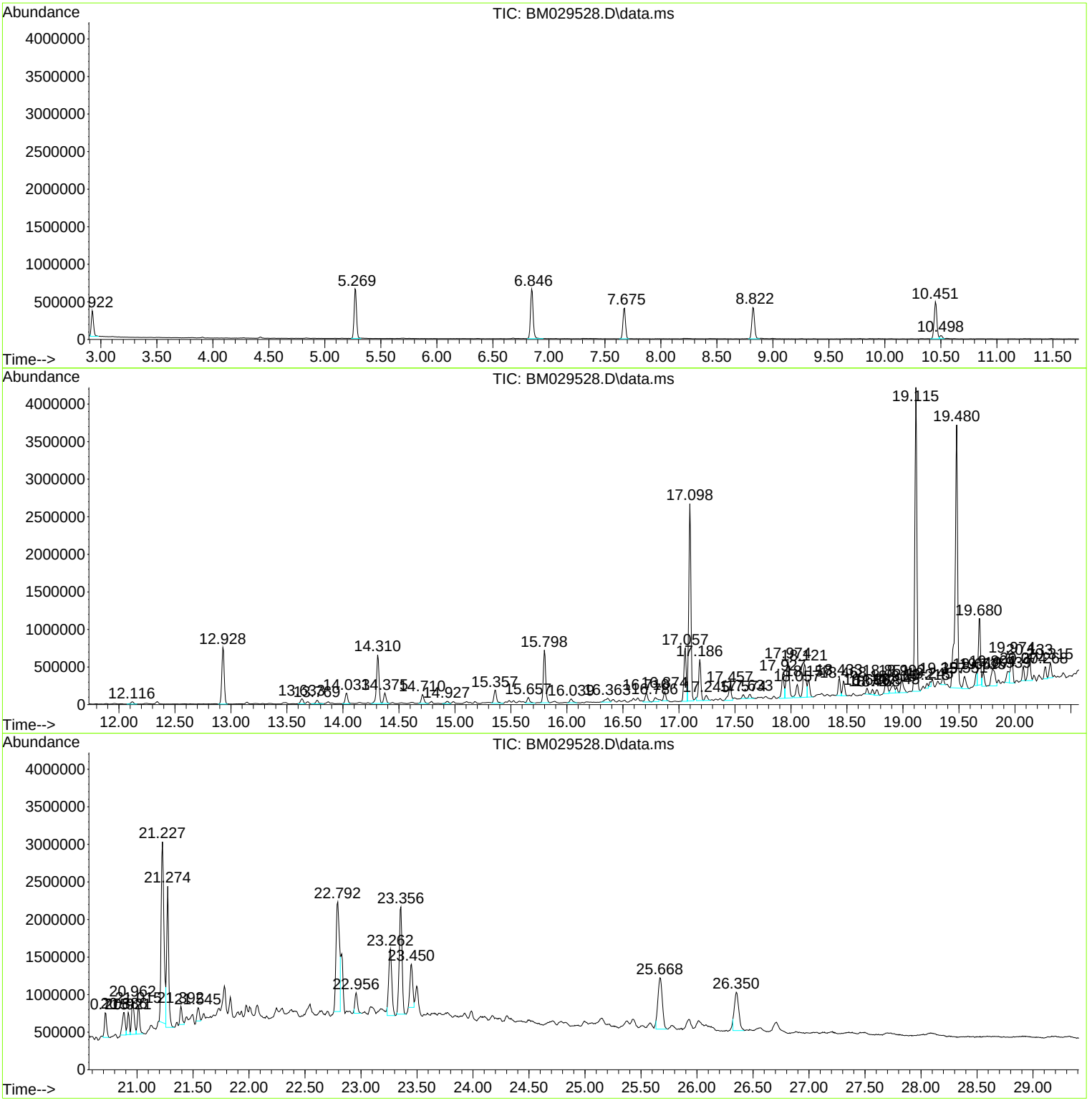
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
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Instrument : BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

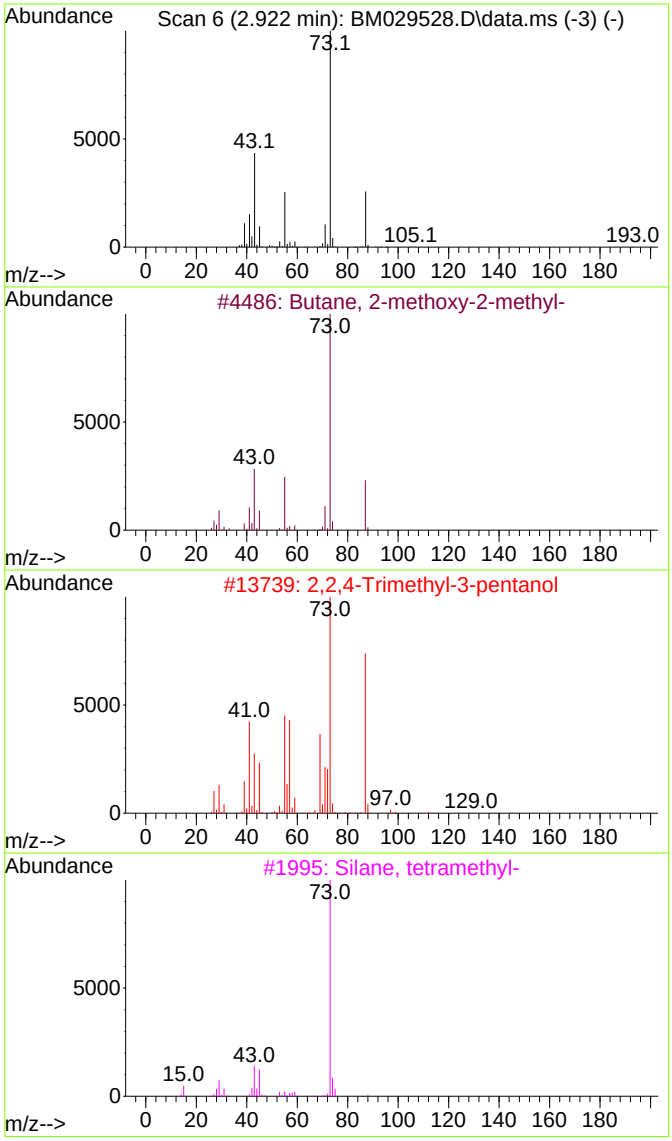
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

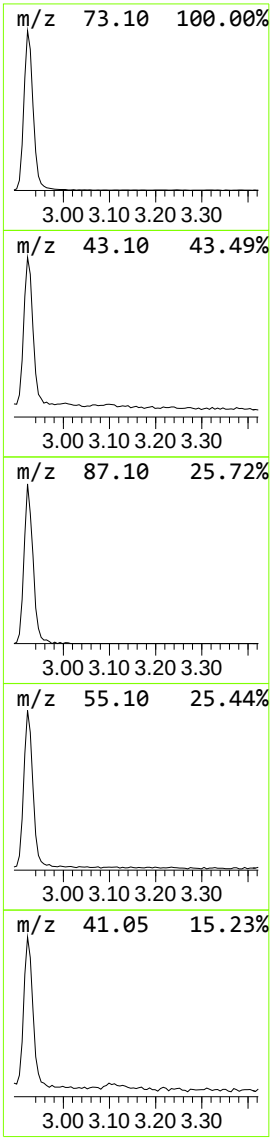
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.922	14.09 ng	458110	1,4-Dichlorobenzene-d4	7.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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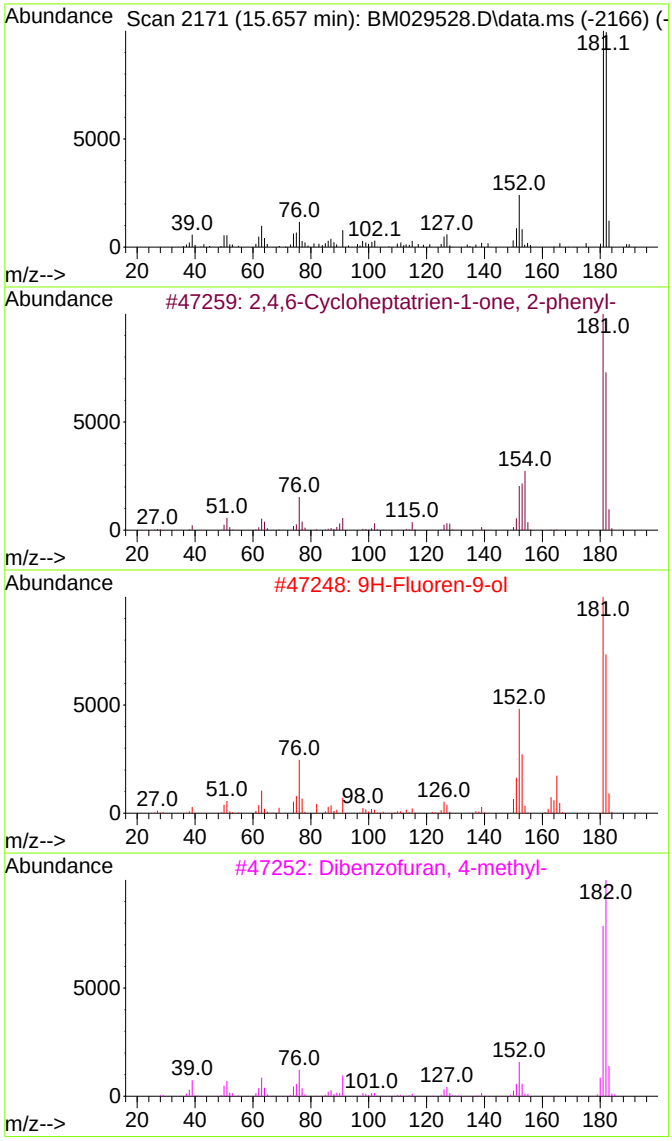
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

