LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : R-LA-5/6-WC

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-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007940.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	359	366	380	rBV	2685947	3899830	42.25%	3.072%
2	7.034	627	637	648	rBV	2367906	3860682	41.83%	3.042%
3	7.852	769	776	784	rBV	491576	749770	8.12%	0.591%
4	9.010	965	973	992	rVB	1382834	2294844	24.86%	1.808%
5	10.434	1209	1215	1225	rBV	148587	260447	2.82%	0.205%
6	10.652	1244	1252	1256	rBV	544012	898563	9.74%	0.708%
7	10.699	1256	1260	1268	rVB	263517	440062	4.77%	0.347%
8	12.310	1525	1534	1541	rBV	90857	149342	1.62%	0.118%
9	13.116	1663	1671	1686	rBV	3290702	4880731	52.88%	3.845%
10	14.487	1896	1904	1910	rBV	784874	1188148	12.87%	0.936%
11	14.551	1910	1915	1923	rVB	296445	443017	4.80%	0.349%
12	14.887	1966	1972	1981	rBV	133512	212672	2.30%	0.168%
13	15.540	2074	2083	2090	rBV	245966	366366	3.97%	0.289%
14	15.981	2152	2158	2167	rBV	2942814	4390241	47.56%	3.459%
15	16.898	2309	2314	2320	rVB	59930	92730	1.00%	0.073%
16	16.998	2323	2331	2336	rBV2	150893	258156	2.80%	0.203%
17	17.063	2336	2342	2347	rVB	122258	191289	2.07%	0.151%
18	17.245	2366	2373	2376	rBV	1038157	1501578	16.27%	1.183%
19	17.286	2376	2380	2387	rVV	2994173	4234940	45.88%	3.336%
20	17.375	2387	2395	2402	rVV	669771	1124172	12.18%	0.886%
21	17.439	2402	2406	2412	rVB	66009	104315	1.13%	0.082%
22	17.651	2432	2442	2452	rBV2	455924	770367	8.35%	0.607%
23	18.116	2515	2521	2524	rBV	324180	496858	5.38%	0.391%
24	18.157	2524	2528	2536	rVB	564842	846053	9.17%	0.667%
25	18.239	2536	2542	2546	rBV	197171	276224	2.99%	0.218%
26	18.304	2546	2553	2556	rBV3	577192	972199	10.53%	0.766%
27	18.339	2556	2559	2564	rVB	245441	334381	3.62%	0.263%
28	18.598	2598	2603	2606	rVV	263109	339975	3.68%	0.268%
29	18.633	2606	2609	2615	rVB2	79735	102255	1.11%	0.081%
30	18.833	2640	2643	2647	rVB2	81536	99545	1.08%	0.078%
31	18.922	2655	2658	2662	rVB2	77274	94887	1.03%	0.075%
32	19.004	2667	2672	2677	rBV2	114086	206441	2.24%	0.163%
33	19.069	2677	2683	2685	rBV3	97069	159617	1.73%	0.126%
34	19.139	2691	2695	2703	rBV3	100795	195713	2.12%	0.154%
35	19.263	2709	2716	2722	rBV	5657950	7717246	83.61%	6.080%
36	19.351	2728	2731	2737	rVB3	72399	110464	1.20%	0.087%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

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-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.457	2743	2749	2752	rBV2	91384	189043	2.05%	0.149%
38	19.492	2752	2755	2759	rVB	150272	206701	2.24%	0.163%
39	19.610	2771	2775	2783	rVB	5249377	7392779	80.10%	5.824%
40	19.680	2783	2787	2794	rVB	238523	347443	3.76%	0.274%
41	19.810	2800	2809	2813	rBV	6297306	8179040	88.61%	6.444%
42	19.845	2813	2815	2819	rVB	284549	311172	3.37%	0.245%
43	19.933	2823	2830	2835	rVV2	420395	975757	10.57%	0.769%
44	19.980	2835	2838	2841	rVB	136185	149295	1.62%	0.118%
45	20.092	2844	2857	2862	rVV2	1431203	2913226	31.56%	2.295%
46	20.192	2869	2874	2878	rBV	1102920	1411991	15.30%	1.112%
47	20.251	2878	2884	2887	rVV2	614456	1005587	10.89%	0.792%
48	20.286	2887	2890	2893	rVV	216520	261376	2.83%	0.206%
49	20.327	2894	2897	2901	rVB2	112750	150952	1.64%	0.119%
50	20.386	2902	2907	2910	rBV	581977	781250	8.46%	0.615%
51	20.427	2910	2914	2919	rVB	579744	780626	8.46%	0.615%
52	20.639	2946	2950	2952	rBV2	94594	146687	1.59%	0.116%
53	20.675	2952	2956	2958	rVV3	176743	275442	2.98%	0.217%
54	20.710	2958	2962	2966	rVB2	271282	446611	4.84%	0.352%
55	20.786	2971	2975	2978	rBV2	213511	378571	4.10%	0.298%
56	20.827	2979	2982	2988	rVB	319269	525918	5.70%	0.414%
57	20.992	3003	3010	3013	rBV2	657604	1060924	11.49%	0.836%
58	21.027	3013	3016	3018	rBV	501860	565770	6.13%	0.446%
59	21.057	3018	3021	3023	rBV2	319294	486828	5.27%	0.384%
60	21.116	3028	3031	3042	rVB2	363477	616023	6.67%	0.485%
61	21.222	3043	3049	3054	rBV	226659	438459	4.75%	0.345%
62	21.327	3058	3067	3072	rVV3	4799780	9229996	100.00%	7.272%
63	21.374	3072	3075	3085	rVB	4388197	6031017	65.34%	4.751%
64	21.498	3092	3096	3104	rBV	337494	558088	6.05%	0.440%
65	21.610	3112	3115	3119	rVB	464897	609535	6.60%	0.480%
66	21.663	3119	3124	3130	rBV2	757680	1156936	12.53%	0.911%
67	21.716	3130	3133	3137	rVB3	104473	157458	1.71%	0.124%
68	21.916	3161	3167	3171	rBV	745607	1155607	12.52%	0.910%
69	21.969	3173	3176	3181	rVB	566704	772250	8.37%	0.608%
70	22.039	3185	3188	3192	rVB2	157998	227326	2.46%	0.179%
71	22.127	3199	3203	3205	rBV	399438	545486	5.91%	0.430%
72	22.163	3206	3209	3215	rVB3	477688	740111	8.02%	0.583%
73	22.233	3216	3221	3225	rBV2	284463	493069	5.34%	0.388%
74	23.021	3347	3355	3360	rBV	3287843	8230570	89.17%	6.484%
75	23.198	3381	3385	3393	rVB	373758	611585	6.63%	0.482%
76	23.539	3436	3443	3452	rVB	2018569	4151377	44.98%	3.271%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

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-BP110221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.645	3454	3461	3468	rVV	2903950	5544212	60.07%	4.368%
78	23.745	3472	3478	3483	rVV2	1094819	2470355	26.76%	1.946%
79	23.804	3483	3488	3497	rVB2	788994	1839537	19.93%	1.449%
80	26.257	3896	3905	3918	rVB2	1365436	4407840	47.76%	3.473%
81	27.033	4028	4037	4059	rVB	1049699	3738968	40.51%	2.946%

