LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

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_P\Methods\8270E-BP030522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009352.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.070	9	14	25	rVB	774197	1190019	3.86%	0.299%
2	3.658	109	114	120	rVB	362574	510826	1.66%	0.128%
3	5.417	406	413	422	rBV	7125660	11365325	36.83%	2.857%
4	6.993	673	681	696	rBV	6697061	11915801	38.61%	2.995%
5	7.816	814	821	830	rBV	1686777	2867662	9.29%	0.721%
6	8.969	999	1017	1028	rBV	4465473	8007998	25.95%	2.013%
7	10.610	1288	1296	1302	rBV	2373264	4246685	13.76%	1.068%
8	13.081	1708	1716	1729	rBV	11574474	18583766	60.22%	4.672%
9	14.175	1896	1902	1909	rBV	313892	509976	1.65%	0.128%
10	14.457	1941	1950	1955	rBV	3478691	5473336	17.73%	1.376%
11	14.516	1955	1960	1968	rVB	1102300	1787858	5.79%	0.449%
12	14.857	2012	2018	2027	rVB	410109	708323	2.30%	0.178%
13	15.504	2122	2128	2140	rVB	883679	1389631	4.50%	0.349%
14	15.804	2174	2179	2189	rVB	286210	533639	1.73%	0.134%
15	15.951	2190	2204	2213	rBV	9131580	14663322	47.51%	3.686%
16	16.187	2239	2244	2258	rVB5	223226	523980	1.70%	0.132%
17	16.516	2298	2300	2305	rVV2	215908	349338	1.13%	0.088%
18	16.863	2354	2359	2367	rVB	519864	939108	3.04%	0.236%
19	16.951	2369	2374	2375	rBV2	254797	351036	1.14%	0.088%
20	17.034	2383	2388	2398	rVB	577892	1047407	3.39%	0.263%
21	17.216	2412	2419	2422	rVV	3843017	6060278	19.64%	1.523%
22	17.263	2422	2427	2433	rVV	10509714	16400803	53.14%	4.123%
23	17.351	2433	2442	2448	rVV	2789237	4807646	15.58%	1.209%
24	17.410	2448	2452	2458	rVB2	344826	557991	1.81%	0.140%
25	17.622	2479	2488	2492	rBV2	1026081	1929823	6.25%	0.485%
26	17.739	2504	2508	2513	rBV2	344541	439560	1.42%	0.110%
27	17.798	2515	2518	2526	rVB3	277769	386177	1.25%	0.097%
28	18.010	2550	2554	2558	rBV2	268918	353721	1.15%	0.089%
29	18.087	2559	2567	2570	rVV	1328670	2442633	7.91%	0.614%
30	18.128	2570	2574	2582	rVV2	4024428	6625979	21.47%	1.666%
31	18.216	2584	2589	2594	rVV	869718	1409105	4.57%	0.354%
32	18.281	2594	2600	2604	rVV2	2556128	4839022	15.68%	1.216%
33	18.310	2604	2605	2612	rVB	966249	1082812	3.51%	0.272%
34	18.416	2620	2623	2629	rVB3	348479	536843	1.74%	0.135%
35	18.575	2646	2650	2653	rBV	1029559	1384196	4.49%	0.348%
36	18.610	2653	2656	2662	rVB	1016446	1292432	4.19%	0.325%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

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_P\Methods\8270E-BP030522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.816	2687	2691	2695	rVV2	408385	519451	1.68%	0.131%
38	18.863	2696	2699	2702	rVV	301626	363595	1.18%	0.091%
39	18.898	2702	2705	2709	rVB	343247	444219	1.44%	0.112%
40	18.981	2714	2719	2724	rBV	877110	1516453	4.91%	0.381%
41	19.045	2724	2730	2733	rBV4	404580	779856	2.53%	0.196%
42	19.116	2738	2742	2750	rVB	995023	1612123	5.22%	0.405%
43	19.239	2757	2763	2771	rBV	20053426	29243914	94.76%	7.351%
44	19.334	2776	2779	2781	rVV	432937	559559	1.81%	0.141%
45	19.363	2781	2784	2790	rVB3	968782	1432554	4.64%	0.360%
46	19.475	2799	2803	2806	rVB	539063	679927	2.20%	0.171%
47	19.592	2813	2823	2831	rBV	16973197	30862178	100.00%	7.758%
48	19.663	2831	2835	2841	rVB2	754874	1315096	4.26%	0.331%
49	19.792	2848	2857	2861	rBV	15372762	21444251	69.48%	5.391%
50	19.828	2861	2863	2868	rVB	1021778	1189170	3.85%	0.299%
51	19.910	2871	2877	2883	rBV3	1139694	2873772	9.31%	0.722%
52	20.045	2895	2900	2901	rBV3	765992	1138707	3.69%	0.286%
53	20.075	2902	2905	2910	rVB	2303315	3037658	9.84%	0.764%
54	20.175	2918	2922	2926	rBV2	1436667	1970002	6.38%	0.495%
55	20.228	2926	2931	2935	rVV2	1579219	2692326	8.72%	0.677%
56	20.269	2935	2938	2942	rVB	641709	793583	2.57%	0.199%
57	20.310	2942	2945	2950	rVB3	346217	530498	1.72%	0.133%
58	20.369	2951	2955	2958	rBV	869328	1166028	3.78%	0.293%
59	20.416	2959	2963	2967	rVV	912657	1312485	4.25%	0.330%
60	20.810	3026	3030	3036	rVB	1463544	2082540	6.75%	0.524%
61	20.975	3052	3058	3061	rBV3	1586765	2896998	9.39%	0.728%
62	21.016	3061	3065	3067	rVV	1693224	2314070	7.50%	0.582%
63	21.051	3067	3071	3076	rVV2	3582703	6161111	19.96%	1.549%
64	21.104	3076	3080	3087	rVB2	1732512	2865215	9.28%	0.720%
65	21.245	3102	3104	3107	rVB	805143	728798	2.36%	0.183%
66	21.316	3110	3116	3121	rVV3	11300523	21958153	71.15%	5.520%
67	21.363	3121	3124	3134	rVB	8394569	12278543	39.79%	3.087%
68	21.486	3141	3145	3151	rBV	1942277	2908962	9.43%	0.731%
69	21.645	3168	3172	3179	rBV2	1301326	2413456	7.82%	0.607%
70	21.857	3204	3208	3212	rBV	2111510	3003170	9.73%	0.755%
71	21.957	3222	3225	3231	rBV2	1428463	2363538	7.66%	0.594%
72	22.016	3231	3235	3241	rVB4	2883943	4532130	14.69%	1.139%
73	22.116	3248	3252	3255	rBV2	1080466	1747631	5.66%	0.439%
74	22.186	3261	3264	3267	rBV2	759329	937944	3.04%	0.236%
75	22.327	3283	3288	3296	rBV	2779242	4817650	15.61%	1.211%
76	22.710	3350	3353	3370	rVB2	1008011	2528967	8.19%	0.636%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

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_P\Methods\8270E-BP030522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.010	3396	3404	3409	rBV	7235901	19851894	64.32%	4.990%
78	23.192	3431	3435	3446	rVB	1522029	2754328	8.92%	0.692%
79	23.527	3486	3492	3501	rVB	4282389	9659283	31.30%	2.428%
80	23.633	3503	3510	3518	rVV	6345451	13744609	44.54%	3.455%
81	23.739	3522	3528	3532	rVV2	2491777	5637999	18.27%	1.417%
82	23.786	3533	3536	3547	rVB2	1936776	4118612	13.35%	1.035%
83	26.245	3946	3954	3968	rVB2	3494140	11487104	37.22%	2.888%
84	27.015	4078	4085	4105	rVB	2682108	9021861	29.23%	2.268%