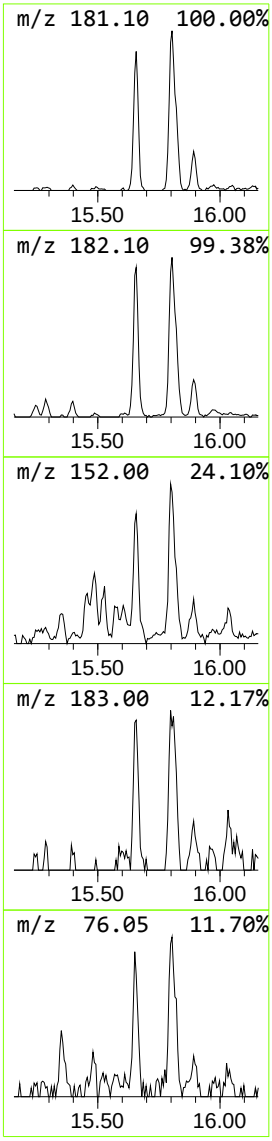
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,6-Cycloheptatrien-1-one... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.657	2.54 ng	126349	Acenaphthene-d10	14.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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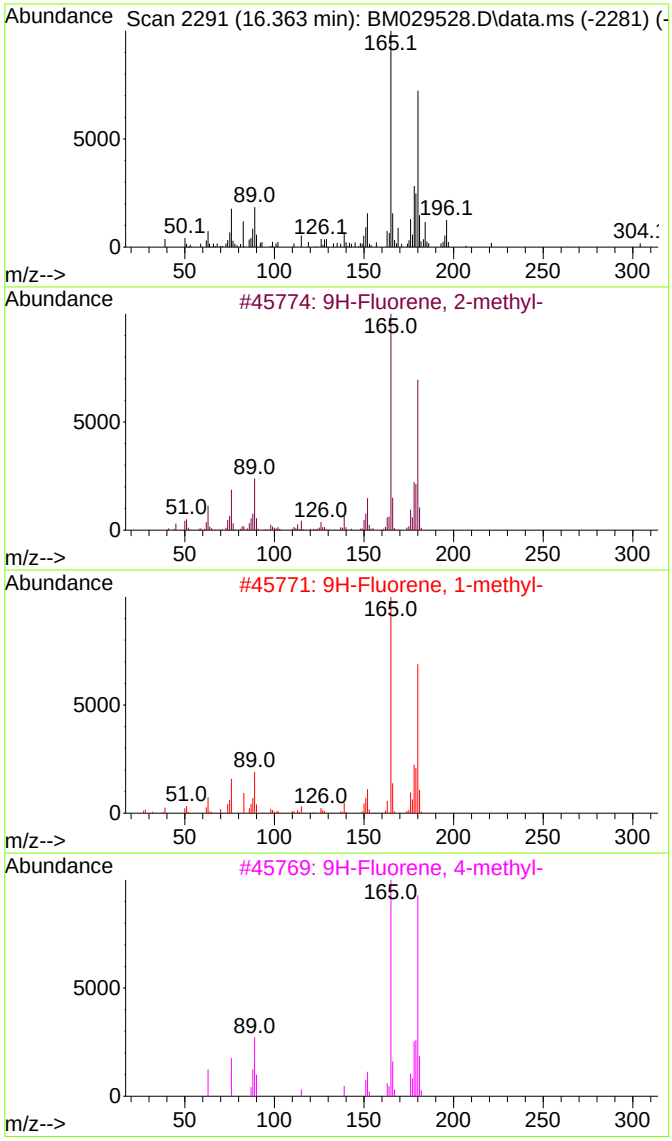
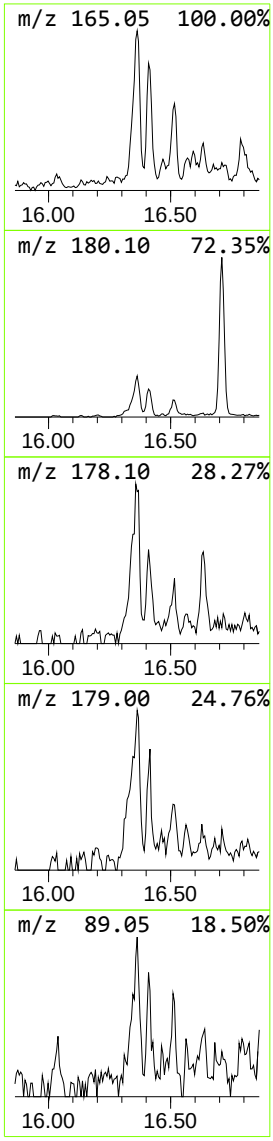
****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.363	2.47 ng	131655	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 4-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	78





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Sample : M2050-09 2X
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
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TIC Library : C:\DATABASE\NIST11.L
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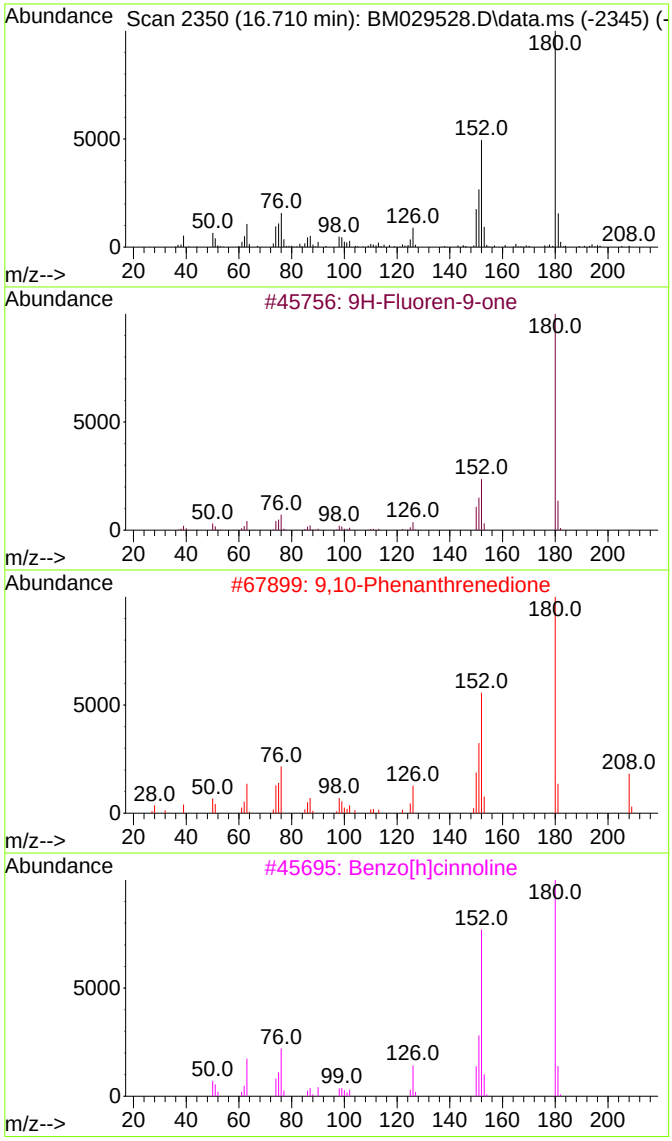
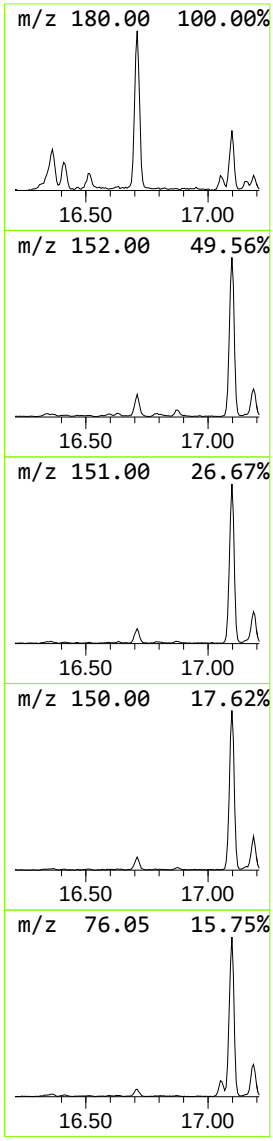
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.710	3.49 ng	185879	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

