LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : UNDER-PILE

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.040	5	9	16	rVB	157055	237606	1.75%	0.148%
2	5.393	403	409	425	rBV	1208689	2228765	16.38%	1.389%
3	6.975	668	678	697	rBV	1122182	2416919	17.77%	1.507%
4	7.787	808	816	833	rBV	1786554	3160030	23.23%	1.970%
5	8.946	1006	1013	1025	rBV	739454	1525962	11.22%	0.951%
6	10.581	1281	1291	1296	rBV	2380843	4493047	33.03%	2.801%
7	10.628	1296	1299	1310	rVB	655166	1196444	8.79%	0.746%
8	12.251	1568	1575	1588	rBV	330232	618815	4.55%	0.386%
9	12.469	1605	1612	1622	rVB	278089	493874	3.63%	0.308%
10	13.051	1704	1711	1727	rBV	2308493	3788154	27.85%	2.361%
11	13.269	1742	1748	1760	rVB2	121521	226733	1.67%	0.141%
12	13.463	1775	1781	1792	rVB	83486	185302	1.36%	0.116%
13	13.598	1796	1804	1813	rBV3	121507	338094	2.49%	0.211%
14	13.751	1824	1830	1836	rBV	240495	461456	3.39%	0.288%
15	13.810	1836	1840	1850	rVB	159789	259904	1.91%	0.162%
16	13.992	1864	1871	1875	rBV2	125898	246777	1.81%	0.154%
17	14.151	1889	1898	1910	rBV2	317268	608696	4.47%	0.379%
18	14.434	1935	1946	1952	rBV	3811078	6185046	45.47%	3.855%
19	14.498	1952	1957	1965	rVB	995861	1632240	12.00%	1.017%
20	14.645	1976	1982	1991	rBV2	69097	180283	1.33%	0.112%
21	14.745	1991	1999	2004	rBV3	111217	218834	1.61%	0.136%
22	14.834	2008	2014	2023	rVV	587717	1014660	7.46%	0.632%
23	14.916	2023	2028	2034	rVB	99778	169532	1.25%	0.106%
24	15.057	2046	2052	2057	rBV2	108305	209382	1.54%	0.131%
25	15.228	2073	2081	2085	rBV2	109982	257025	1.89%	0.160%
26	15.486	2118	2125	2137	rBV	945443	1614615	11.87%	1.006%
27	15.581	2137	2141	2143	rBV	103344	144947	1.07%	0.090%
28	15.610	2143	2146	2149	rVV2	131694	179208	1.32%	0.112%
29	15.651	2149	2153	2158	rVB2	161652	240550	1.77%	0.150%
30	15.786	2171	2176	2185	rVB	259226	492631	3.62%	0.307%
31	15.934	2194	2201	2209	rBV	1780126	3050014	22.42%	1.901%
32	16.022	2210	2216	2222	rVB3	89934	216487	1.59%	0.135%
33	16.169	2236	2241	2253	rVB3	233098	509819	3.75%	0.318%
34	16.498	2286	2297	2302	rBV3	232308	620691	4.56%	0.387%
35	16.545	2302	2305	2311	rVB2	138203	224808	1.65%	0.140%
36	16.651	2320	2323	2328	rVB2	104088	150270	1.10%	0.094%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.733	2328	2337	2340	rBV3	165277	396216	2.91%	0.247%
38	16.769	2340	2343	2347	rVB2	158935	221183	1.63%	0.138%
39	16.851	2352	2357	2364	rVV	362224	594721	4.37%	0.371%
40	16.945	2365	2373	2380	rVV4	201846	684456	5.03%	0.427%
41	17.010	2380	2384	2395	rVB	444687	819771	6.03%	0.511%
42	17.198	2409	2416	2419	rBV	3967272	6349490	46.67%	3.958%
43	17.239	2419	2423	2430	rVV	8234918	12301182	90.42%	7.668%