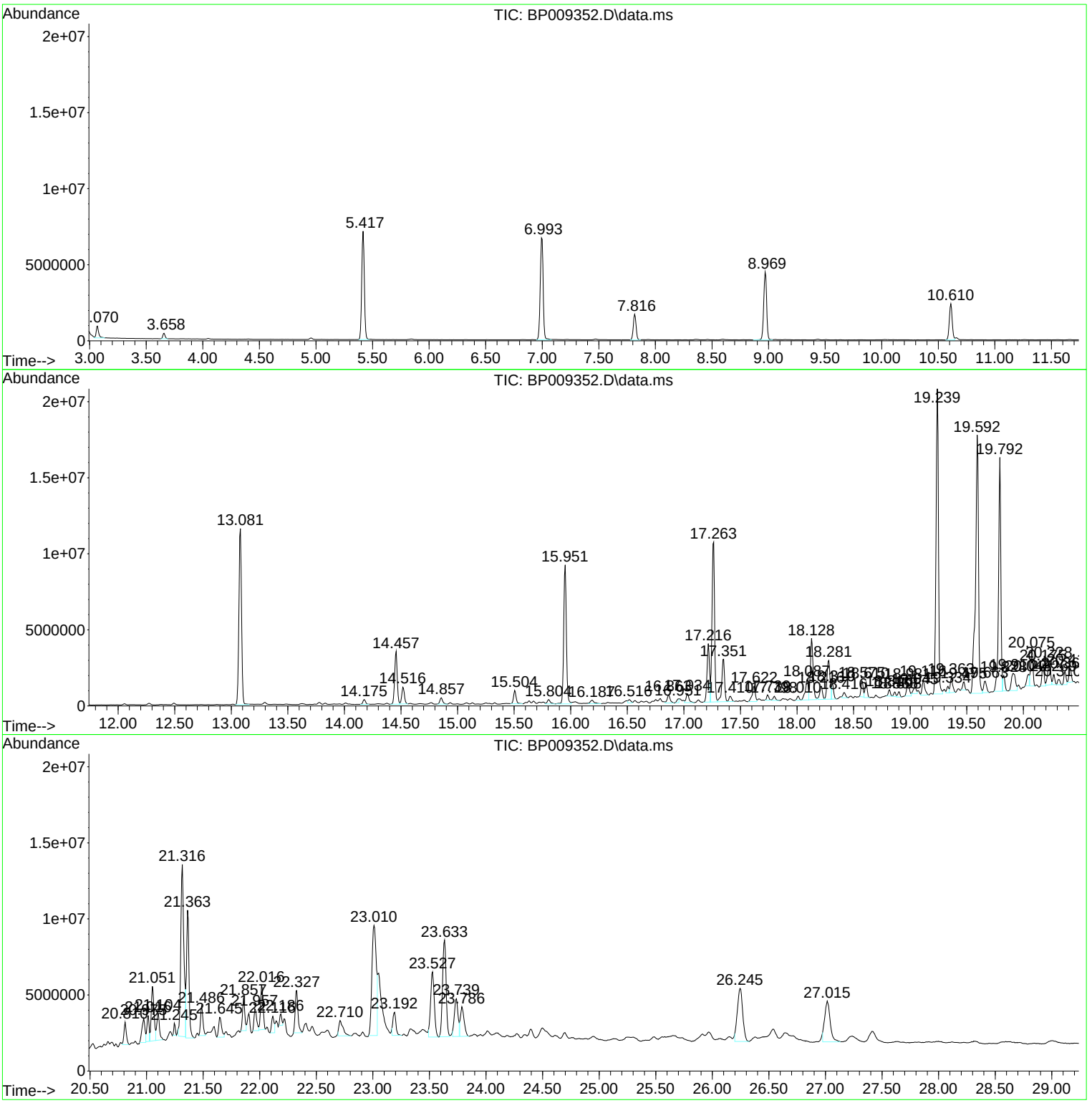
Sum of corrected areas: 397806028

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

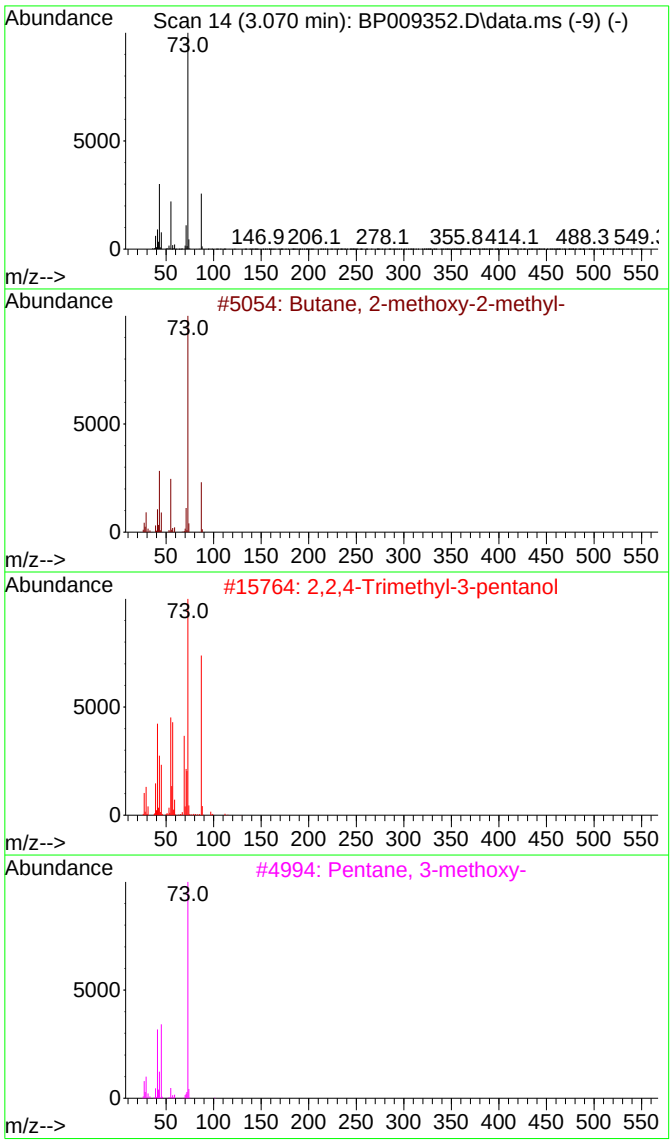
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

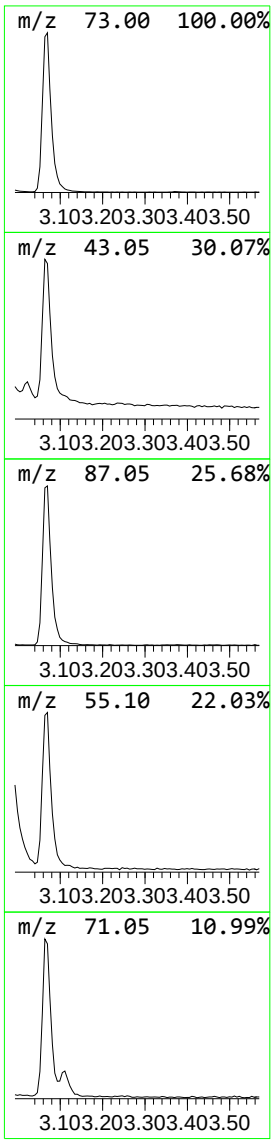
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.070	8.30 ng	1190020	1,4-Dichlorobenzene-d4	7.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

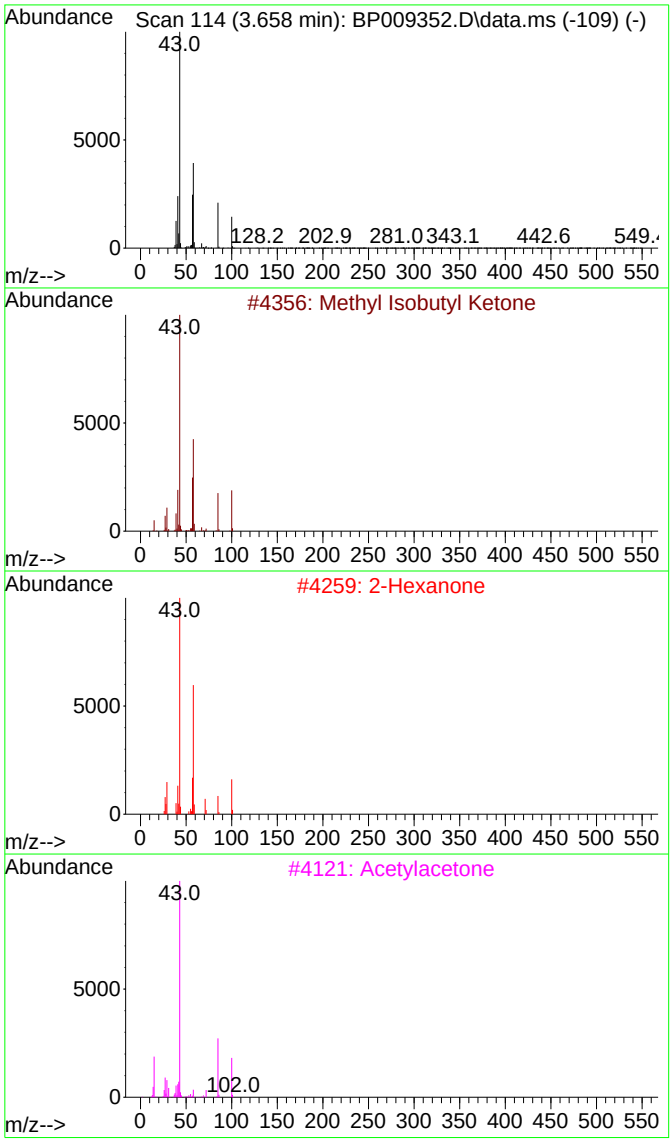
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

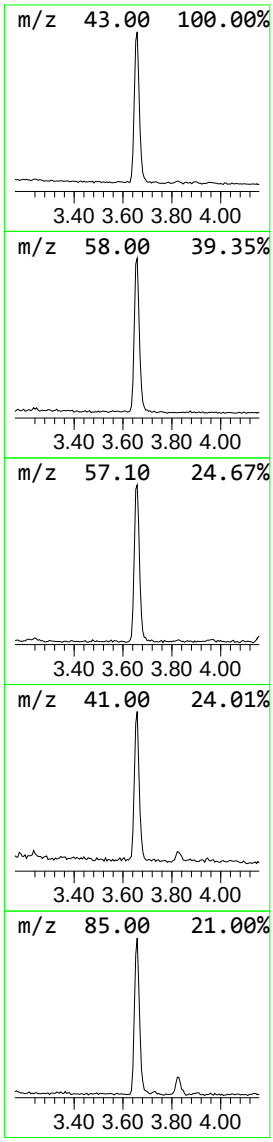
****

Peak Number 2 Methyl Isobutyl Ketone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.658	3.56 ng	510826	1,4-Dichlorobenzene-d4	7.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	80
2	2-Hexanone	100	C6H12O	000591-78-6	72
3	Acetylacetone	100	C5H8O2	000123-54-6	37
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	37
5	3-Penten-2-one, 4-(acetyloxy)-, ...	142	C7H10O3	038365-58-1	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

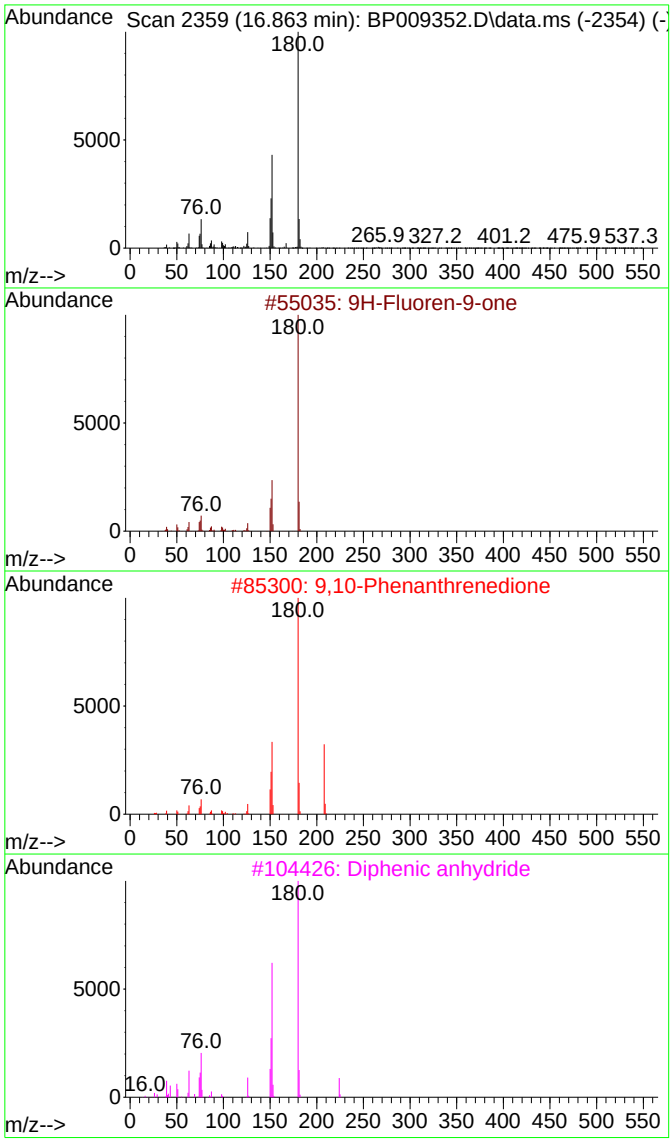
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