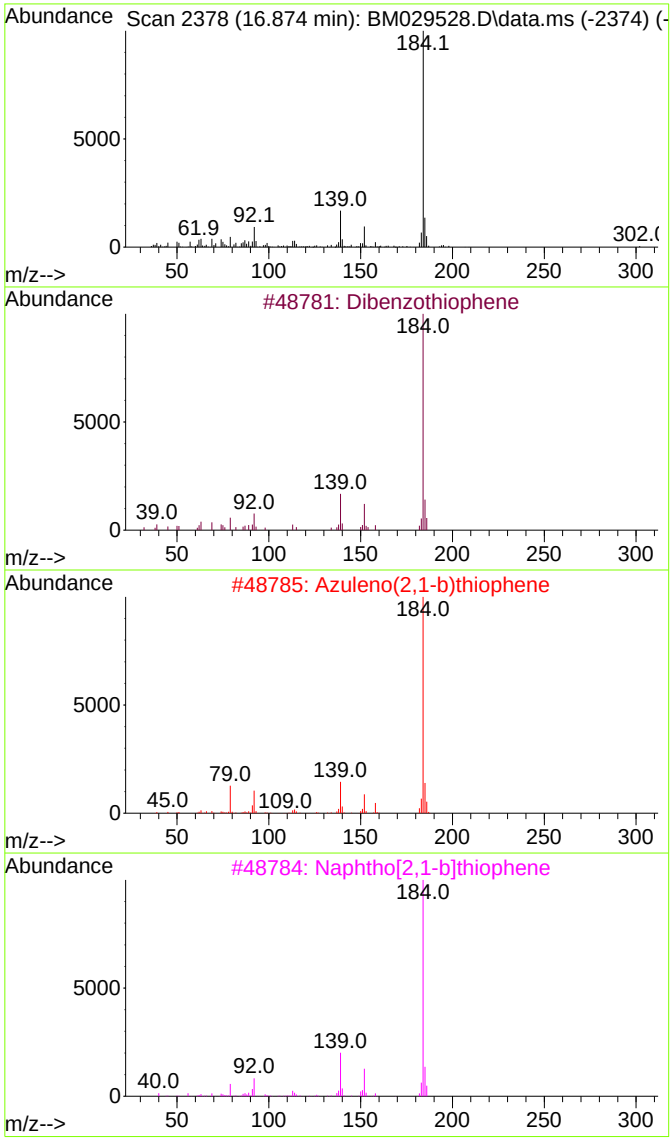
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

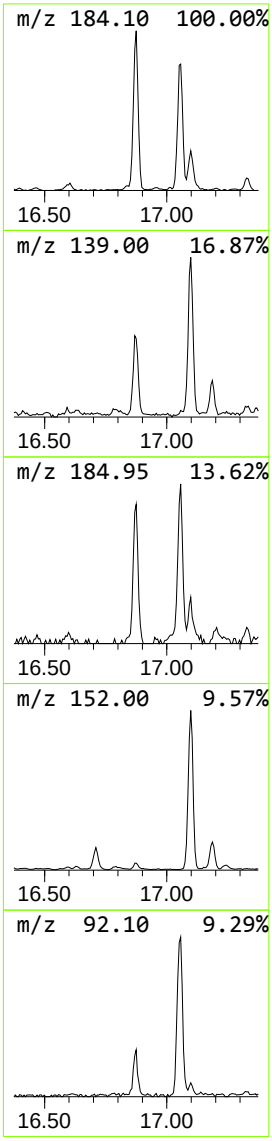
****

Peak Number 5 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.874	3.14 ng	167326	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93





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Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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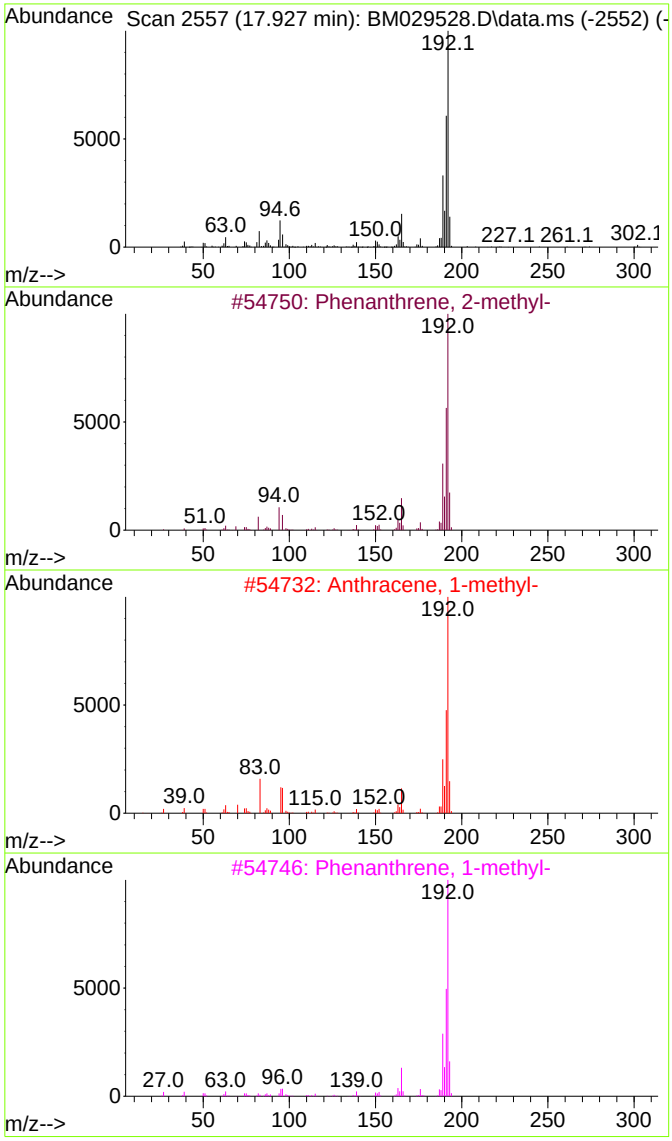
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

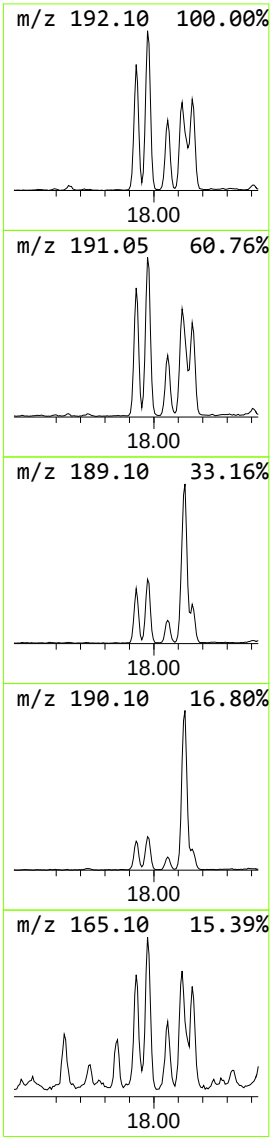
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.927	8.88 ng	473519	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-4

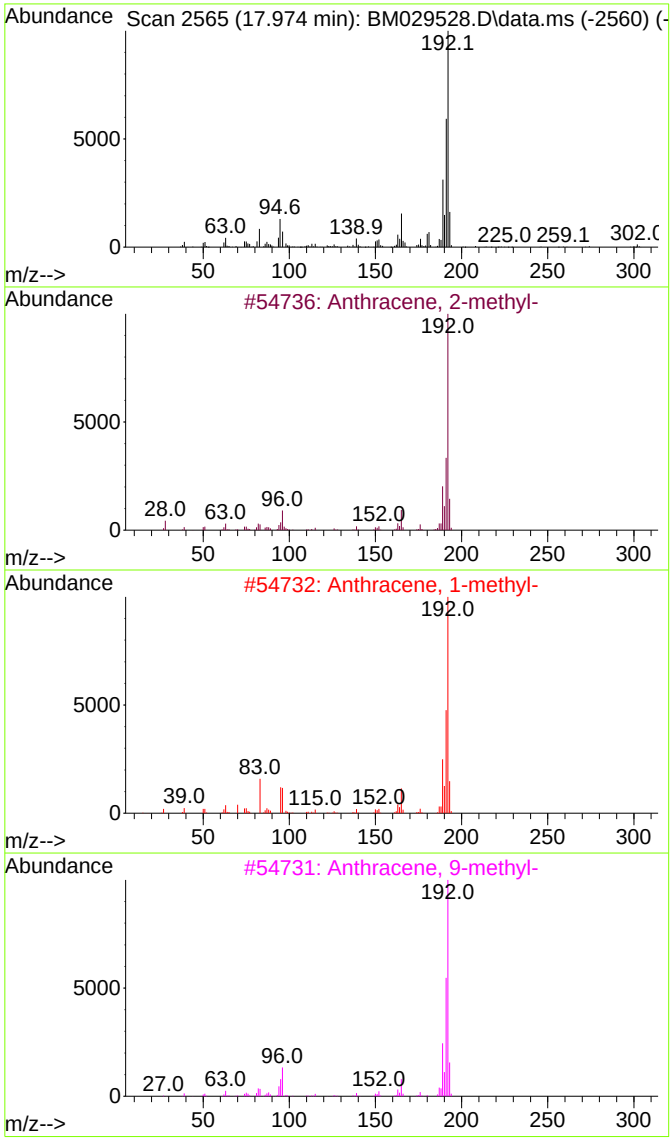
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

