LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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\8270-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.952	24	28	39	rVB	208780	257276	2.96%	0.270%
2	4.805	338	343	352	rVB	152348	220926	2.54%	0.232%
3	5.264	415	421	432	rBV	668702	973103	11.20%	1.020%
4	6.834	680	688	702	rBV	725114	1166111	13.42%	1.222%
5	7.181	740	747	762	rVB	706385	1120841	12.90%	1.175%
6	7.634	818	824	836	rVB	197413	310581	3.57%	0.326%
7	7.958	871	879	886	rBV	551118	891110	10.26%	0.934%
8	8.787	1012	1020	1031	rBV	430048	727287	8.37%	0.762%
9	10.410	1287	1296	1303	rBV	219921	380314	4.38%	0.399%
10	12.904	1712	1720	1730	rBV	1029773	1458564	16.79%	1.529%
11	13.751	1855	1864	1872	rBV2	83630	146504	1.69%	0.154%
12	14.004	1897	1907	1926	rBV	663400	1186585	13.66%	1.244%
13	14.287	1949	1955	1962	rBV	330951	480931	5.53%	0.504%
14	15.787	2199	2210	2222	rBV	775230	1177985	13.56%	1.235%
15	16.869	2386	2394	2404	rVB	49733	99233	1.14%	0.104%
16	17.051	2419	2425	2428	rBV	392035	550310	6.33%	0.577%
17	17.092	2428	2432	2438	rVV	798275	1079944	12.43%	1.132%
18	17.186	2439	2448	2454	rVV	985720	1382541	15.91%	1.449%
19	17.928	2569	2574	2578	rBV	106947	143734	1.65%	0.151%
20	17.975	2578	2582	2589	rVB	191140	274878	3.16%	0.288%
21	18.051	2590	2595	2600	rVV	128561	181361	2.09%	0.190%
22	18.116	2600	2606	2610	rVV2	479413	753977	8.68%	0.790%
23	18.151	2610	2612	2619	rVB2	105833	130725	1.50%	0.137%
24	18.416	2653	2657	2661	rVV	179978	212459	2.45%	0.223%
25	18.828	2722	2727	2733	rBV3	108557	195991	2.26%	0.205%
26	18.963	2745	2750	2757	rVB	221929	336169	3.87%	0.352%
27	19.092	2764	2772	2777	rBV	5651228	8467958	97.46%	8.877%
28	19.175	2779	2786	2790	rVB2	97994	172760	1.99%	0.181%
29	19.228	2790	2795	2799	rBV	348155	453267	5.22%	0.475%
30	19.310	2804	2809	2813	rBV2	221566	334187	3.85%	0.350%
31	19.445	2821	2832	2838	rBV	5196792	8689037	100.00%	9.108%
32	19.504	2838	2842	2850	rVB2	140335	233421	2.69%	0.245%
33	19.610	2856	2860	2861	rBV	258674	283117	3.26%	0.297%
34	19.639	2861	2865	2868	rVV	1205479	1407042	16.19%	1.475%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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\8270-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.763	2878	2886	2890	rBV3	245247	605542	6.97%	0.635%
36	19.798	2890	2892	2896	rVB	88462	98421	1.13%	0.103%
37	19.886	2897	2907	2908	rBV5	243472	421859	4.86%	0.442%
38	19.916	2909	2912	2917	rVB	556893	751494	8.65%	0.788%
39	20.016	2925	2929	2933	rBV	449274	549920	6.33%	0.576%
40	20.075	2933	2939	2943	rVV2	332965	531681	6.12%	0.557%
41	20.163	2949	2954	2958	rBV4	76911	169499	1.95%	0.178%
42	20.210	2958	2962	2965	rVV	179703	232690	2.68%	0.244%
43	20.251	2965	2969	2974	rVV2	180473	272384	3.13%	0.286%
44	20.463	3001	3005	3008	rBV4	69929	115447	1.33%	0.121%
45	20.610	3026	3030	3032	rBV2	84118	117402	1.35%	0.123%
46	20.645	3033	3036	3044	rVB2	323513	482451	5.55%	0.506%
47	20.810	3059	3064	3068	rBV	704619	998389	11.49%	1.047%
48	20.851	3068	3071	3074	rVV	513735	615330	7.08%	0.645%
49	20.886	3074	3077	3083	rVV2	680207	1335396	15.37%	1.400%
50	20.945	3084	3087	3096	rVB	425030	563238	6.48%	0.590%
51	21.045	3097	3104	3110	rBV	224285	459568	5.29%	0.482%
52	21.157	3114	3123	3127	rVV2	4309062	7290140	83.90%	7.642%
53	21.210	3127	3132	3140	rVB	3440313	5115471	58.87%	5.362%
54	21.316	3146	3150	3154	rBV	550124	765547	8.81%	0.803%
55	21.363	3154	3158	3163	rVV	417337	600612	6.91%	0.630%
56	21.422	3164	3168	3171	rVB	261278	355917	4.10%	0.373%
57	21.469	3171	3176	3181	rBV2	515102	714667	8.22%	0.749%
58	21.710	3210	3217	3221	rVV	330774	588876	6.78%	0.617%
59	21.763	3222	3226	3231	rVB	210943	316461	3.64%	0.332%
60	21.863	3240	3243	3246	rVB2	124284	149325	1.72%	0.157%
61	21.910	3246	3251	3253	rVV	278385	425935	4.90%	0.446%
62	21.939	3253	3256	3262	rVB3	326858	460402	5.30%	0.483%
63	22.010	3263	3268	3277	rVB4	196829	393007	4.52%	0.412%
64	22.204	3297	3301	3303	rBV	127230	183991	2.12%	0.193%
65	22.486	3343	3349	3359	rVB2	285199	596577	6.87%	0.625%
66	22.763	3385	3396	3400	rBV	3226589	8615465	99.15%	9.031%
67	22.916	3416	3422	3428	rVB	703527	1159424	13.34%	1.215%
68	23.045	3439	3444	3452	rBV3	215218	586952	6.76%	0.615%
69	23.233	3468	3476	3484	rVB2	1813797	3998716	46.02%	4.192%
70	23.339	3484	3494	3499	rVV	2868322	5892818	67.82%	6.177%
71	23.416	3503	3507	3510	rVV	261696	504966	5.81%	0.529%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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\8270-BP010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	23.469	3510	3516	3524	rVB	1066225	2114105	24.33%	2.216%
73	24.274	3649	3653	3667	rVB	178456	434660	5.00%	0.456%
74	25.715	3885	3898	3905	rVB	1407689	4642017	53.42%	4.866%
75	25.951	3932	3938	3946	rVB2	231405	588272	6.77%	0.617%
76	26.415	4004	4017	4029	rVB	957437	3471079	39.95%	3.639%
77	26.751	4067	4074	4092	rVB4	347997	1228512	14.14%	1.288%

Sum of corrected areas: 95394854

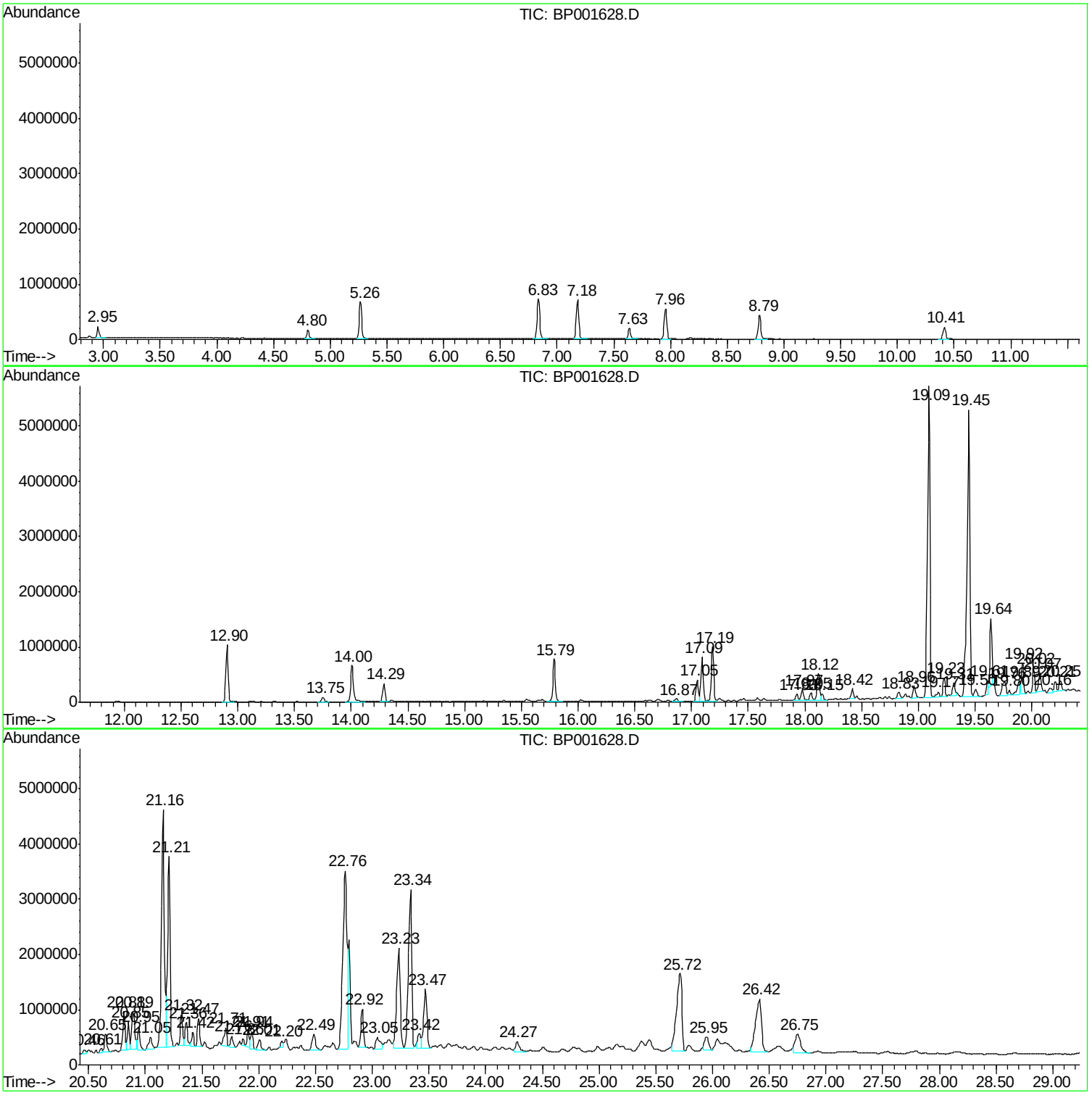
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

