LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090220\
Data File : BP003193.D
Acq On : 02 Sep 2020 18:45
Operator : CG/JU
Sample : L3866-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-090120

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-BP082420.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	2.917	3	5	18	rVB	216818	330145	5.47%	0.608%
2	5.264	398	404	422	rBV	703851	1104459	18.31%	2.035%
3	6.840	664	672	687	rBV	716747	1166716	19.34%	2.150%
4	7.652	803	810	822	rBV	565149	927035	15.37%	1.708%
5	8.799	993	1005	1020	rBV	485411	821275	13.61%	1.513%
6	10.434	1275	1283	1290	rBV	833251	1416476	23.48%	2.610%
7	12.916	1698	1705	1716	rBV	1609361	2431290	40.30%	4.480%
8	13.751	1840	1847	1856	rBV	218632	338917	5.62%	0.625%
9	14.016	1886	1892	1902	rBV	92194	155127	2.57%	0.286%
10	14.298	1933	1940	1946	rBV	1444949	2128241	35.28%	3.922%
11	14.357	1946	1950	1959	rVB	65780	104193	1.73%	0.192%
12	15.351	2113	2119	2131	rVB	81582	132760	2.20%	0.245%
13	15.792	2186	2194	2206	rBV	1349281	1985764	32.92%	3.659%
14	17.051	2402	2408	2412	rBV	1994826	2869741	47.57%	5.288%
15	17.092	2412	2415	2422	rVV	914960	1231755	20.42%	2.270%
16	17.181	2425	2430	2437	rVB	368922	523624	8.68%	0.965%
17	17.922	2552	2556	2560	rBV	126055	172299	2.86%	0.317%
18	17.969	2560	2564	2572	rVB2	290625	400877	6.65%	0.739%
19	18.051	2574	2578	2582	rVB	87730	115541	1.92%	0.213%
20	18.116	2583	2589	2593	rBV2	325084	521794	8.65%	0.961%
21	18.410	2636	2639	2643	rBV	111933	138306	2.29%	0.255%
22	18.445	2643	2645	2651	rVB2	51271	70498	1.17%	0.130%
23	18.816	2704	2708	2713	rBV2	97954	169430	2.81%	0.312%
24	18.875	2715	2718	2722	rVB2	71568	109028	1.81%	0.201%
25	18.951	2727	2731	2738	rBV	112992	205534	3.41%	0.379%
26	19.069	2746	2751	2757	rBV	2939706	3889926	64.49%	7.168%
27	19.304	2789	2791	2796	rVB3	84449	102679	1.70%	0.189%
28	19.422	2802	2811	2820	rBV	2572316	4017941	66.61%	7.404%
29	19.498	2821	2824	2831	rVB2	96622	174656	2.90%	0.322%
30	19.627	2838	2846	2857	rVB	3922815	5003736	82.95%	9.220%
31	19.739	2861	2865	2867	rBV2	146403	238561	3.95%	0.440%
32	19.910	2890	2894	2898	rVB	456281	593833	9.84%	1.094%
33	20.004	2906	2910	2914	rVB	430381	501870	8.32%	0.925%
34	20.063	2916	2920	2924	rVB2	211561	282090	4.68%	0.520%

LSC Area Percent Report

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Sample : L3866-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-090120

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-BP082420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.198	2940	2943	2946	rBV2	109230	117151	1.94%	0.216%
36	20.798	3043	3045	3048	rVB	173122	163860	2.72%	0.302%
37	20.833	3049	3051	3054	rVB	176168	169364	2.81%	0.312%
38	20.874	3054	3058	3063	rBV3	674968	949893	15.75%	1.750%
39	21.145	3097	3104	3107	rBV2	3412628	6032262	100.00%	11.116%
40	21.180	3107	3110	3119	rVB	1396524	1786996	29.62%	3.293%
41	21.298	3126	3130	3135	rBV2	414144	696825	11.55%	1.284%
42	22.716	3365	3371	3375	rBV	1277811	2887186	47.86%	5.320%
43	23.186	3447	3451	3460	rVB	756956	1341850	22.24%	2.473%
44	23.286	3462	3468	3476	rVB	1179044	2326494	38.57%	4.287%
45	23.380	3478	3484	3489	rBV	1841487	3420900	56.71%	6.304%