44	17.328	2430	2438	2445	rVV	1792030	2965422	21.80%	1.848%
45	17.392	2445	2449	2455	rVV3	205049	344005	2.53%	0.214%
46	17.604	2477	2485	2491	rBV2	720366	1380889	10.15%	0.861%
47	17.716	2500	2504	2510	rBV2	264585	376900	2.77%	0.235%
48	17.780	2511	2515	2524	rVB3	189907	325542	2.39%	0.203%
49	17.922	2536	2539	2544	rVB	98504	143941	1.06%	0.090%
50	18.069	2559	2564	2568	rVV	1109584	1642666	12.07%	1.024%
51	18.116	2568	2572	2579	rVV	1520302	2275108	16.72%	1.418%
52	18.198	2580	2586	2590	rVV	561629	859958	6.32%	0.536%
53	18.257	2590	2596	2600	rVV2	1455055	2783505	20.46%	1.735%
54	18.292	2600	2602	2609	rVB	783014	1069929	7.86%	0.667%
55	18.557	2643	2647	2651	rBV	647895	813135	5.98%	0.507%
56	18.598	2651	2654	2663	rVB	521922	731792	5.38%	0.456%
57	18.675	2665	2667	2674	rVB2	129172	179123	1.32%	0.112%
58	18.798	2684	2688	2692	rVB	319365	397391	2.92%	0.248%
59	18.845	2693	2696	2699	rBV	200661	223398	1.64%	0.139%
60	18.886	2700	2703	2707	rVB	228014	275775	2.03%	0.172%
61	18.963	2711	2716	2720	rBV	632713	1077034	7.92%	0.671%
62	19.098	2735	2739	2747	rVB	590539	1005837	7.39%	0.627%
63	19.222	2754	2760	2767	rBV	8812248	12246391	90.02%	7.633%
64	19.280	2768	2770	2773	rVV	178780	201231	1.48%	0.125%
65	19.316	2773	2776	2780	rVB2	242069	331332	2.44%	0.207%
66	19.457	2798	2800	2803	rVB	224177	214545	1.58%	0.134%
67	19.575	2810	2820	2828	rBV	7588817	13603901	100.00%	8.480%
68	19.645	2829	2832	2840	rVB2	512462	890915	6.55%	0.555%
69	19.769	2846	2853	2857	rBV2	2587869	3991108	29.34%	2.488%
70	19.810	2857	2860	2866	rVB	459178	697641	5.13%	0.435%
71	19.898	2869	2875	2880	rBV3	626668	1516211	11.15%	0.945%
72	19.986	2886	2890	2893	rBV	495415	665746	4.89%	0.415%
73	20.027	2893	2897	2898	rVV3	442227	587730	4.32%	0.366%
74	20.057	2900	2902	2907	rVB	817716	1020292	7.50%	0.636%
75	20.157	2916	2919	2923	rBV	593407	748174	5.50%	0.466%
76	20.216	2924	2929	2933	rVB2	751340	1202837	8.84%	0.750%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.351	2949	2952	2956	rBV	547090	704599	5.18%	0.439%
78	20.398	2956	2960	2964	rVB	581696	778877	5.73%	0.485%
79	20.798	3024	3028	3033	rBV	724960	1021798	7.51%	0.637%
80	20.998	3059	3062	3065	rVB	520377	565921	4.16%	0.353%
81	21.039	3065	3069	3074	rBV2	622656	1315851	9.67%	0.820%
82	21.304	3108	3114	3118	rBV3	5501936	11119243	81.74%	6.931%
83	21.345	3118	3121	3132	rVB	3492893	5222447	38.39%	3.255%
84	21.469	3139	3142	3148	rVB	625540	844451	6.21%	0.526%
85	22.986	3394	3400	3406	rBV2	2708848	7186403	52.83%	4.479%
86	23.504	3483	3488	3497	rVB	1809838	3680793	27.06%	2.294%
87	23.610	3500	3506	3514	rVB	2572966	5312248	39.05%	3.311%
88	23.715	3518	3524	3530	rBV2	2214037	4725341	34.74%	2.945%