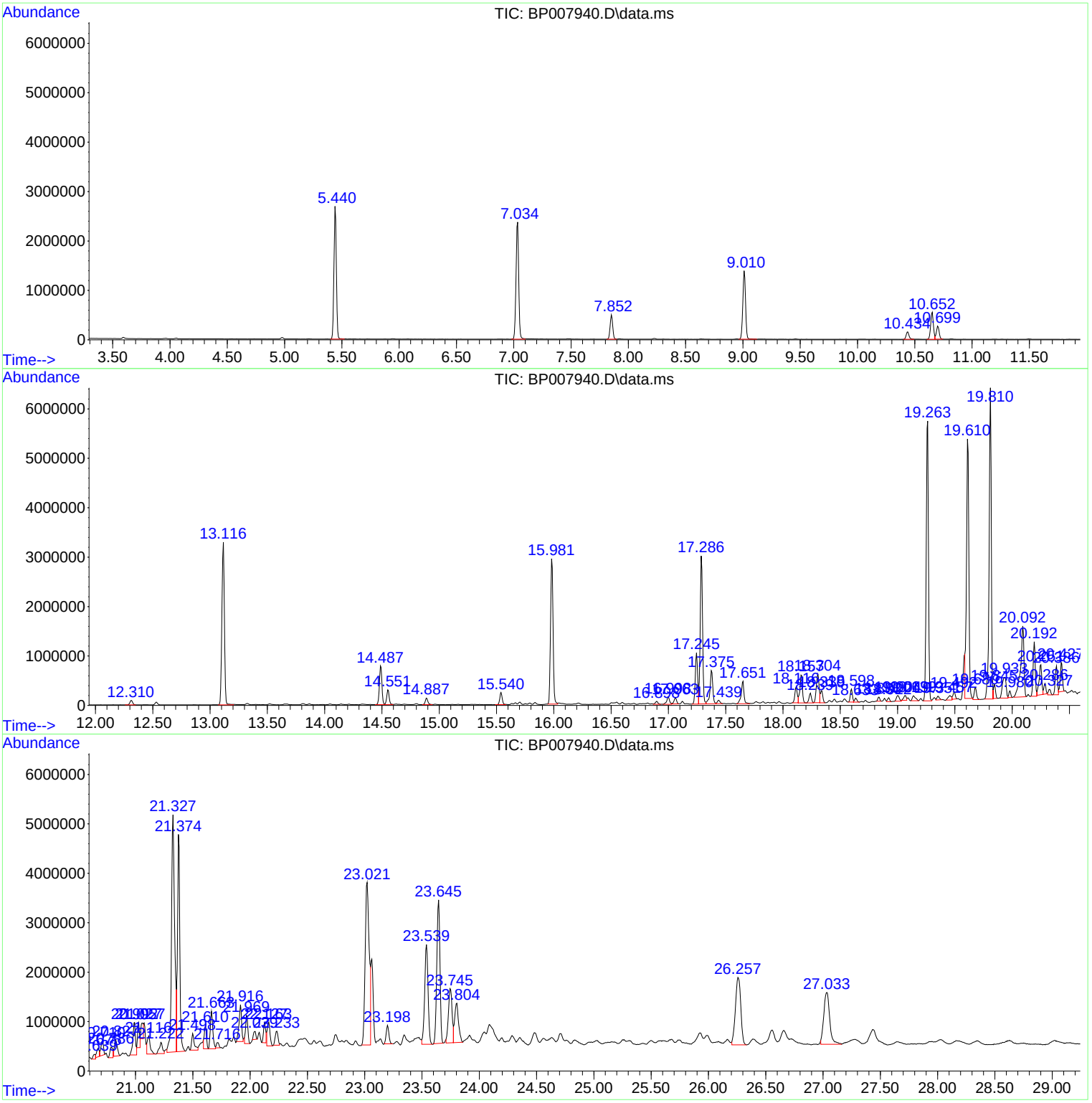
Sum of corrected areas: 126932914

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

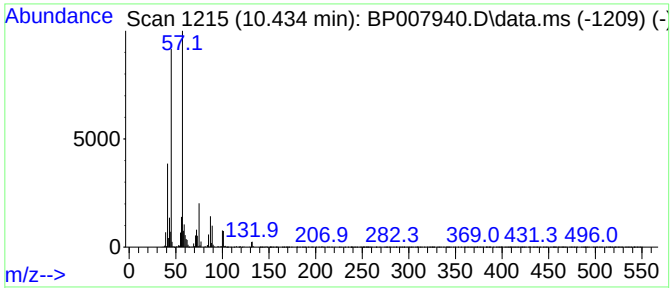
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

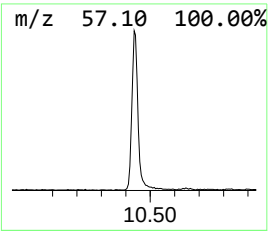
****

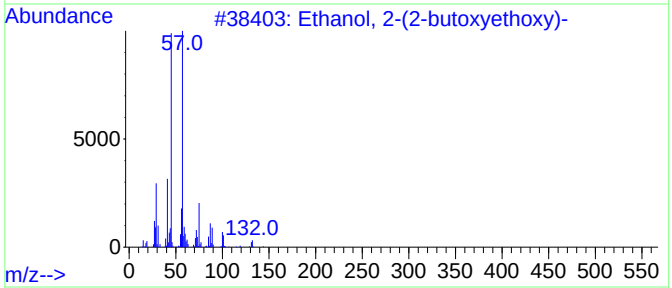
Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 7

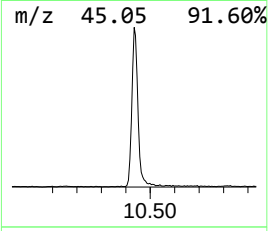
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.434	5.80 ng	260447	Naphthalene-d8	10.652

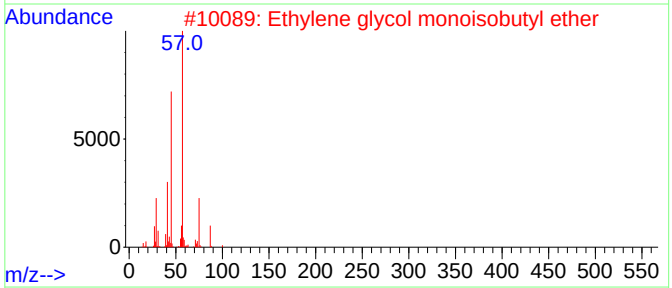
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
4	Di-sec-Butyl ether	130	C8H18O	006863-58-7	50
5	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50

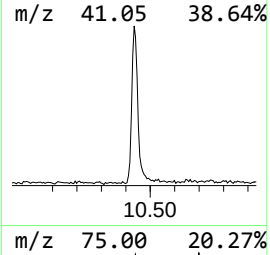


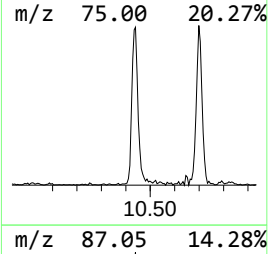


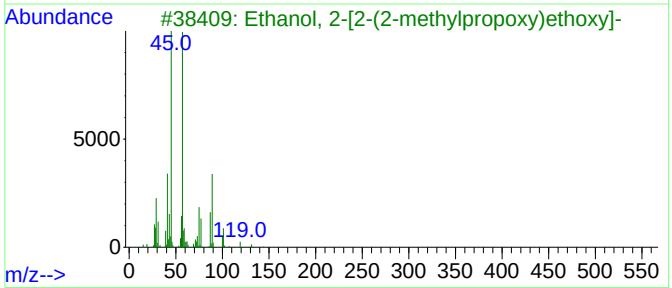


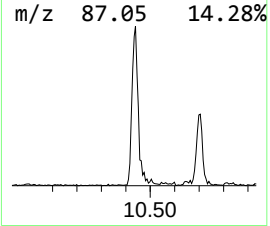












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

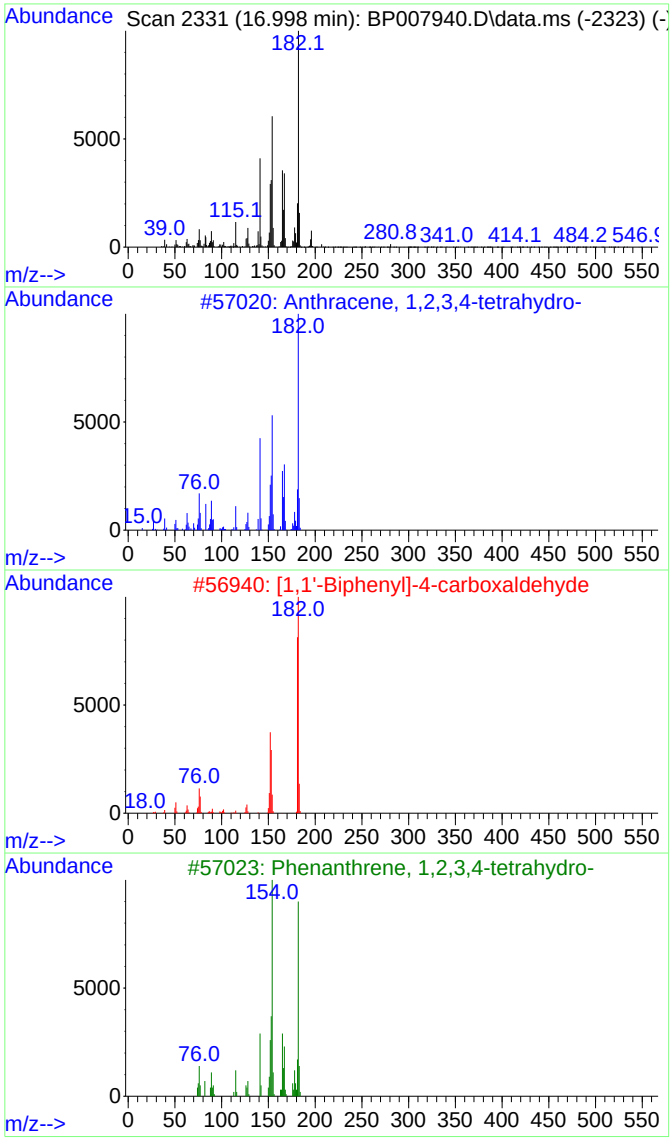
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

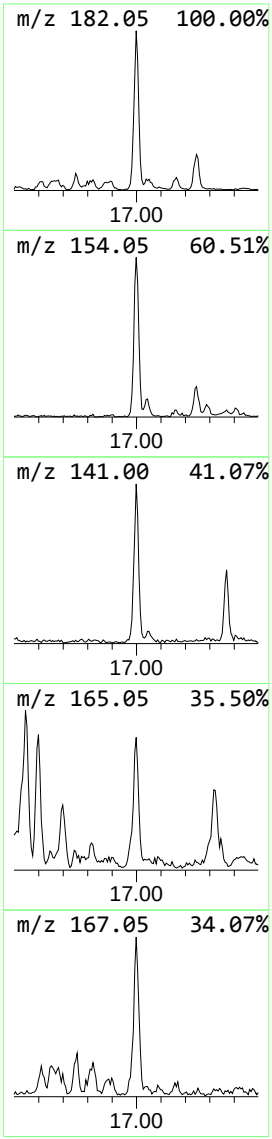
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.998	3.44 ng	258156	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	81
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