Sum of corrected areas: 54268898

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090220\
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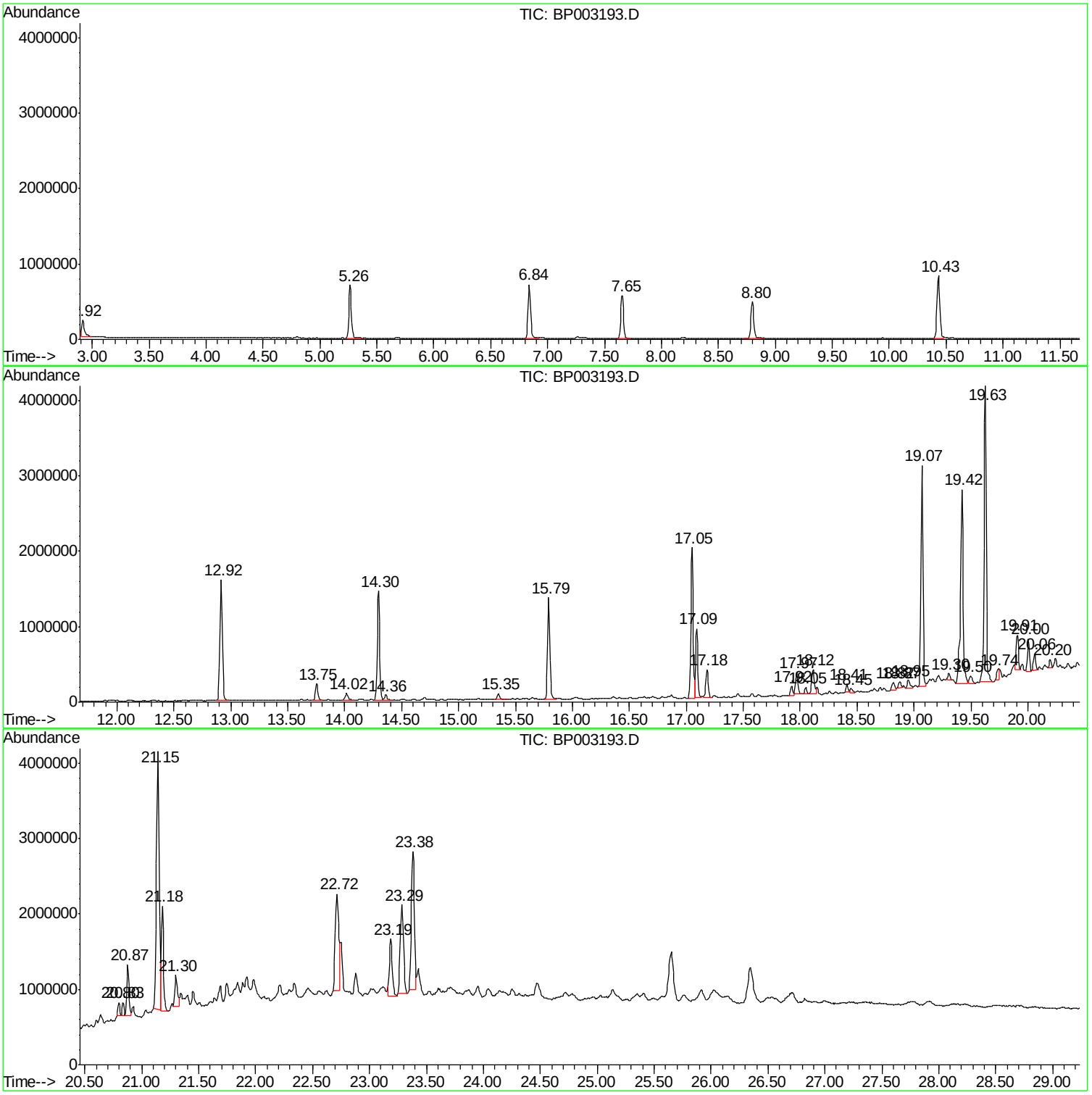
Operator : CG/JU
Sample : L3866-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-090120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.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\BP090220\
Data File : BP003193.D
Acq On : 02 Sep 2020 18:45
Operator : CG/JU
Sample : L3866-01 2X
Misc :
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Instrument : BNA_P
ClientSampleId : OK-03-090120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