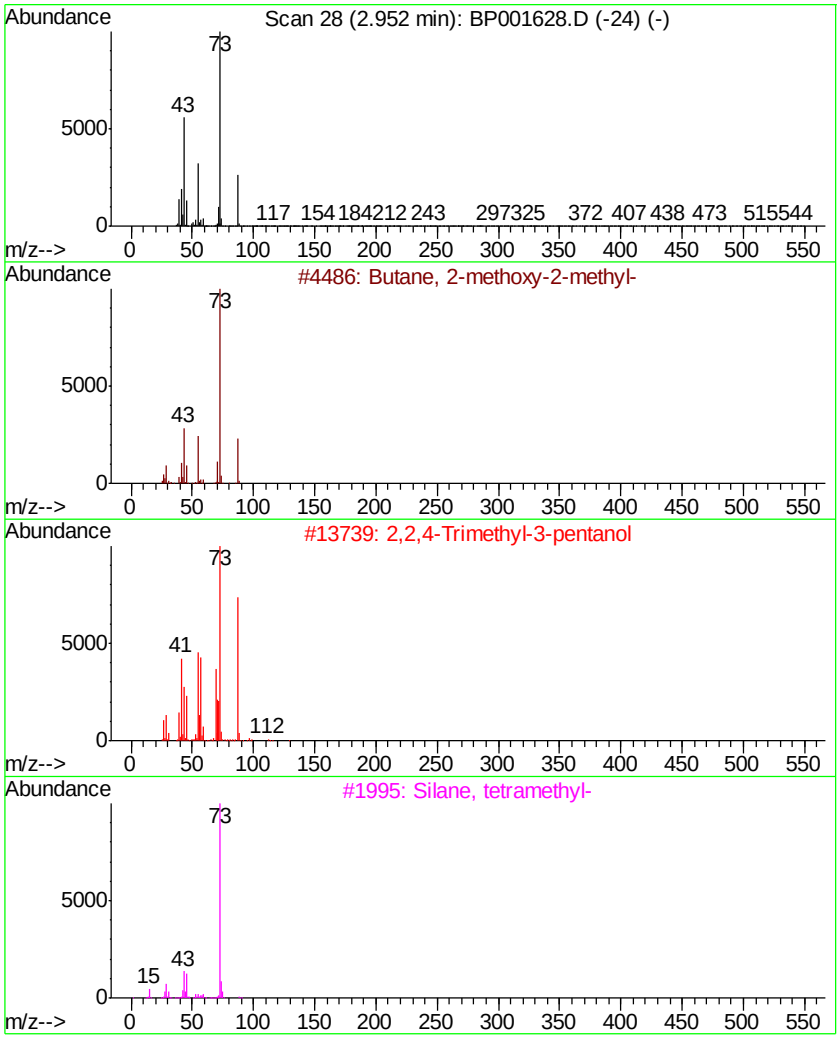
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

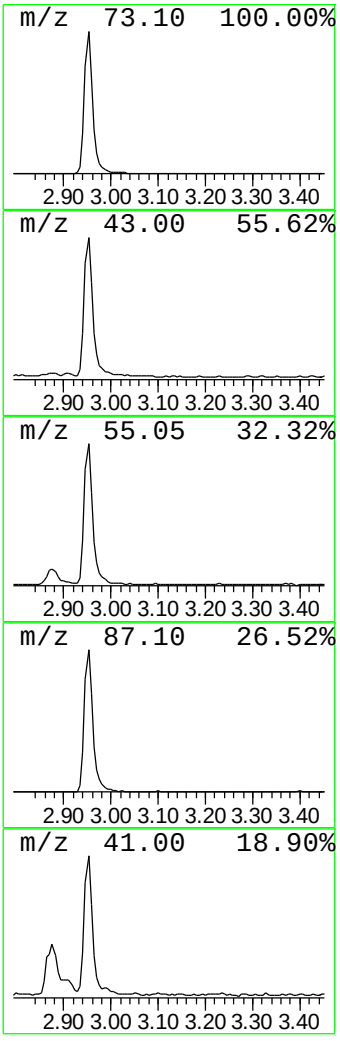
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	16.57 ng	257276	1,4-Dichlorobenzene-d4	7.63

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	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	23
5	4-Penten-2-ol, acetate	128	C7H12O2	1000352-31-5	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

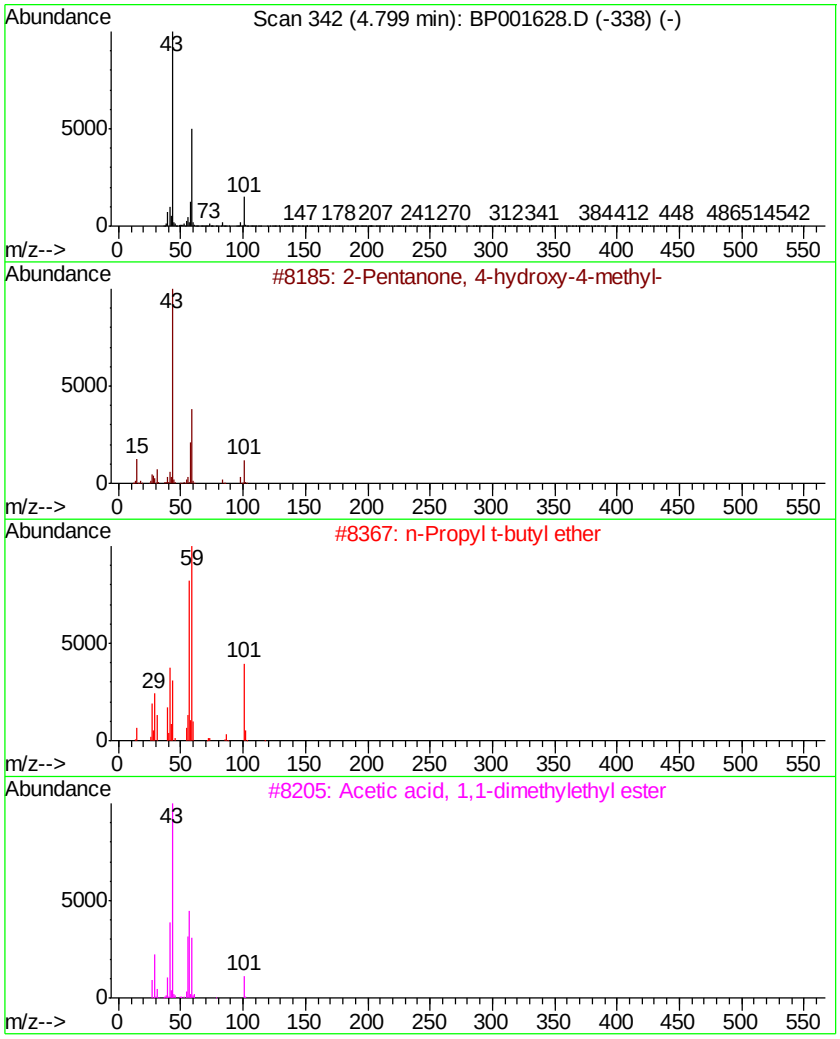
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

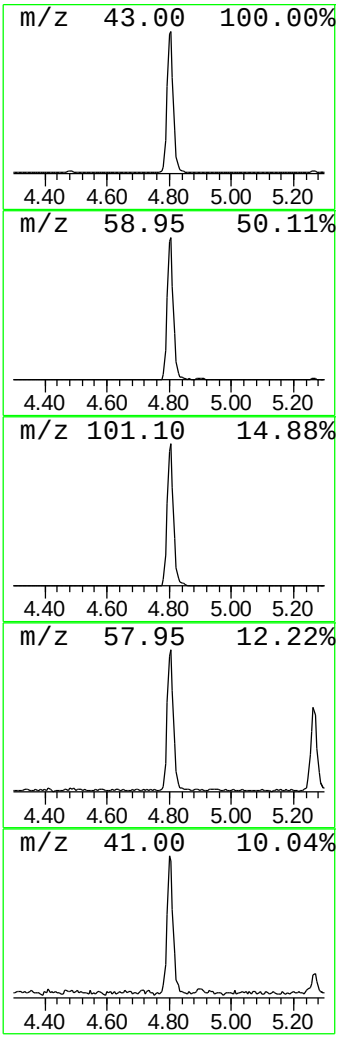
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	14.23 ng	220926	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	1,3-Dioxolane, 2,2,4-trimethyl-	116	C6H12O2	001193-11-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

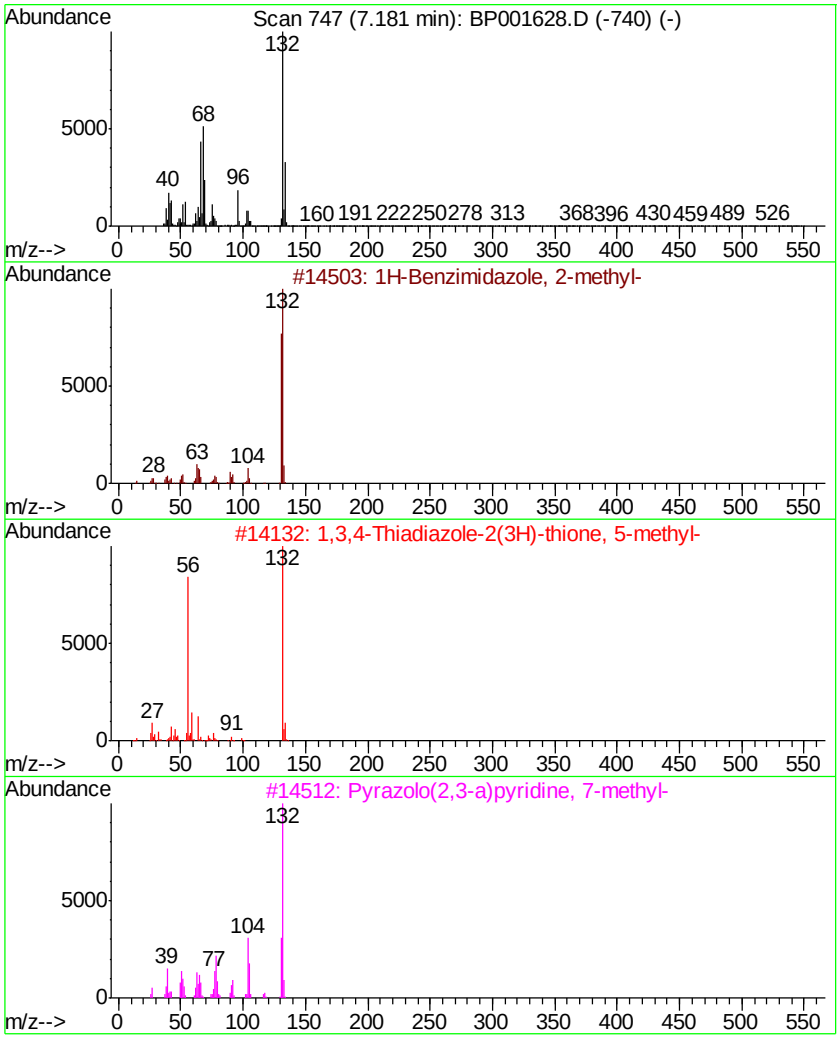
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