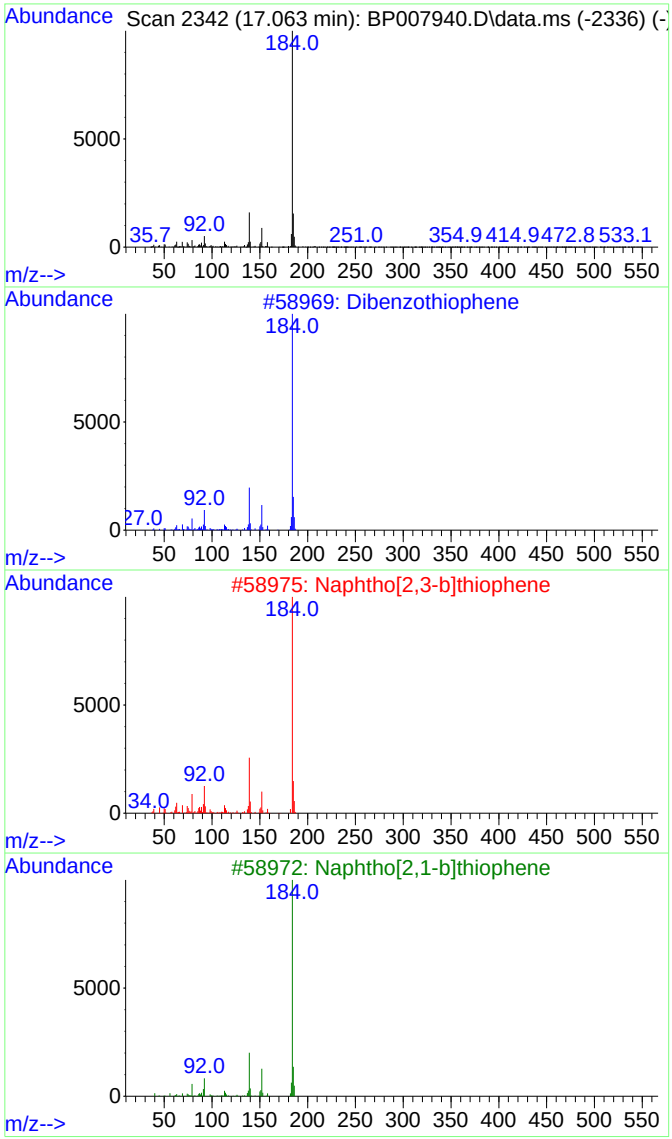
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

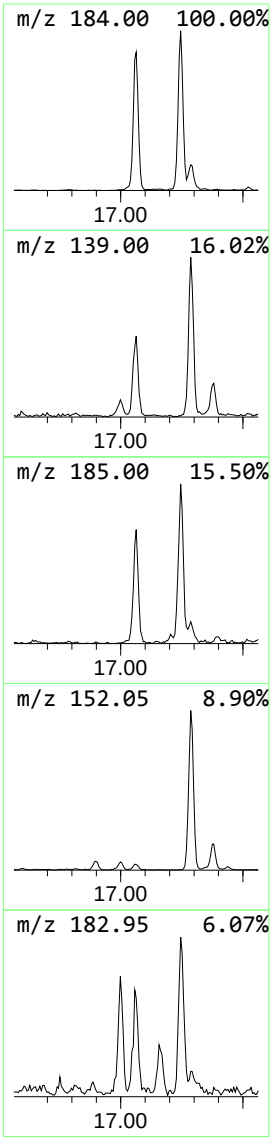
****

Peak Number 3 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.063	2.55 ng	191289	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

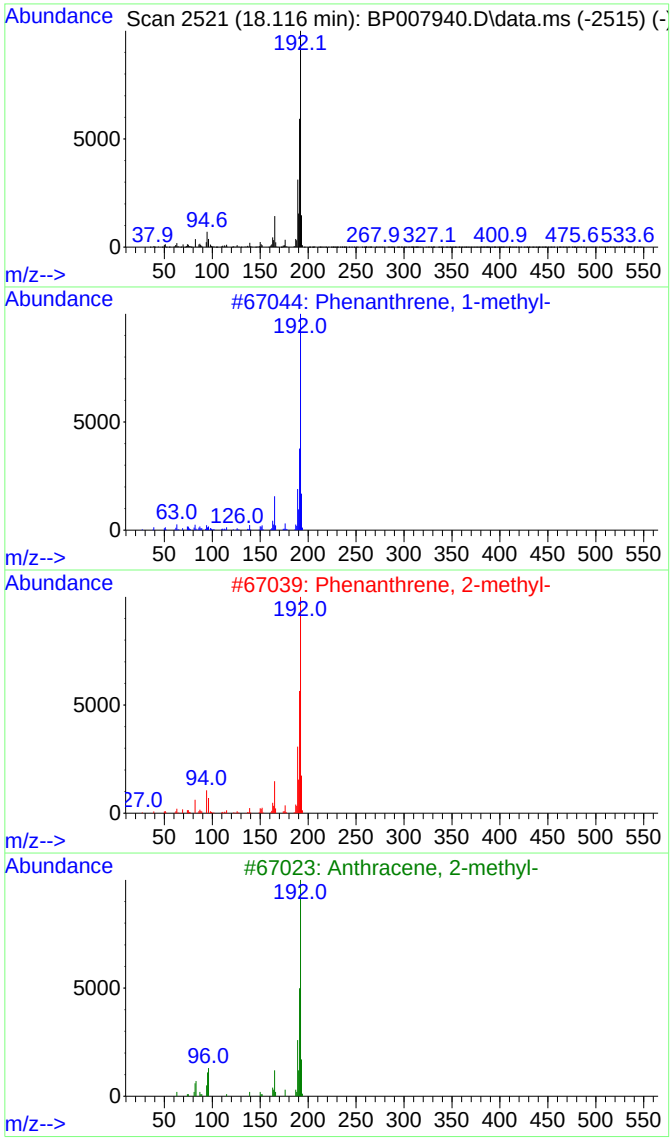
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

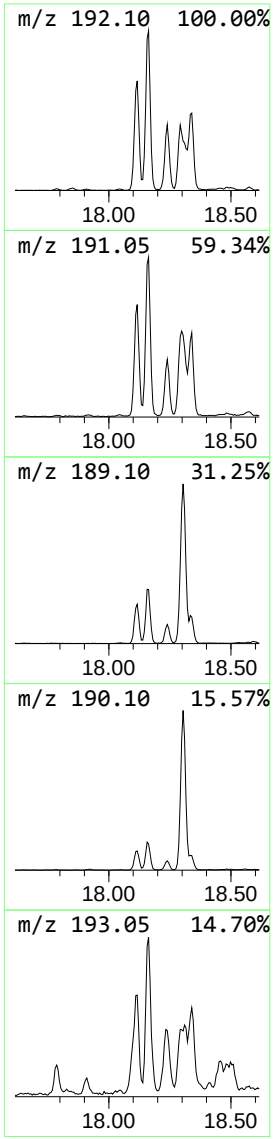
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.116	6.62 ng	496858	Phenanthrene-d10	17.245

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

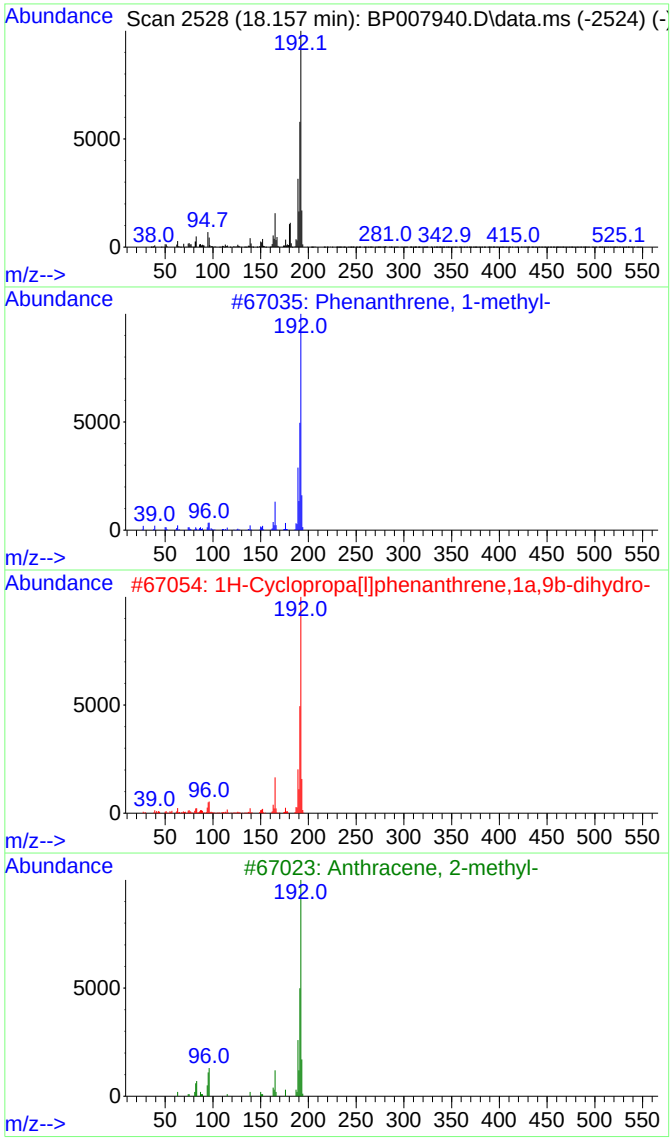
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

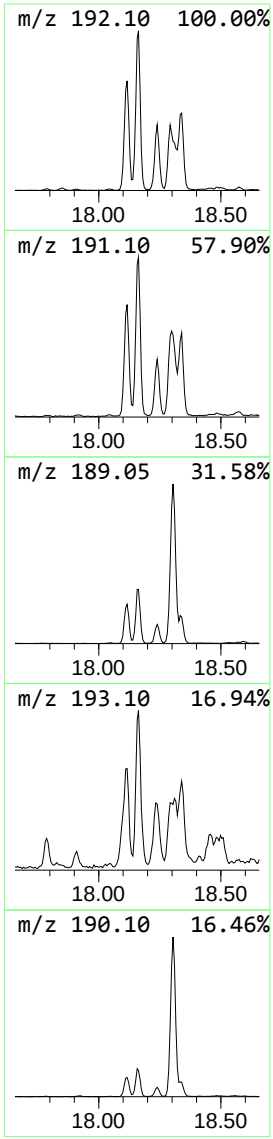
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	11.27 ng	846053	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

