LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.675	298	304	314	rBV	228809	332892	4.93%	0.415%
2	5.152	379	385	405	rBV	685395	1138070	16.86%	1.419%
3	6.740	648	655	683	rBV	1268294	2215796	32.82%	2.764%
4	7.534	784	790	802	rBV	480044	756058	11.20%	0.943%
5	8.687	975	986	998	rBV	959265	1656038	24.53%	2.066%
6	10.310	1255	1262	1268	rBV	618550	1084246	16.06%	1.352%
7	10.363	1268	1271	1282	rVB	115083	193442	2.87%	0.241%
8	11.993	1540	1548	1557	rBV	70584	123659	1.83%	0.154%
9	12.210	1579	1585	1595	rVB	59569	103595	1.53%	0.129%
10	12.804	1679	1686	1707	rBV	2430161	3802743	56.33%	4.743%
11	13.516	1801	1807	1812	rBV	64073	115927	1.72%	0.145%
12	13.651	1825	1830	1841	rBV	286508	423675	6.28%	0.528%
13	13.910	1864	1874	1889	rBV	164523	272808	4.04%	0.340%
14	14.193	1913	1922	1928	rBV	1000139	1472669	21.82%	1.837%
15	14.257	1928	1933	1943	rVB	228734	352330	5.22%	0.439%
16	14.598	1985	1991	1999	rVV	168942	282294	4.18%	0.352%
17	15.245	2095	2101	2107	rBV	265580	399326	5.92%	0.498%
18	15.545	2147	2152	2163	rVB	88178	157559	2.33%	0.197%
19	15.692	2169	2177	2186	rBV	443966	754635	11.18%	0.941%
20	15.934	2212	2218	2223	rBV5	56687	98288	1.46%	0.123%
21	16.257	2266	2273	2278	rBV3	65102	145048	2.15%	0.181%
22	16.310	2278	2282	2287	rVB2	48301	68961	1.02%	0.086%
23	16.610	2328	2333	2340	rVB	171565	253267	3.75%	0.316%
24	16.687	2342	2346	2351	rBV3	61447	119885	1.78%	0.150%
25	16.763	2356	2359	2369	rVB	177567	288321	4.27%	0.360%
26	16.945	2384	2390	2394	rBV	1147554	1743420	25.83%	2.175%
27	16.992	2394	2398	2404	rVV	3047478	4137438	61.29%	5.160%
28	17.081	2404	2413	2419	rVB	826999	1210215	17.93%	1.509%
29	17.145	2420	2424	2430	rBV2	86834	145356	2.15%	0.181%
30	17.357	2451	2460	2465	rBV2	307024	526842	7.80%	0.657%
31	17.398	2465	2467	2475	rVV3	39981	77651	1.15%	0.097%
32	17.475	2476	2480	2485	rVV3	107602	150791	2.23%	0.188%
33	17.534	2486	2490	2499	rVB3	99013	181257	2.69%	0.226%
34	17.675	2510	2514	2520	rVB	53997	91566	1.36%	0.114%
35	17.828	2534	2540	2544	rVV	472458	697367	10.33%	0.870%
36	17.875	2544	2548	2554	rVB	621733	852425	12.63%	1.063%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.951	2556	2561	2566	rVV	256851	333704	4.94%	0.416%
38	18.016	2566	2572	2576	rVV2	712501	1243460	18.42%	1.551%
39	18.051	2576	2578	2586	rVB	383645	428848	6.35%	0.535%
40	18.128	2587	2591	2594	rBV3	58500	88491	1.31%	0.110%
41	18.169	2594	2598	2602	rVB3	64959	104494	1.55%	0.130%
42	18.216	2602	2606	2610	rBV	61586	82988	1.23%	0.104%
43	18.316	2618	2623	2627	rVV	363000	479136	7.10%	0.598%
44	18.363	2627	2631	2637	rVV2	263427	360763	5.34%	0.450%
45	18.557	2661	2664	2668	rVV	151744	199704	2.96%	0.249%
46	18.604	2669	2672	2676	rVV	152407	195771	2.90%	0.244%
47	18.645	2676	2679	2683	rVB	125698	153332	2.27%	0.191%
48	18.728	2687	2693	2697	rBV	344486	553944	8.21%	0.691%
49	18.781	2697	2702	2706	rVV3	205857	436407	6.46%	0.544%
50	18.816	2706	2708	2711	rVB	123799	115730	1.71%	0.144%
51	18.863	2711	2716	2723	rBV2	305106	531584	7.87%	0.663%
52	18.980	2730	2736	2741	rBV	4116469	5868405	86.93%	7.319%
53	19.045	2744	2747	2749	rVV	95413	109733	1.63%	0.137%
54	19.080	2749	2753	2757	rVB2	147532	197272	2.92%	0.246%
55	19.128	2757	2761	2764	rBV	103772	125046	1.85%	0.156%
56	19.216	2773	2776	2780	rVB	151181	185627	2.75%	0.232%
57	19.333	2786	2796	2805	rBV2	3991162	6750651	100.00%	8.420%
58	19.404	2805	2808	2817	rVB2	224122	351384	5.21%	0.438%
59	19.533	2822	2830	2834	rBV	3677611	5326962	78.91%	6.644%
60	19.575	2834	2837	2842	rVB	292885	390145	5.78%	0.487%
61	19.657	2845	2851	2857	rBV2	326598	816260	12.09%	1.018%
62	19.786	2868	2873	2875	rBV4	279981	459321	6.80%	0.573%
63	19.822	2875	2879	2883	rVB	628150	881835	13.06%	1.100%
64	19.863	2883	2886	2889	rBV4	54470	89160	1.32%	0.111%
65	19.916	2891	2895	2899	rBV	411964	478664	7.09%	0.597%
66	19.975	2899	2905	2909	rBV2	469329	743177	11.01%	0.927%
67	20.057	2916	2919	2922	rVB2	100224	120906	1.79%	0.151%
68	20.110	2924	2928	2932	rVV	306530	379879	5.63%	0.474%
69	20.157	2932	2936	2940	rVB	290609	396636	5.88%	0.495%
70	20.557	3000	3004	3010	rVB	458581	562340	8.33%	0.701%
71	20.710	3026	3030	3033	rBV2	423827	576024	8.53%	0.718%
72	20.745	3033	3036	3039	rVV	457997	541369	8.02%	0.675%
73	20.786	3039	3043	3051	rVV3	763499	1402119	20.77%	1.749%
74	20.851	3051	3054	3059	rVB2	487458	658006	9.75%	0.821%
75	21.051	3080	3088	3093	rBV3	2551941	5632066	83.43%	7.025%
76	21.098	3093	3096	3101	rVB	2051805	2552885	37.82%	3.184%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.216	3112	3116	3123	rBV	366369	514432	7.62%	0.642%
78	21.380	3140	3144	3148	rVB2	249391	383443	5.68%	0.478%
79	21.551	3170	3173	3176	rBV	117188	151736	2.25%	0.189%
80	21.604	3176	3182	3186	rVV	498429	822005	12.18%	1.025%
81	21.657	3187	3191	3197	rVB	227526	381645	5.65%	0.476%
82	21.798	3212	3215	3218	rBV2	216618	307646	4.56%	0.384%
83	22.627	3349	3356	3371	rVB	1439959	4551025	67.42%	5.676%
84	22.798	3381	3385	3393	rVB	234990	402565	5.96%	0.502%
85	23.104	3431	3437	3445	rBV	626680	1490899	22.09%	1.860%
86	23.204	3447	3454	3464	rVB	975552	2484700	36.81%	3.099%
87	23.304	3465	3471	3477	rBV2	531217	1355426	20.08%	1.691%