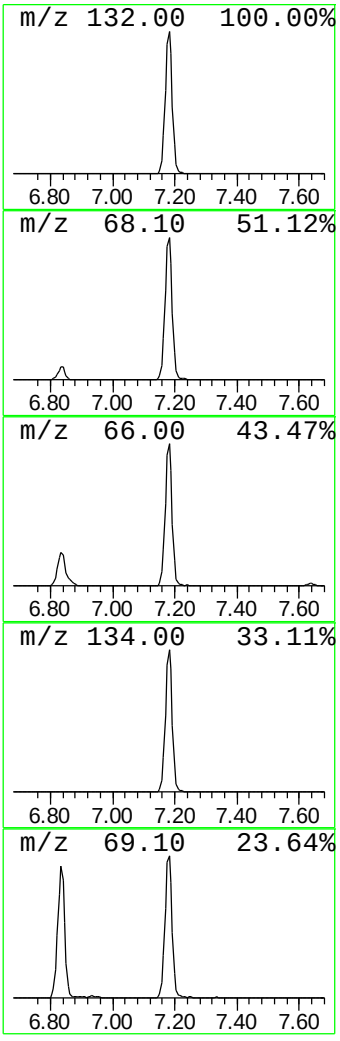
****

Peak Number 3 unknown7.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	72.18 ng	1120840	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
3	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	14
4	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

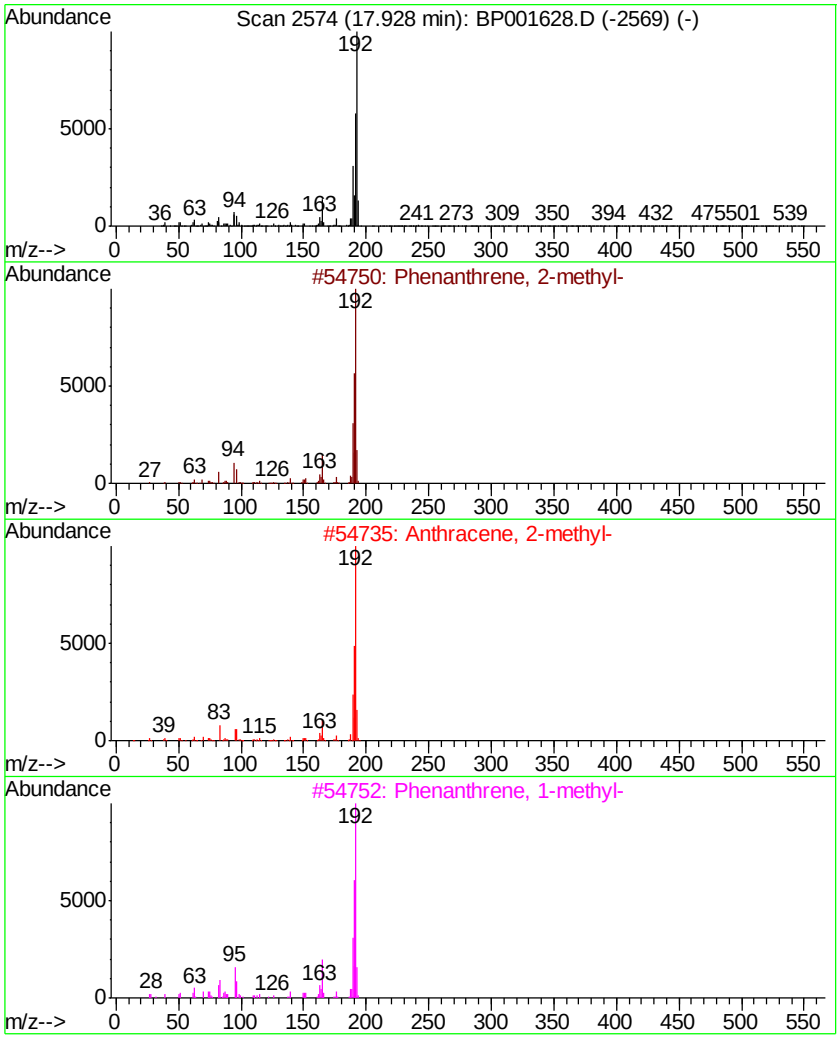
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

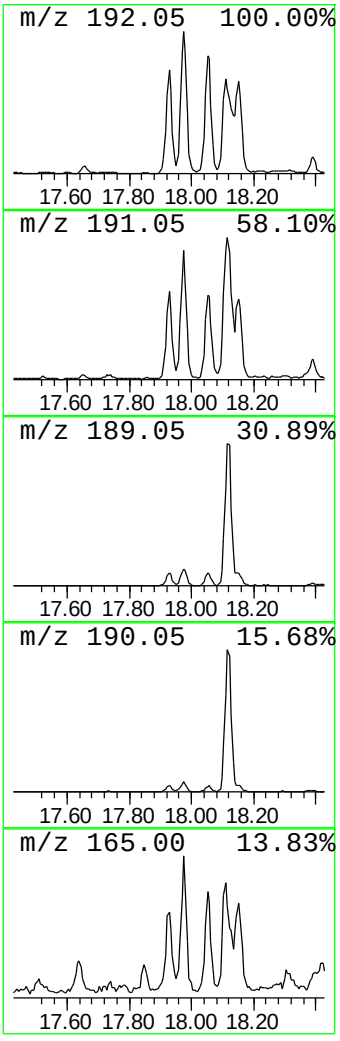
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	5.22 ng	143734	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

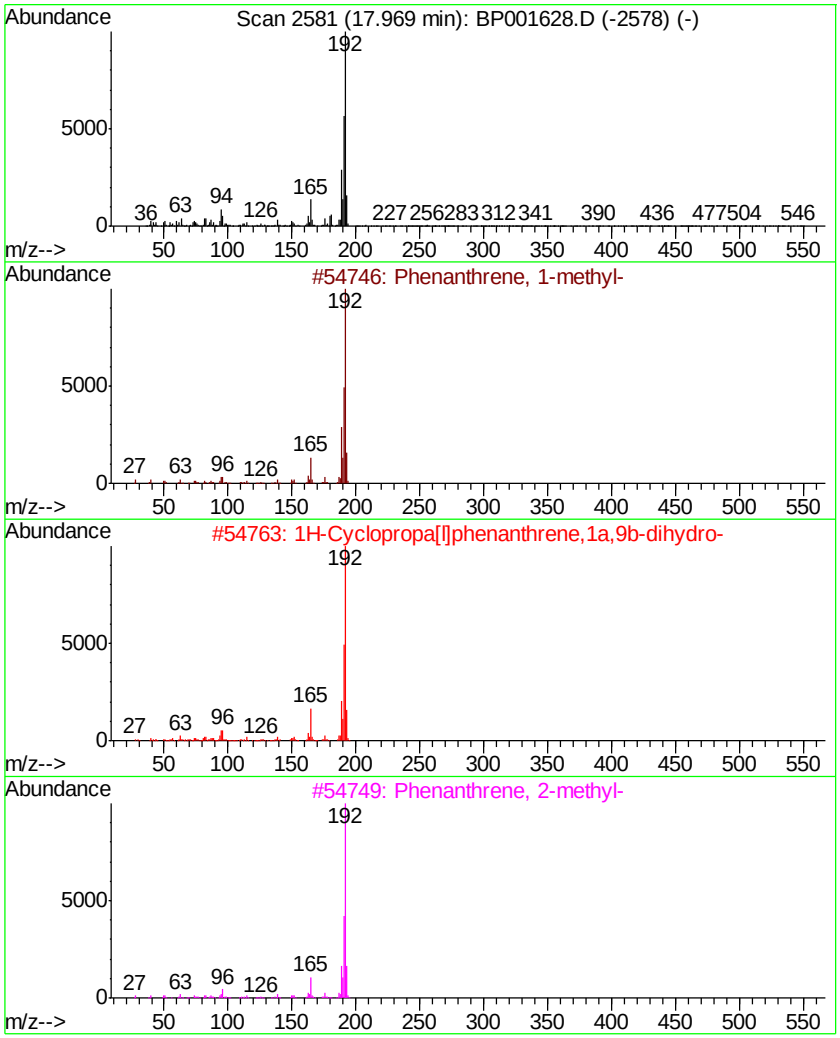
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

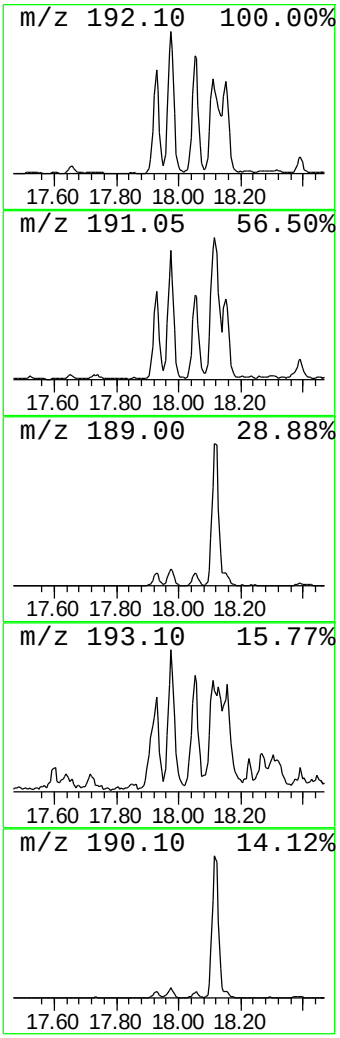
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	9.99 ng	274878	Phenanthrene-d10	17.05