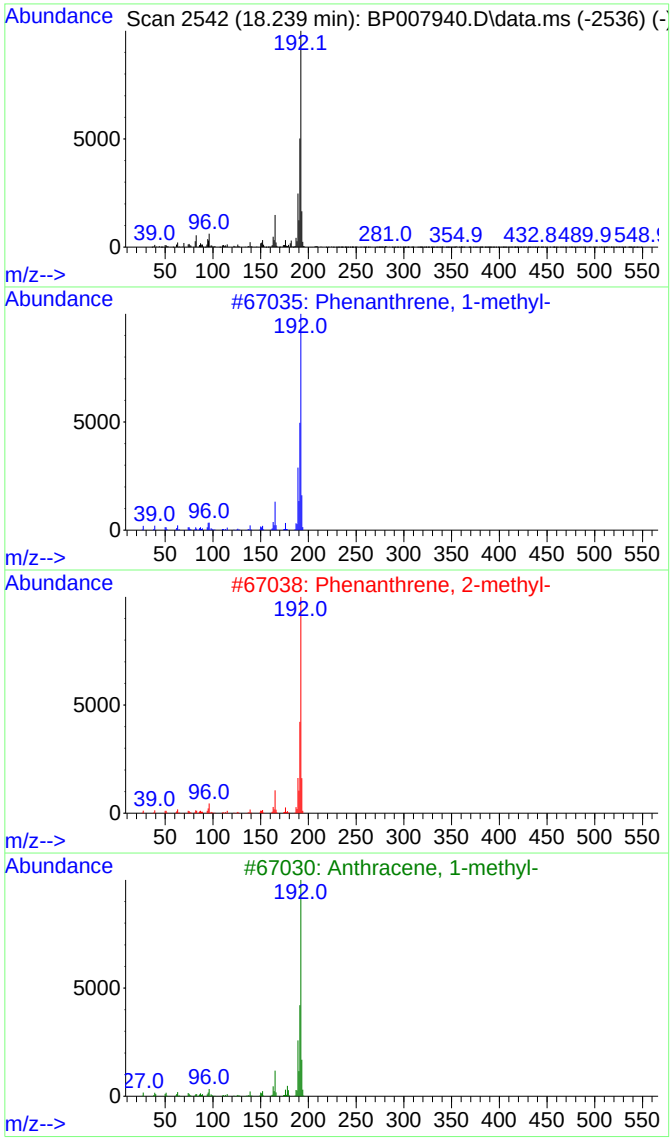
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

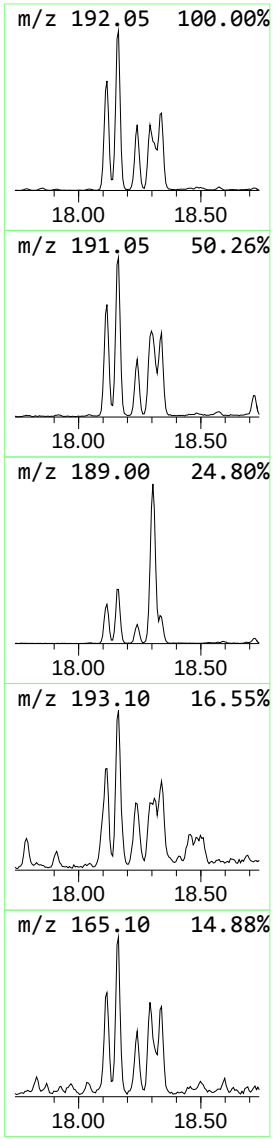
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	3.68 ng	276224	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

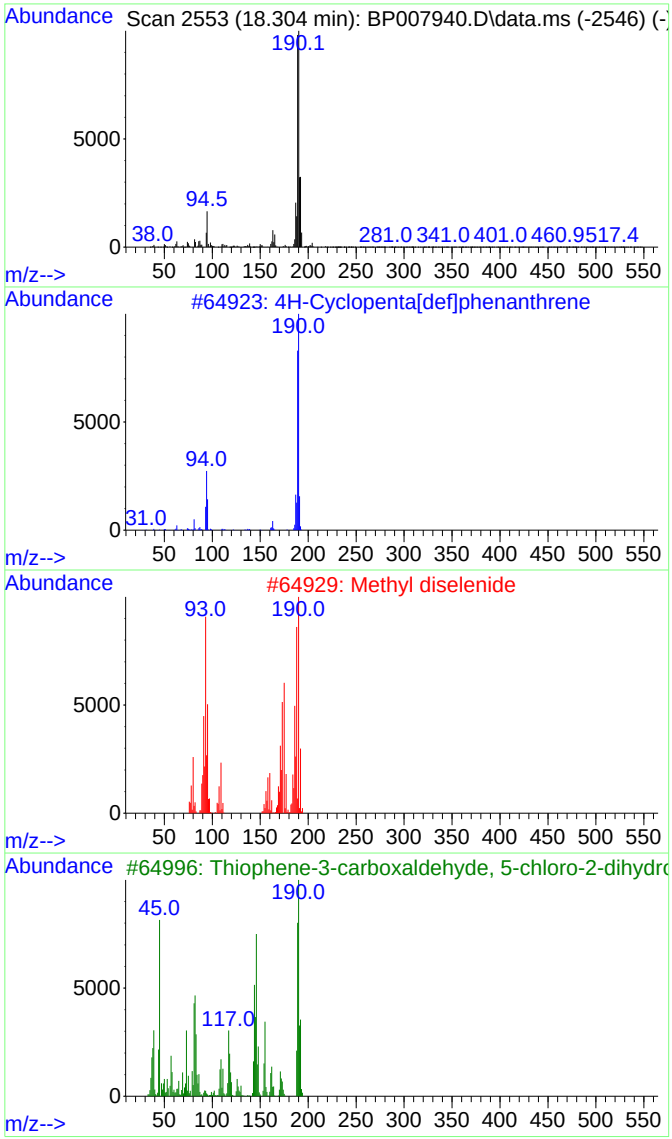
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

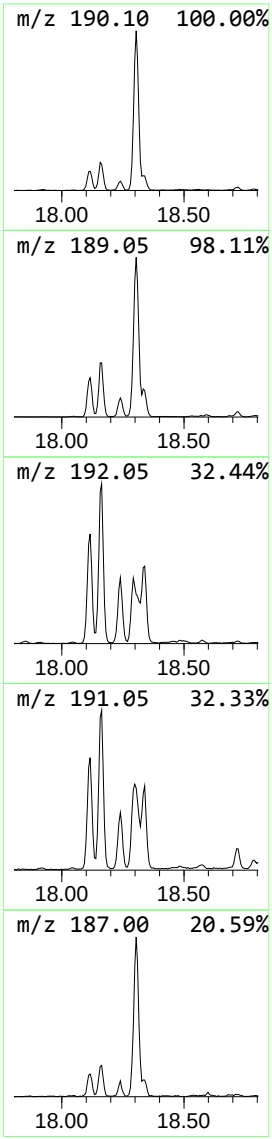
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	12.95 ng	972199	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

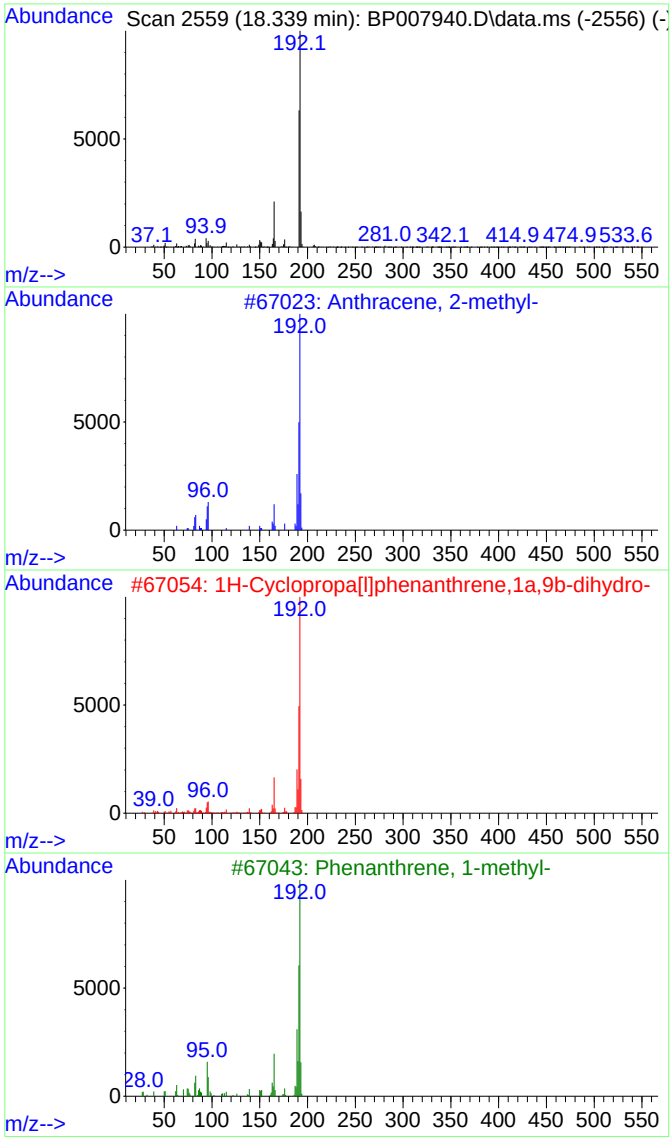
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