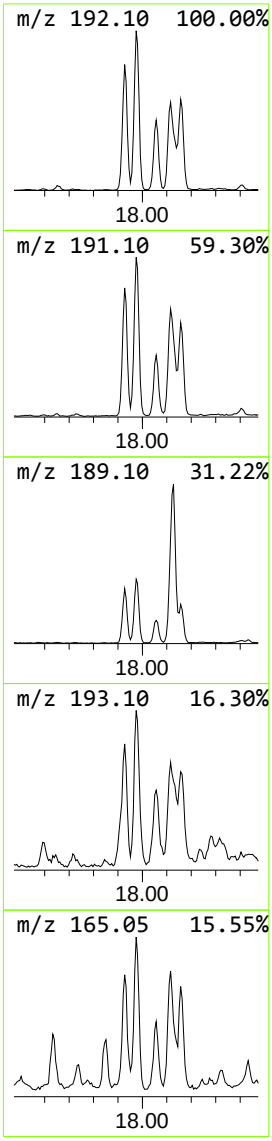
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.974	16.92 ng	902194	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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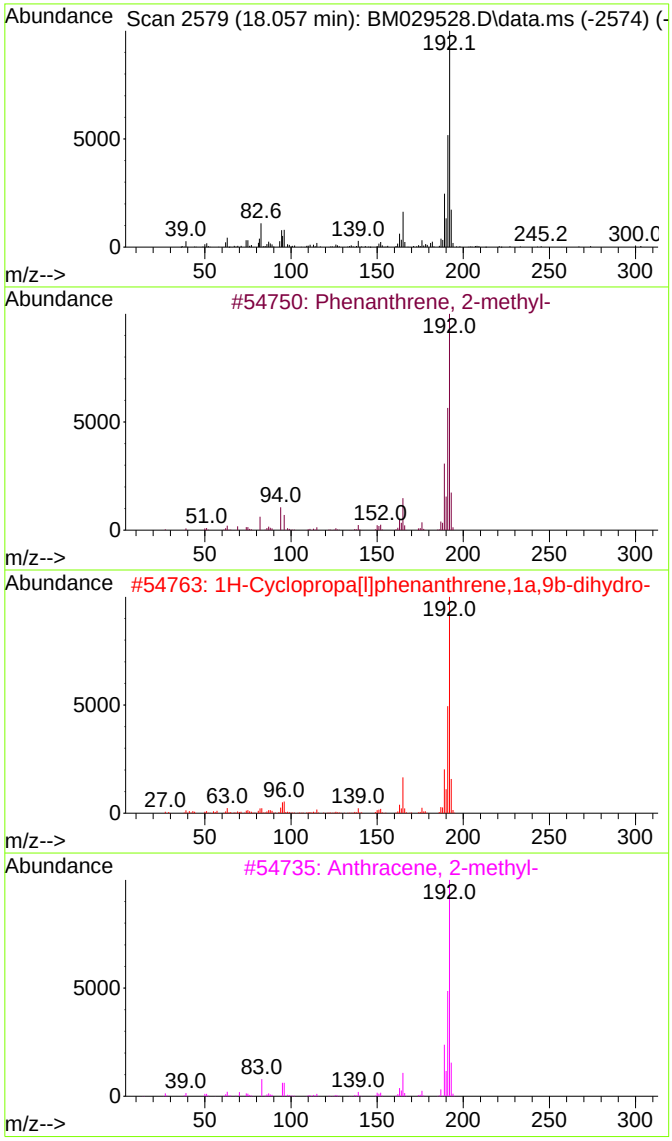
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

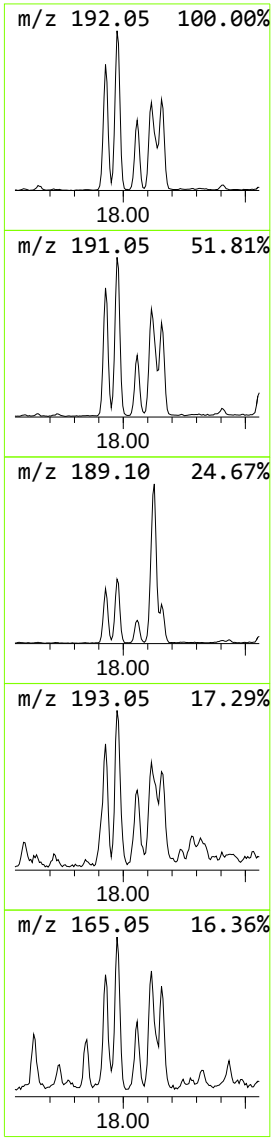
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	5.12 ng	273055	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-4

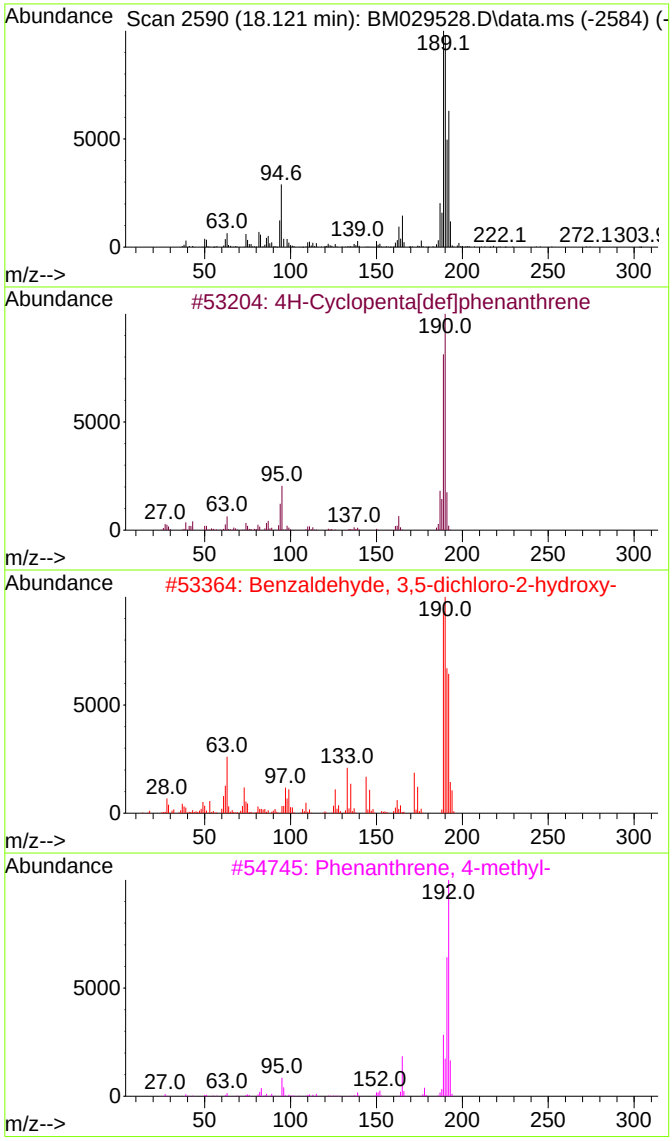
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

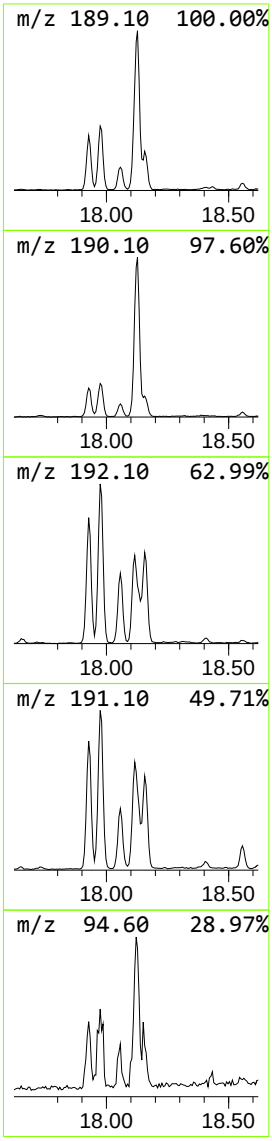
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	15.62 ng	832978	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	18
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	18





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Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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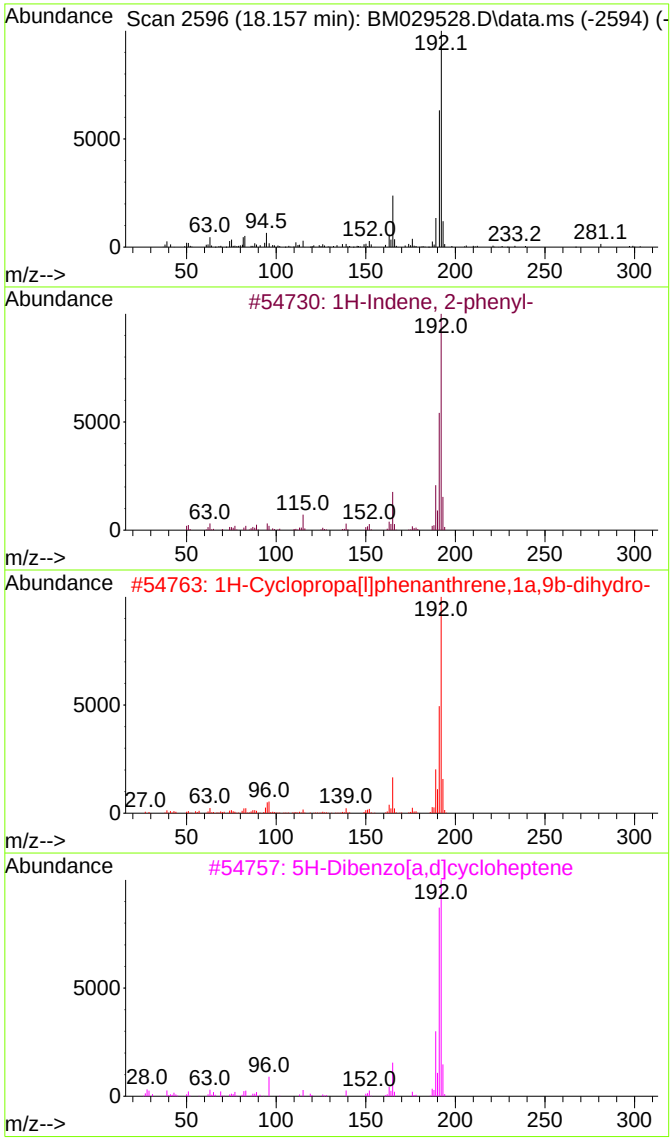
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