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

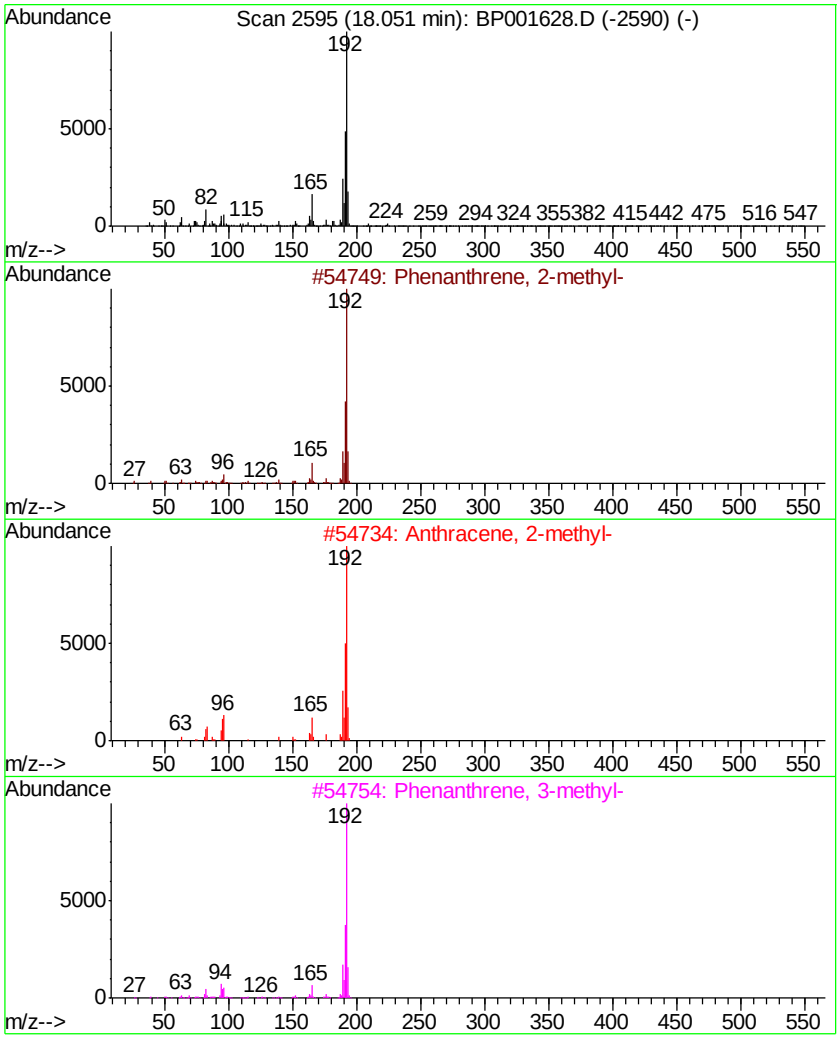
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

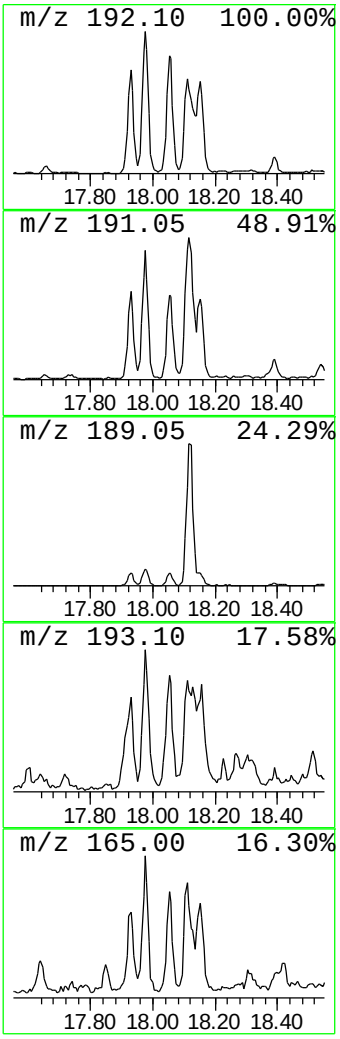
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	6.59 ng	181361	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

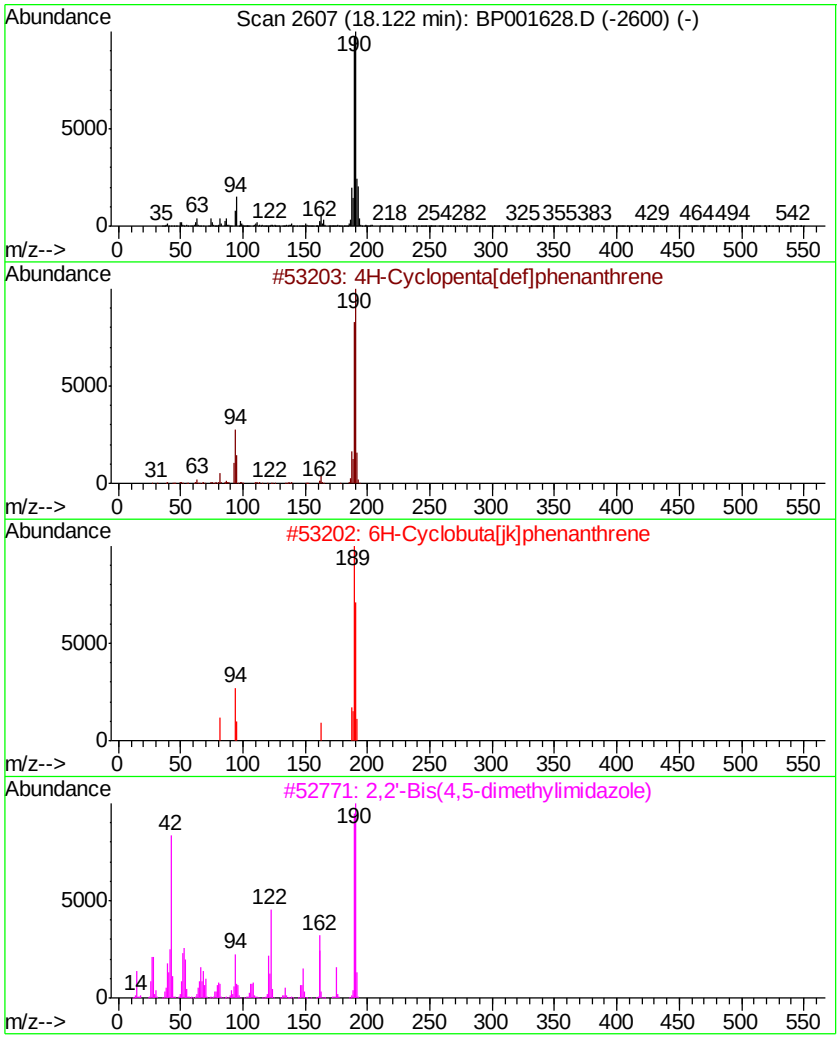
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

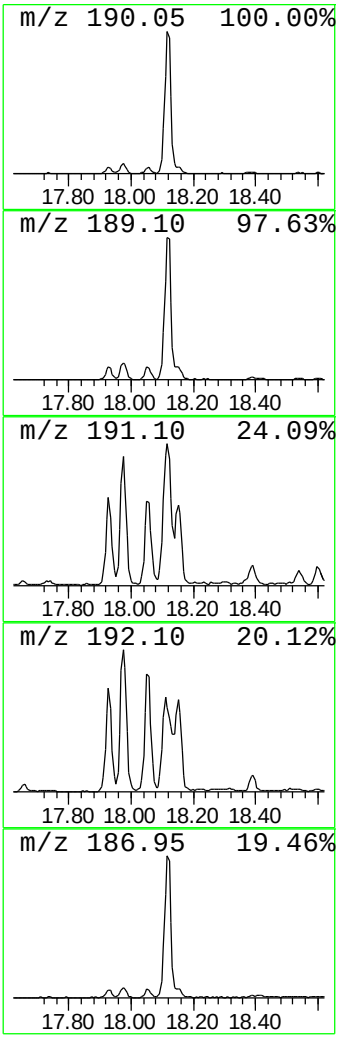
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	27.40 ng	753977	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Library Search Compound Report

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Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

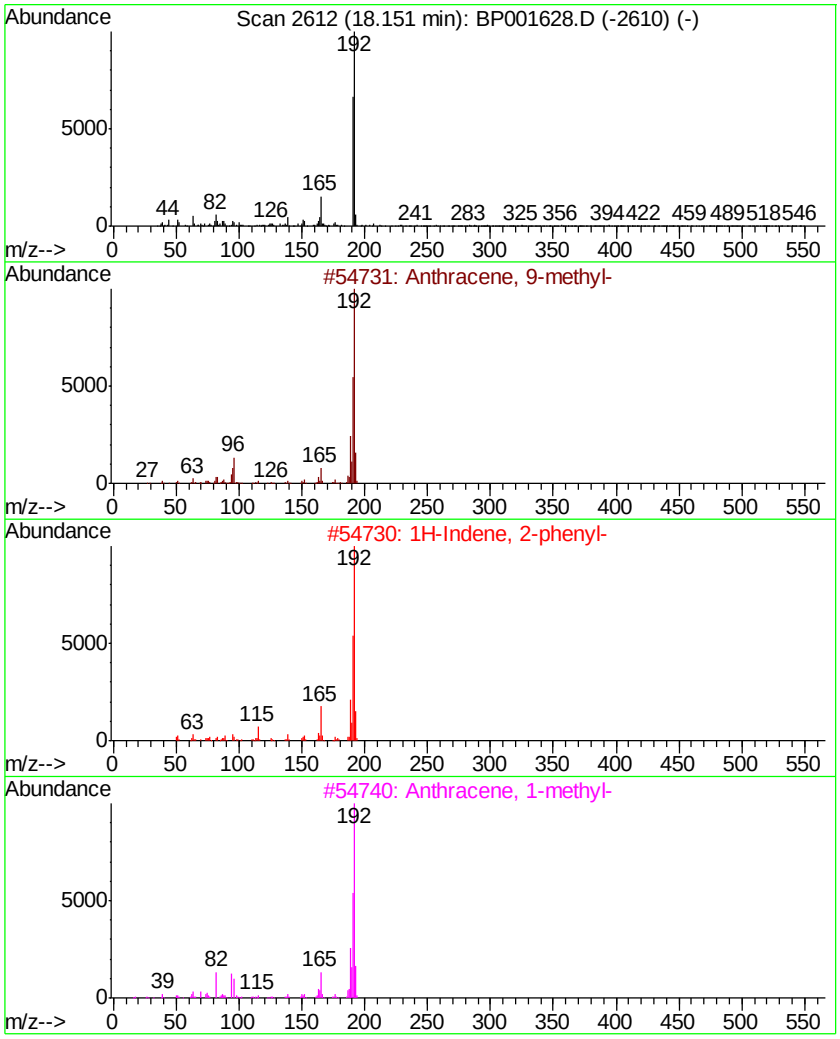
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