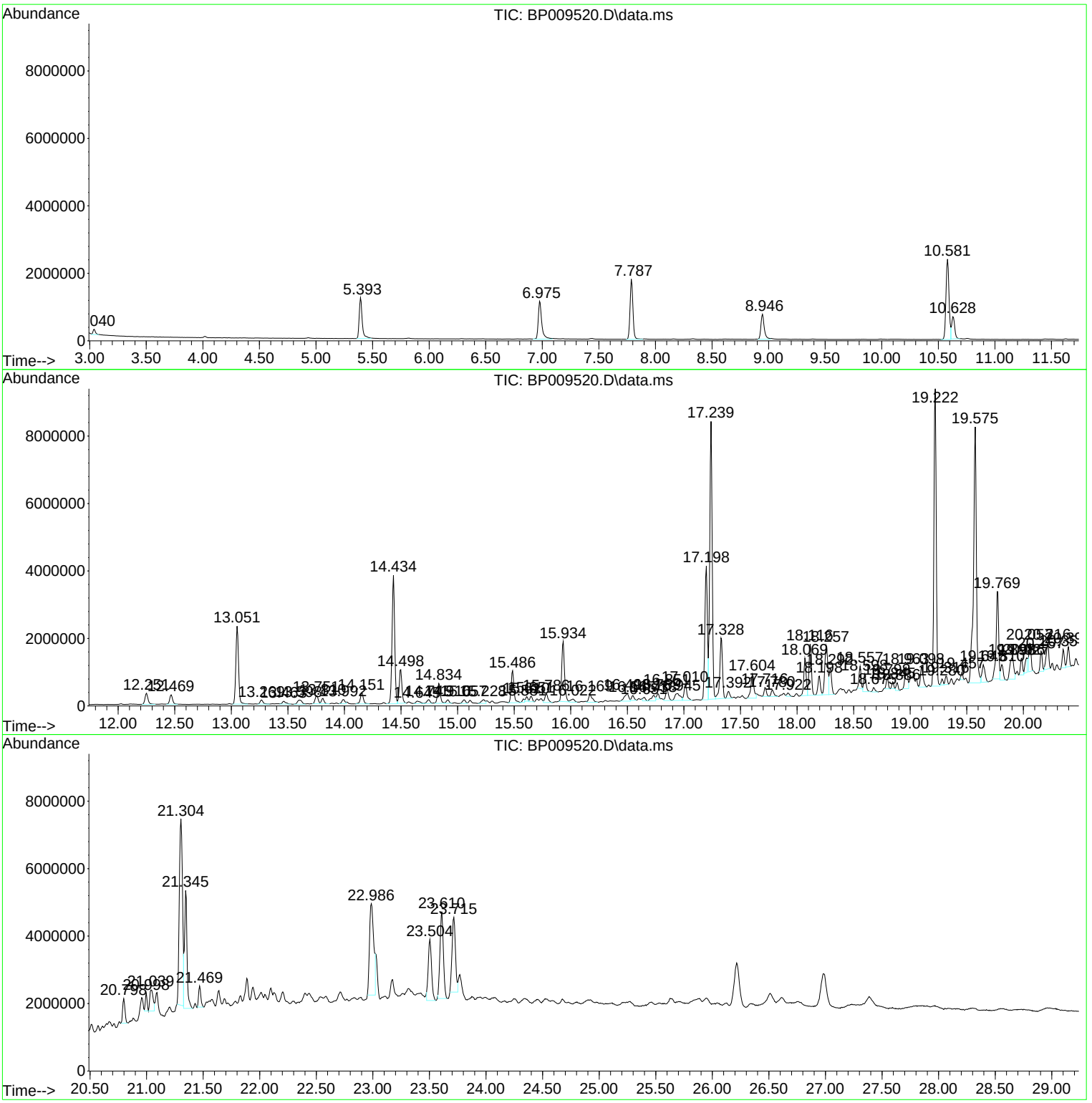
Sum of corrected areas: 160432015

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

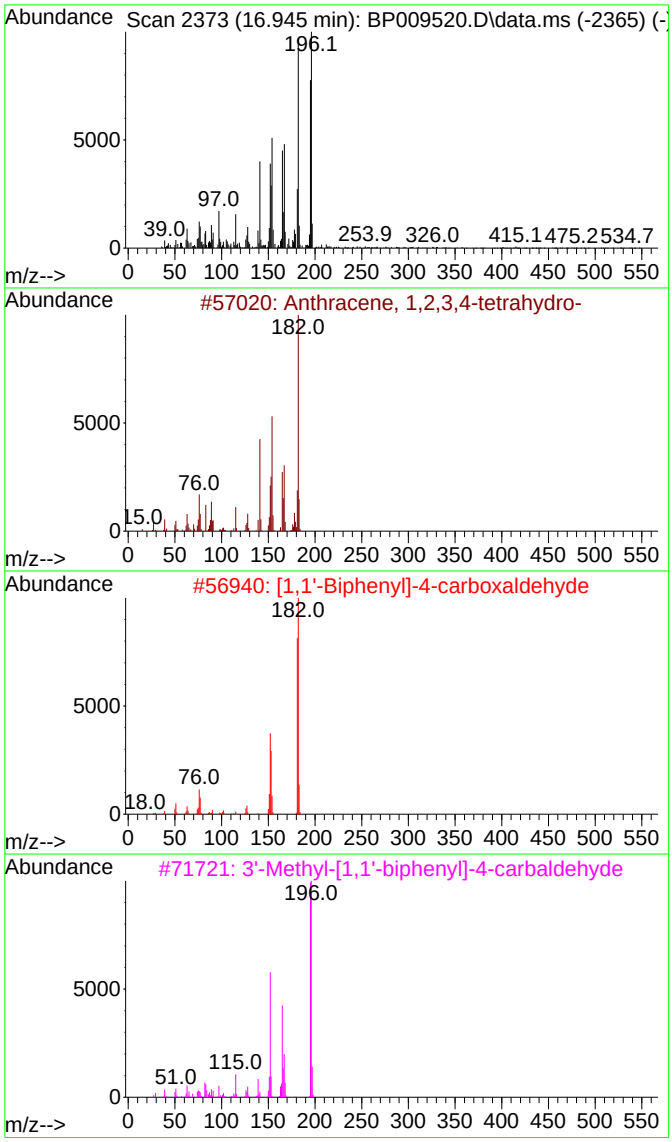
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