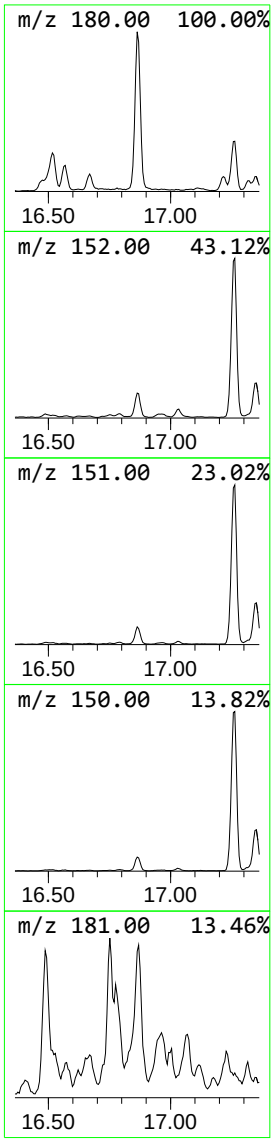
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.863	3.10 ng	939108	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	Diphenic anhydride	224	C14H8O3	006050-13-1	83
4	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	78
5	15,19-Dioxatetracyclo[12.5.0.0(2...	266	C17H14O3	1000436-55-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

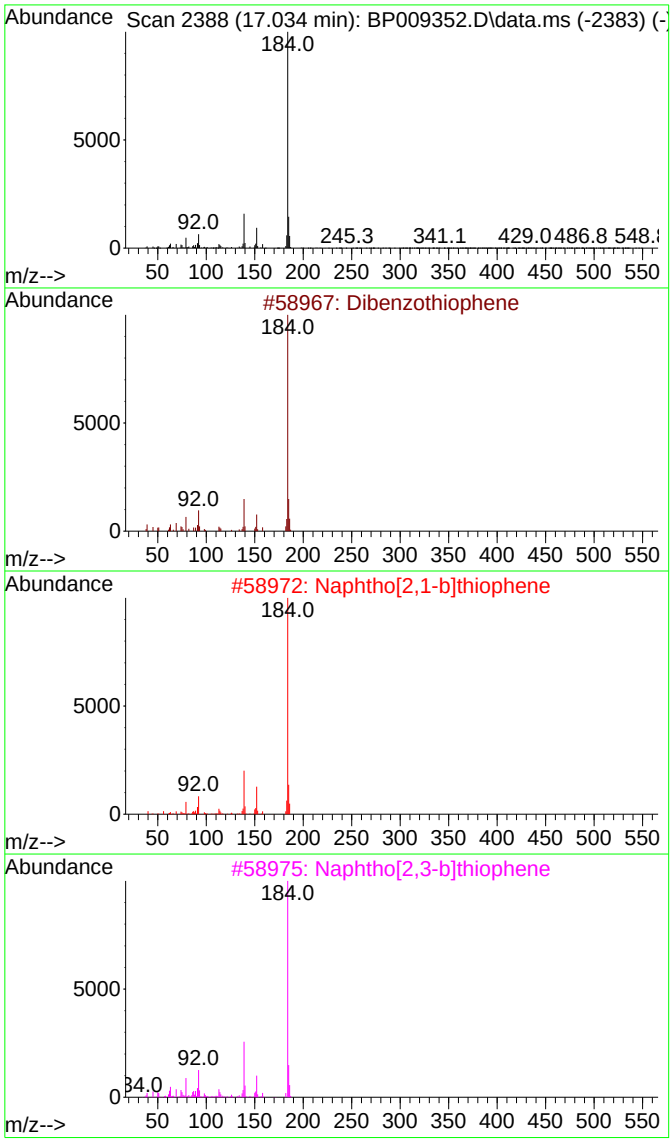
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

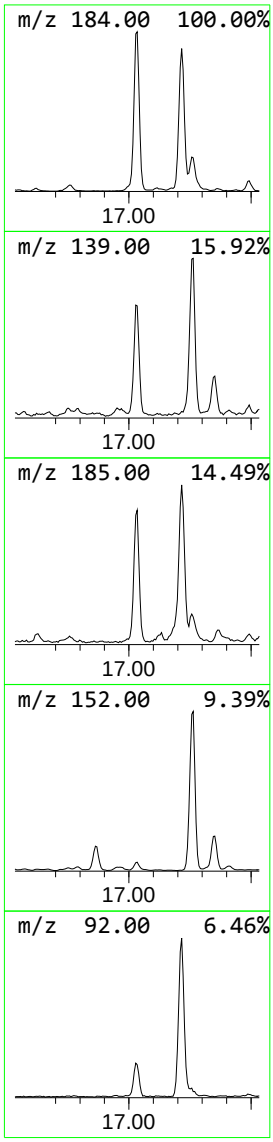
****

Peak Number 4 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.034	3.46 ng	1047410	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

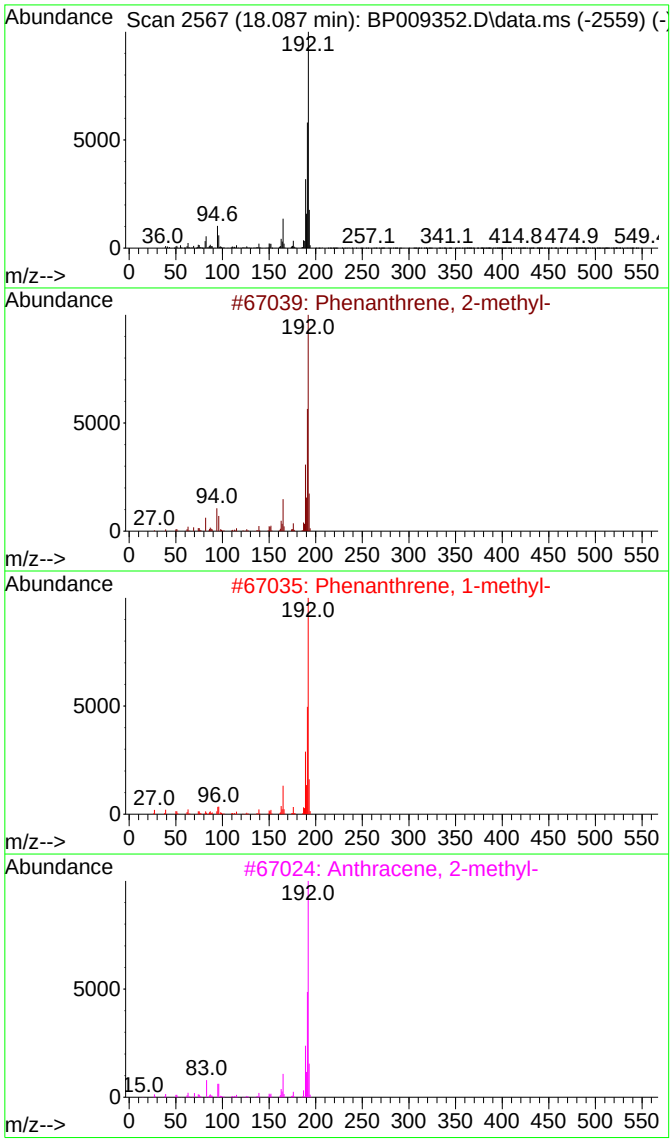
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

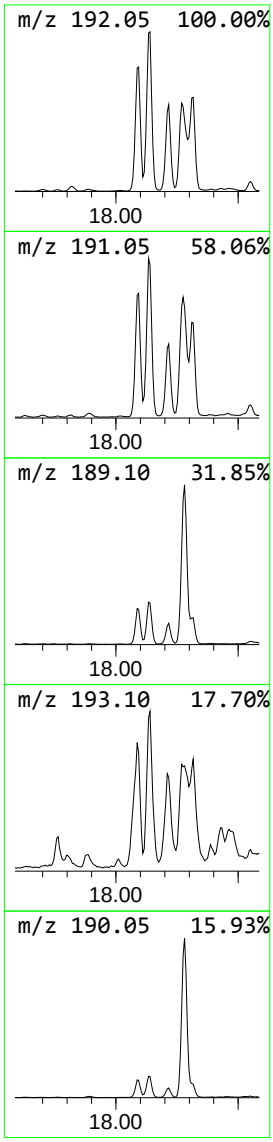
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.087	8.06 ng	2442630	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.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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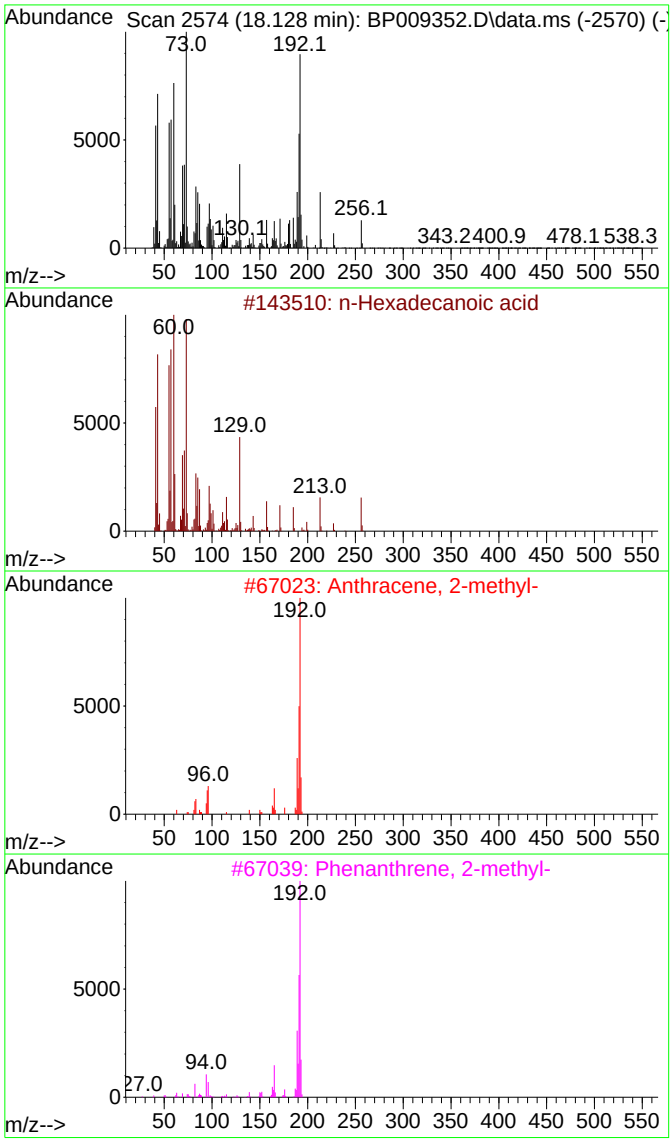
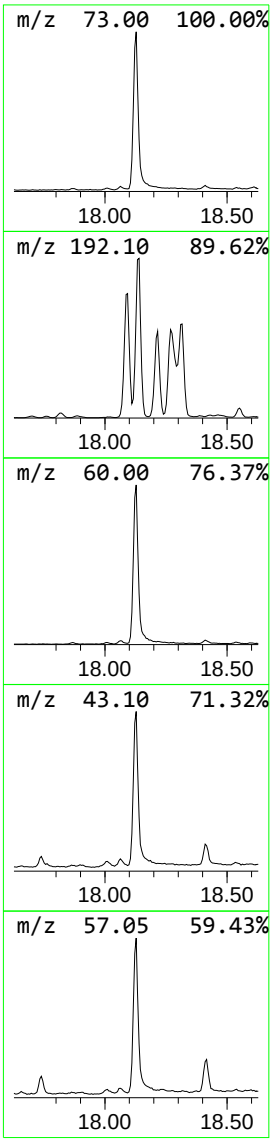
Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.128	21.87 ng	6625980	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	87