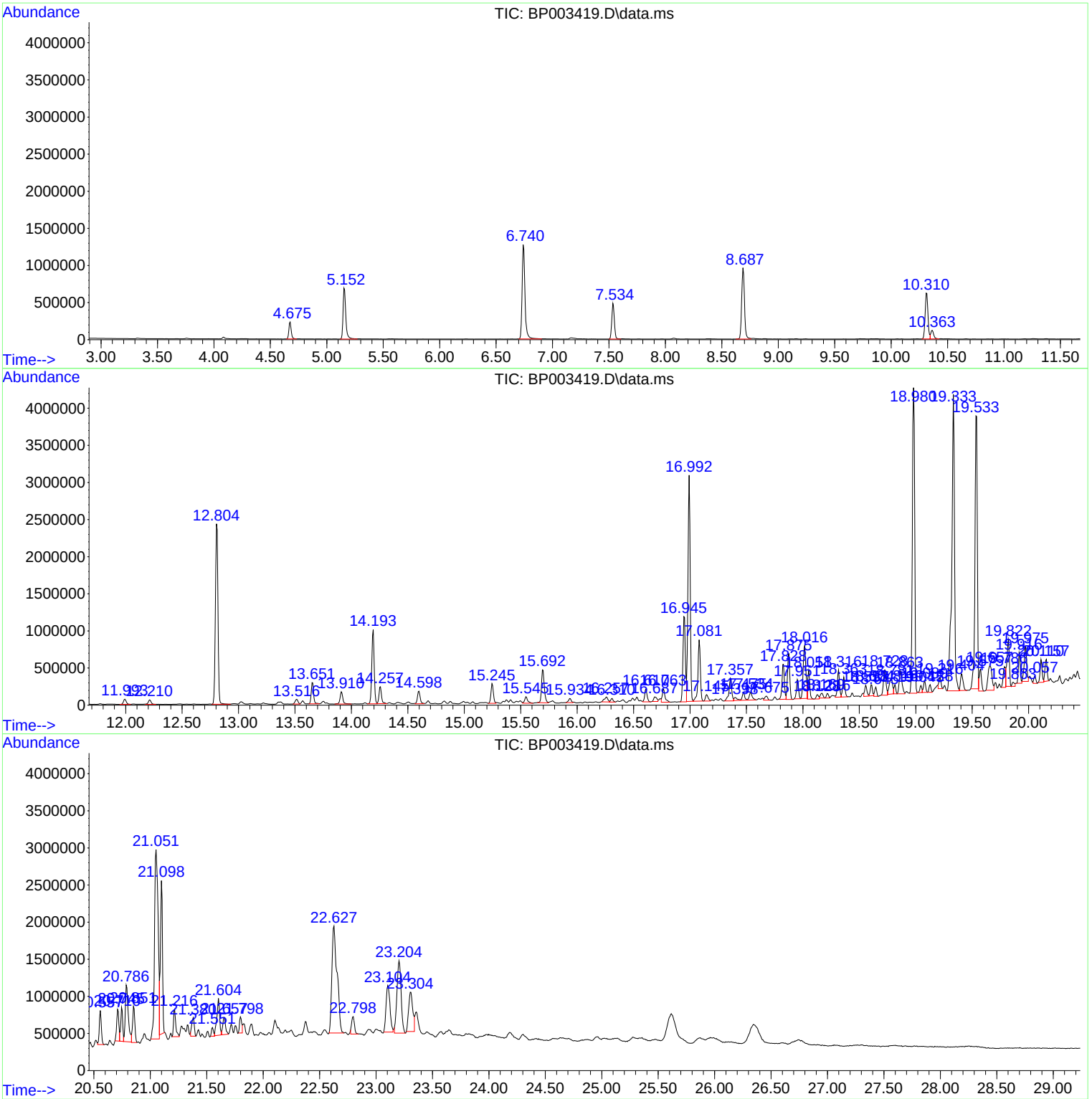
Sum of corrected areas: 80175610

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

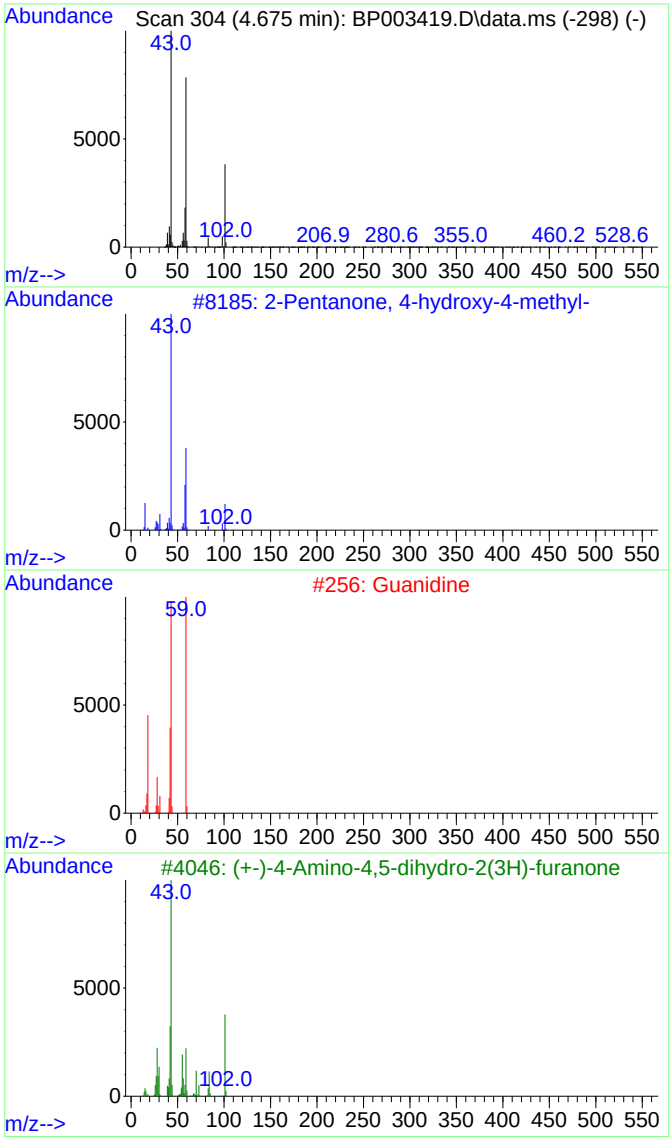
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

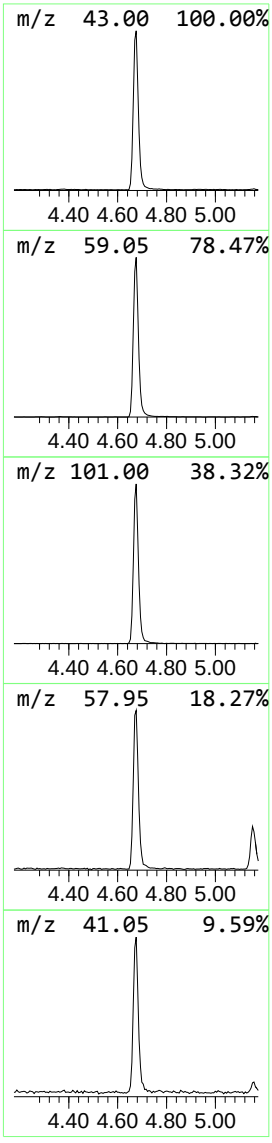
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.675	8.81 ng	332892	1,4-Dichlorobenzene-d4	7.534

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Guanidine	59	CH5N3	000113-00-8	43
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	38
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

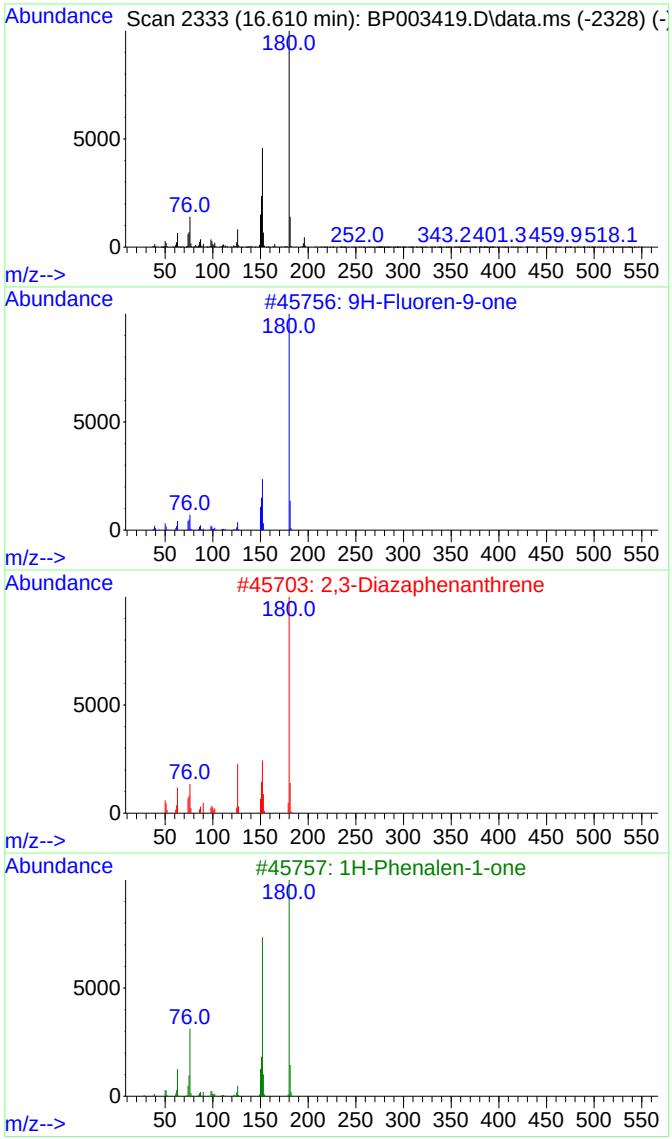
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

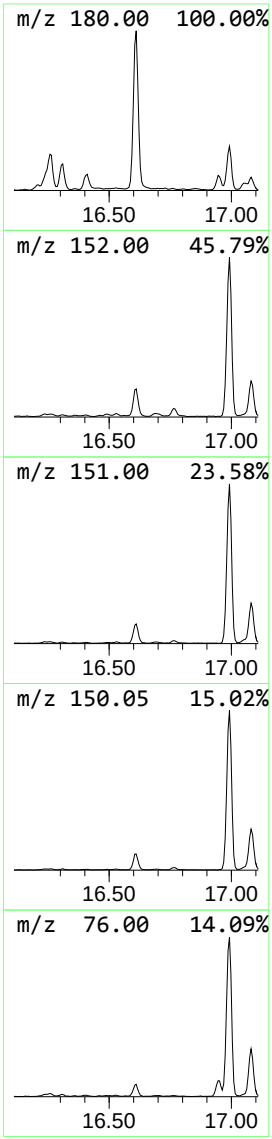
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.610	2.91 ng	253267	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	47
5	7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

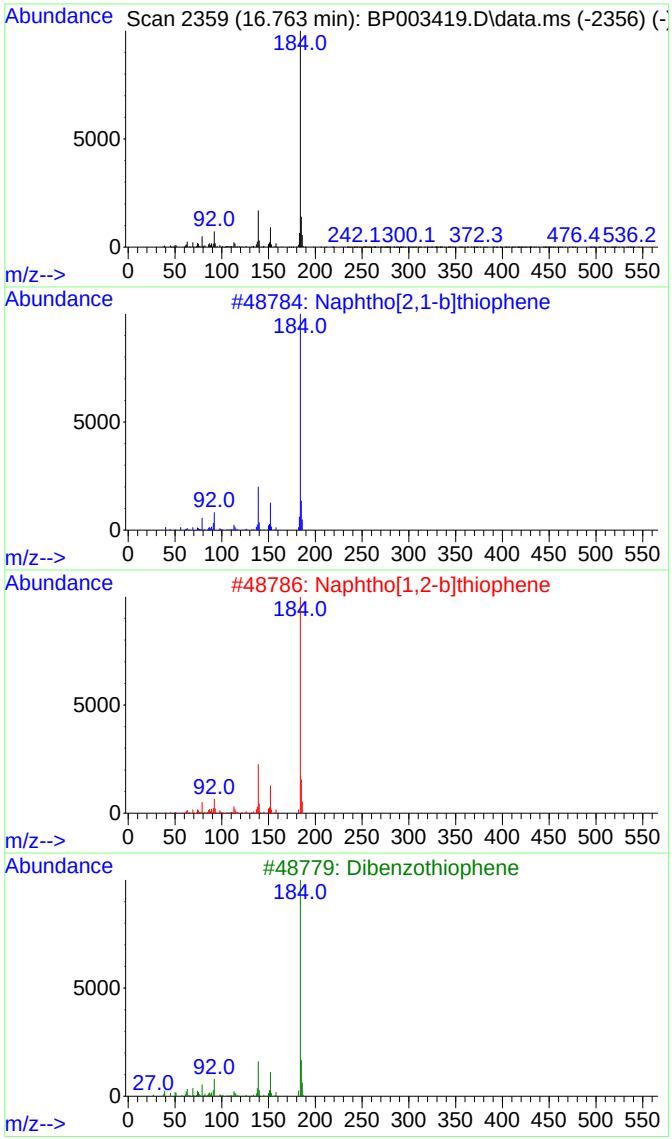
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