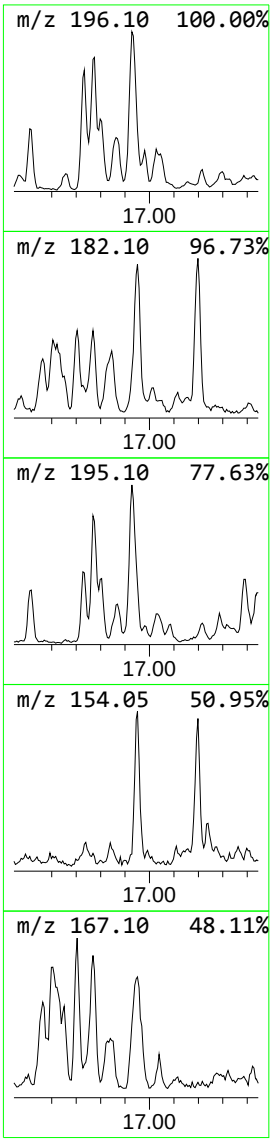
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.945	2.16 ng	684456	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	47
3	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	46
4	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	46
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

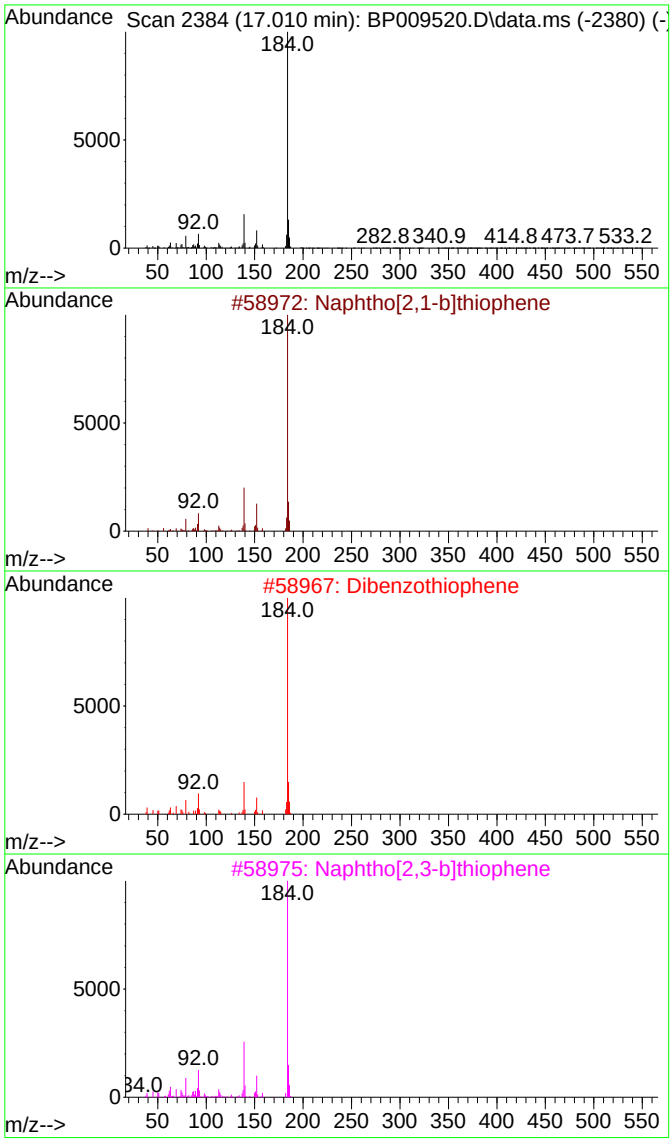
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