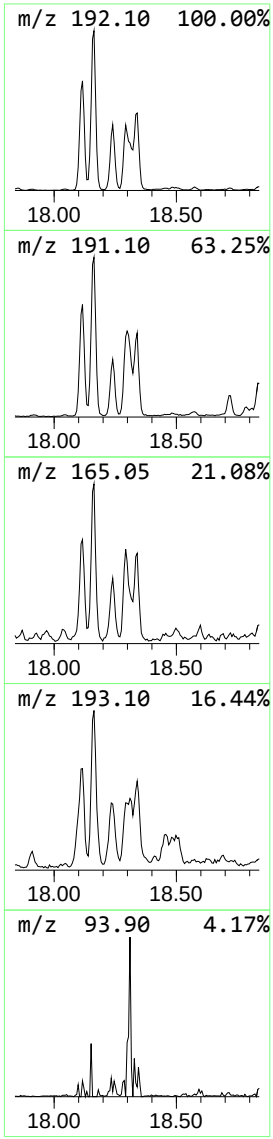
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	4.45 ng	334381	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

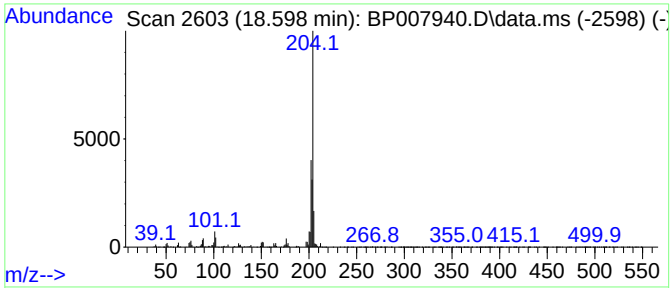
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

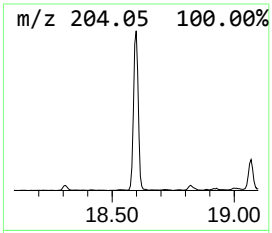
****

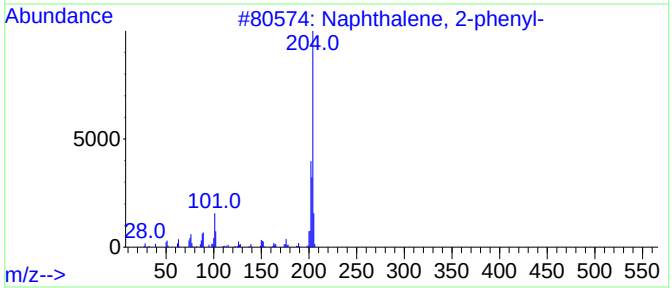
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

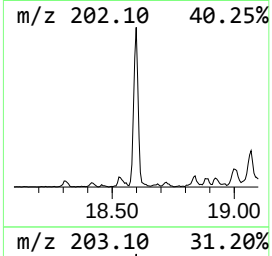
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	4.53 ng	339975	Phenanthrene-d10	17.245

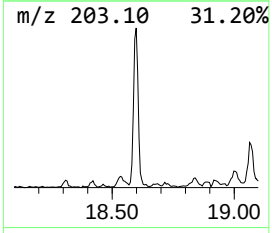
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53

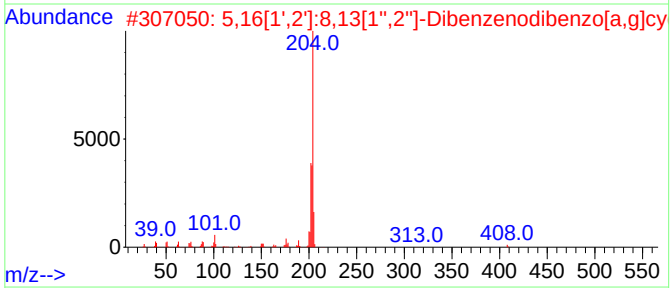


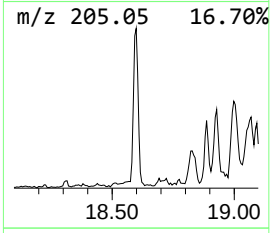


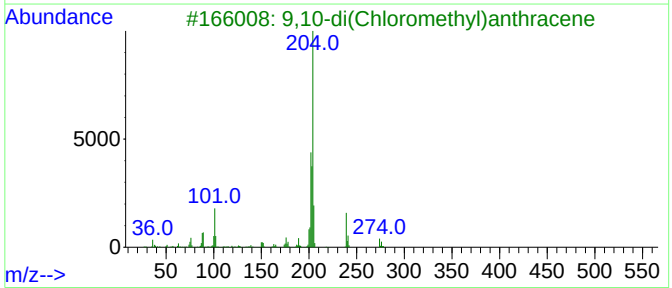


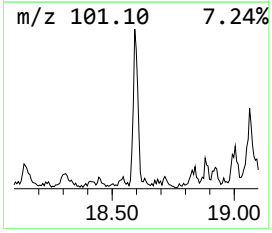












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

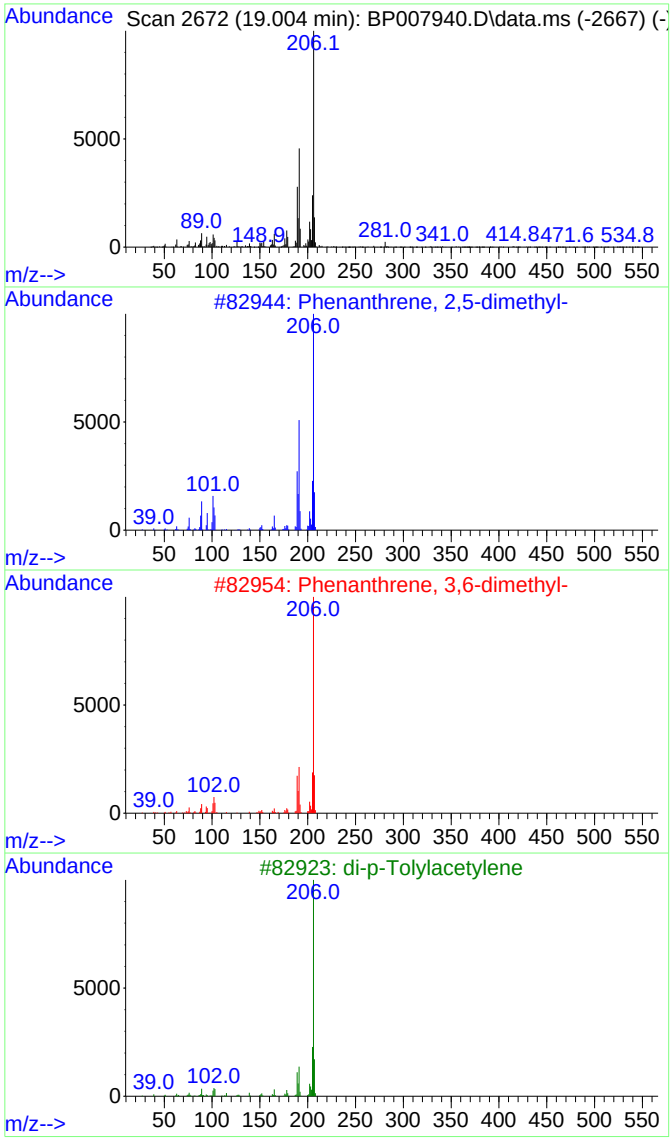
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

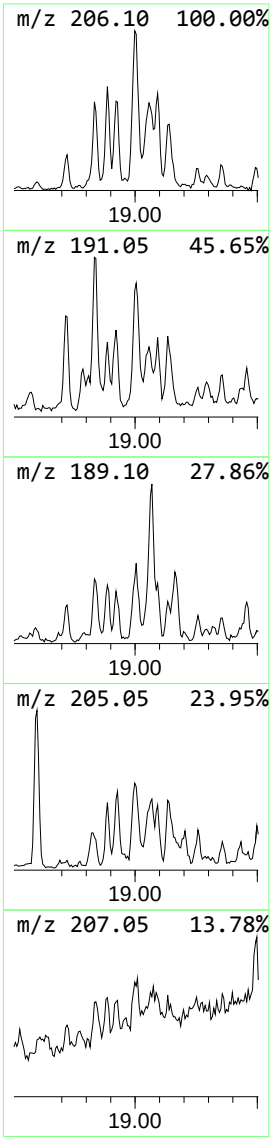
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.004	2.75 ng	206441	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

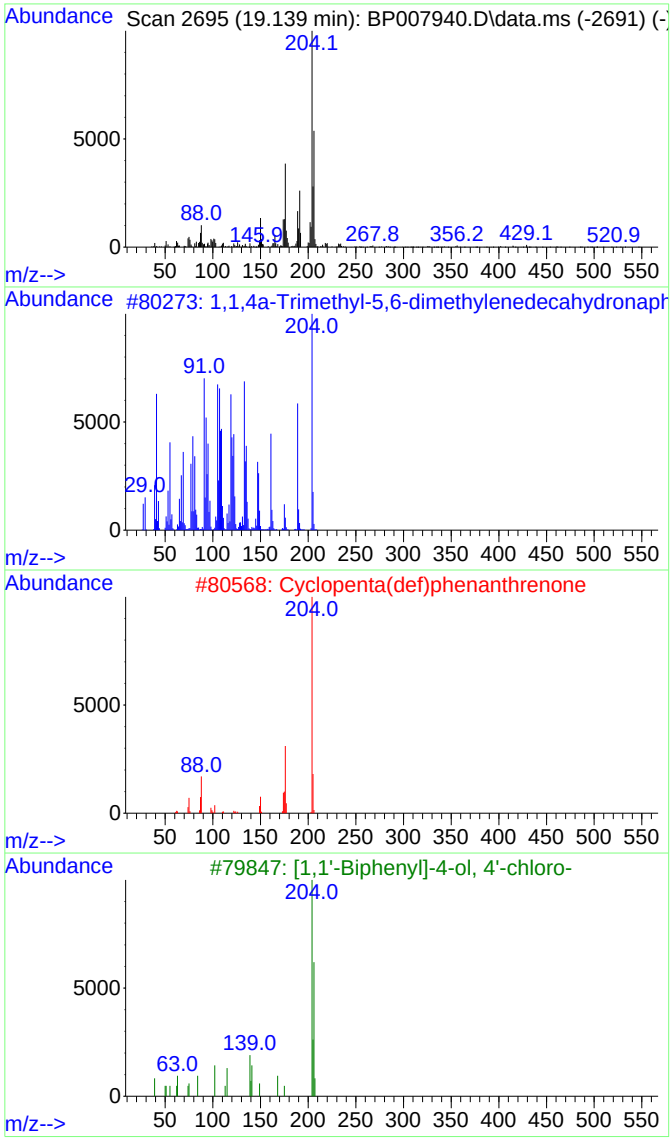
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