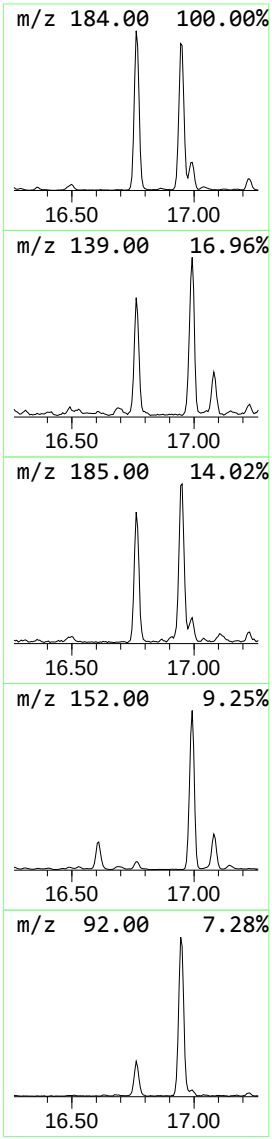
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.763	3.31 ng	288321	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

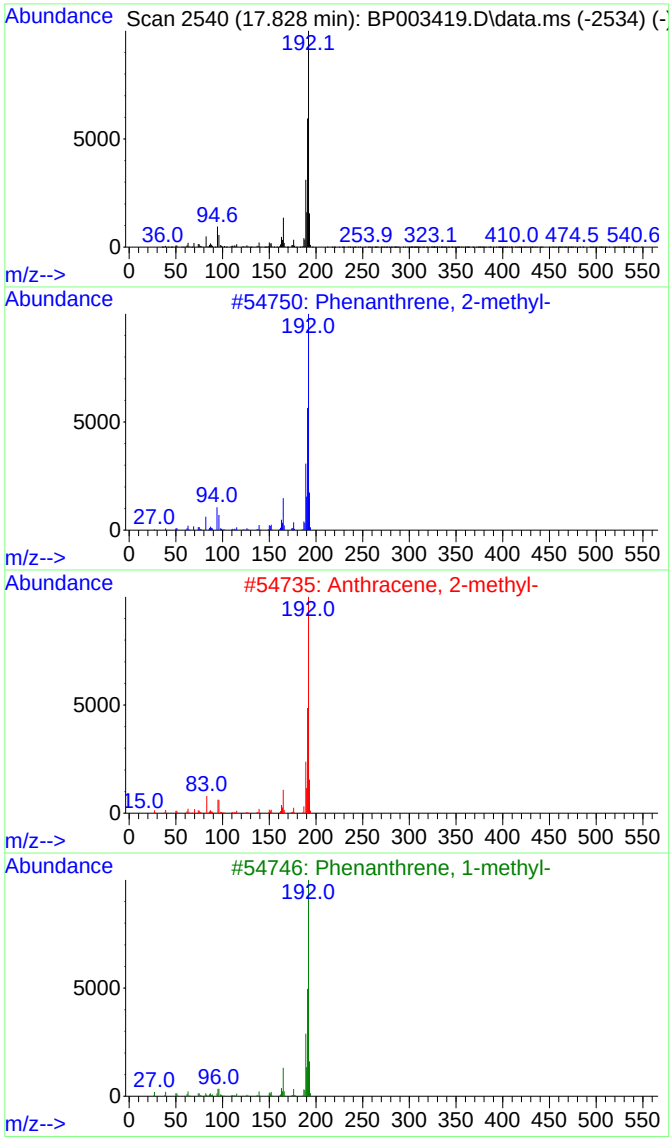
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

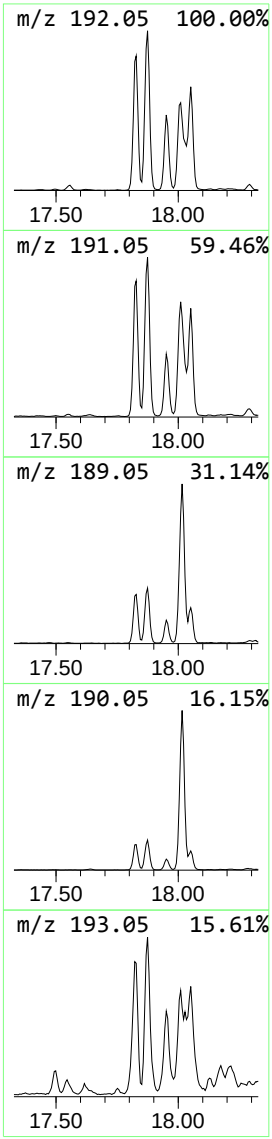
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.828	8.00 ng	697367	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

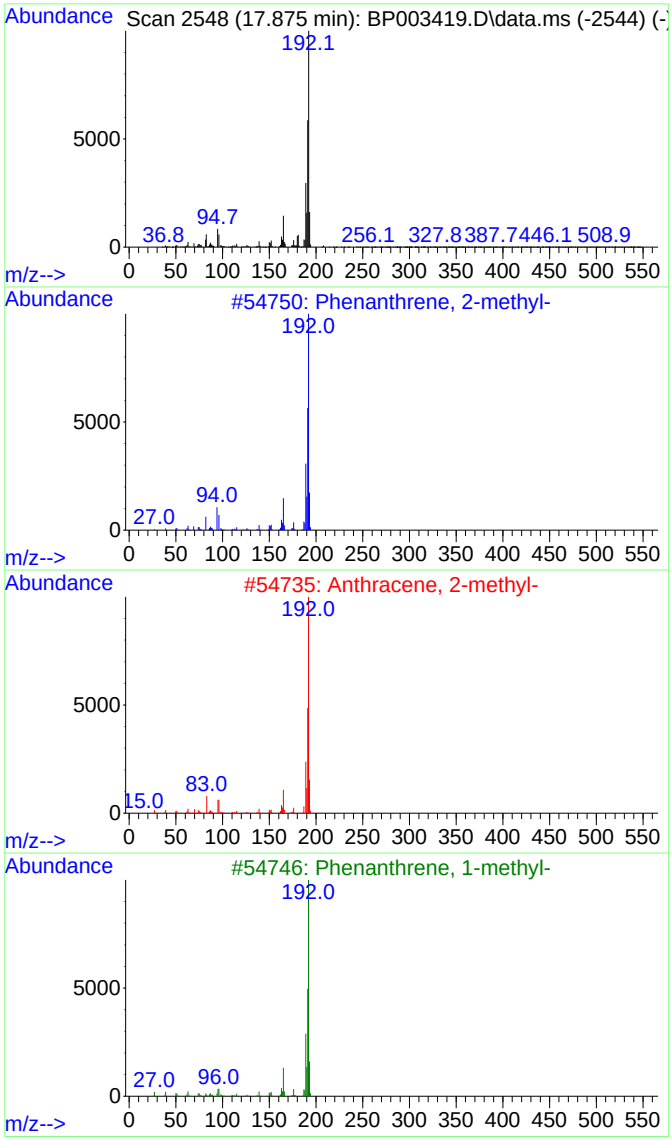
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

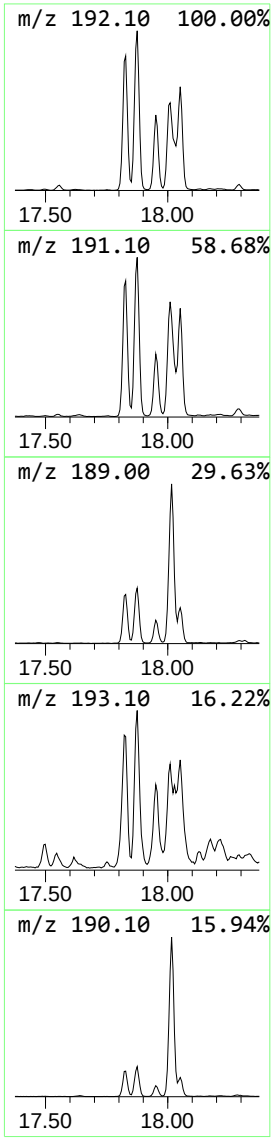
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.875	9.78 ng	852425	Phenanthrene-d10	16.945

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

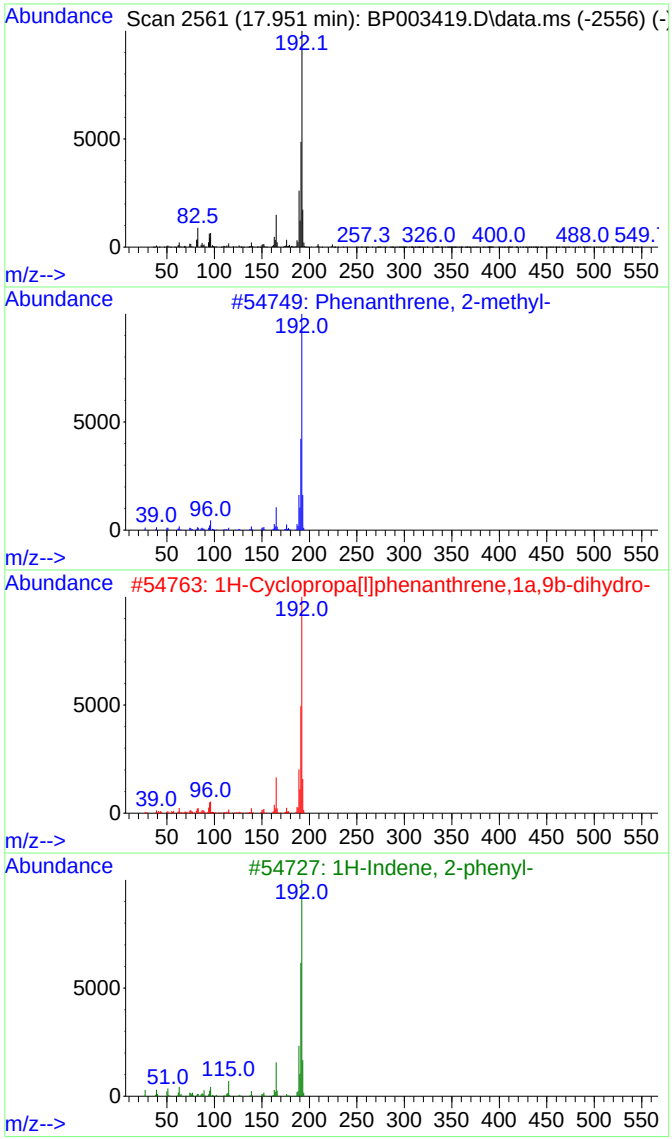
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