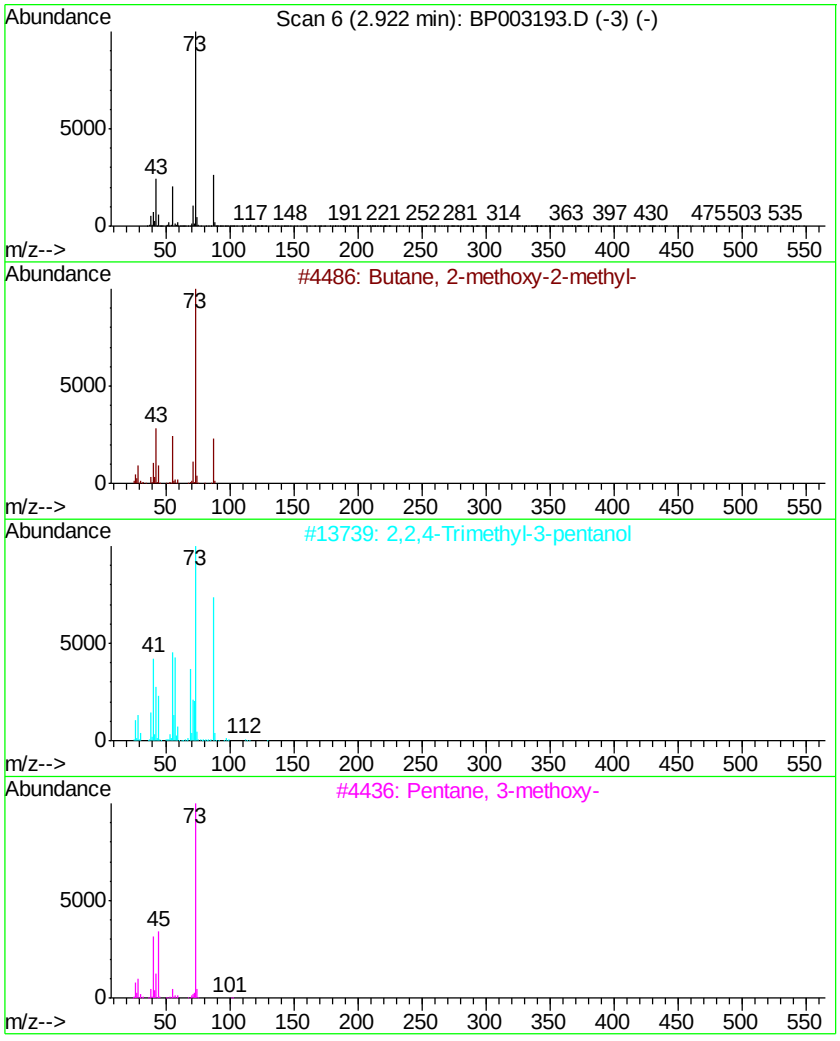
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

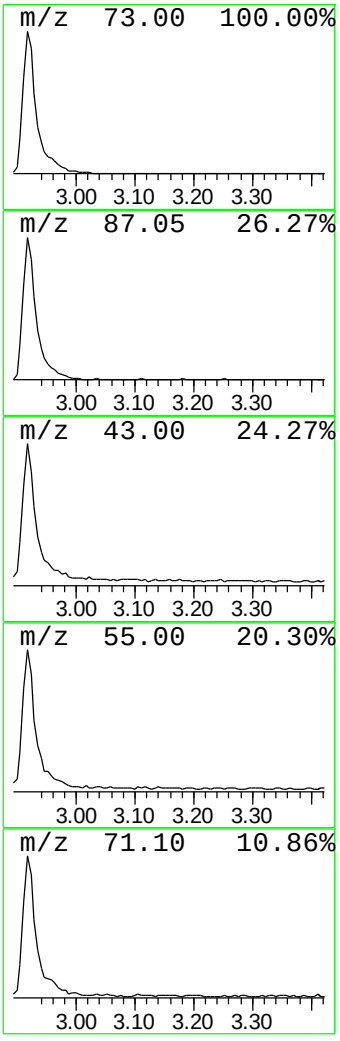
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	7.12 ng	330145	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

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Operator : CG/JU
Sample : L3866-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-03-090120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