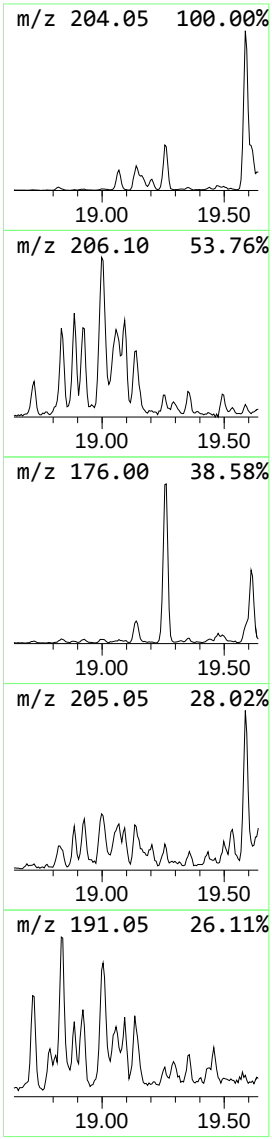
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.139	2.61 ng	195713	Phenanthrene-d10	17.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	64
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

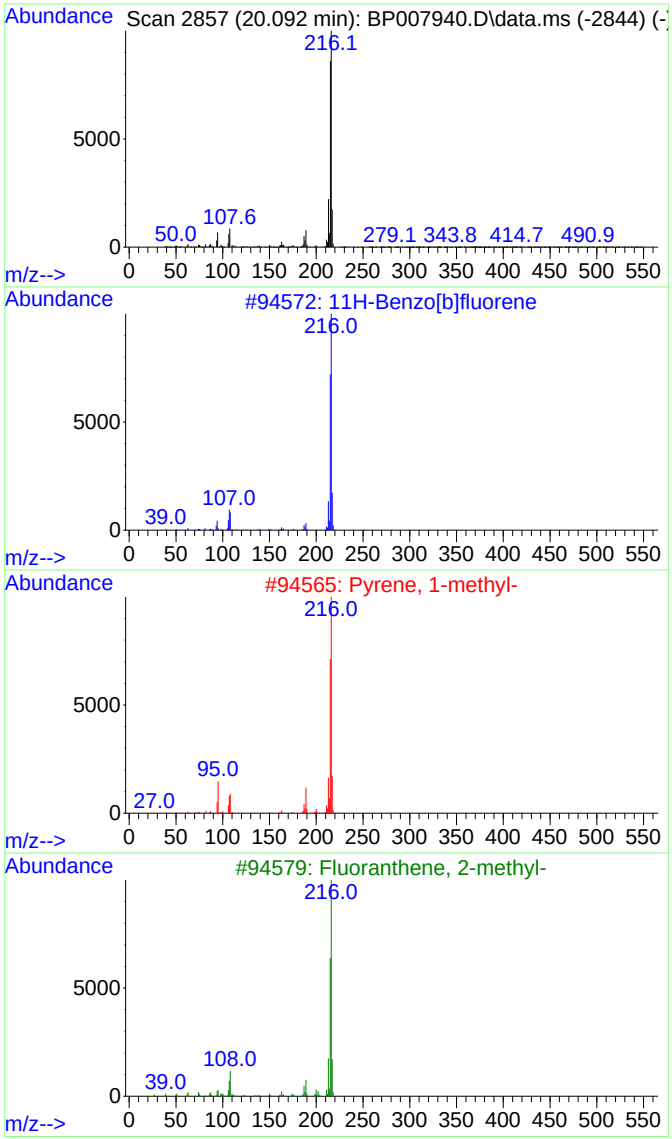
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

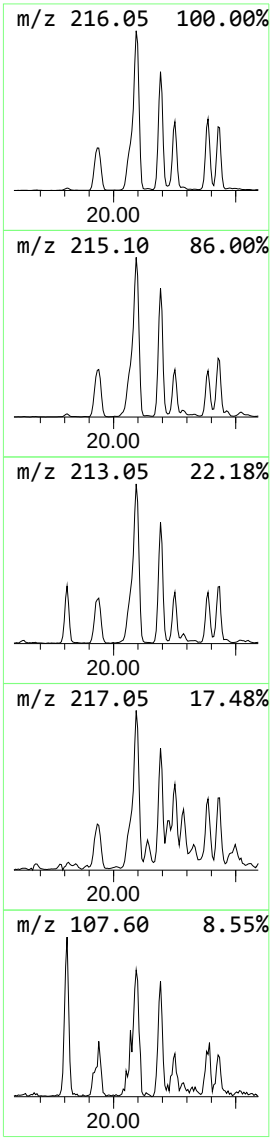
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.092	6.31 ng	2913230	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

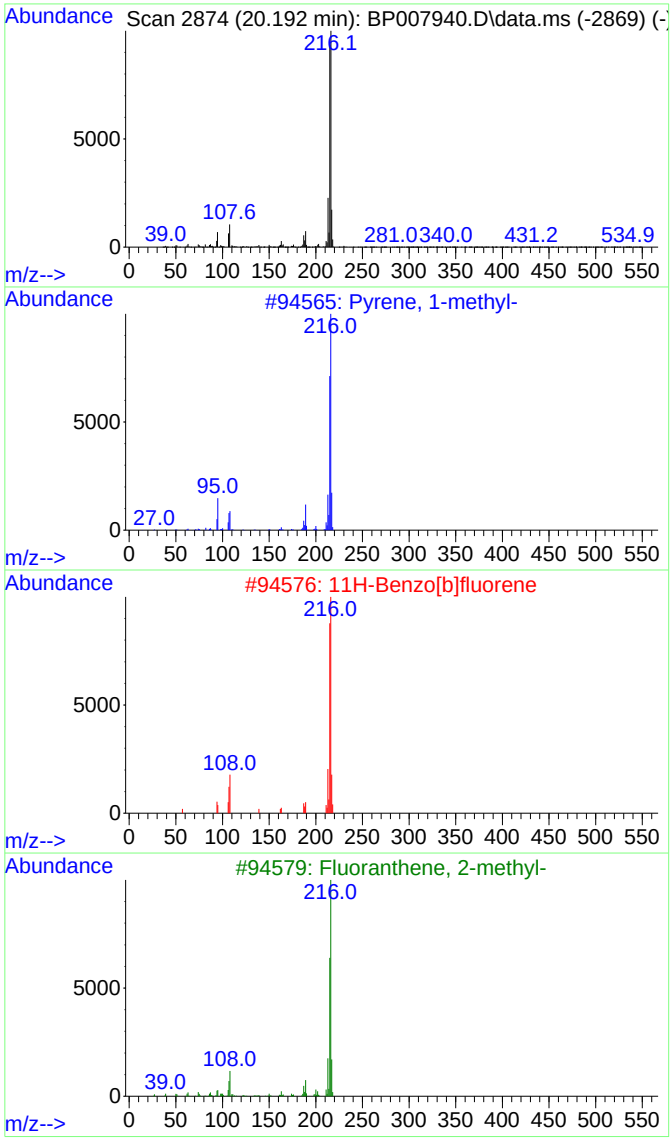
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

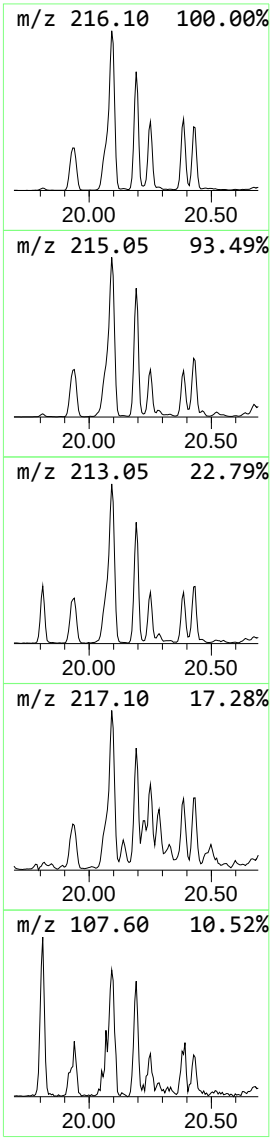
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.192	3.06 ng	1411990	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