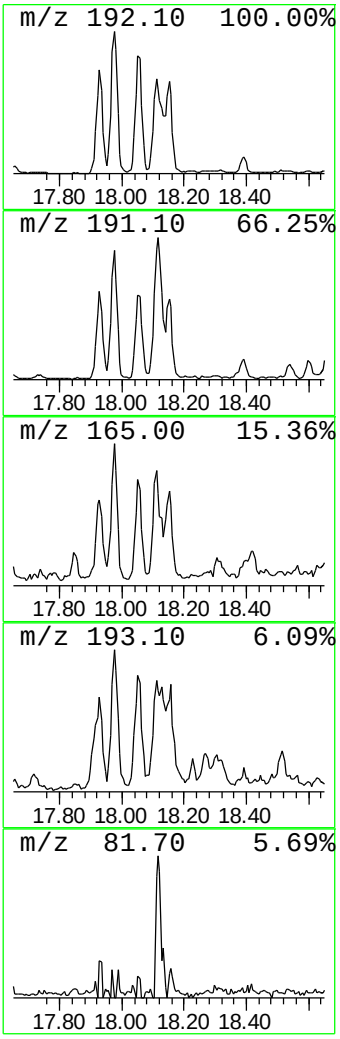
****

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	4.75 ng	130725	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72





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Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

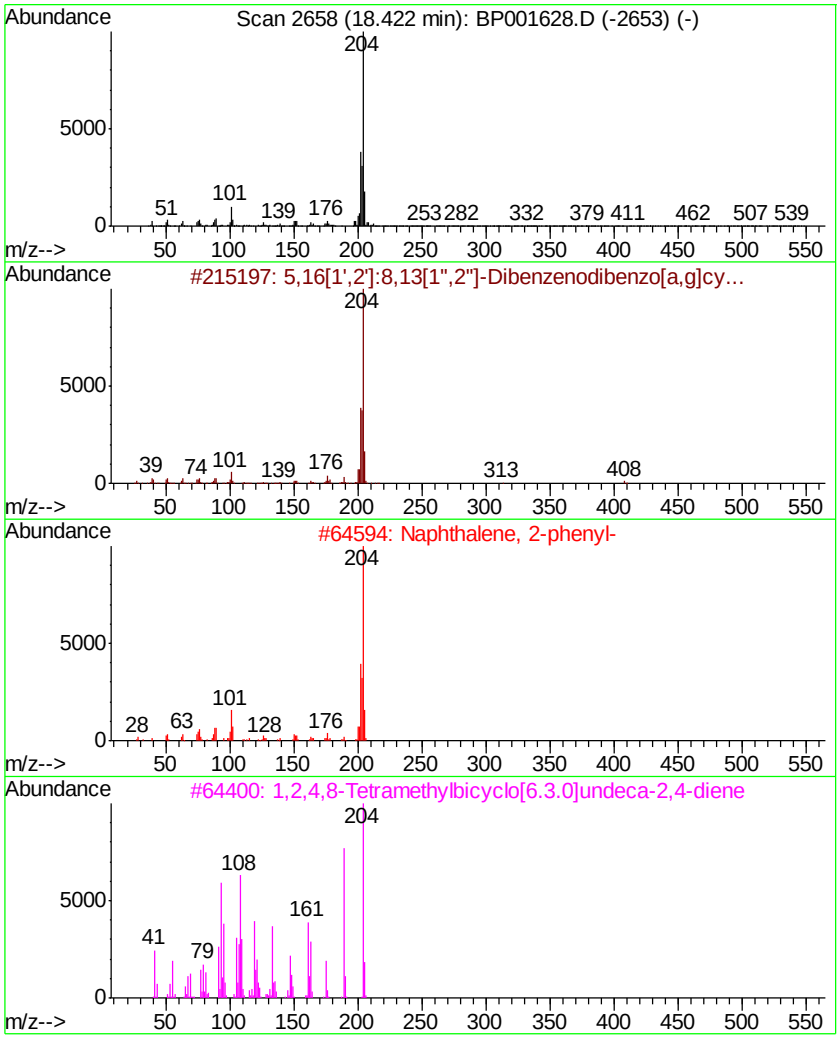
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

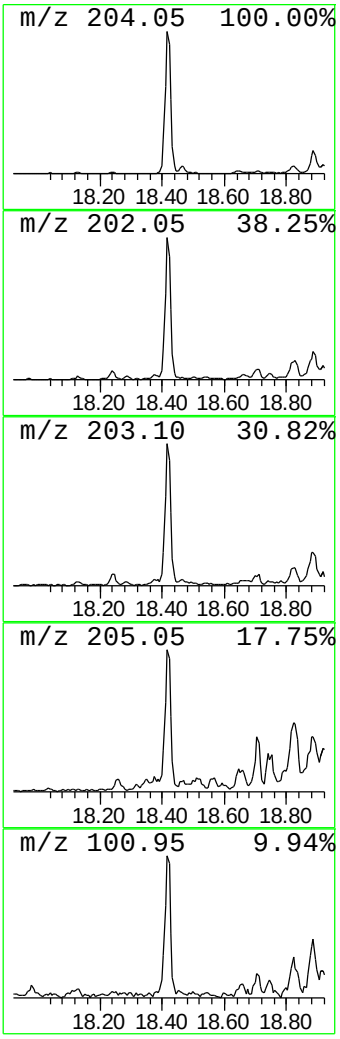
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	7.72 ng	212459	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49





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Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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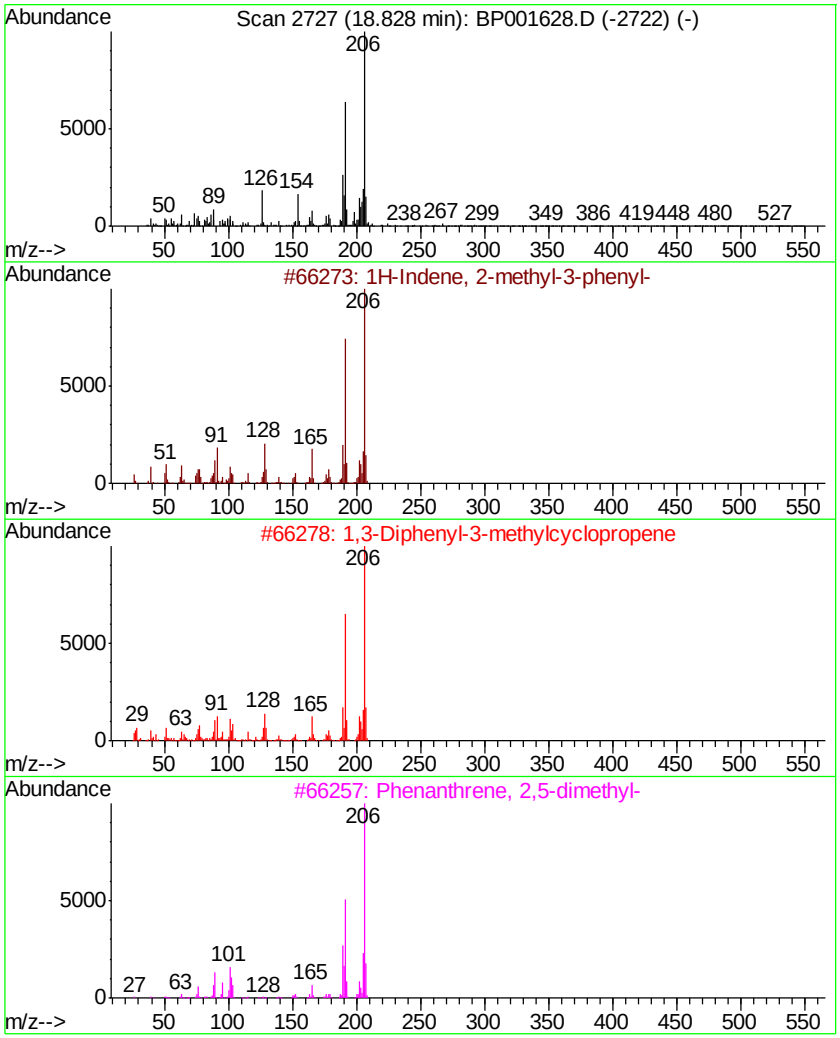
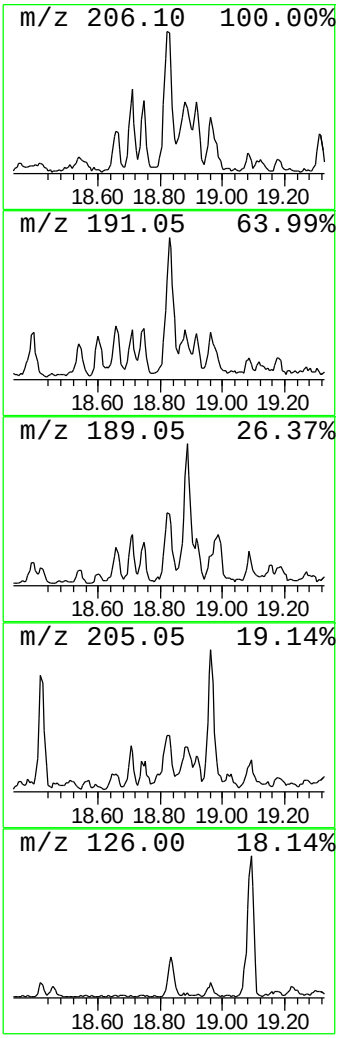
Peak Number 11 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	7.12 ng	195991	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	93
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89