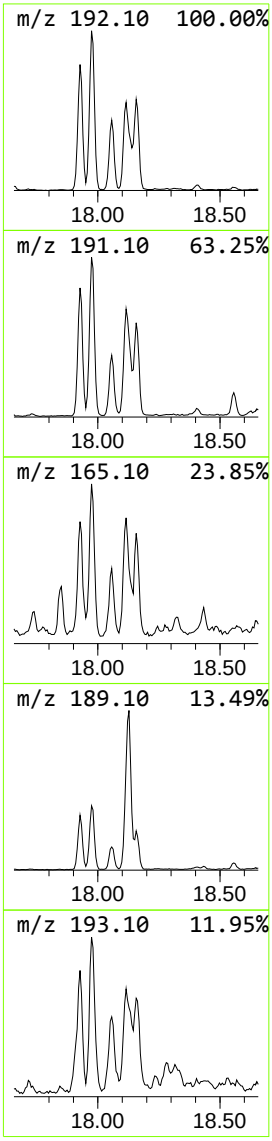
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	5.47 ng	291820	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	80





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Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

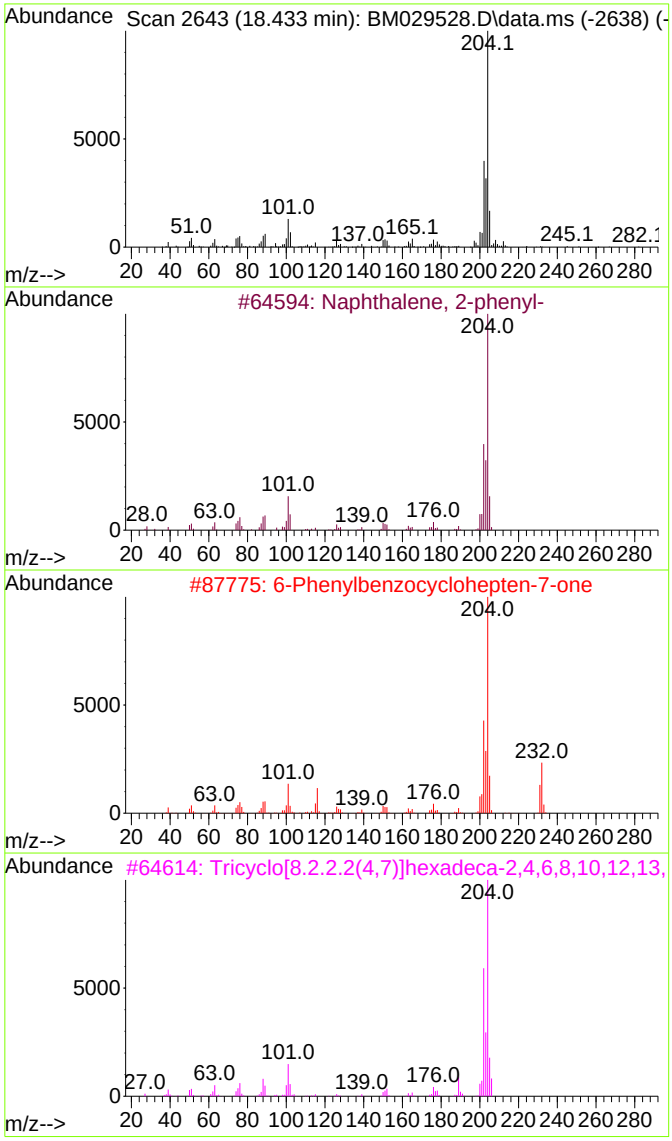
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

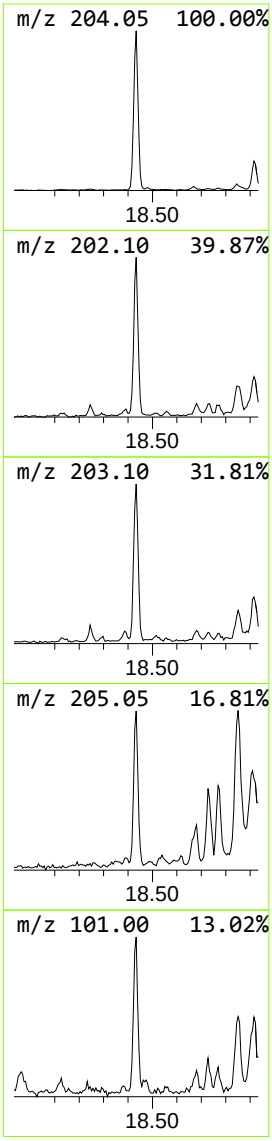
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.433	5.66 ng	301860	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

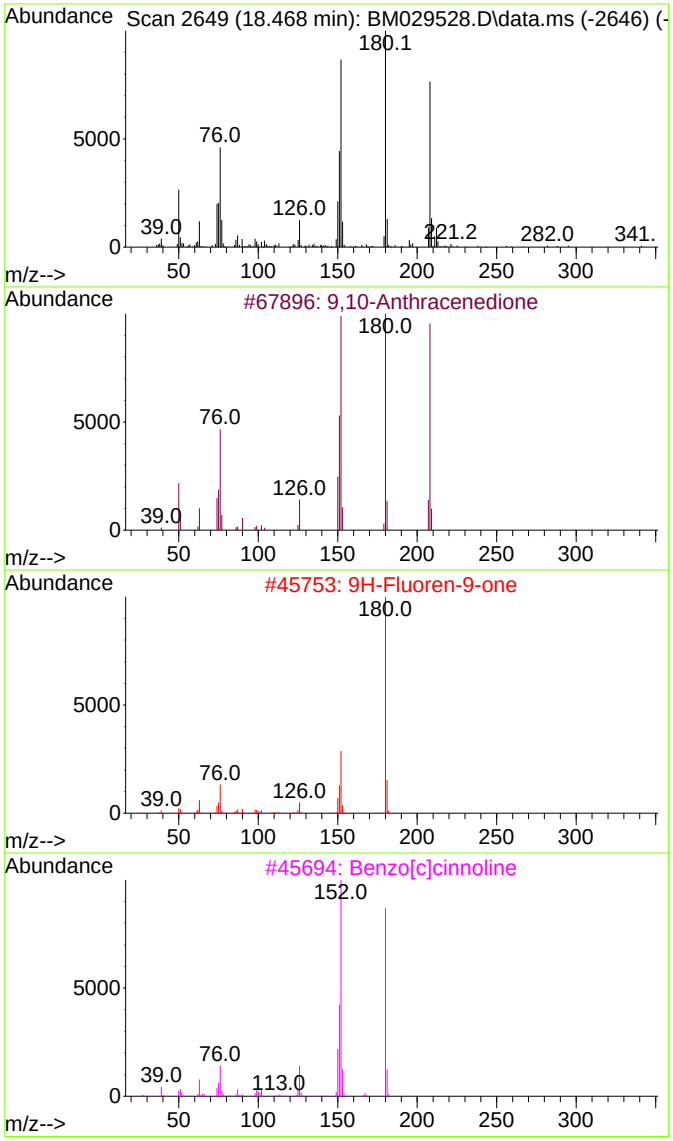
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

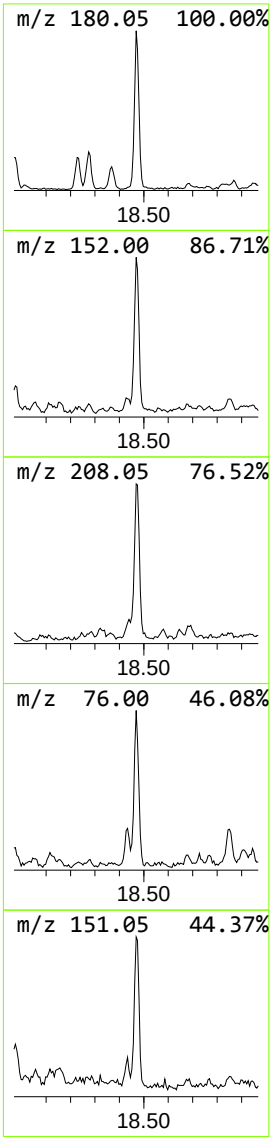
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	4.98 ng	265718	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

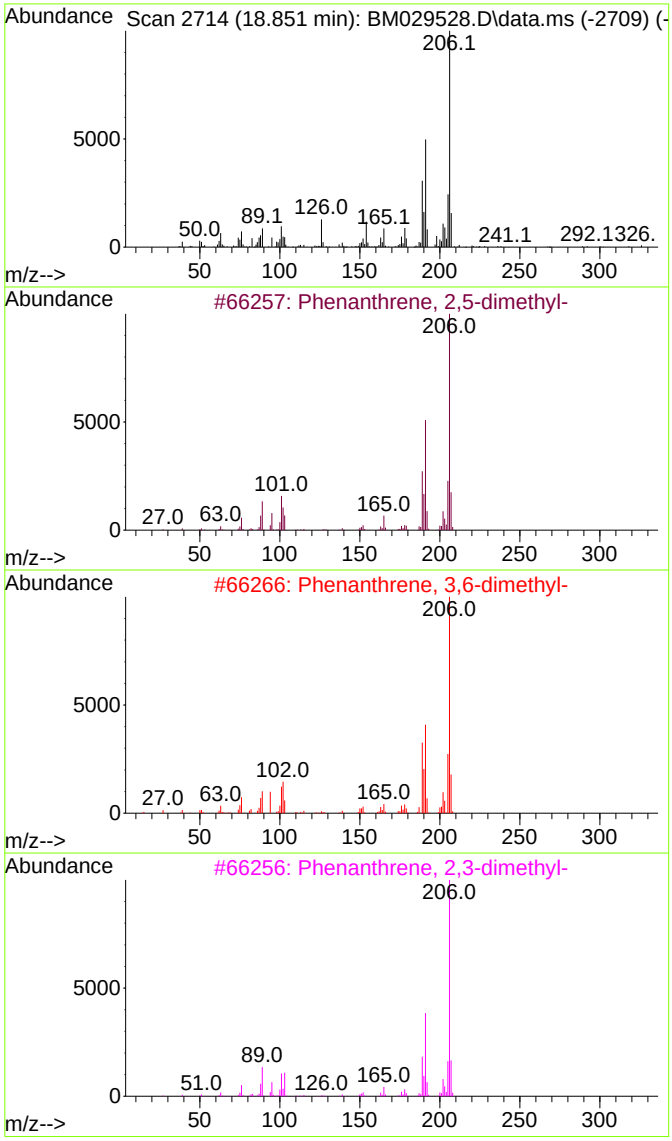
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