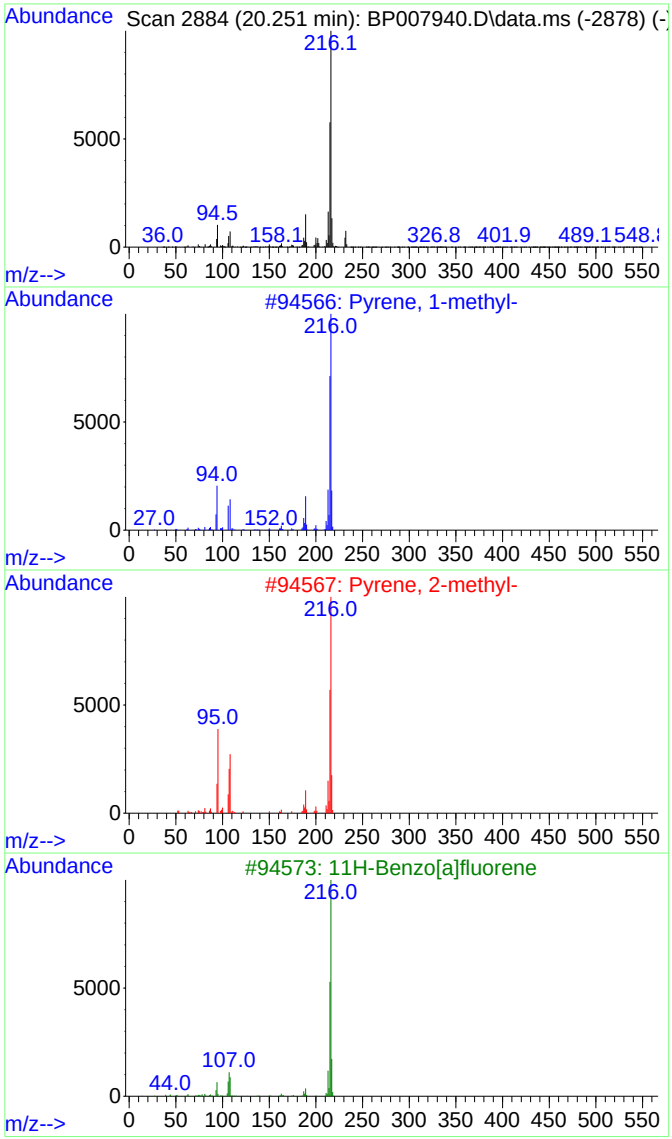
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

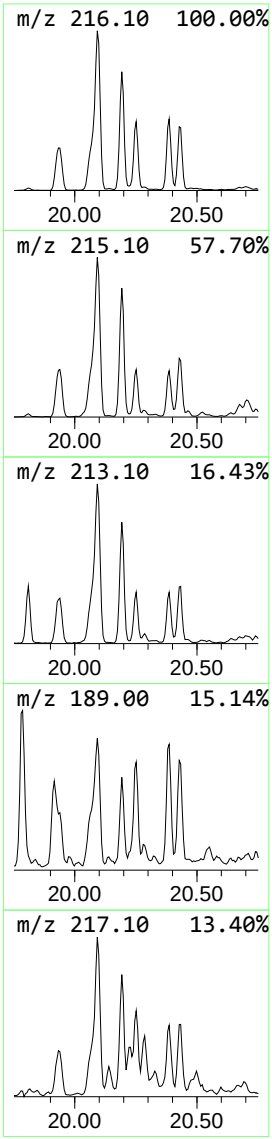
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.251	2.18 ng	1005590	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

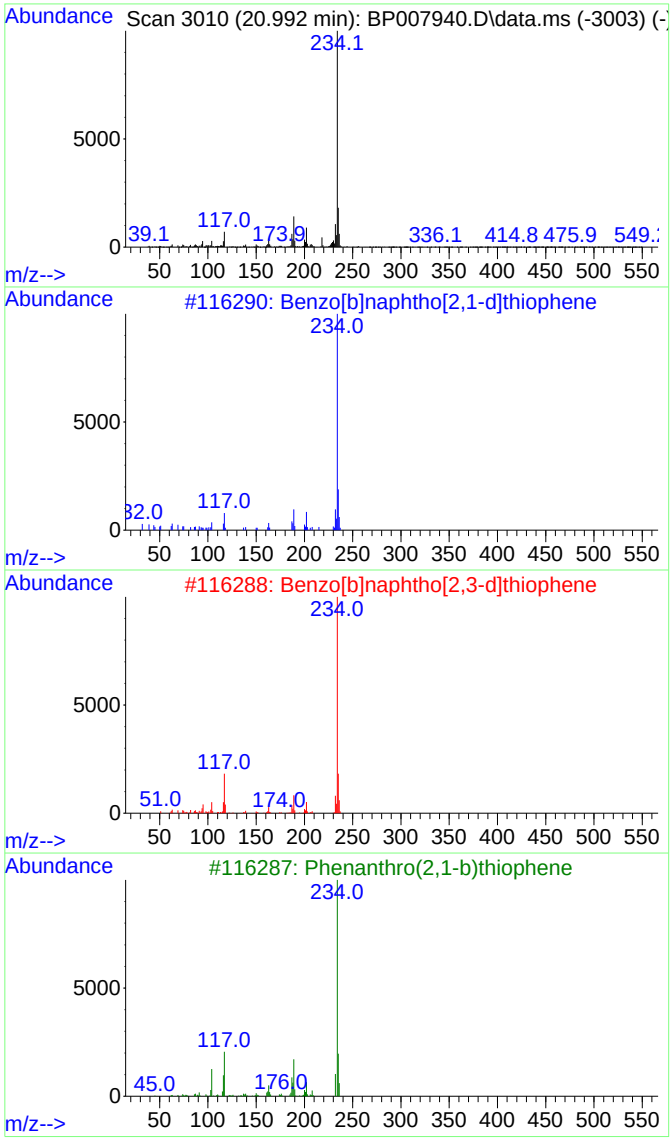
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

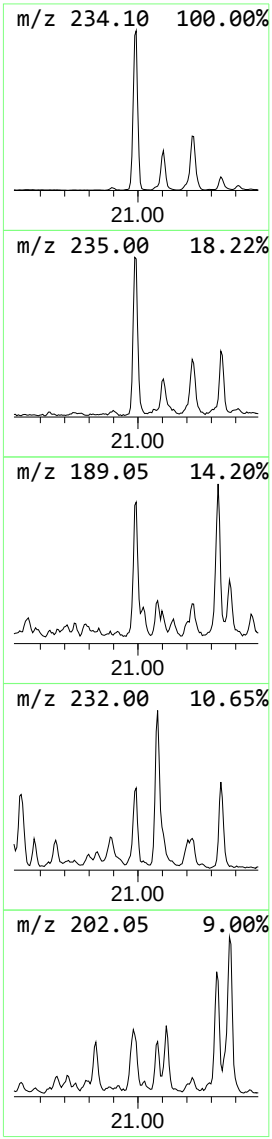
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.992	2.30 ng	1060920	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	89
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

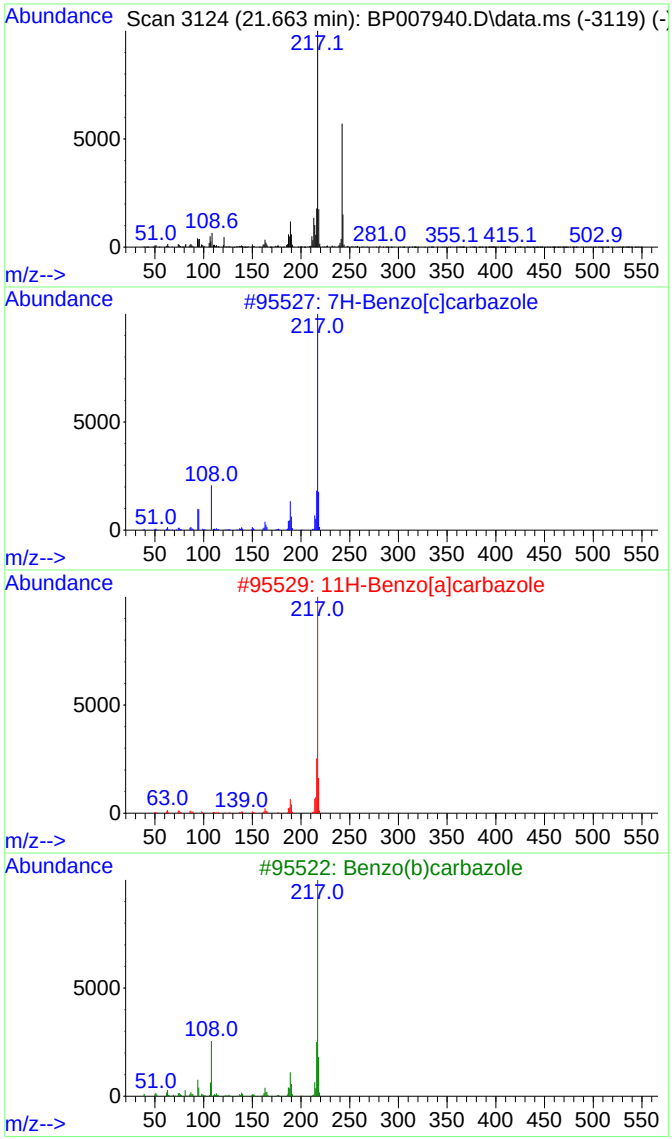
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