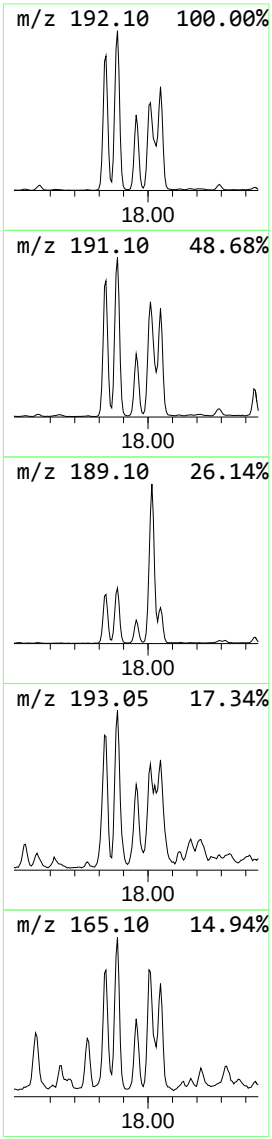
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.951	3.83 ng	333704	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

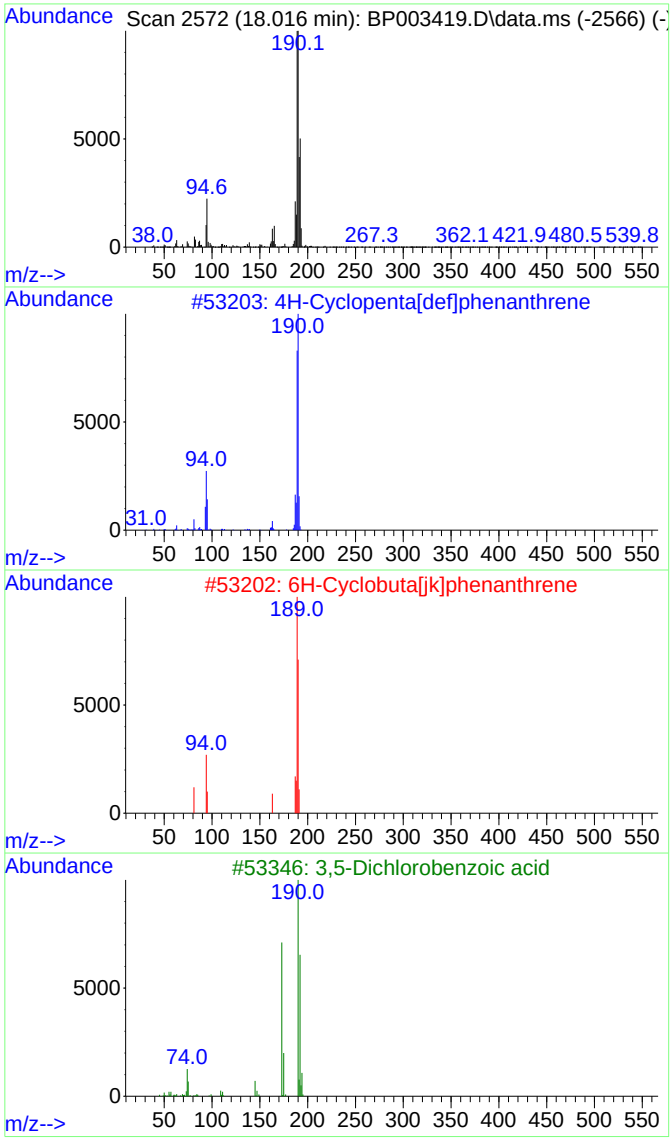
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

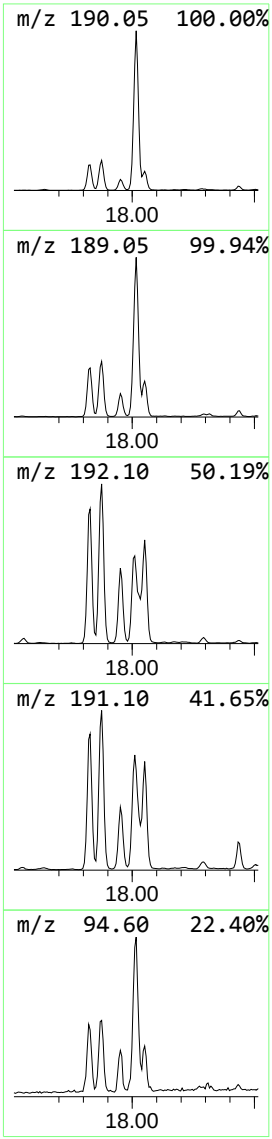
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.016	14.26 ng	1243460	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

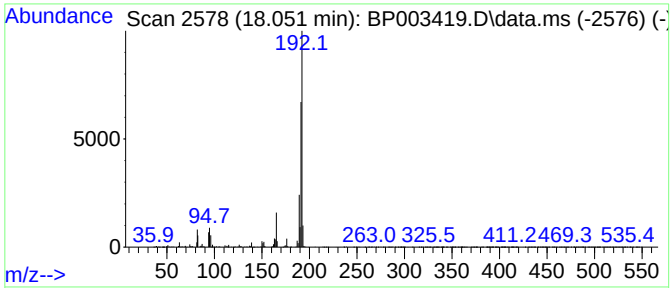
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

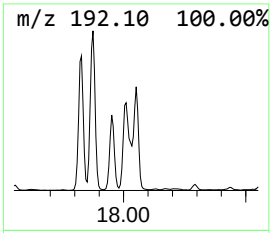
****

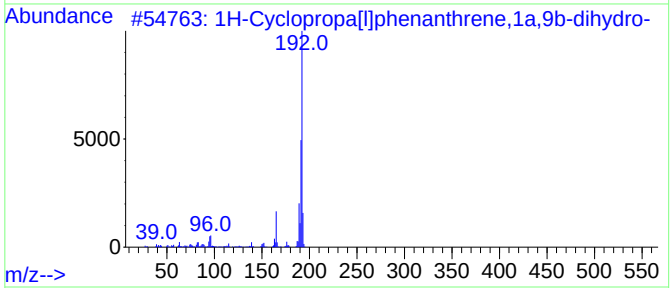
Peak Number 8 Phenanthrene, 9-methyl- Concentration Rank 12

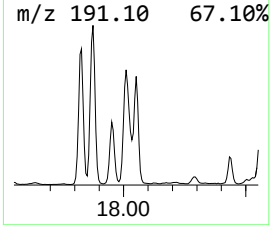
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	4.92 ng	428848	Phenanthrene-d10	16.945

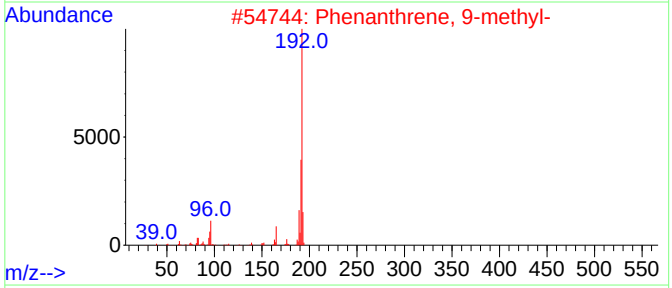
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	81
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76