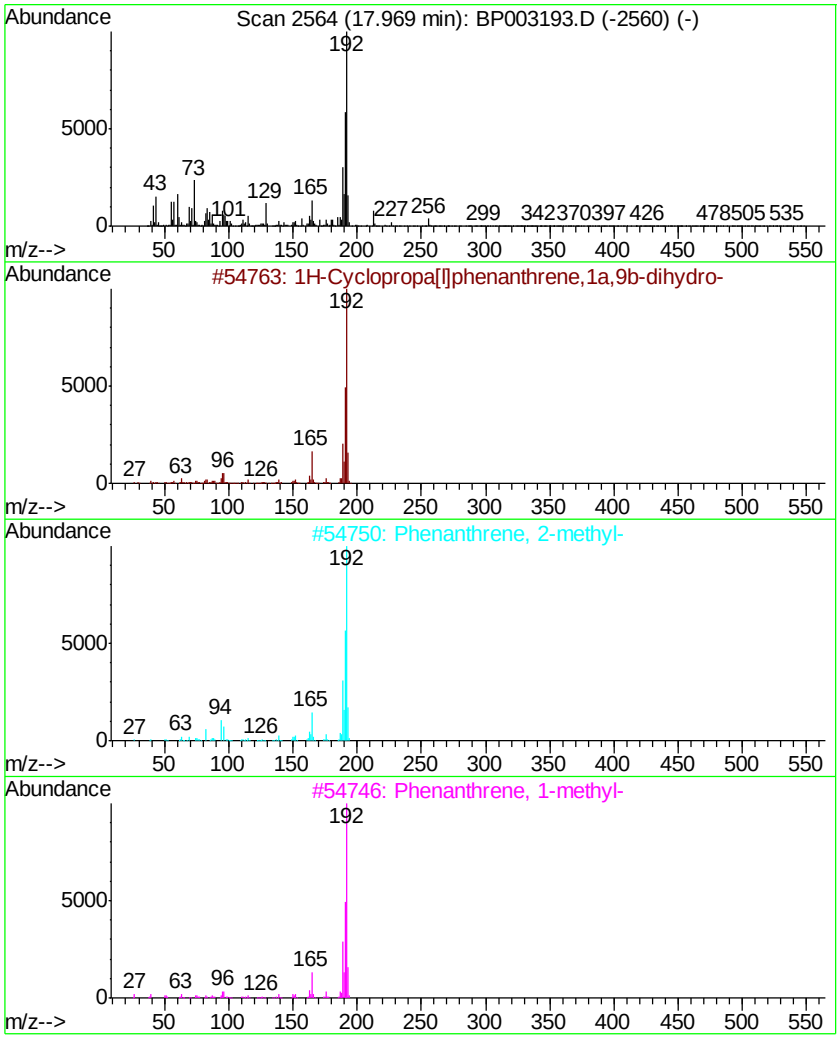
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

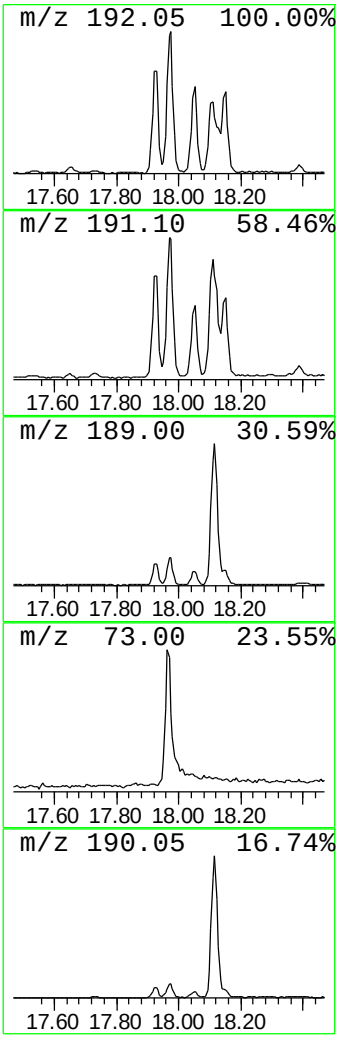
****

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.79 ng	400877	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Misc :
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Instrument : BNA_P
ClientSampleId : OK-03-090120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