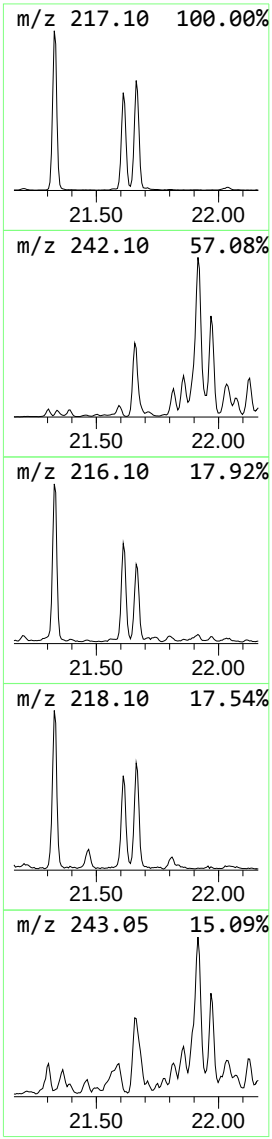
****

Peak Number 16 7H-Benzo[c]carbazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.663	2.51 ng	1156940	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	92
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	83
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	78
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	60
5	3-Fluoranthenamine	217	C16H11N	002693-46-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

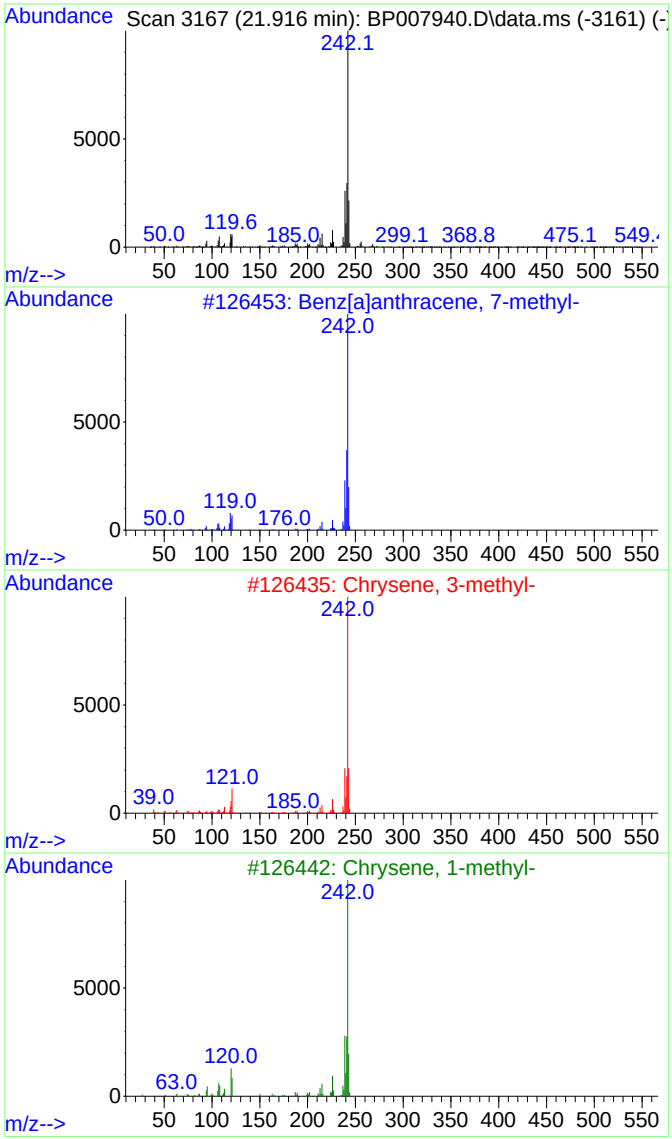
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

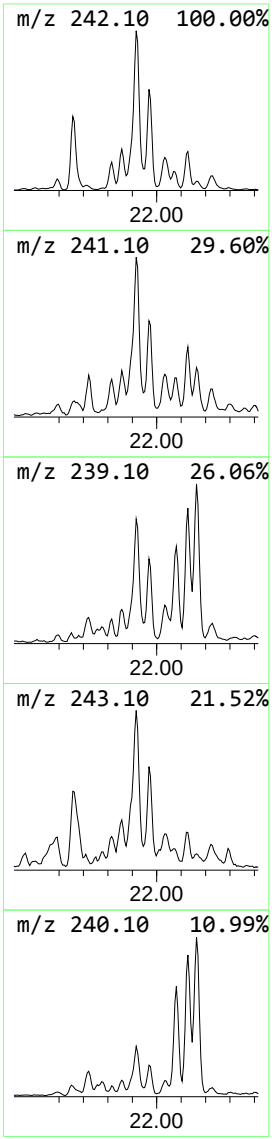
****

Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.916	2.50 ng	1155610	Chrysene-d12	21.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	97
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	95
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

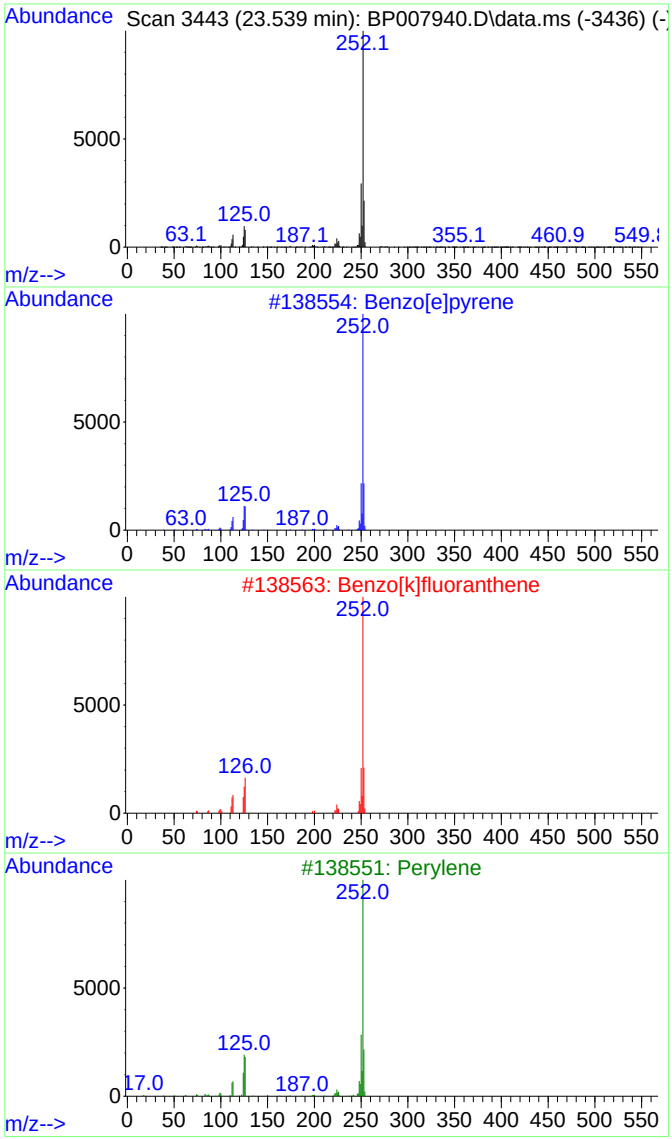
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

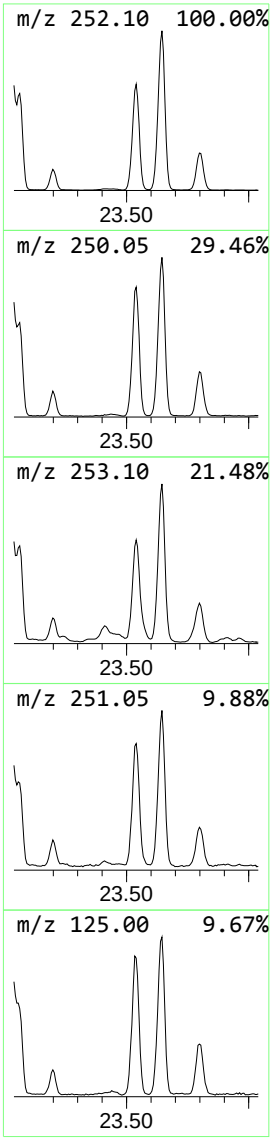
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.539	33.61 ng	4151380	Perylene-d12	23.745

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
Data File : BP007940.D
Acq On : 11 Nov 2021 02:44
Operator : CG/JU
Sample : M4602-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.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
Ethanol, 2-(2-b...	10.434	5.8	ng	260447	2	10.652	898563	20.0
Anthracene, 1,2...	16.998	3.4	ng	258156	4	17.245	1501580	20.0
Dibenzothiophene	17.063	2.5	ng	191289	4	17.245	1501580	20.0
Phenanthrene, 2...	18.116	6.6	ng	496858	4	17.245	1501580	20.0
Phenanthrene, 1...	18.157	11.3	ng	846053	4	17.245	1501580	20.0
Anthracene, 1-m...	18.239	3.7	ng	276224	4	17.245	1501580	20.0
4H-Cyclopenta[d...	18.304	12.9	ng	972199	4	17.245	1501580	20.0
Anthracene, 2-m...	18.339	4.5	ng	334381	4	17.245	1501580	20.0
Naphthalene, 2-...	18.598	4.5	ng	339975	4	17.245	1501580	20.0
Phenanthrene, 2...	19.004	2.8	ng	206441	4	17.245	1501580	20.0
1,1,4a-Trimethy...	19.139	2.6	ng	195713	4	17.245	1501580	20.0
11H-Benzo[b]flu...	20.092	6.3	ng	2913230	5	21.339	9230000	20.0
Fluoranthene, 2...	20.192	3.1	ng	1411990	5	21.339	9230000	20.0
Pyrene, 1-methyl-	20.251	2.2	ng	1005590	5	21.339	9230000	20.0
Benzo[b]naphtho...	20.992	2.3	ng	1060920	5	21.339	9230000	20.0
7H-Benzo[c]carb...	21.663	2.5	ng	1156940	5	21.339	9230000	20.0
Benz[a]anthrace...	21.916	2.5	ng	1155610	5	21.339	9230000	20.0
Benzo[e]pyrene	23.539	33.6	ng	4151380	6	23.745	2470360	20.0