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Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CG-B4-030722-0-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

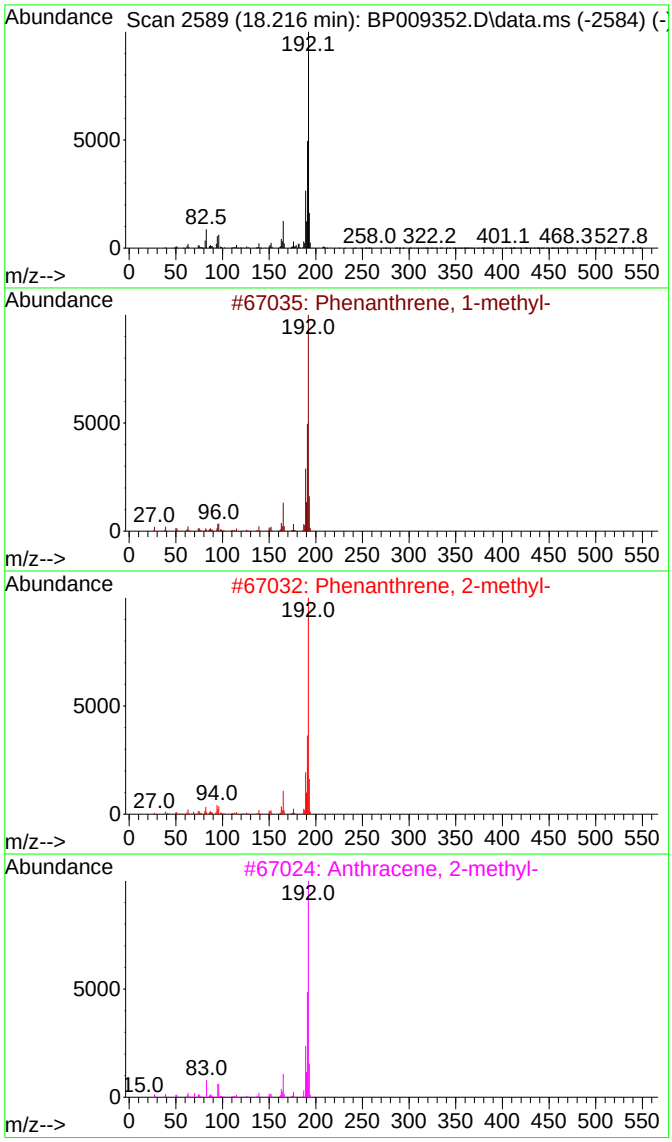
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

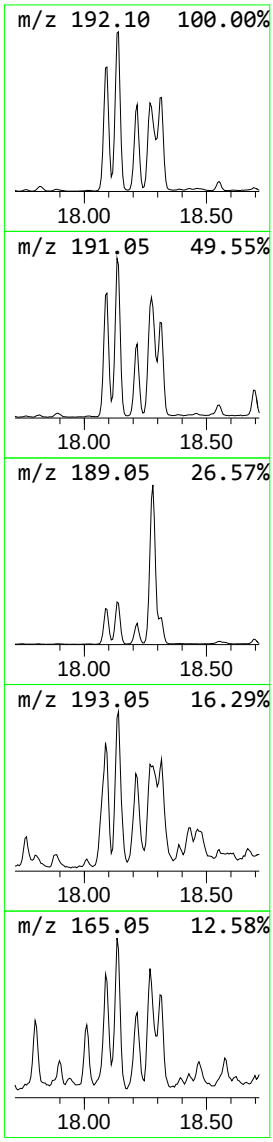
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.216	4.65 ng	1409110	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
CG-B4-030722-0-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

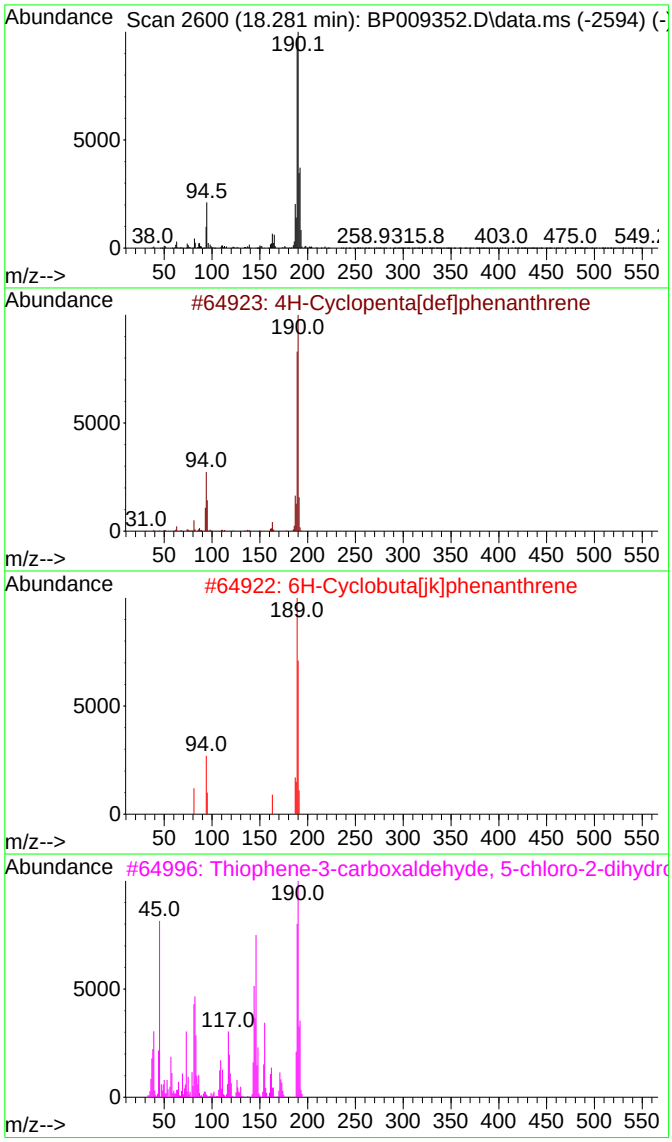
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

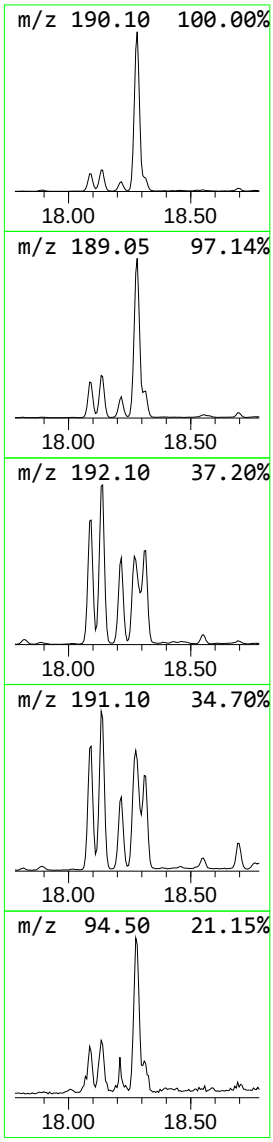
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.281	15.97 ng	4839020	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

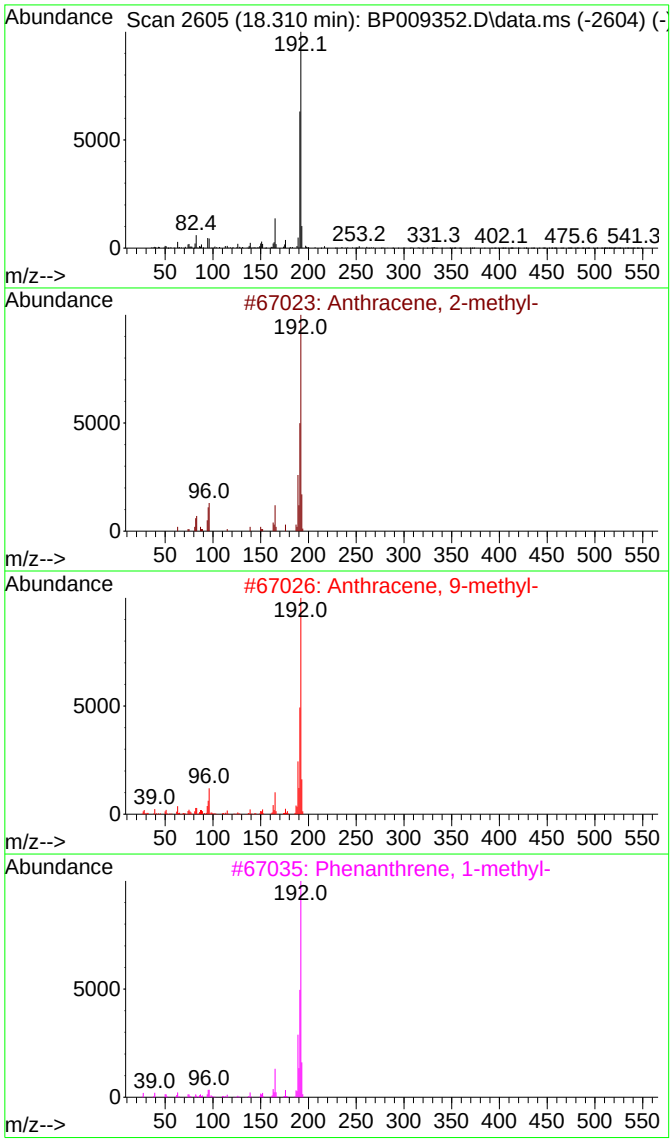
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