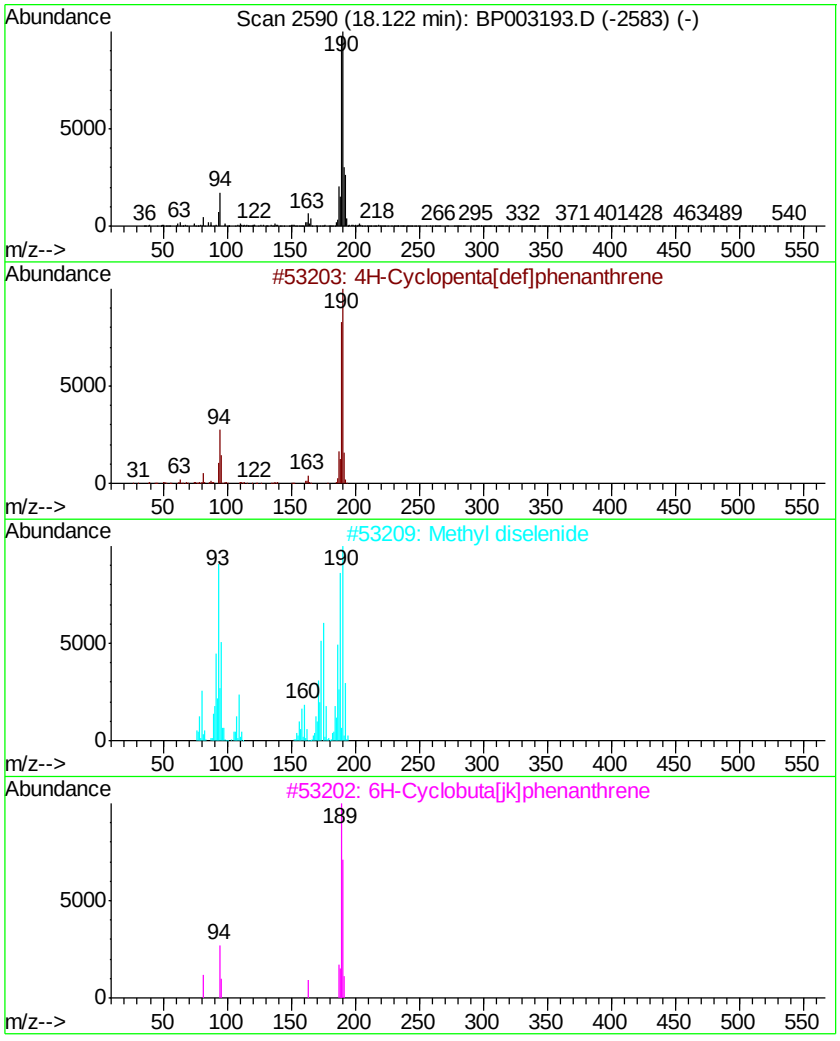
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

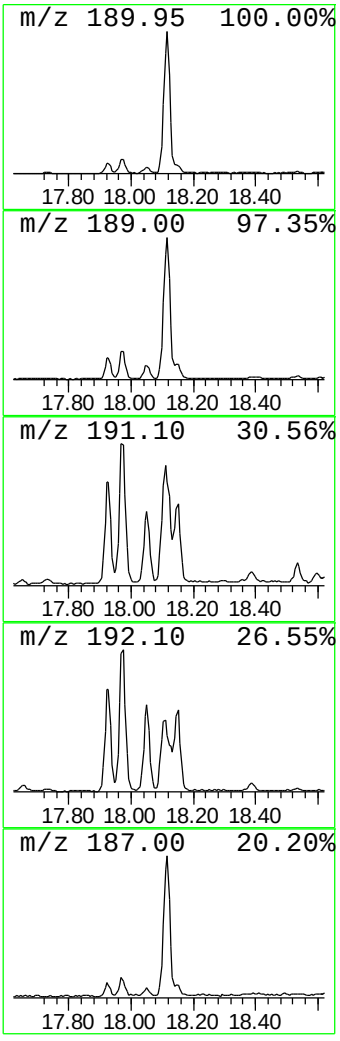
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.64 ng	521794	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	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Instrument : BNA_P
ClientSampleId : OK-03-090120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