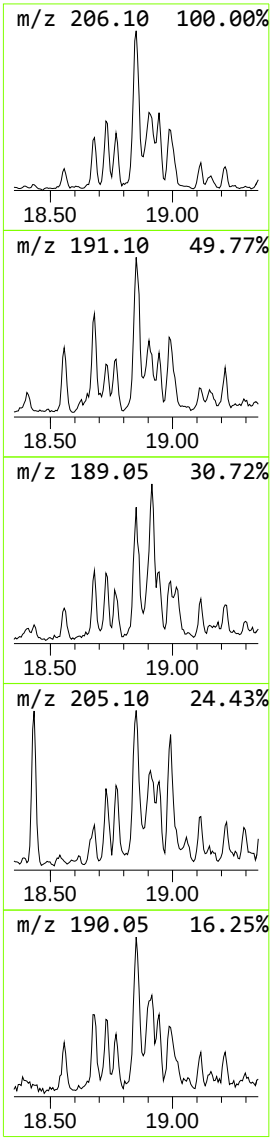
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.851	6.15 ng	327799	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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

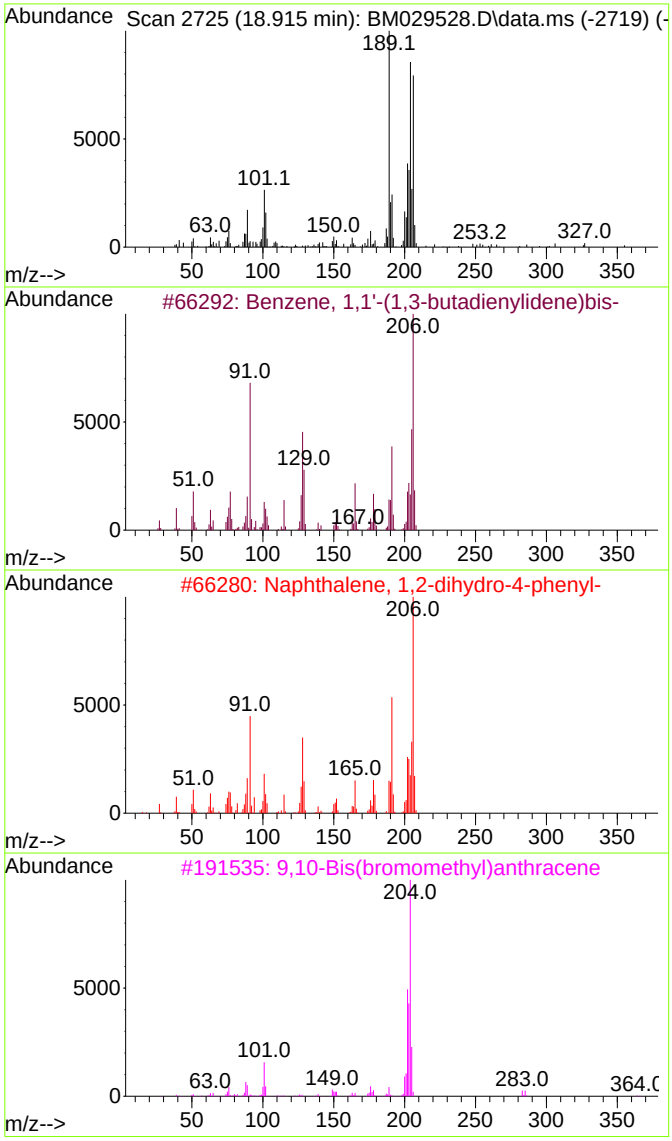
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

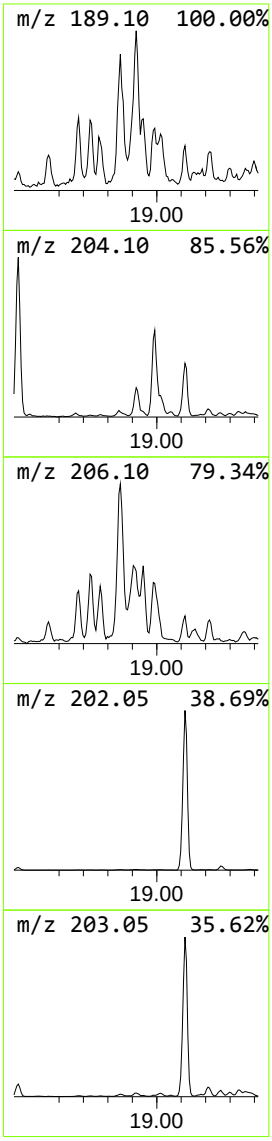
****

Peak Number 14 unknown18.916 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.916	4.47 ng	238067	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





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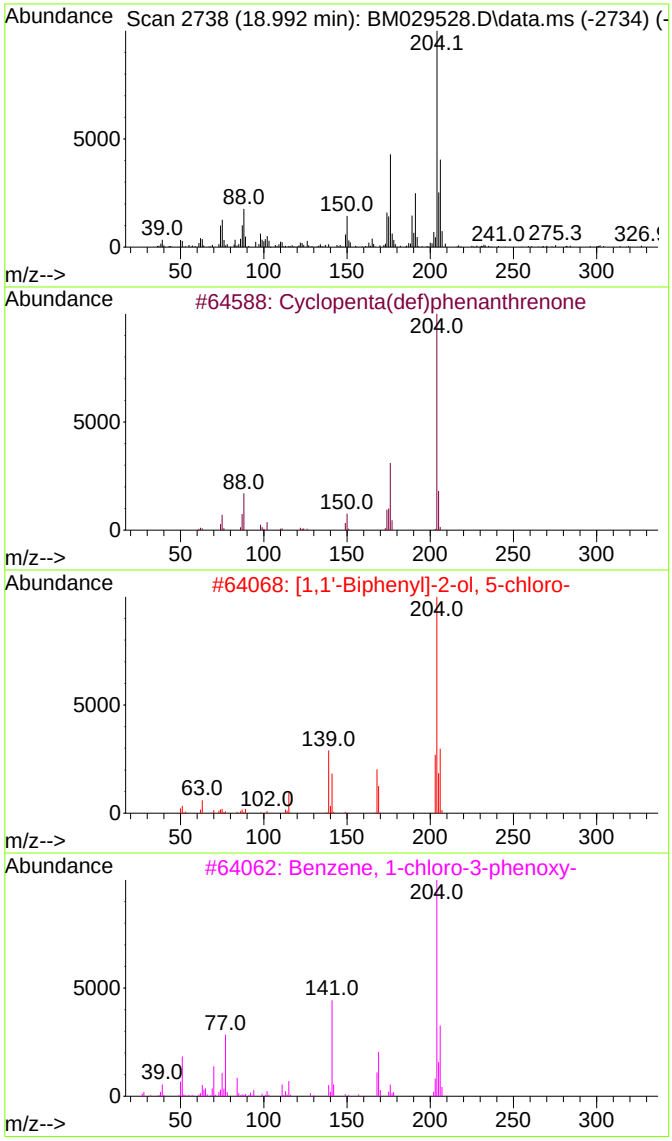
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