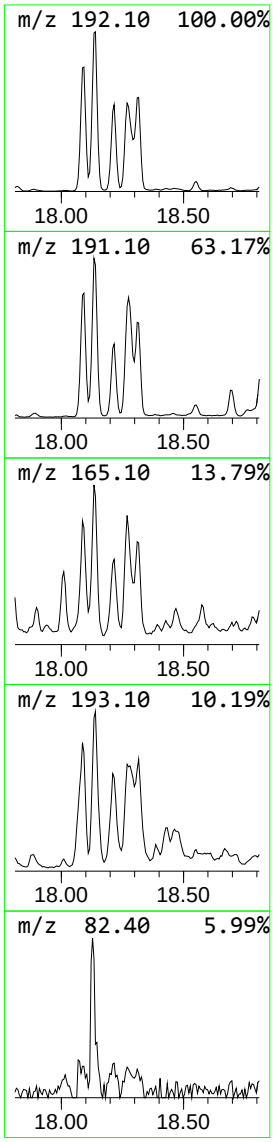
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.310	3.57 ng	1082810	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	72





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Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CG-B4-030722-0-2

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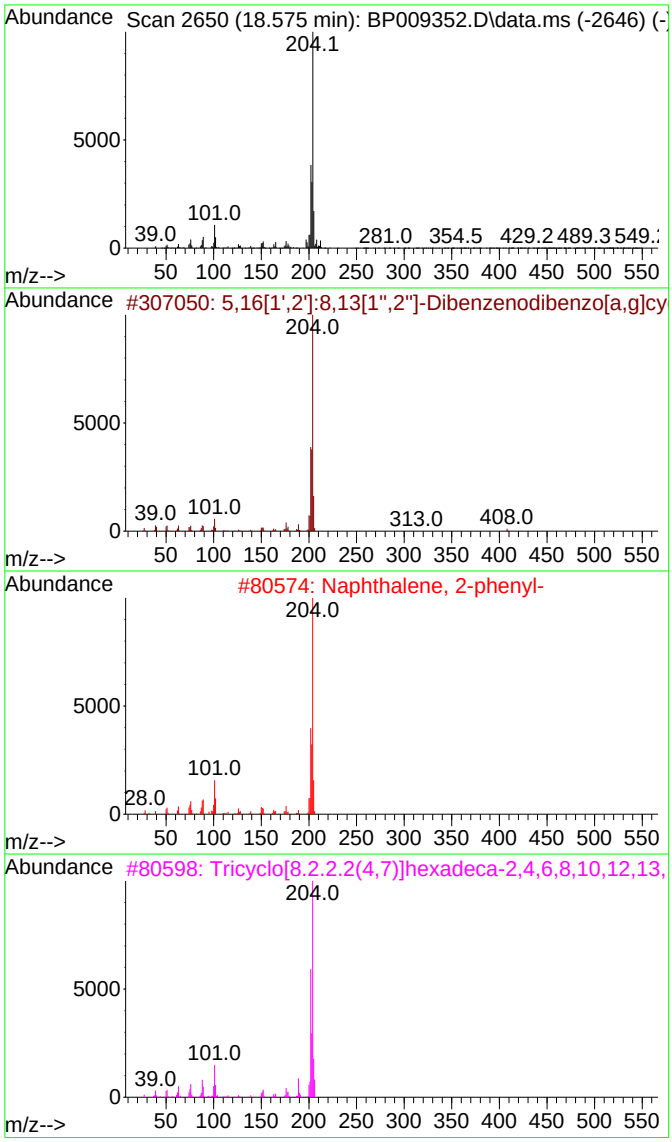
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

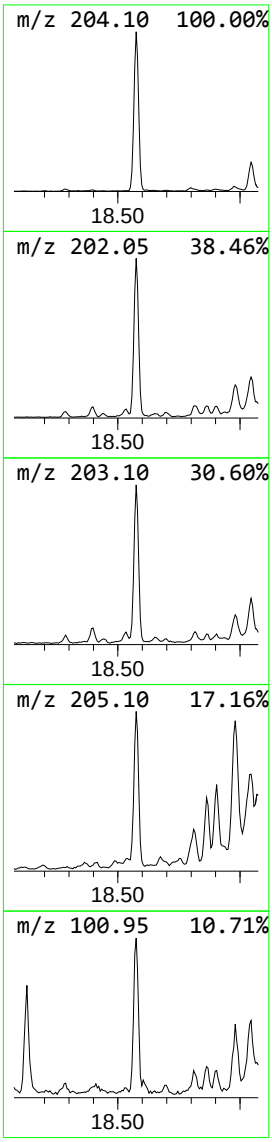
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.575	4.57 ng	1384200	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





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Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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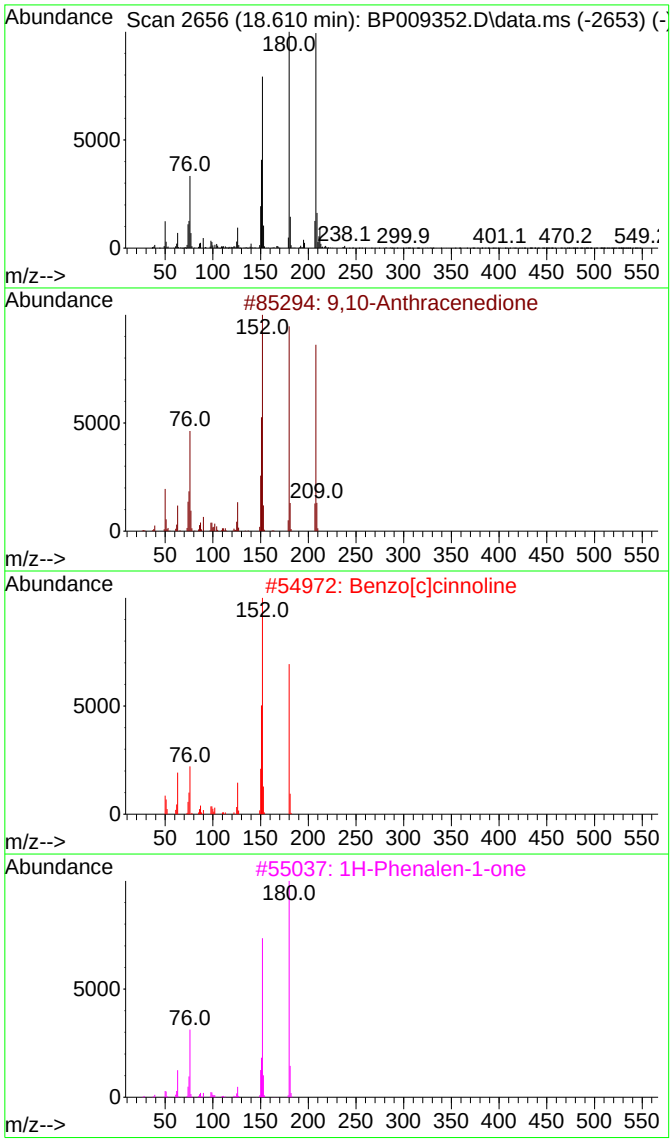
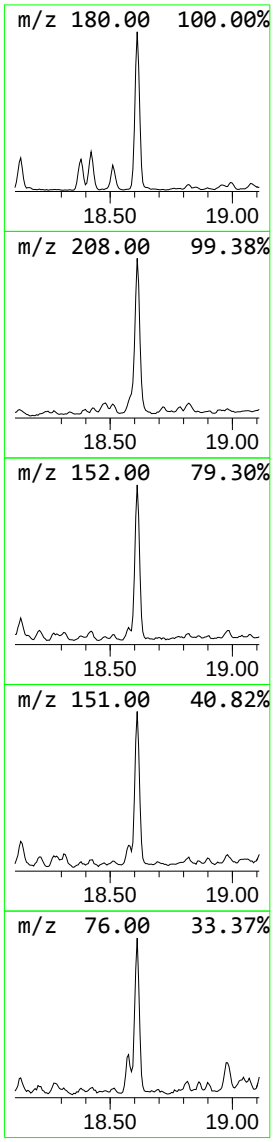
Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	4.27 ng	1292430	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





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Sample : N1848-02
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

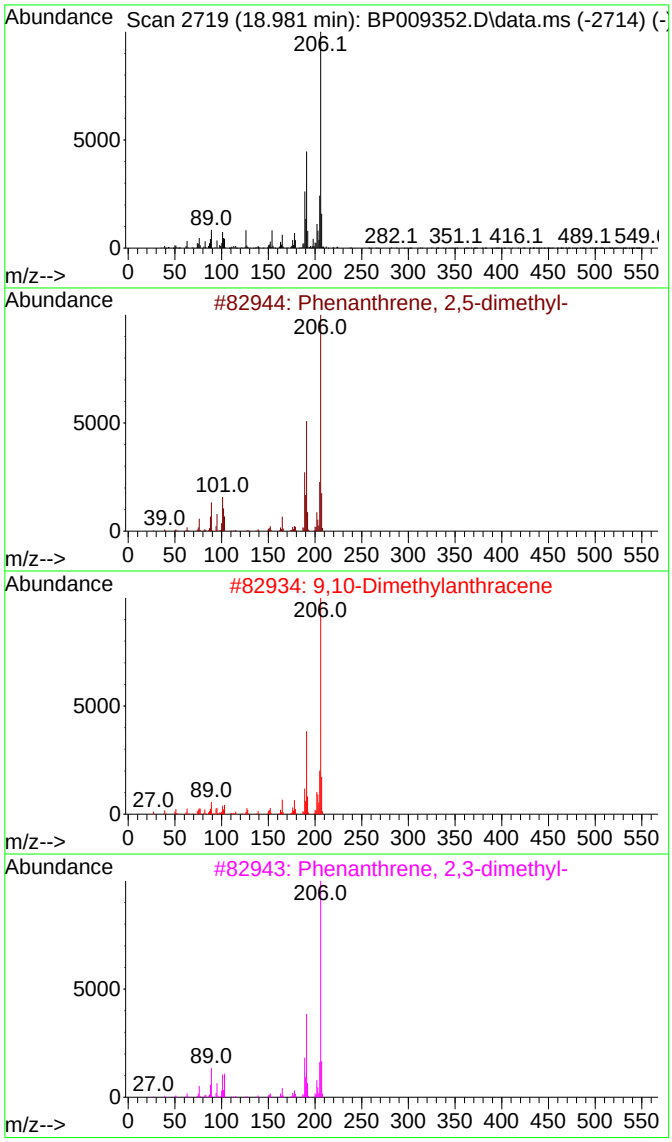
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