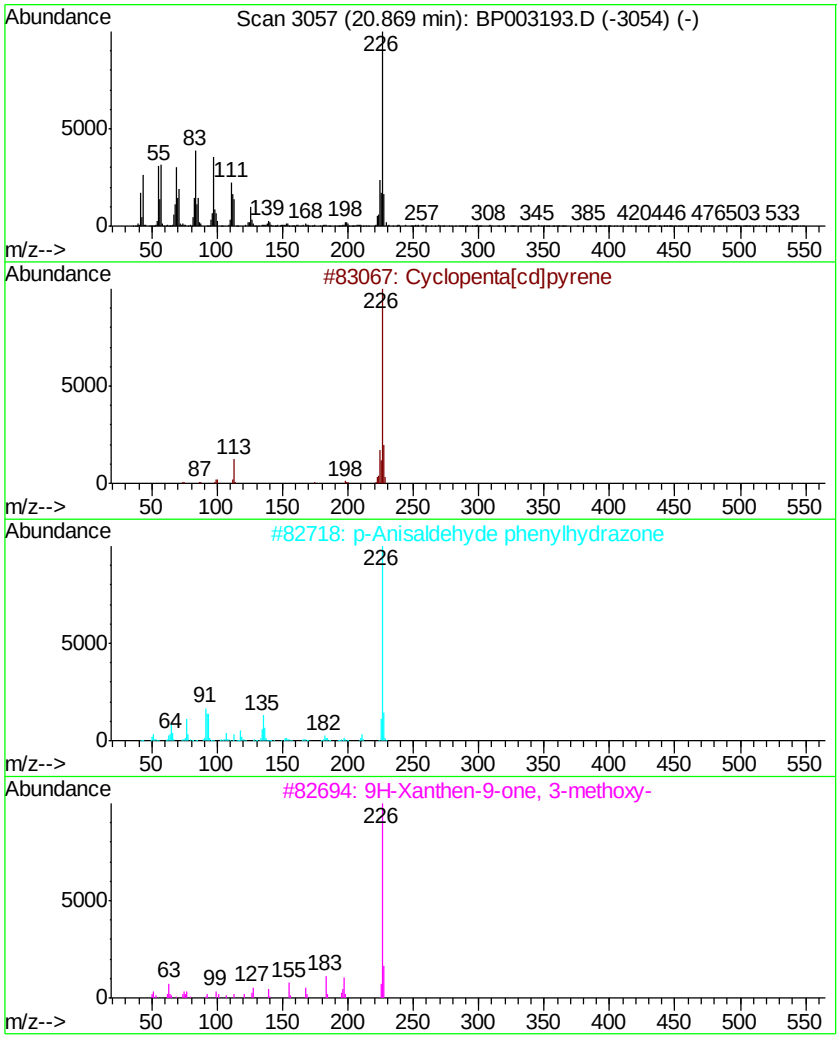
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

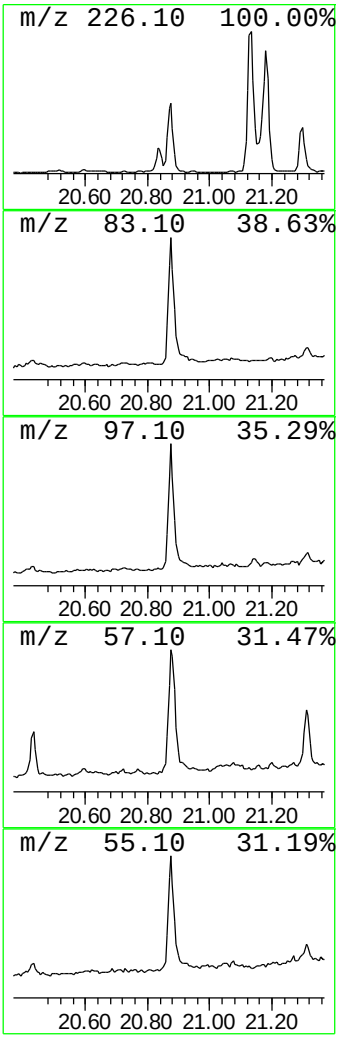
****

Peak Number 4 unknown20.87 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.15 ng	949893	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
2	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	30
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	25
4	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	22
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	22





Library Search Compound Report

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Instrument : BNA_P
ClientSampleId : OK-03-090120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