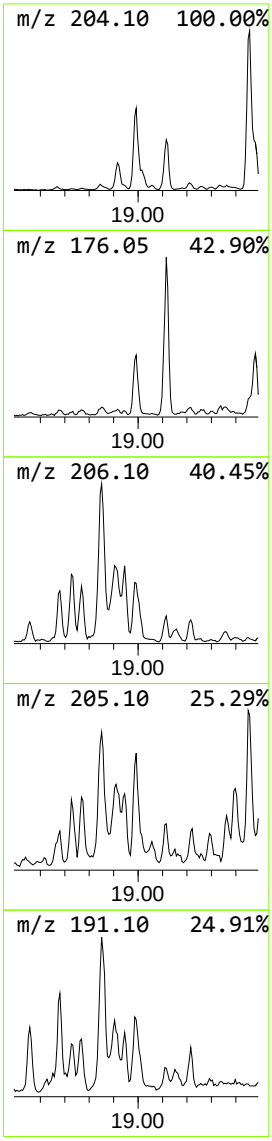
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.992	5.71 ng	304595	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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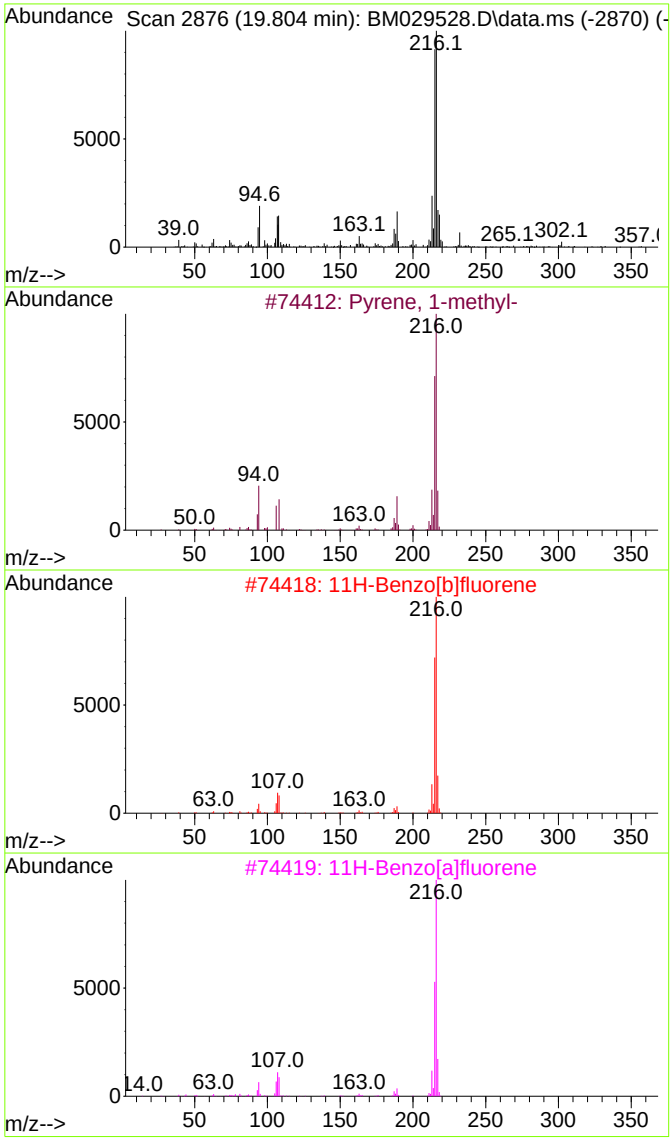
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

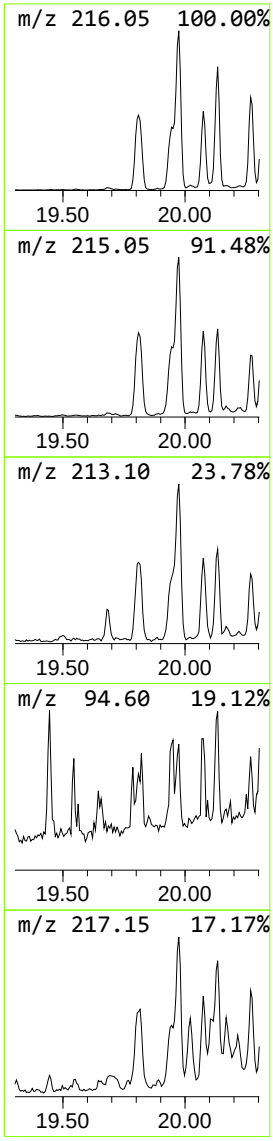
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.804	2.55 ng	545367	Chrysene-d12	21.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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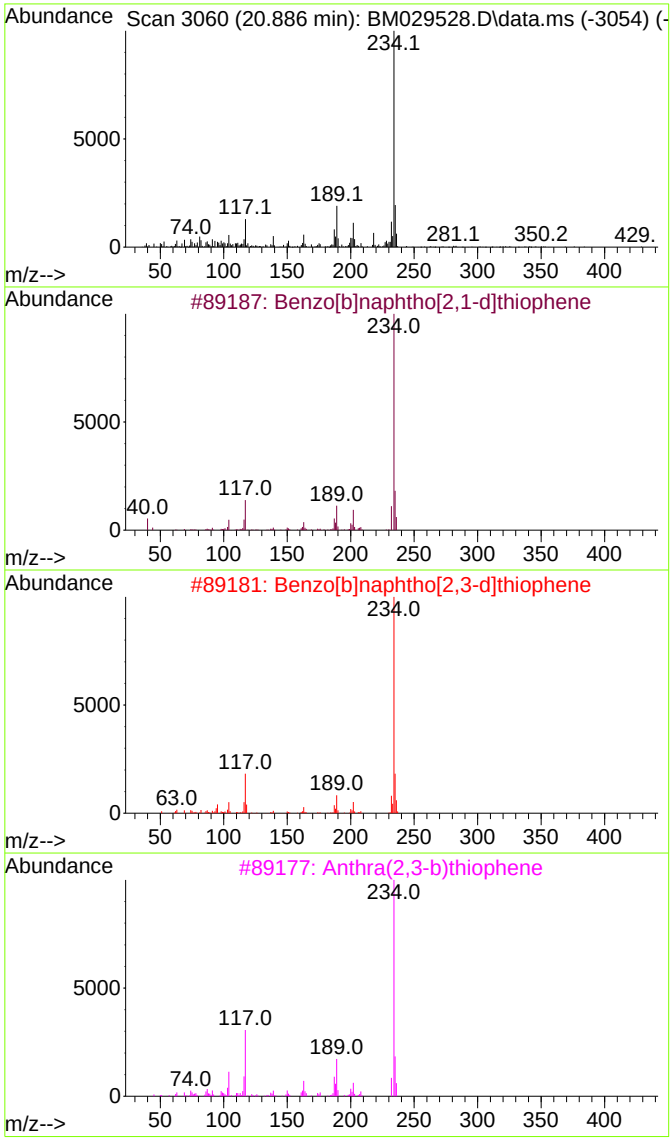
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

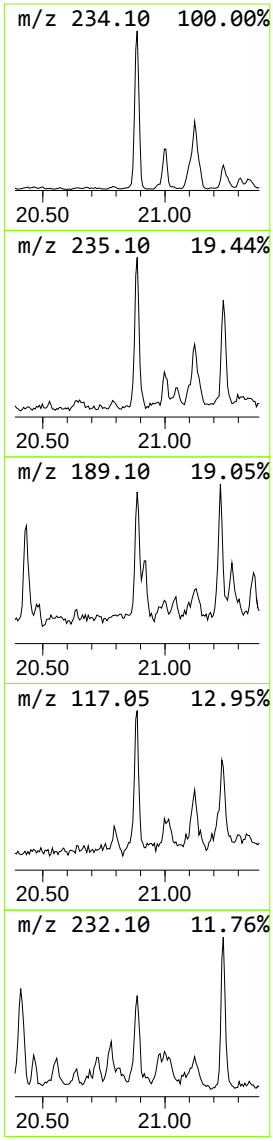
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.886	2.54 ng	543447	Chrysene-d12	21.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91