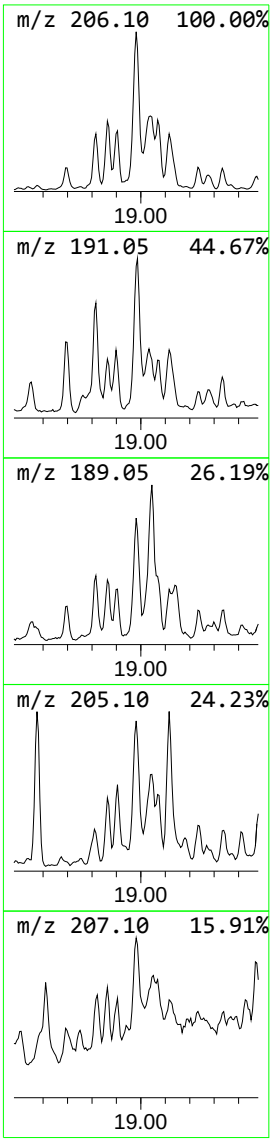
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.981	5.00 ng	1516450	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

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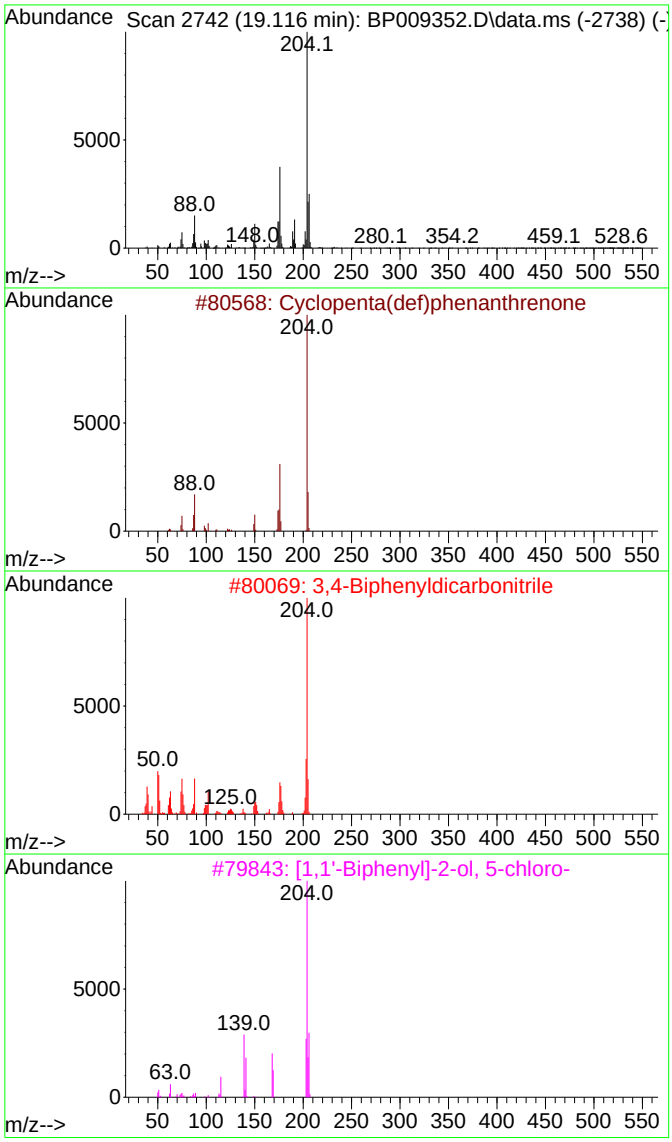
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

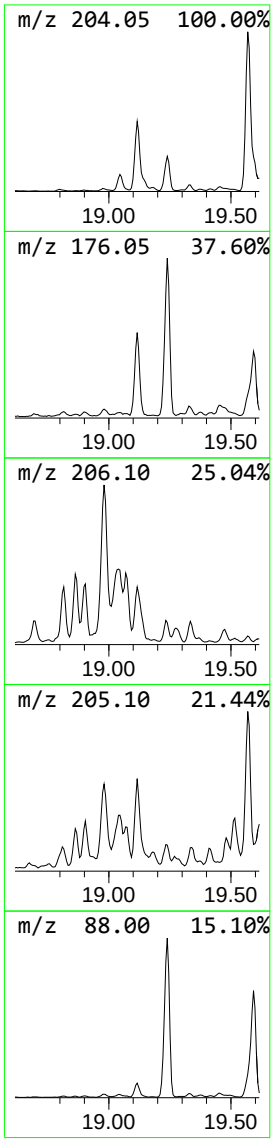
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.116	5.32 ng	1612120	Phenanthrene-d10	17.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





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Sample : N1848-02
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\NIST20.L
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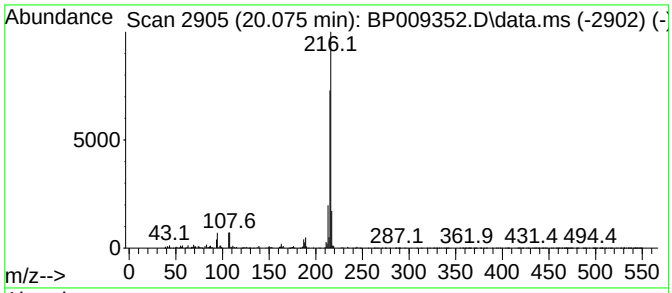
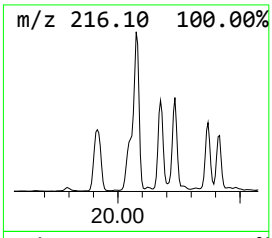
****

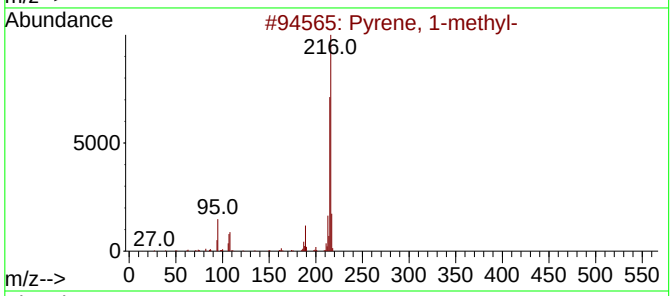
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

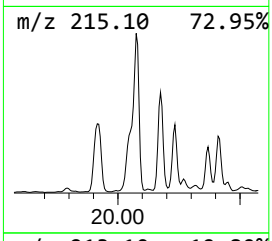
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.075	2.77 ng	3037660	Chrysene-d12	21.328

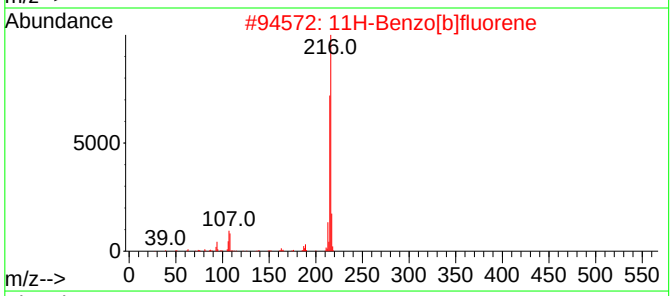
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80

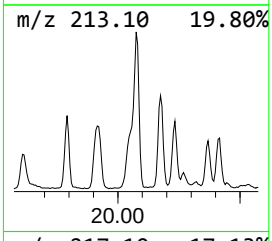


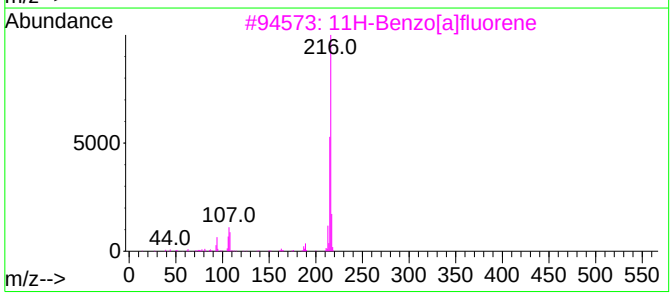


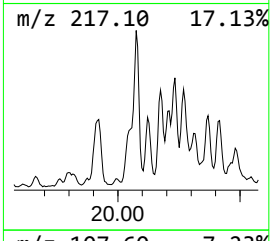


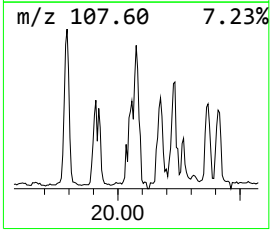












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Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CG-B4-030722-0-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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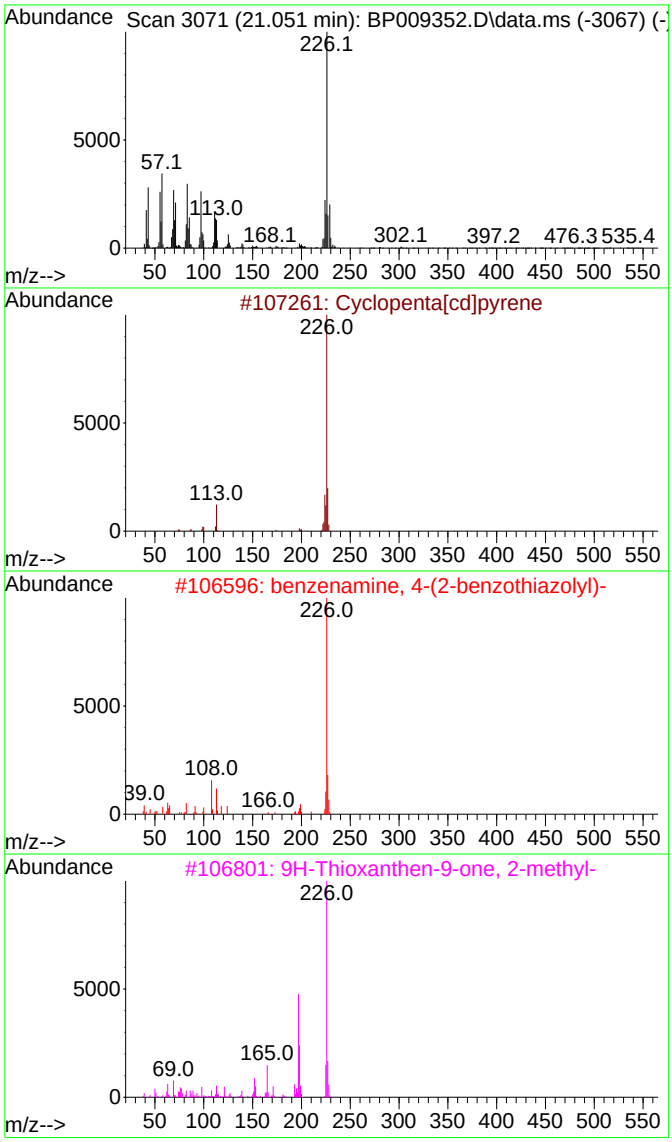
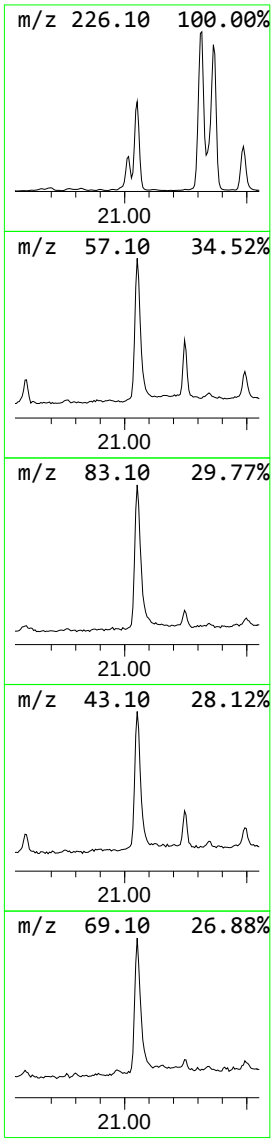
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.051	5.61 ng	6161110	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	47
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	46
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	38
5	L-Leucine, N,N-di(3-methylbutyl)...	285	C17H35NO2	1000452-94-0	38