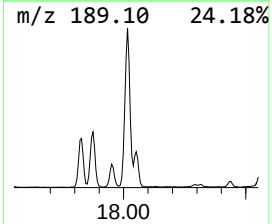


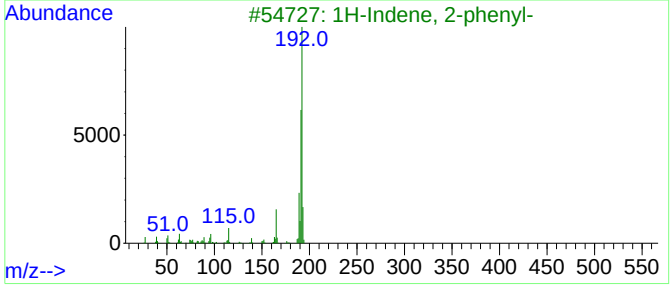


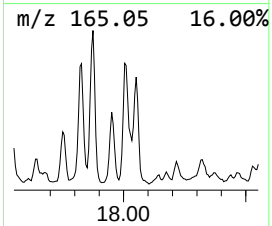


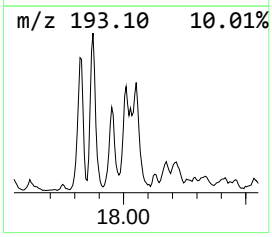












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

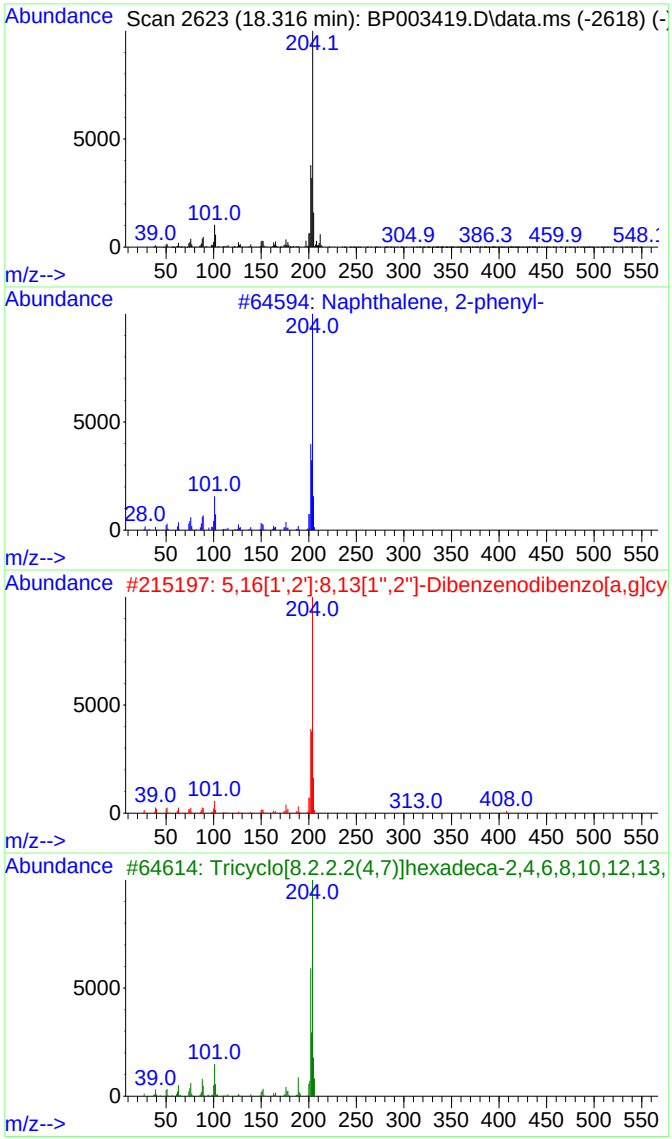
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

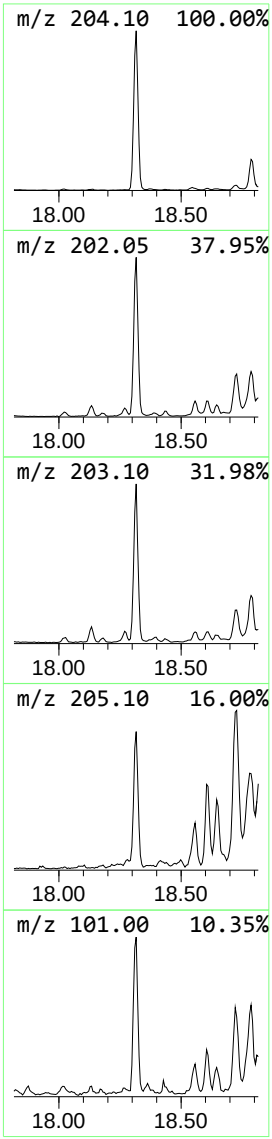
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.316	5.50 ng	479136	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Levamisole	204	C11H12N2S	014769-73-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

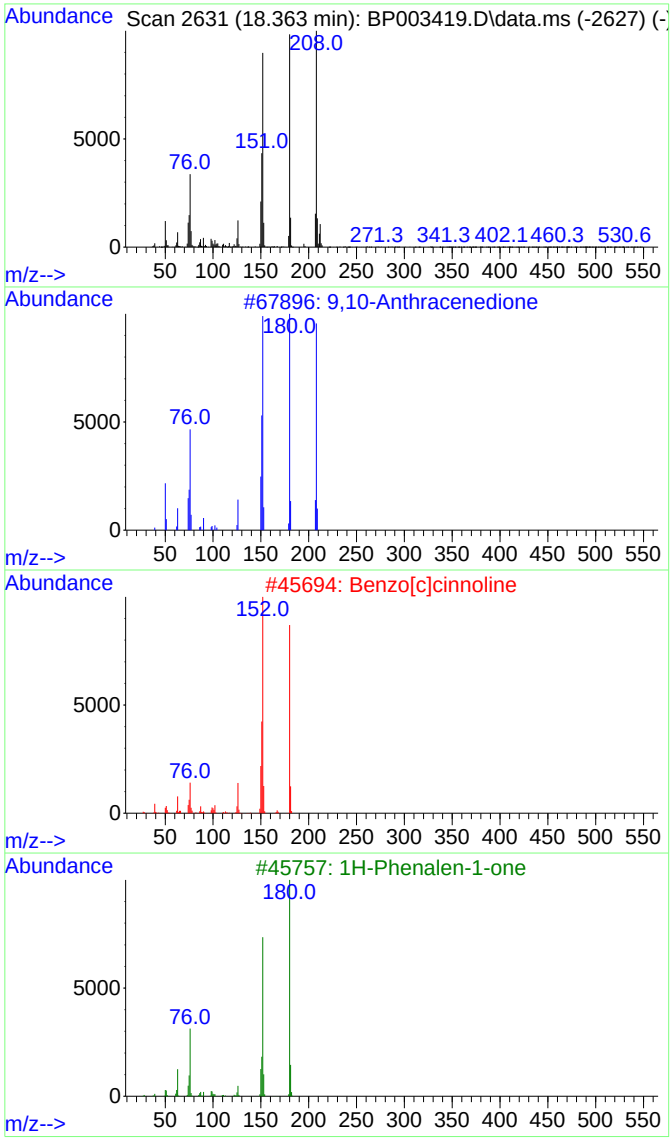
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

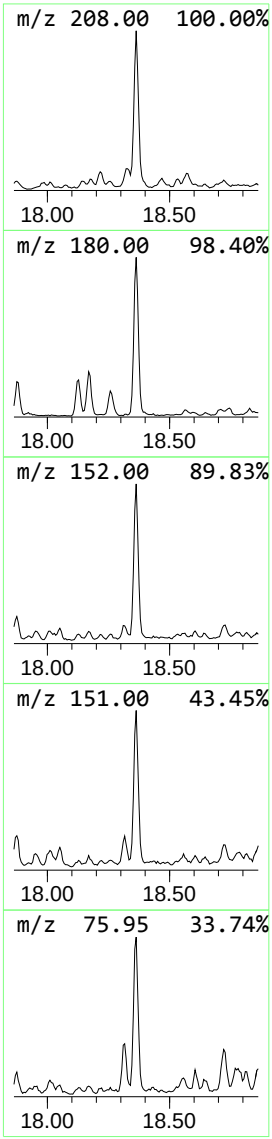
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	4.14 ng	360763	Phenanthrene-d10	16.945

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	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

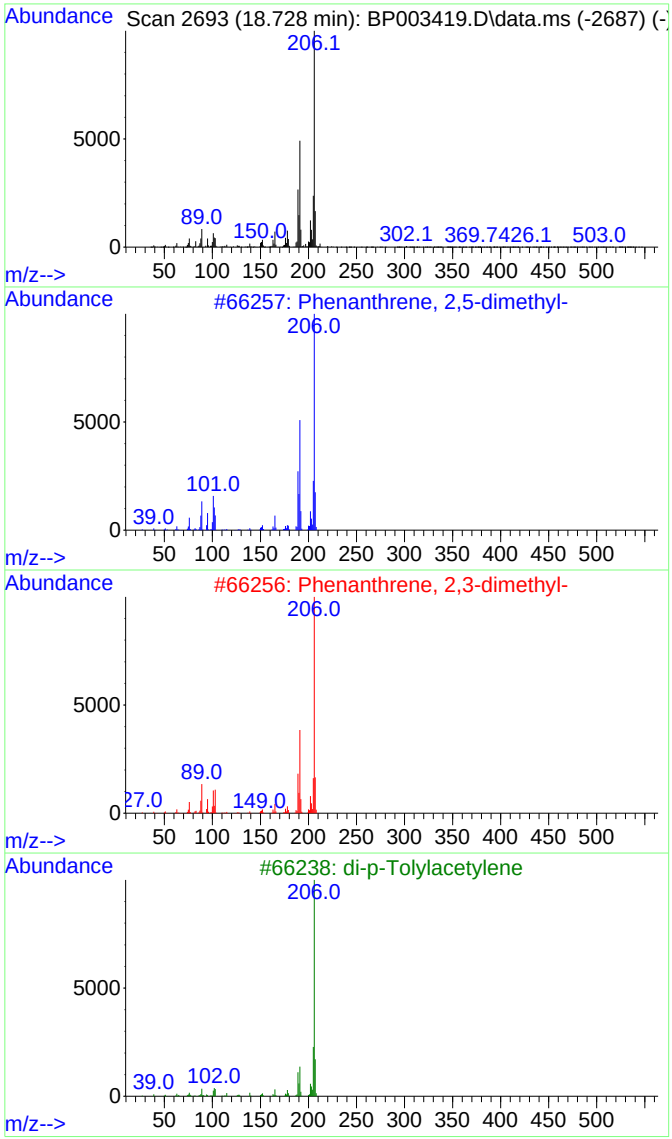
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

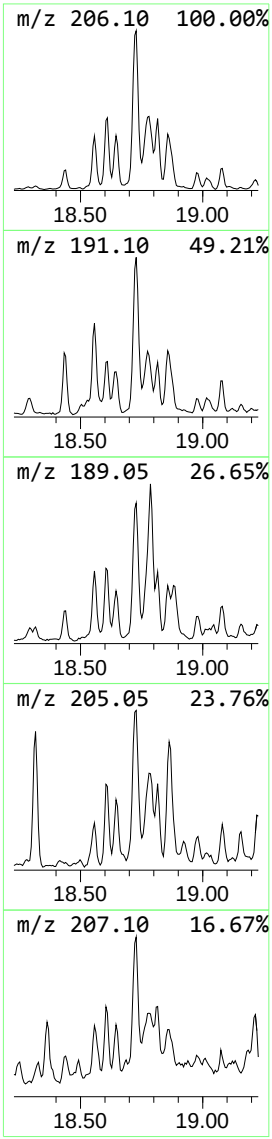
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.728	6.35 ng	553944	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