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Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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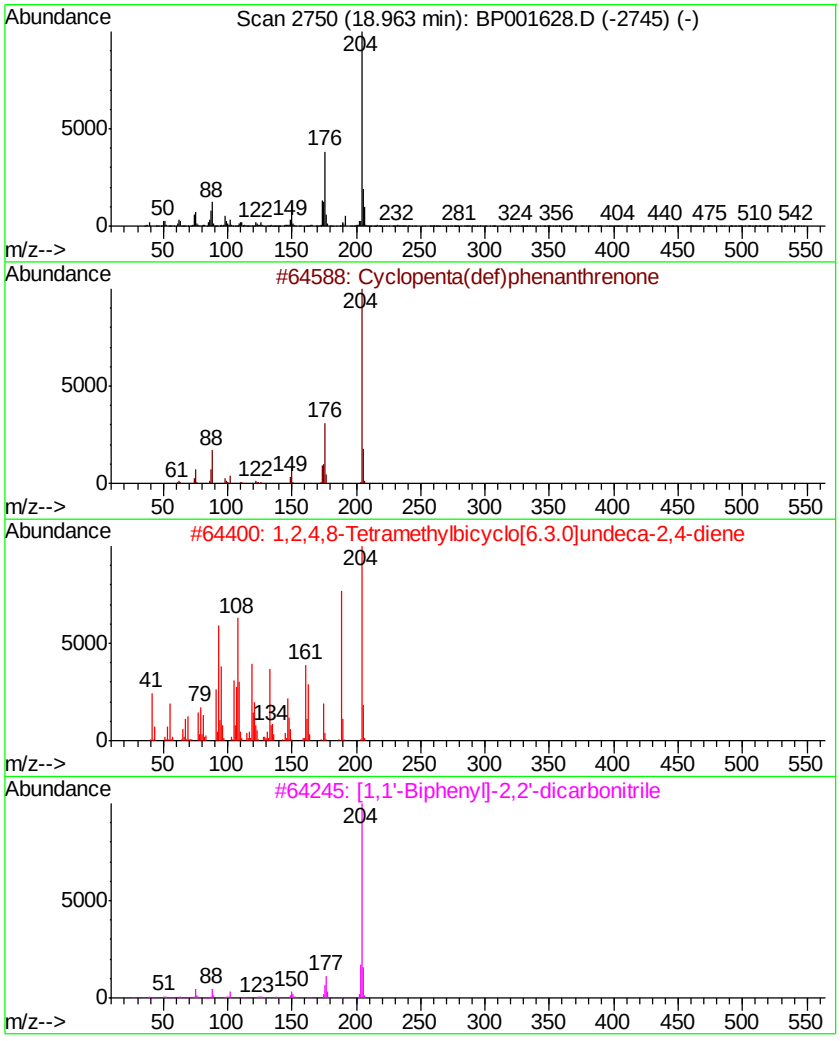
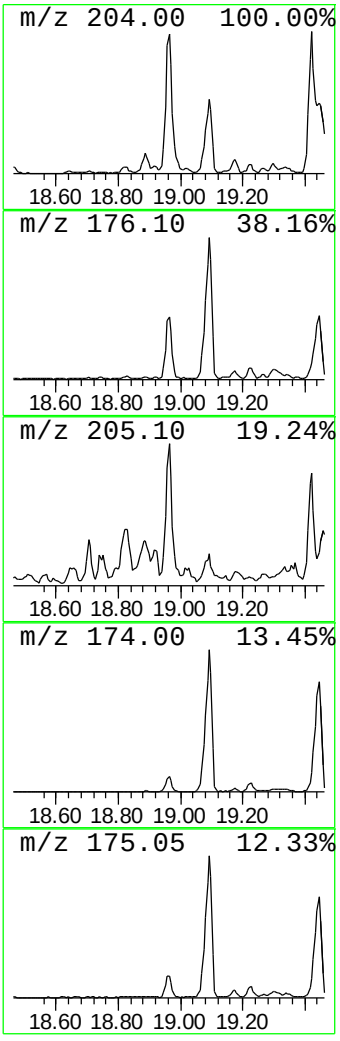
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	12.22 ng	336169	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43





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Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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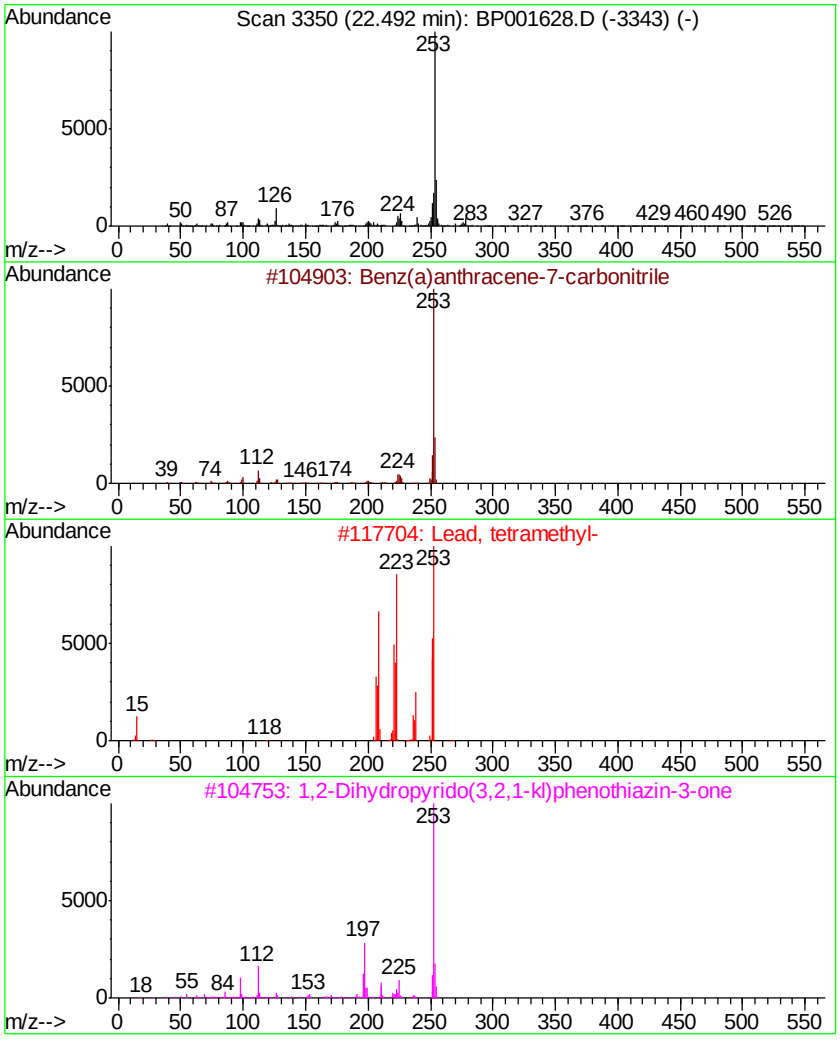
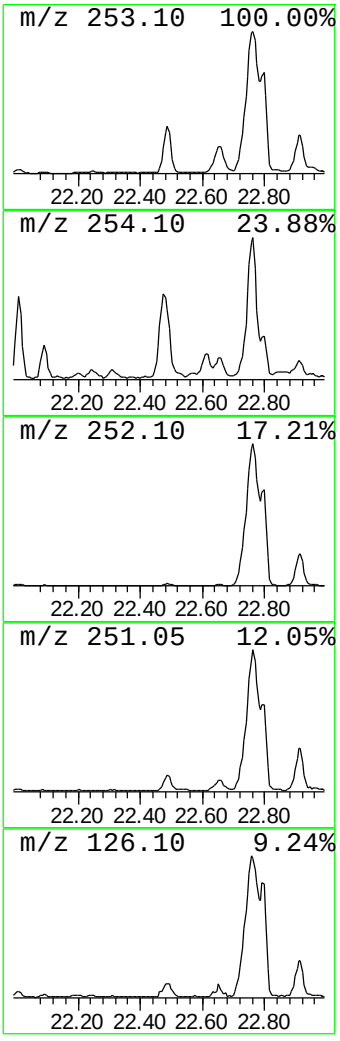
Peak Number 13 Benz(a)anthracene-7-carboni... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.49	23.63 ng	596577	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	76
2	Lead, tetramethyl-	268	C4H12Pb	000075-74-1	53
3	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	50
4	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
5	Ethyl 4-(5-methyl-1,1-dioxido-4-...	373	C19H19NO5S	1000294-64-6	40