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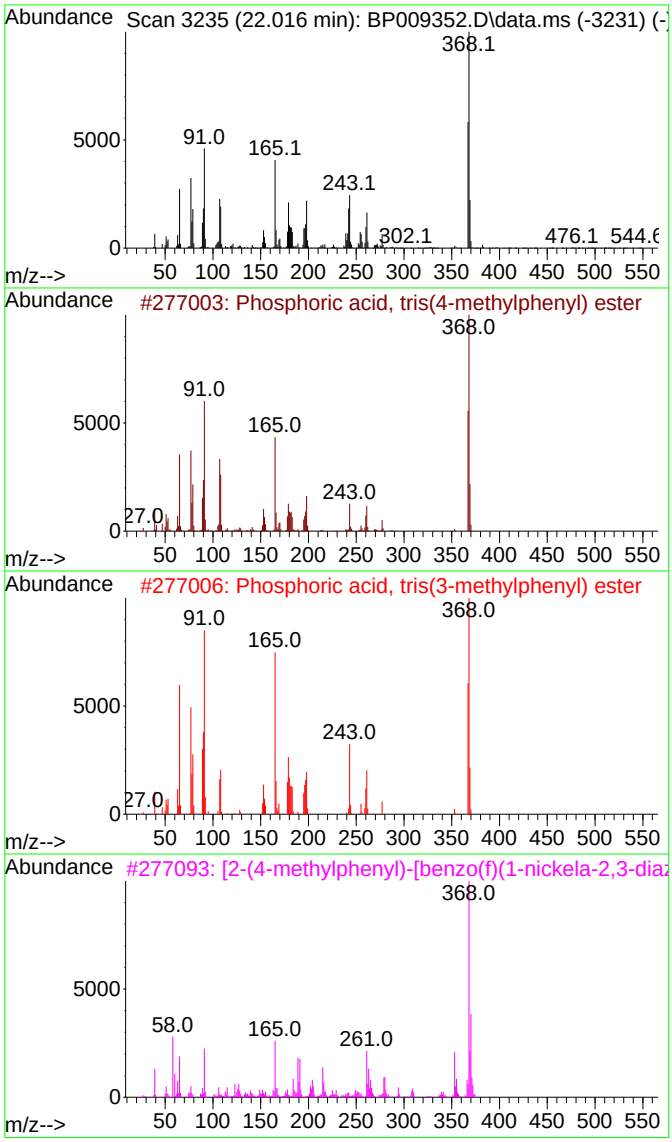
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

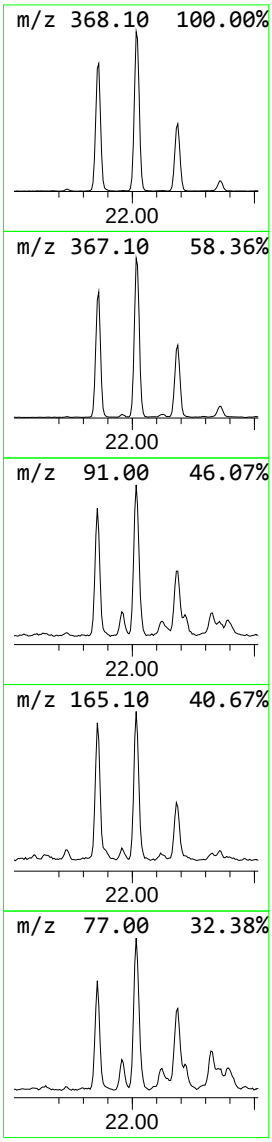
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phosphoric acid, tris(4-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.016	4.13 ng	4532130	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
3	[2-(4-methylphenyl)-[benzo(f)(1-...	368	C22H18N2Ni	1000193-28-5	43
4	Pyrimidine-4,6-dione, hexahydro-...	368	C19H16N2O4S	310421-18-2	38
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	27





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Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.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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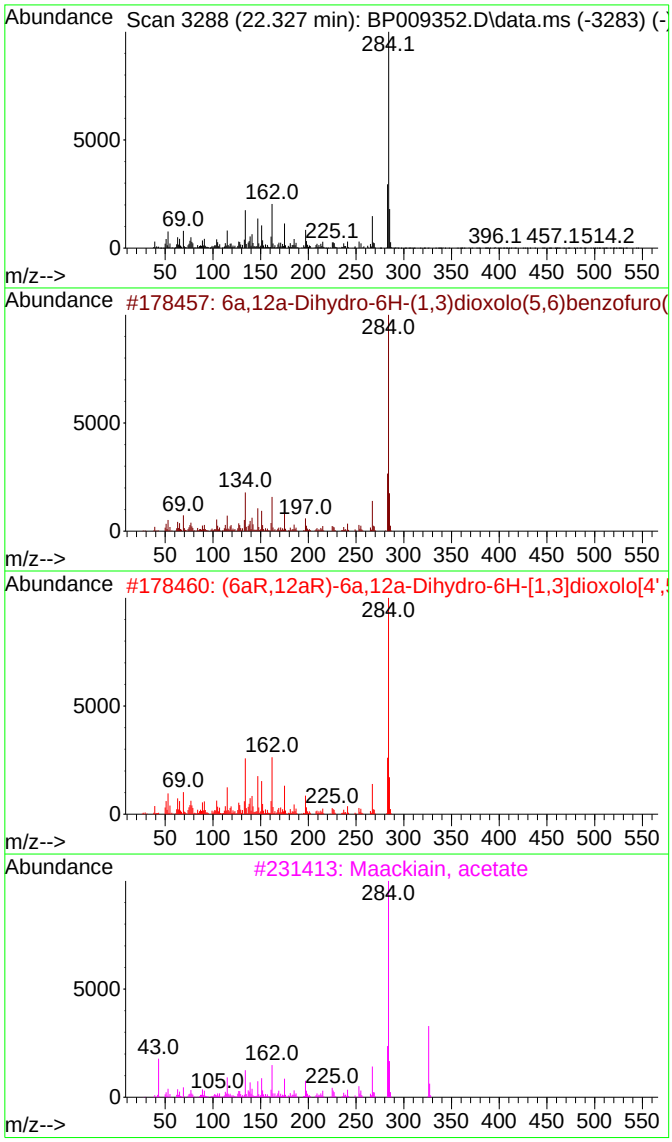
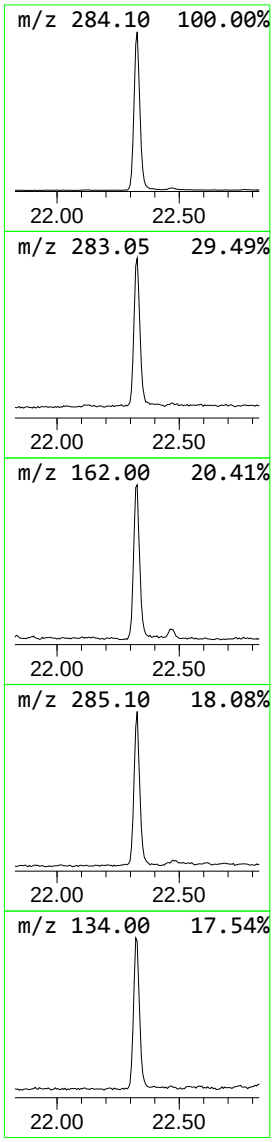
Peak Number 17 6a,12a-Dihydro-6H-(1,3)diox... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.328	4.39 ng	4817650	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6a,12a-Dihydro-6H-(1,3)dioxolo(5...	284	C16H12O5	076496-57-6	99
2	(6aR,12aR)-6a,12a-Dihydro-6H-[1,...	284	C16H12O5	002035-15-6	98
3	Maackiain, acetate	326	C18H14O6	002035-16-7	86
4	Homopterocarpin	284	C17H16O4	000606-91-7	58
5	9-(4-Amino-O-tolyl)acridine	284	C20H16N2	030189-60-7	58





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Data File : BP009352.D
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Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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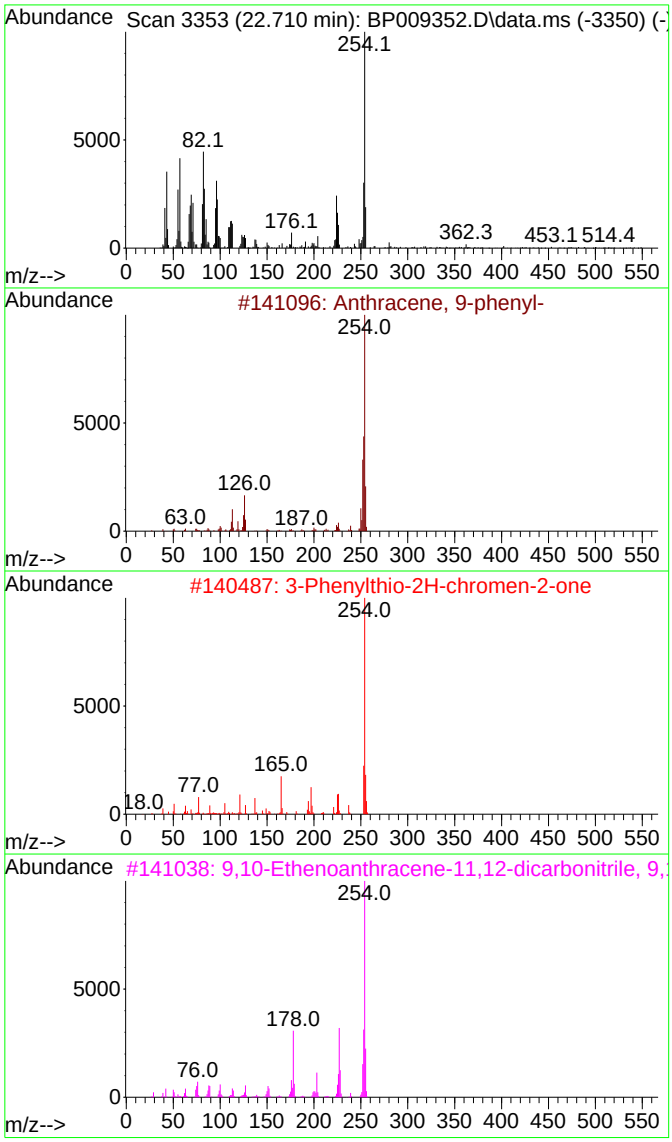
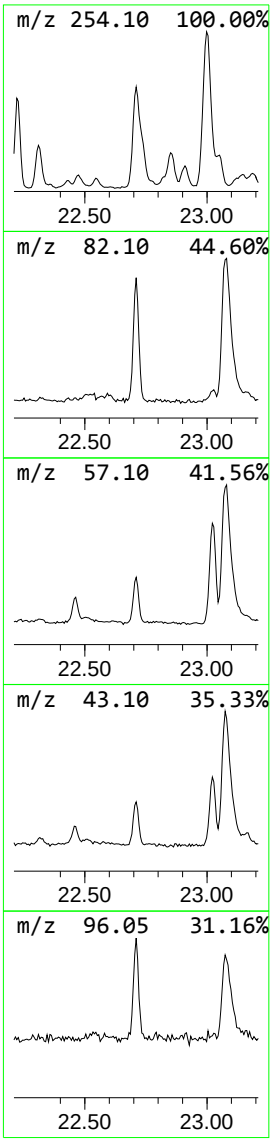
Peak Number 18 unknown22.710 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.710	8.97 ng	2528970	Perylene-d12	23.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	41
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	38
3	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	38
4	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	38
5	Raseglurant, N-methyl	254	C16H15FN2	1000498-91-9	38