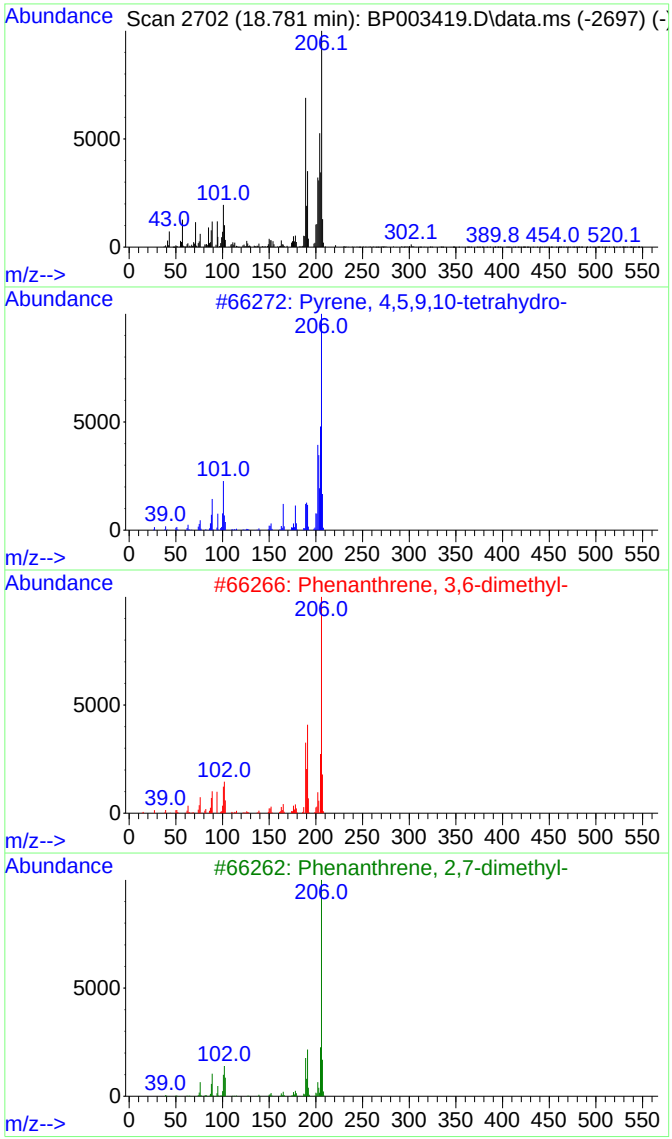
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

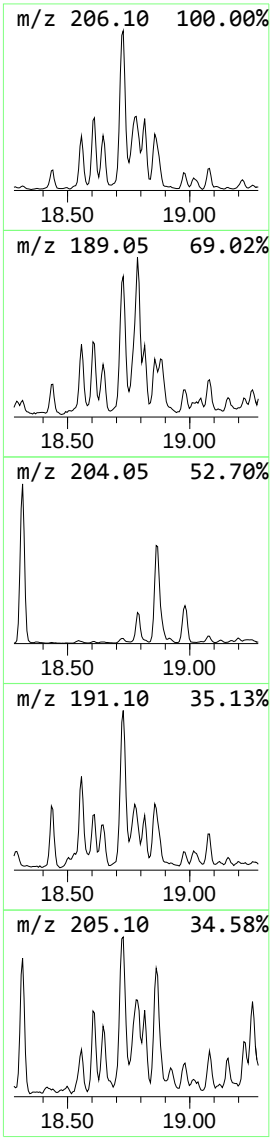
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.781	5.01 ng	436407	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

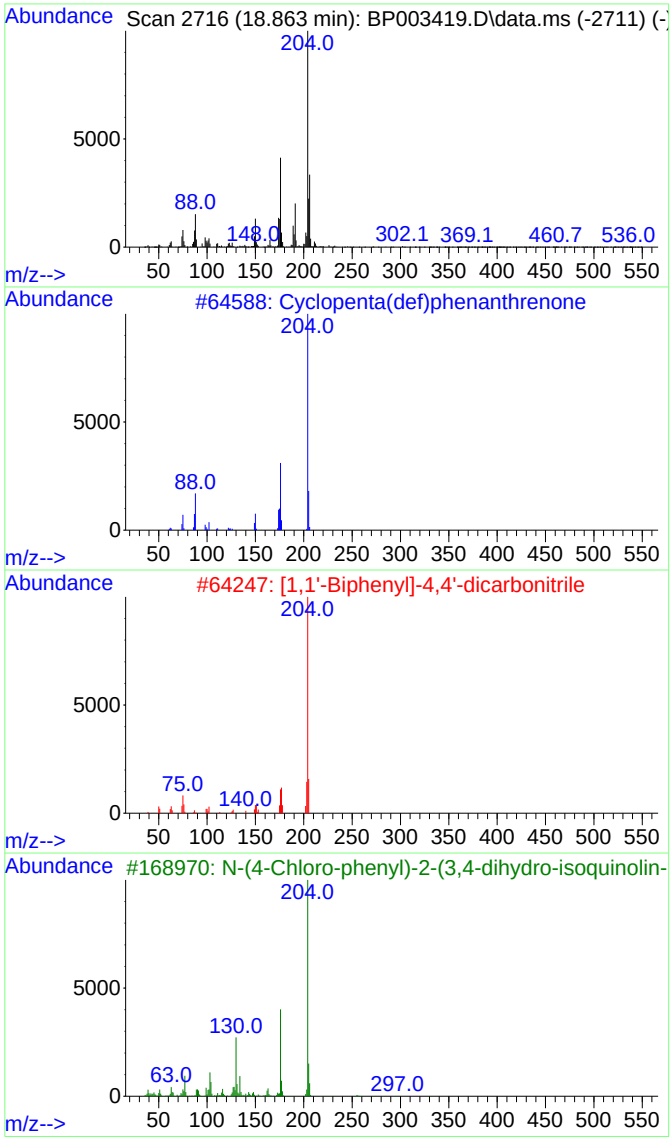
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

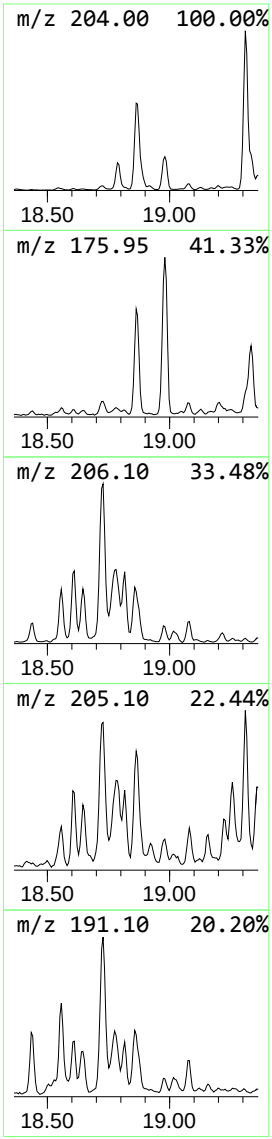
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.863	6.10 ng	531584	Phenanthrene-d10	16.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	43
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

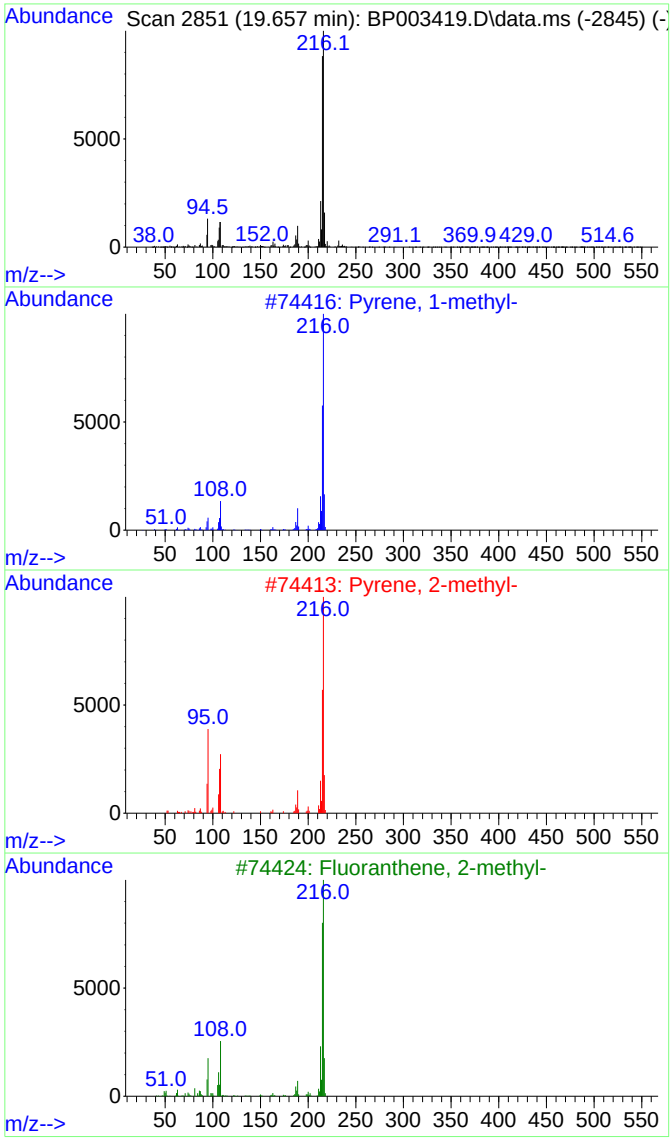
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

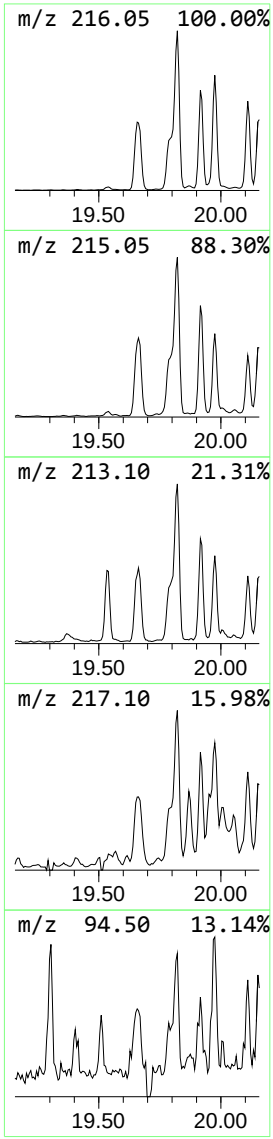
****

Peak Number 14 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.657	2.90 ng	816260	Chrysene-d12	21.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