Library Search Compound Report

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Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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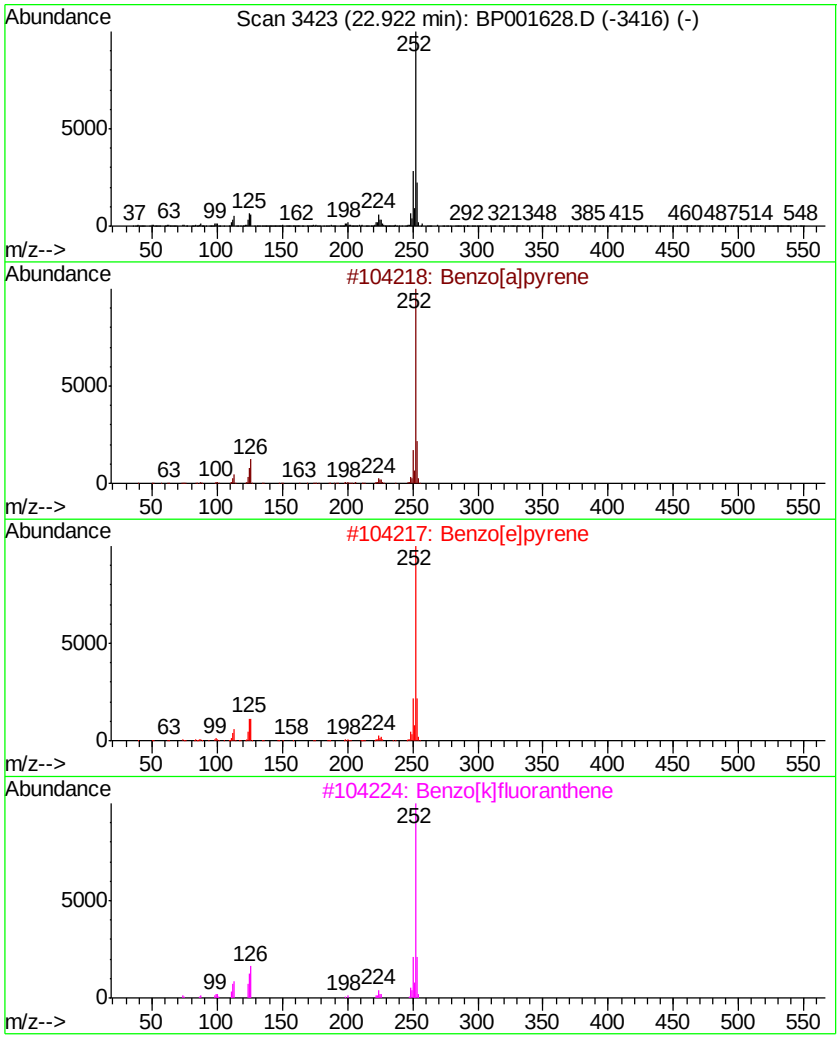
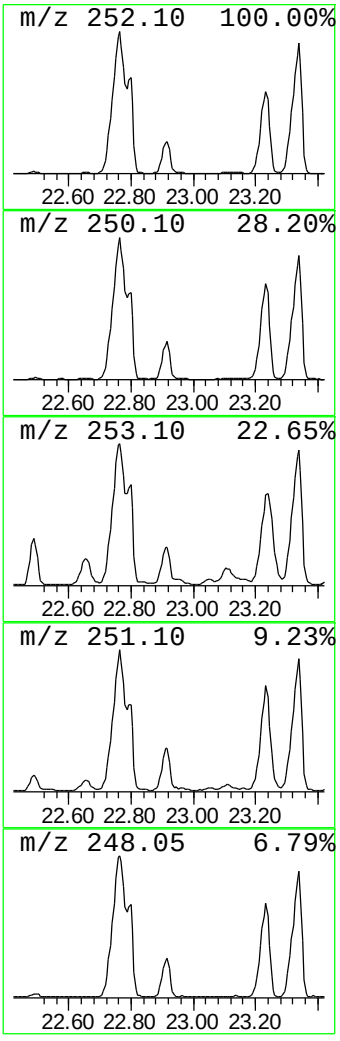
Peak Number 14 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	45.92 ng	1159420	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	91
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	83
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





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Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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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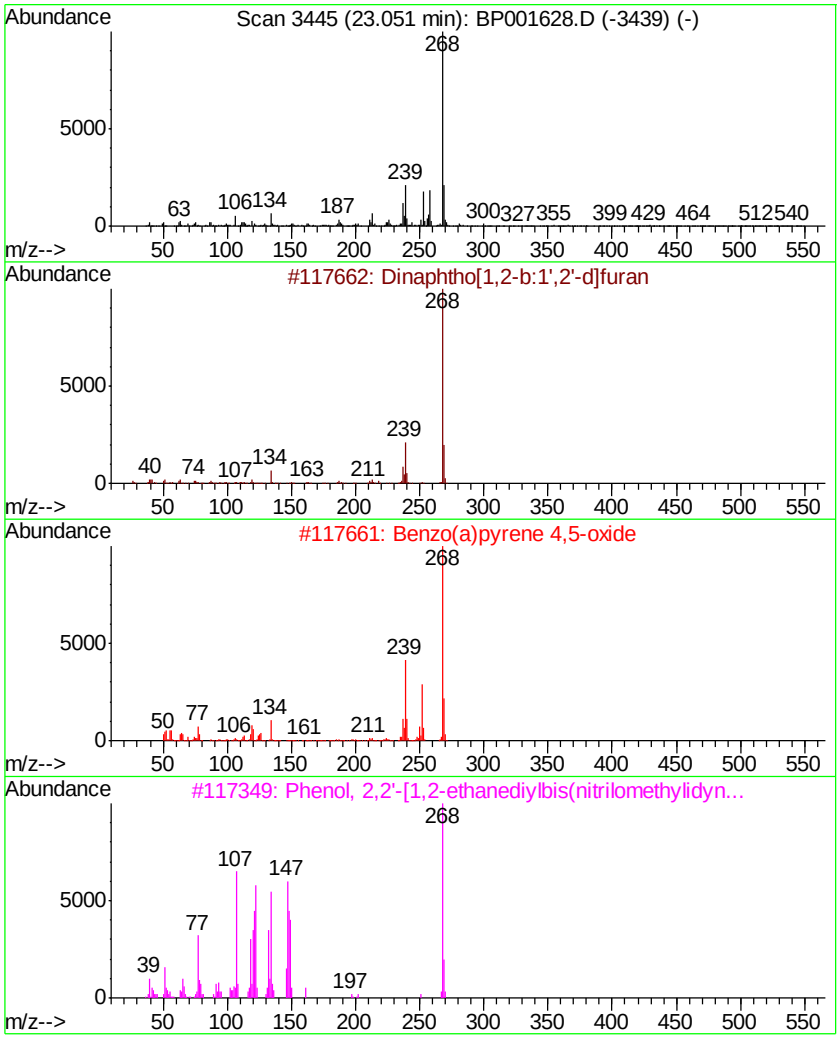
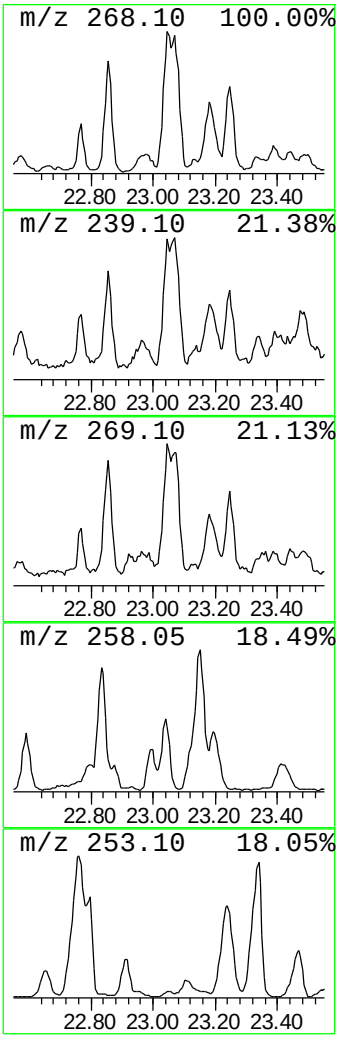
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.05	23.25 ng	586952	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	55
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	52





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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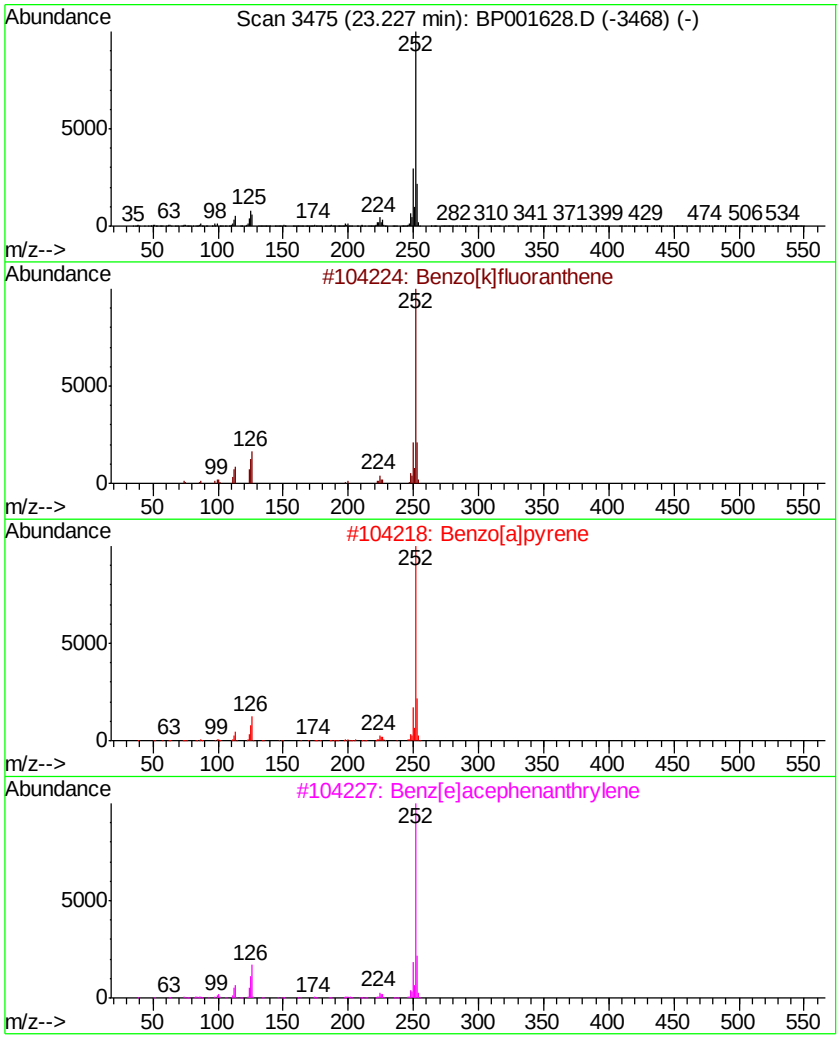
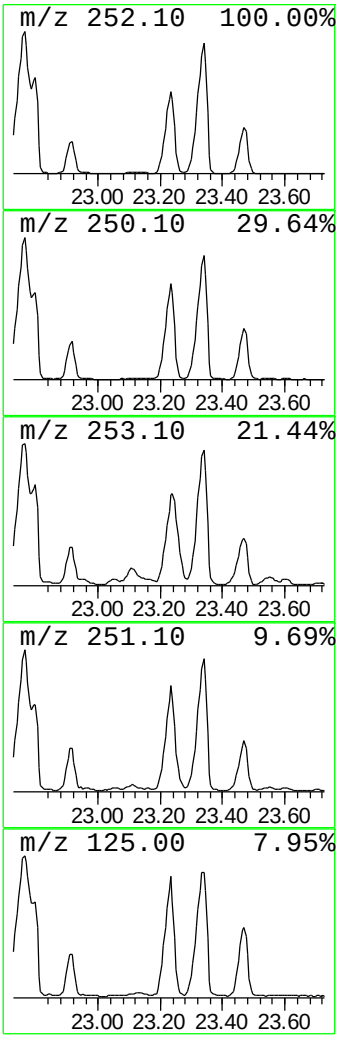
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.23	158.38 ng	3998720	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	91
5	Perylene	252	C20H12	000198-55-0	90