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Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.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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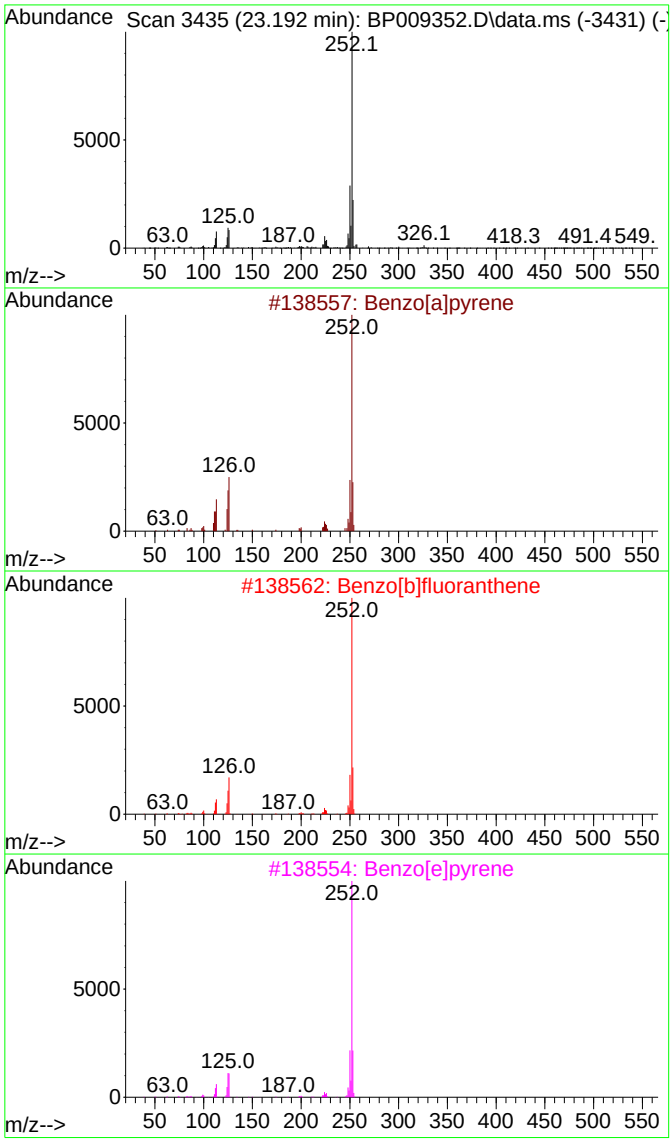
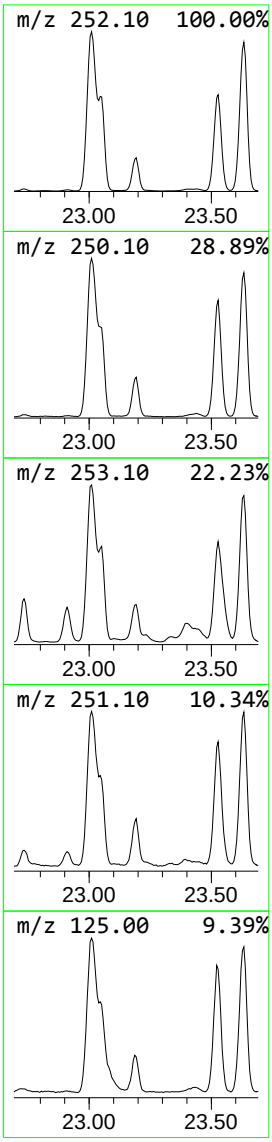
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.192	9.77 ng	2754330	Perylene-d12	23.739

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





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Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.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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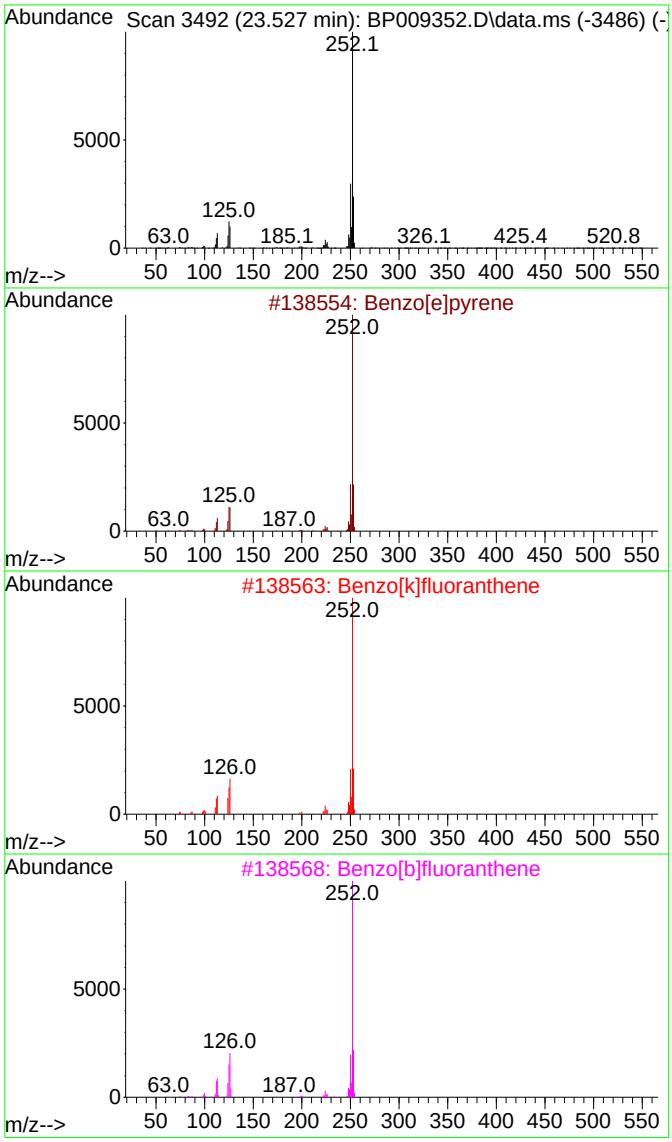
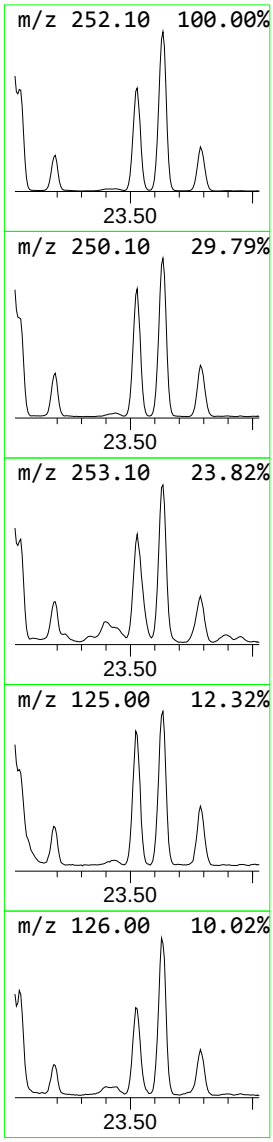
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.527	34.26 ng	9659280	Perylene-d12	23.739

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.070	8.3	ng	1190020	1	7.816	2867660	20.0
Methyl Isobutyl...	3.658	3.6	ng	510826	1	7.816	2867660	20.0
9H-Fluoren-9-one	16.863	3.1	ng	939108	4	17.216	6060280	20.0
Dibenzothiophene	17.034	3.5	ng	1047410	4	17.216	6060280	20.0
Phenanthrene, 2...	18.087	8.1	ng	2442630	4	17.216	6060280	20.0
n-Hexadecanoic ...	18.128	21.9	ng	6625980	4	17.216	6060280	20.0
Phenanthrene, 1...	18.216	4.7	ng	1409110	4	17.216	6060280	20.0
4H-Cyclopenta[d...	18.281	16.0	ng	4839020	4	17.216	6060280	20.0
Anthracene, 2-m...	18.310	3.6	ng	1082810	4	17.216	6060280	20.0
5,16[1',2']:8,1...	18.575	4.6	ng	1384200	4	17.216	6060280	20.0
9,10-Anthracene...	18.610	4.3	ng	1292430	4	17.216	6060280	20.0
Phenanthrene, 2...	18.981	5.0	ng	1516450	4	17.216	6060280	20.0
Cyclopenta(def)...	19.116	5.3	ng	1612120	4	17.216	6060280	20.0
Pyrene, 1-methyl-	20.075	2.8	ng	3037660	5	21.328	21958200	20.0
Cyclopenta[cd]p...	21.051	5.6	ng	6161110	5	21.328	21958200	20.0
Phosphoric acid...	22.016	4.1	ng	4532130	5	21.328	21958200	20.0
6a,12a-Dihydro-...	22.328	4.4	ng	4817650	5	21.328	21958200	20.0
unknown22.710	22.710	9.0	ng	2528970	6	23.739	5638000	20.0
Benzo[e]pyrene	23.192	9.8	ng	2754330	6	23.739	5638000	20.0
Perylene	23.527	34.3	ng	9659280	6	23.739	5638000	20.0