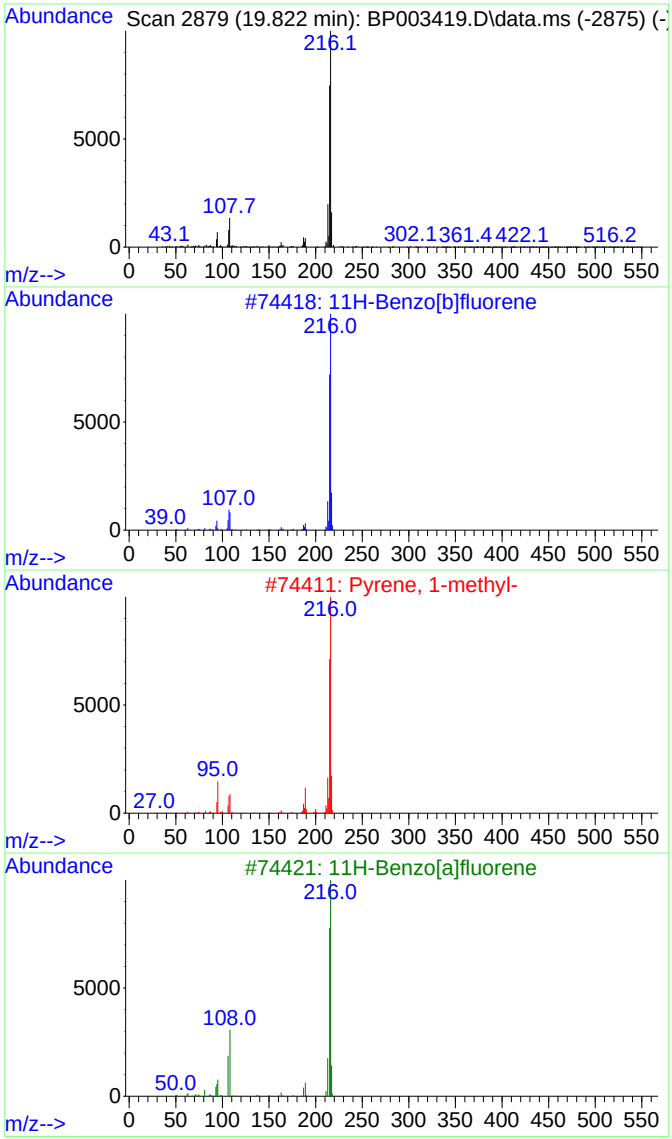
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

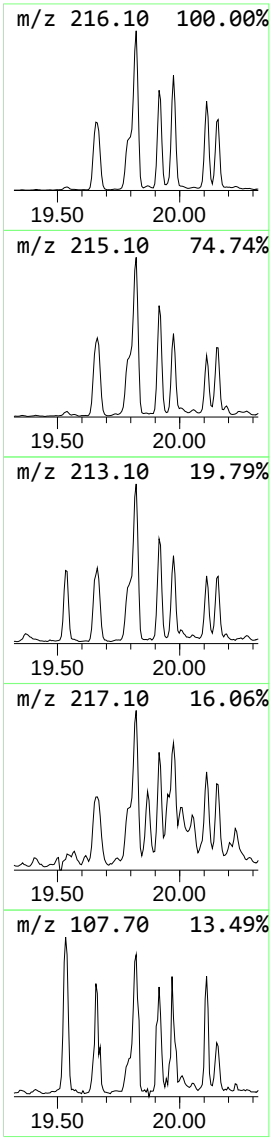
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.822	3.13 ng	881835	Chrysene-d12	21.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

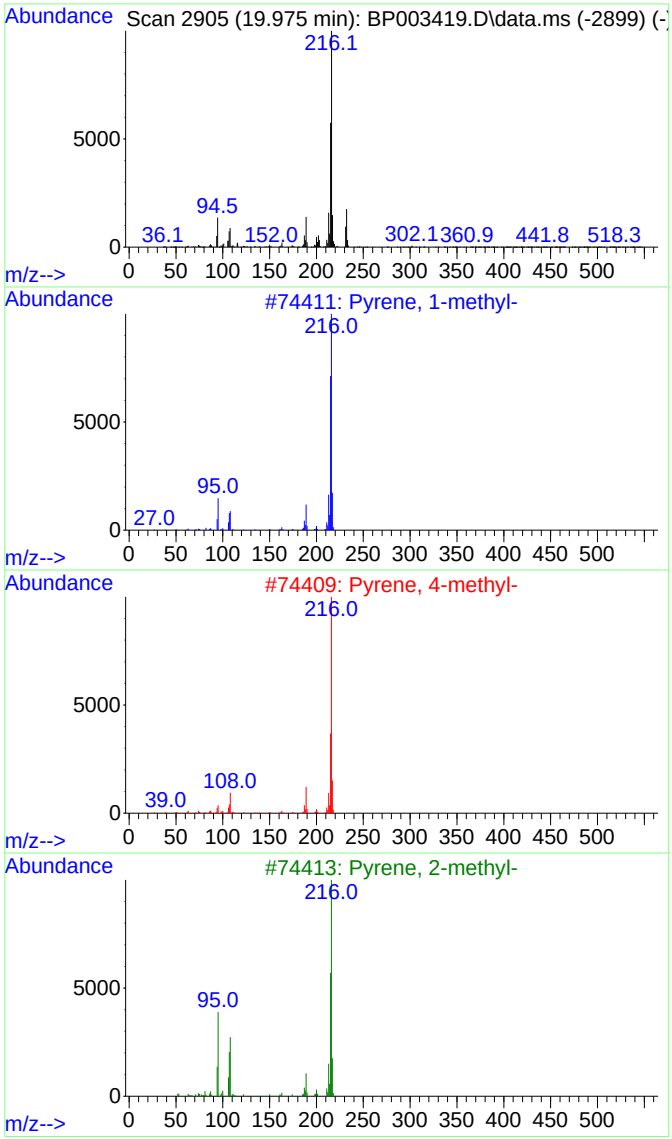
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

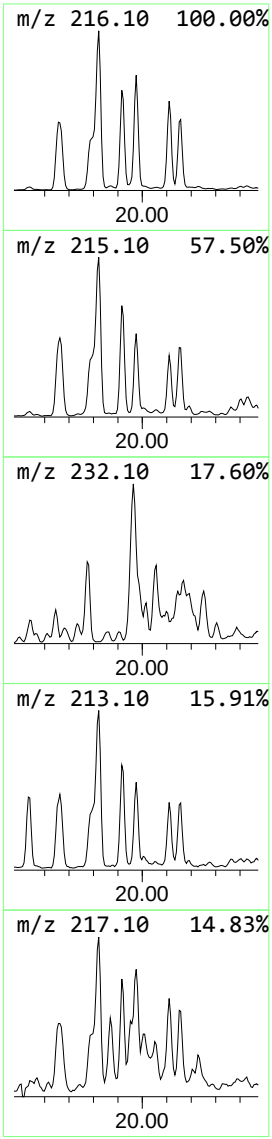
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.975	2.64 ng	743177	Chrysene-d12	21.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

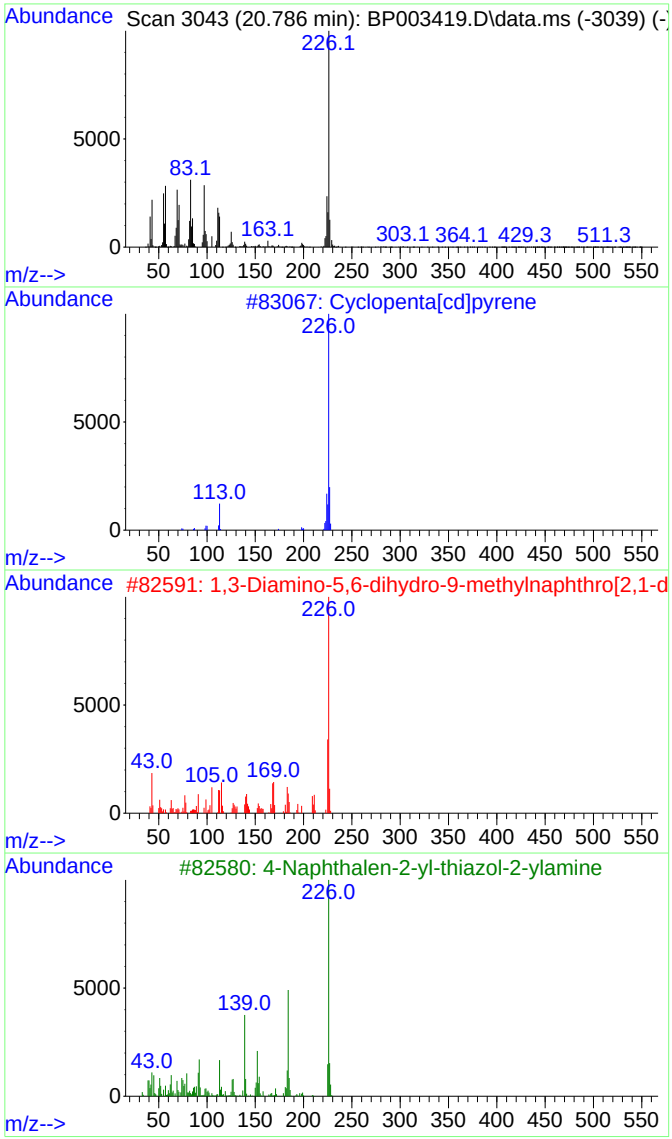
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