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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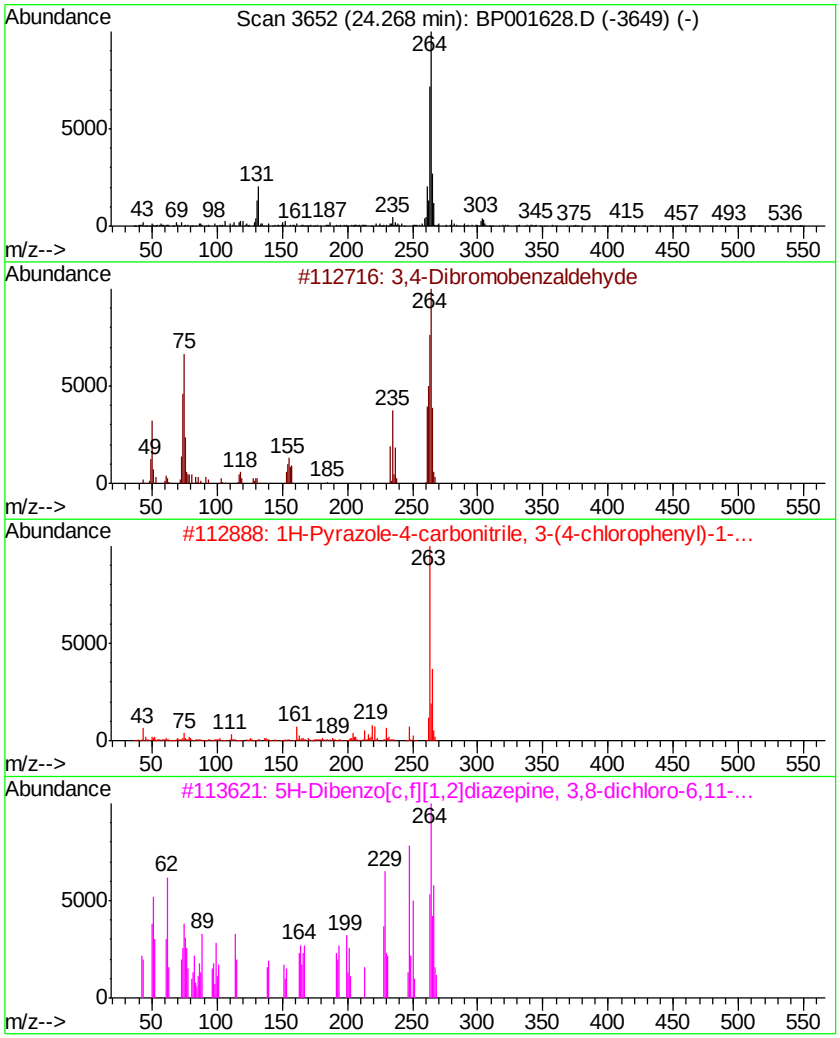
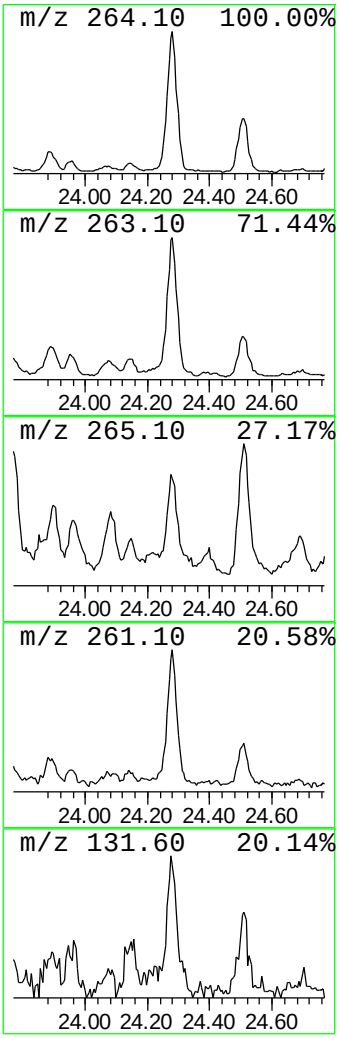
Peak Number 18 3,4-Dibromobenzaldehyde Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.27	17.22 ng	434660	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	72
2	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	43
3	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	38
4	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
5	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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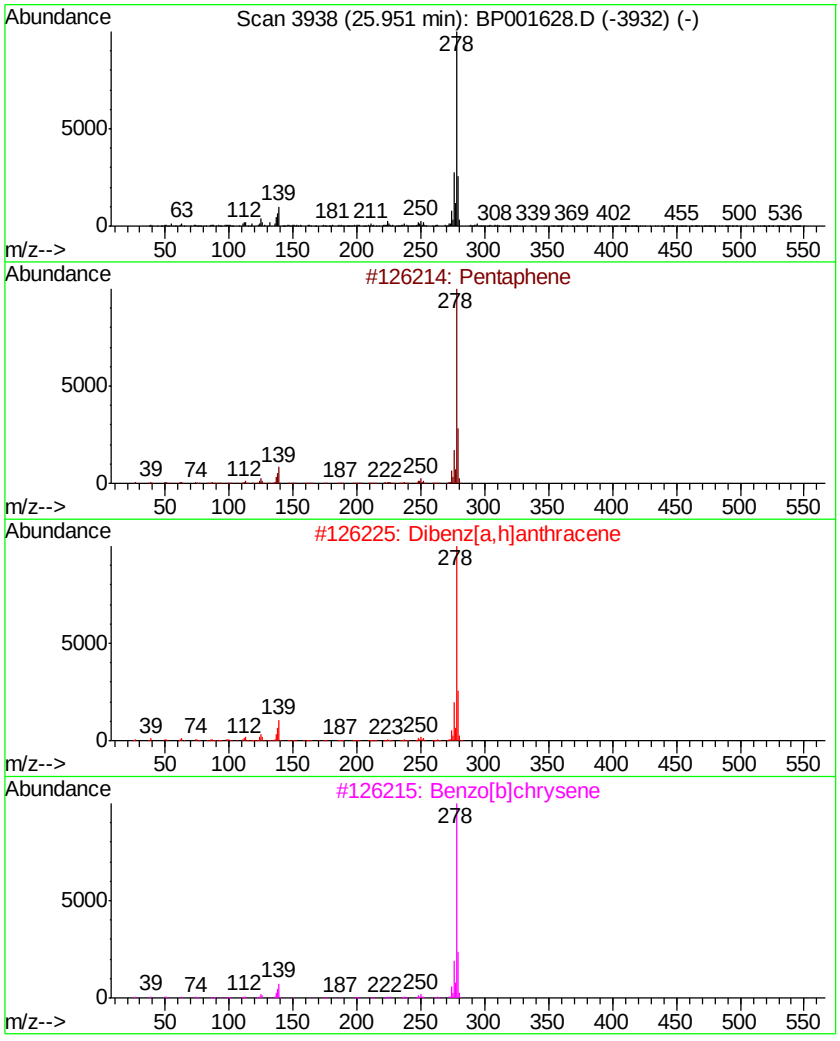
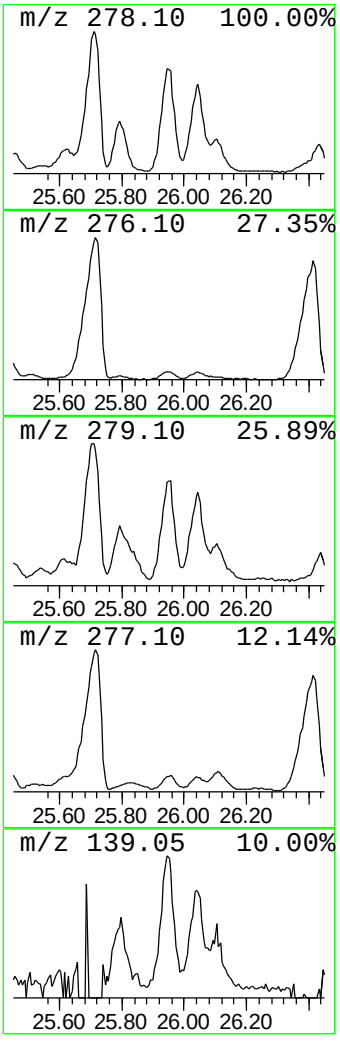
Peak Number 19 Pentaphene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.95	23.30 ng	588272	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	98
4	Picene	278	C22H14	000213-46-7	96
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP011520\
Data File : BP001628.D
Acq On : 16 Jan 2020 01:50
Operator : JU
Sample : L1108-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : INWOOD-BH-03-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.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-methoxy...	2.95	16.6	ng	257276	1	7.63	310581	20.0
2-Pentanone, 4-hy...	4.80	14.2	ng	220926	1	7.63	310581	20.0
unknown7.18	7.18	72.2	ng	1120840	1	7.63	310581	20.0
Phenanthrene, 2-m...	17.93	5.2	ng	143734	4	17.05	550310	20.0
Phenanthrene, 1-m...	17.97	10.0	ng	274878	4	17.05	550310	20.0
Anthracene, 2-met...	18.05	6.6	ng	181361	4	17.05	550310	20.0
4H-Cyclopenta[def...	18.12	27.4	ng	753977	4	17.05	550310	20.0
Anthracene, 9-met...	18.15	4.8	ng	130725	4	17.05	550310	20.0
5,16[1',2']:8,13[...	18.42	7.7	ng	212459	4	17.05	550310	20.0
1H-Indene, 2-meth...	18.83	7.1	ng	195991	4	17.05	550310	20.0
Cyclopenta(def)ph...	18.96	12.2	ng	336169	4	17.05	550310	20.0
Benz(a)anthracene...	22.49	23.6	ng	596577	6	23.42	504966	20.0
Benzo[e]pyrene	22.92	45.9	ng	1159420	6	23.42	504966	20.0
Dinaphtho[1,2-b:1...	23.05	23.3	ng	586952	6	23.42	504966	20.0
Perylene	23.23	158.4	ng	3998720	6	23.42	504966	20.0
3,4-Dibromobenzal...	24.27	17.2	ng	434660	6	23.42	504966	20.0
Pentaphene	25.95	23.3	ng	588272	6	23.42	504966	20.0