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Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.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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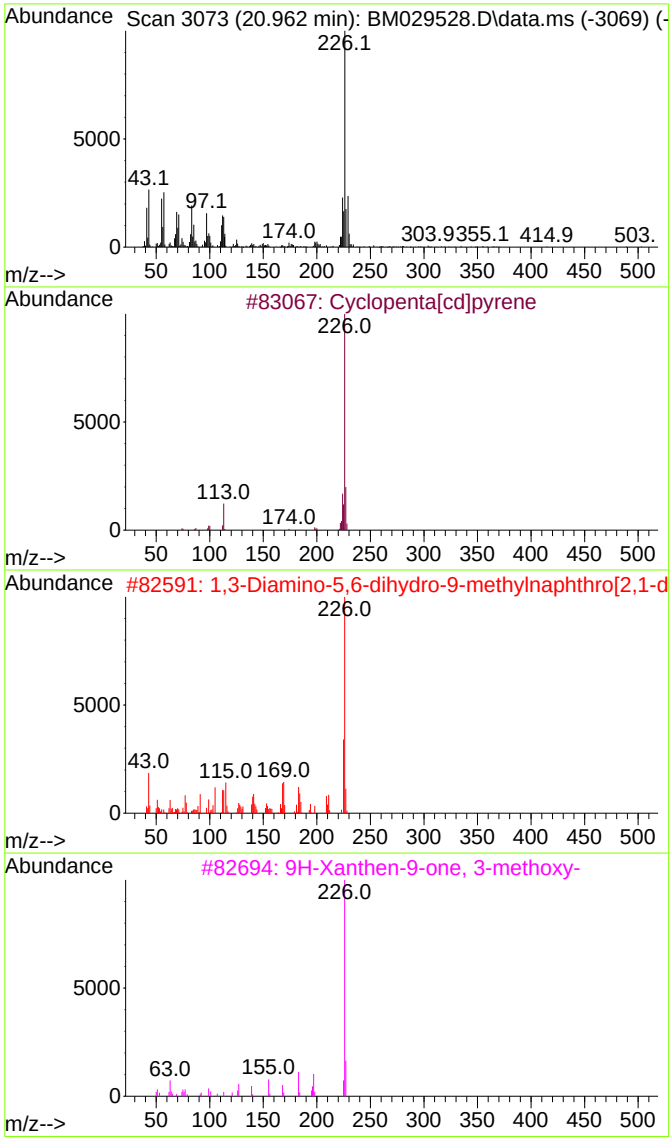
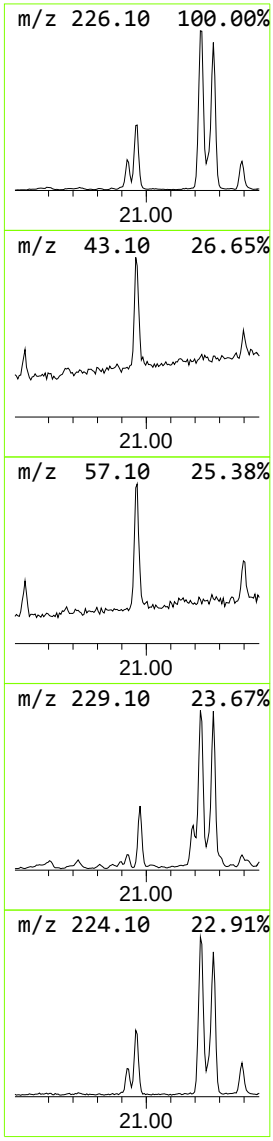
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.962	3.43 ng	733723	Chrysene-d12	21.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	46
4	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	42
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.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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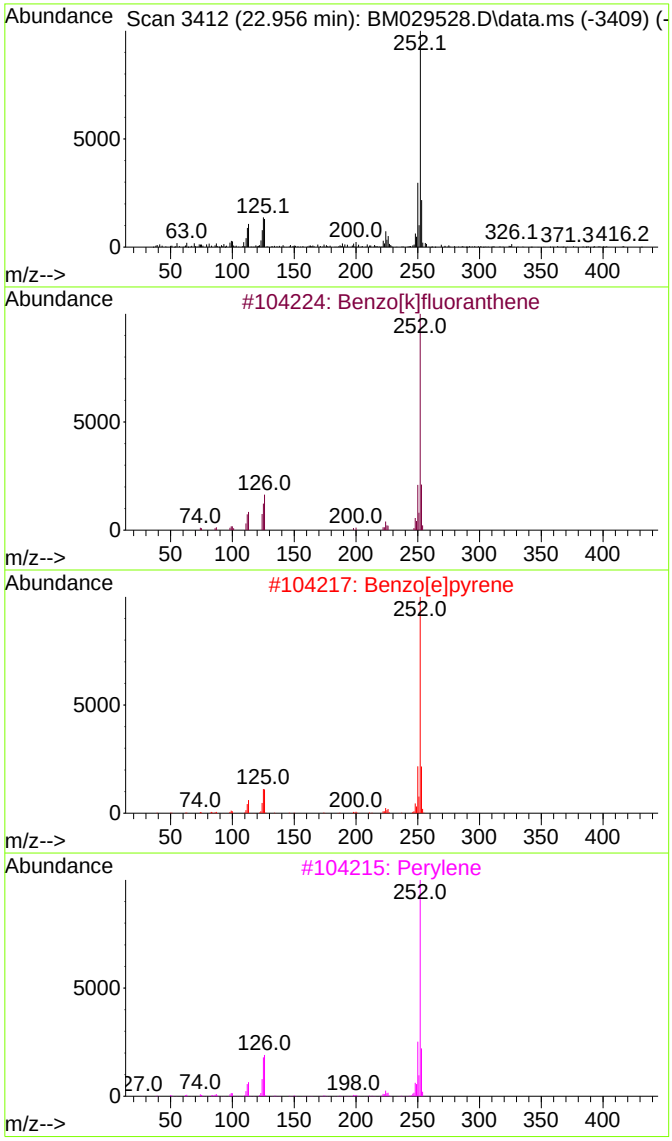
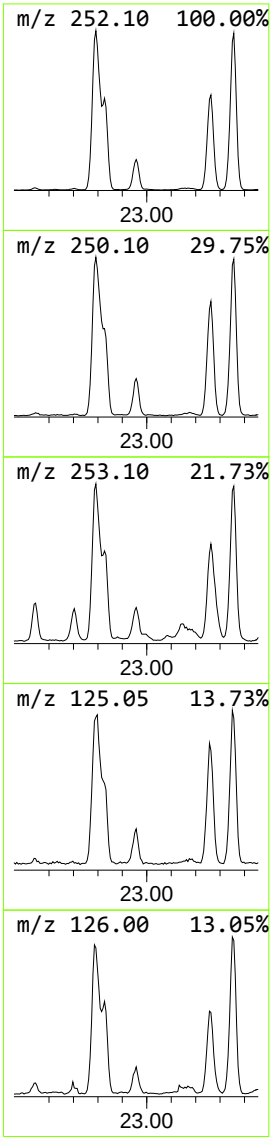
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.956	8.26 ng	405744	Perylene-d12	23.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.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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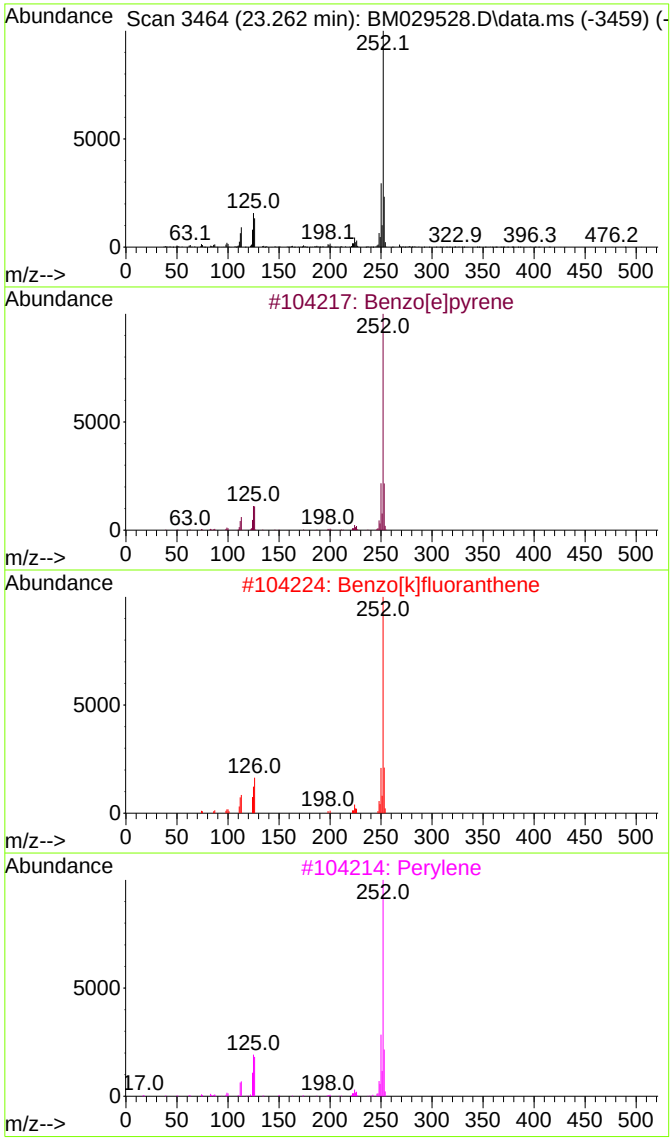
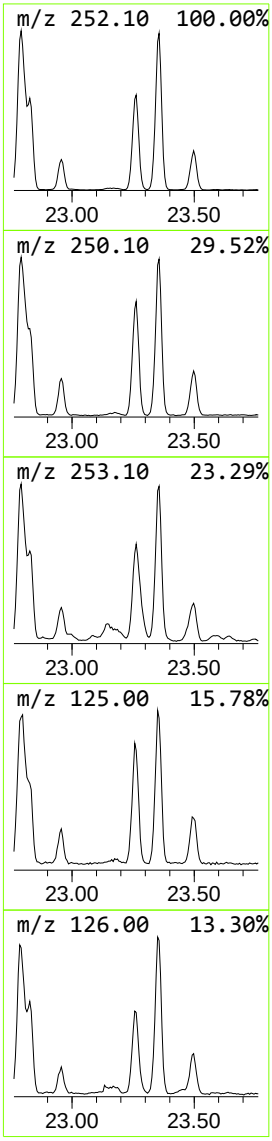
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.262	34.56 ng	1697570	Perylene-d12	23.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029528.D
Acq On : 16 Apr 2021 18:58
Operator : CG/JU
Sample : M2050-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.922	14.1	ng	458110	1	7.675	650236	20.0
2,4,6-Cyclohept...	15.657	2.5	ng	126349	3	14.310	995502	20.0
9H-Fluorene, 2-...	16.363	2.5	ng	131655	4	17.057	1066340	20.0
9H-Fluoren-9-one	16.710	3.5	ng	185879	4	17.057	1066340	20.0
Dibenzothiophene	16.874	3.1	ng	167326	4	17.057	1066340	20.0
Phenanthrene, 2...	17.927	8.9	ng	473519	4	17.057	1066340	20.0
Anthracene, 2-m...	17.974	16.9	ng	902194	4	17.057	1066340	20.0
1H-Cyclopropa[l...	18.057	5.1	ng	273055	4	17.057	1066340	20.0
4H-Cyclopenta[d...	18.121	15.6	ng	832978	4	17.057	1066340	20.0
1H-Indene, 2-ph...	18.157	5.5	ng	291820	4	17.057	1066340	20.0
Naphthalene, 2-...	18.433	5.7	ng	301860	4	17.057	1066340	20.0
9,10-Anthracene...	18.468	5.0	ng	265718	4	17.057	1066340	20.0
Phenanthrene, 2...	18.851	6.2	ng	327799	4	17.057	1066340	20.0
unknown18.916	18.916	4.5	ng	238067	4	17.057	1066340	20.0
Cyclopenta(def)...	18.992	5.7	ng	304595	4	17.057	1066340	20.0
Pyrene, 1-methyl-	19.804	2.5	ng	545367	5	21.239	4275550	20.0
Benzo[b]naphtho...	20.886	2.5	ng	543447	5	21.239	4275550	20.0
Cyclopenta[cd]p...	20.962	3.4	ng	733723	5	21.239	4275550	20.0
Benzo[e]pyrene	22.956	8.3	ng	405744	6	23.451	982286	20.0
Perylene	23.262	34.6	ng	1697570	6	23.451	982286	20.0