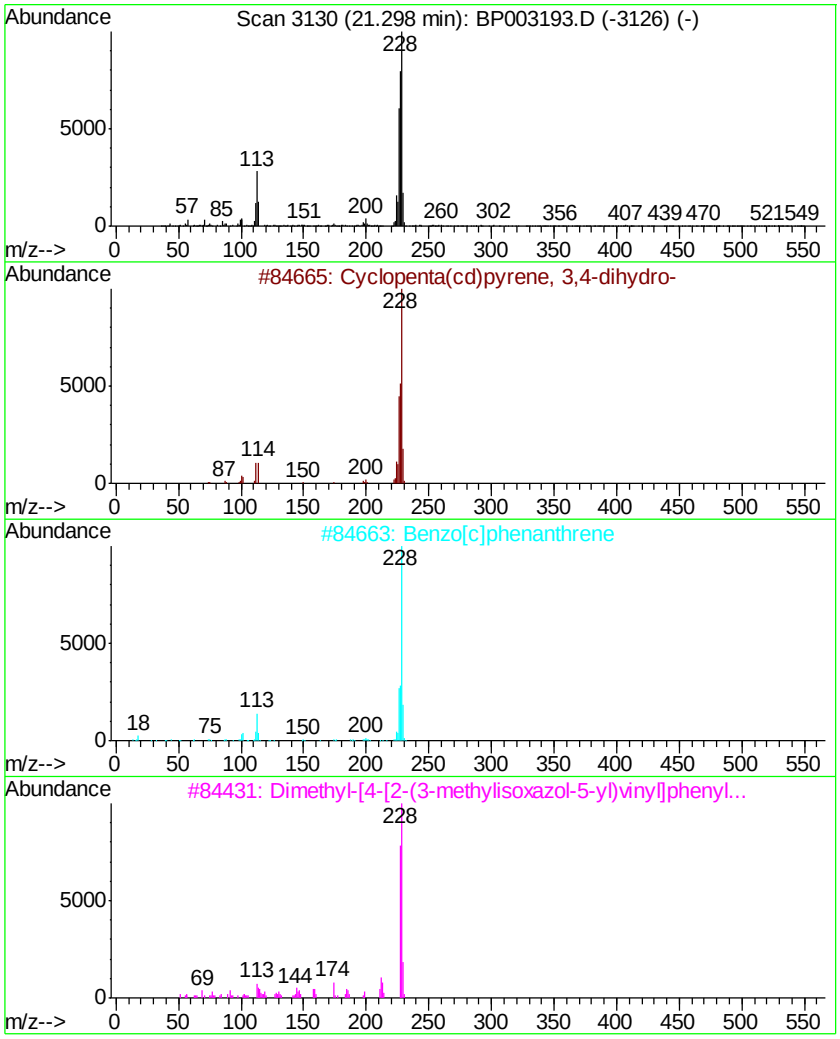
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

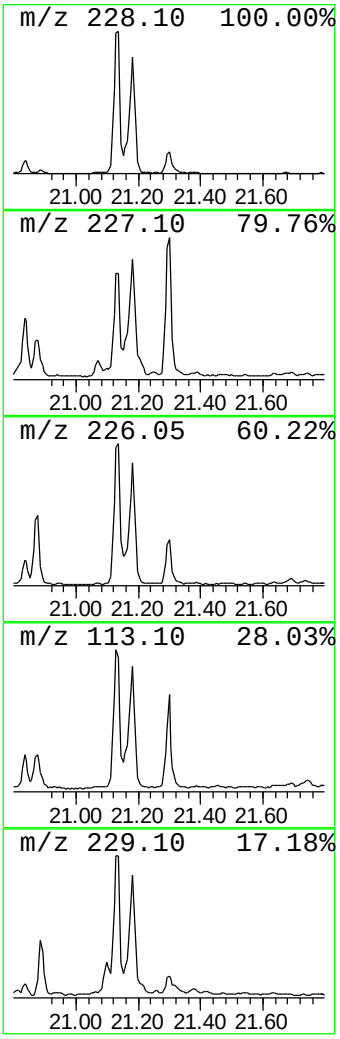
****

Peak Number 5 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.31 ng	696825	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47