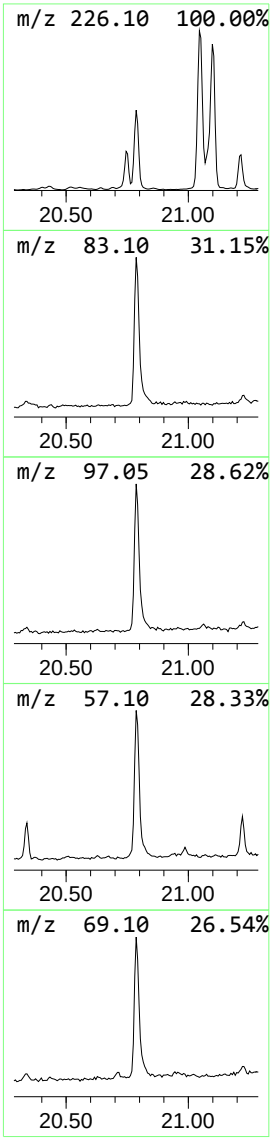
****

Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.786	4.98 ng	1402120	Chrysene-d12	21.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	38
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	38
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	37
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

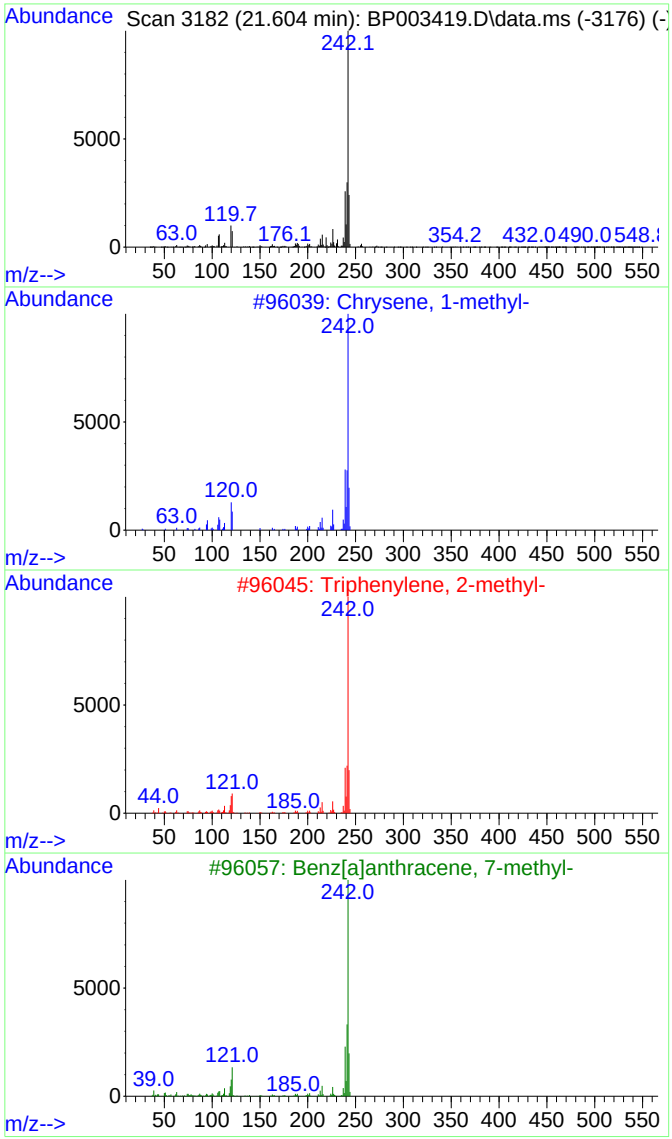
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

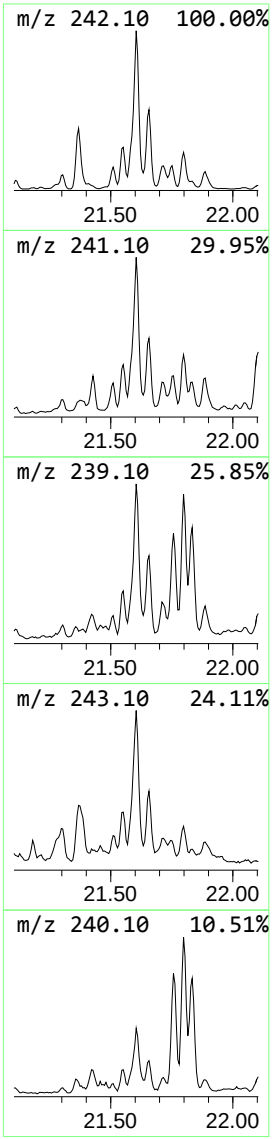
****

Peak Number 18 Chrysene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.604	2.92 ng	822005	Chrysene-d12	21.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
5	2-Methylchrysene	242	C19H14	003351-32-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

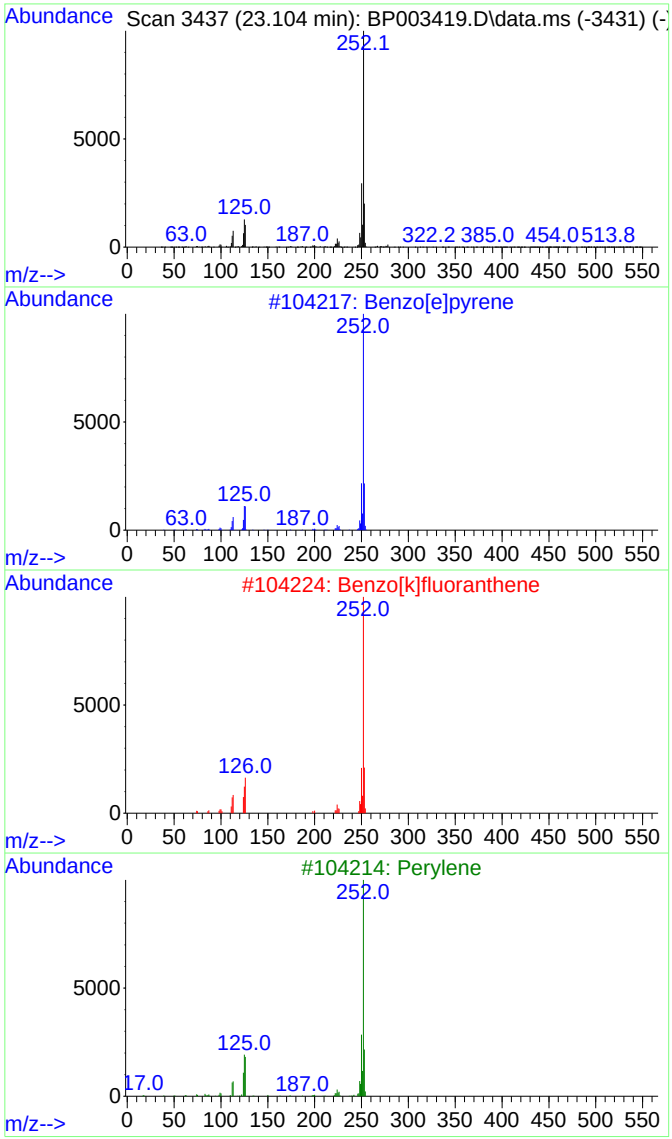
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

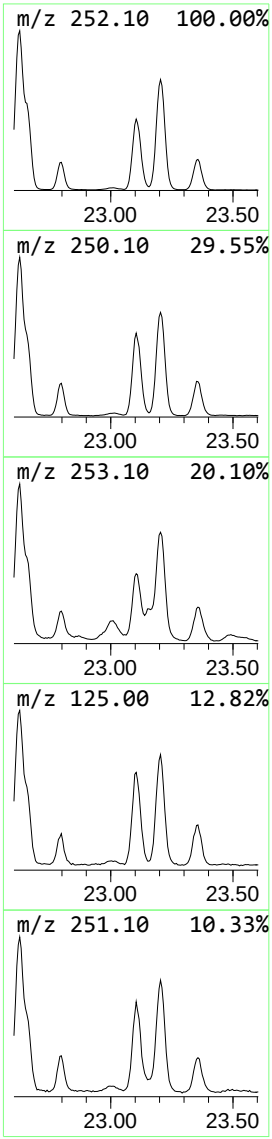
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.104	22.00 ng	1490900	Perylene-d12	23.304

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	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003419.D
Acq On : 30 Sep 2020 18:21
Operator : CG/JU
Sample : L4179-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-11(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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
2-Pentanone, 4-...	4.675	8.8	ng	332892	1	7.534	756058	20.0
9H-Fluoren-9-one	16.610	2.9	ng	253267	4	16.945	1743420	20.0
Naphtho[2,1-b]t...	16.763	3.3	ng	288321	4	16.945	1743420	20.0
Phenanthrene, 2...	17.828	8.0	ng	697367	4	16.945	1743420	20.0
Phenanthrene, 1...	17.875	9.8	ng	852425	4	16.945	1743420	20.0
1H-Cyclopropa[l...	17.951	3.8	ng	333704	4	16.945	1743420	20.0
4H-Cyclopenta[d...	18.016	14.3	ng	1243460	4	16.945	1743420	20.0
Phenanthrene, 9...	18.051	4.9	ng	428848	4	16.945	1743420	20.0
Naphthalene, 2-...	18.316	5.5	ng	479136	4	16.945	1743420	20.0
9,10-Anthracene...	18.363	4.1	ng	360763	4	16.945	1743420	20.0
Phenanthrene, 2...	18.728	6.3	ng	553944	4	16.945	1743420	20.0
Pyrene, 4,5,9,1...	18.781	5.0	ng	436407	4	16.945	1743420	20.0
Cyclopenta(def)...	18.863	6.1	ng	531584	4	16.945	1743420	20.0
Pyrene, 2-methyl-	19.657	2.9	ng	816260	5	21.063	5632070	20.0
11H-Benzo[b]flu...	19.822	3.1	ng	881835	5	21.063	5632070	20.0
Pyrene, 1-methyl-	19.975	2.6	ng	743177	5	21.063	5632070	20.0
Cyclopenta[cd]p...	20.786	5.0	ng	1402120	5	21.063	5632070	20.0
Chrysene, 1-met...	21.604	2.9	ng	822005	5	21.063	5632070	20.0
Benzo[e]pyrene	23.104	22.0	ng	1490900	6	23.304	1355430	20.0