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TIC Library : C:\DATABASE\NIST11.L
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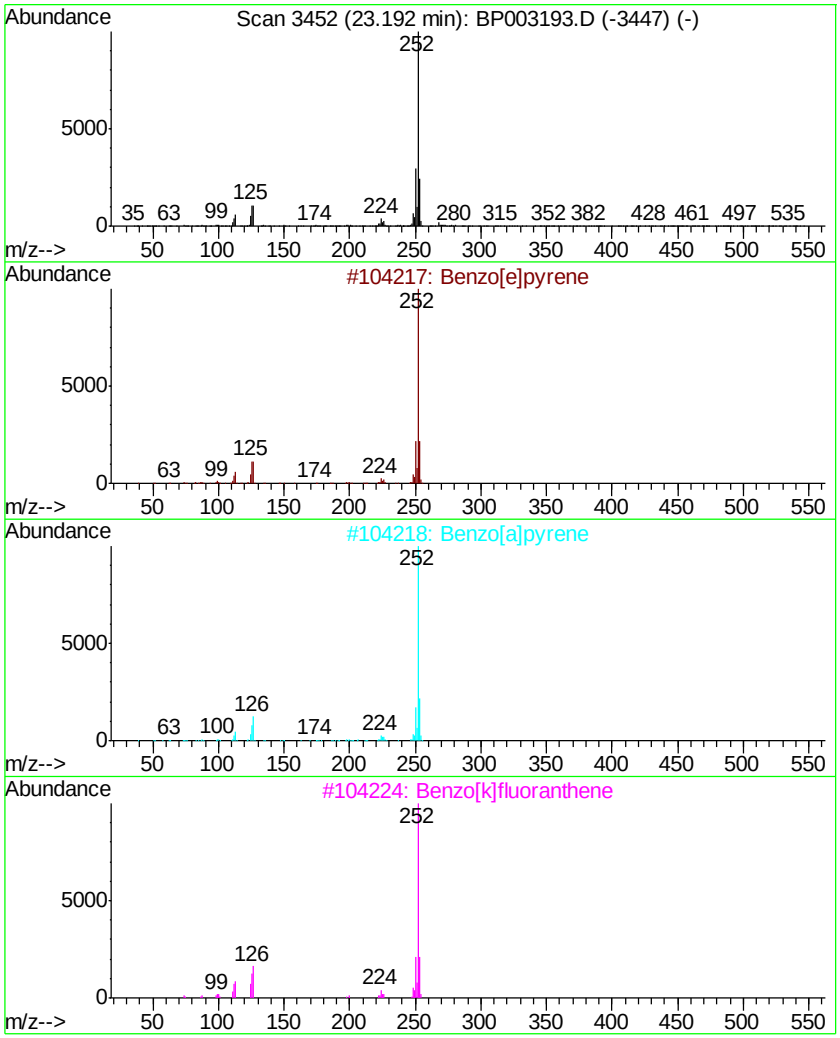
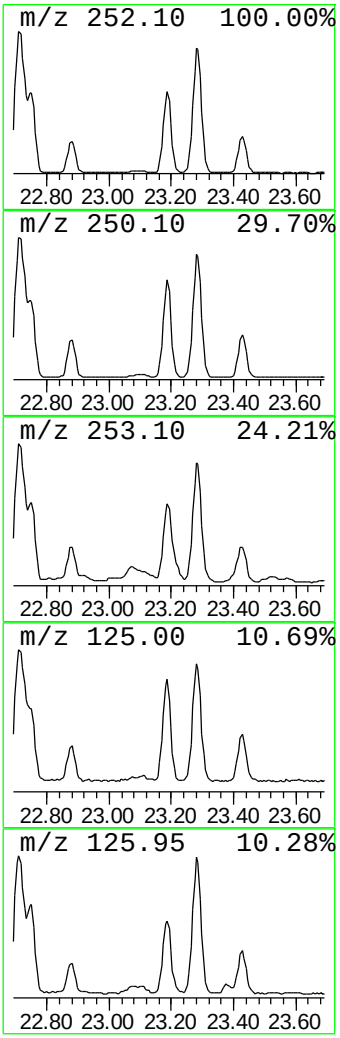
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	7.85 ng	1341850	Perylene-d12	23.38

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





Tentatively Identified Compound (LSC) summary

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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...	2.92	7.1	ng	330145	1	7.65	927035	20.0
1H-Cyclopropa[l]p...	17.97	2.8	ng	400877	4	17.05	2869740	20.0
4H-Cyclopenta[def...	18.12	3.6	ng	521794	4	17.05	2869740	20.0
unknown20.87	20.87	3.1	ng	949893	5	21.15	6032260	20.0
Cyclopenta(cd)pyr...	21.30	2.3	ng	696825	5	21.15	6032260	20.0
Benzo[e]pyrene	23.19	7.8	ng	1341850	6	23.38	3420900	20.0