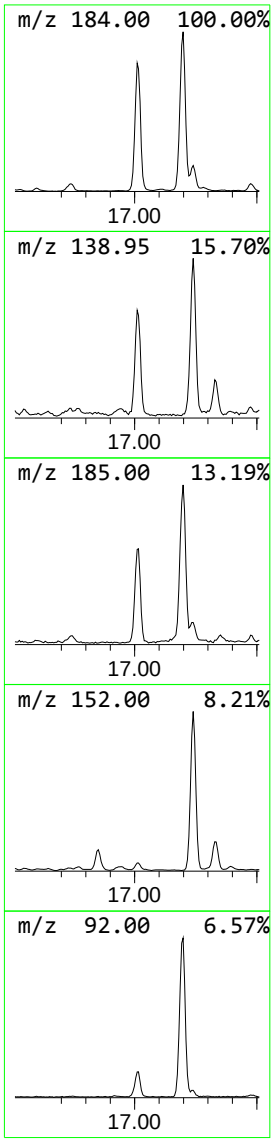
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	2.58 ng	819771	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

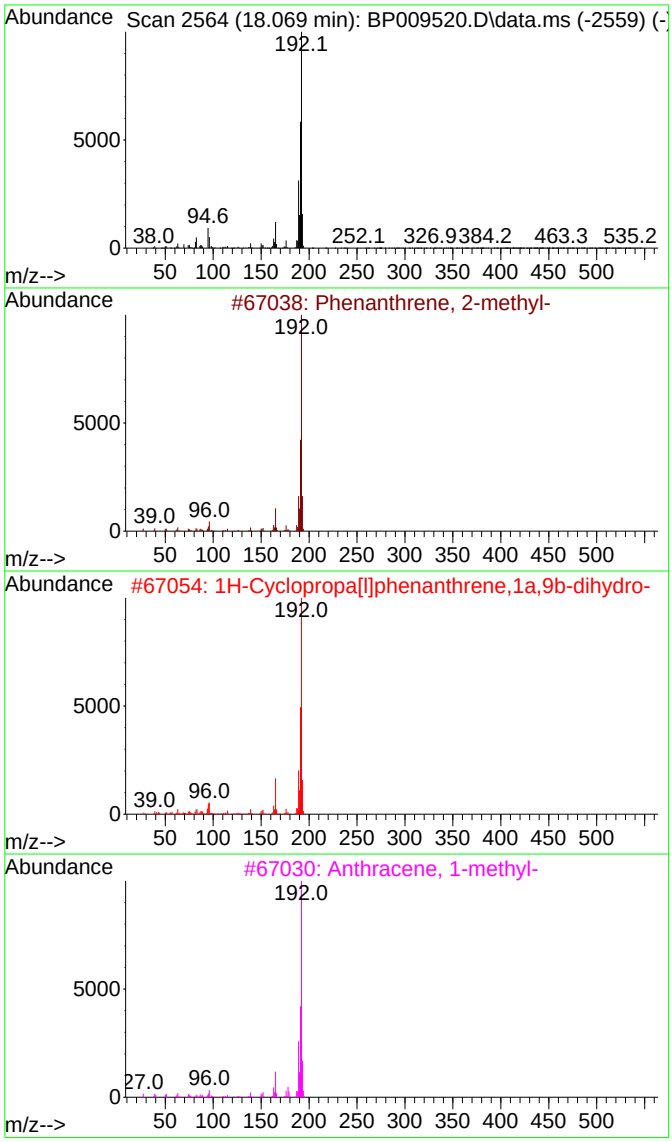
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

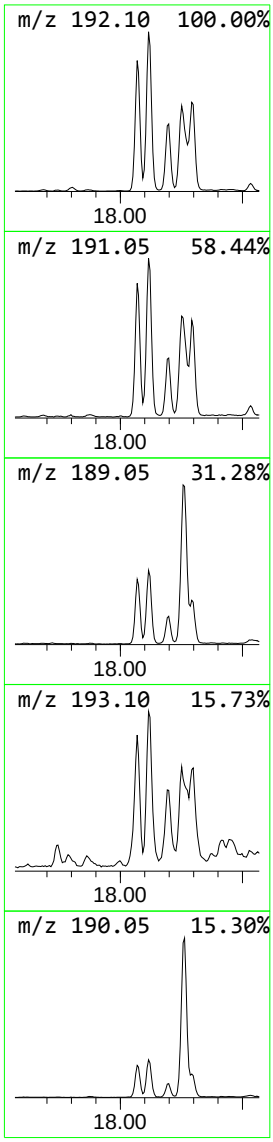
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.069	5.17 ng	1642670	Phenanthrene-d10	17.198

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

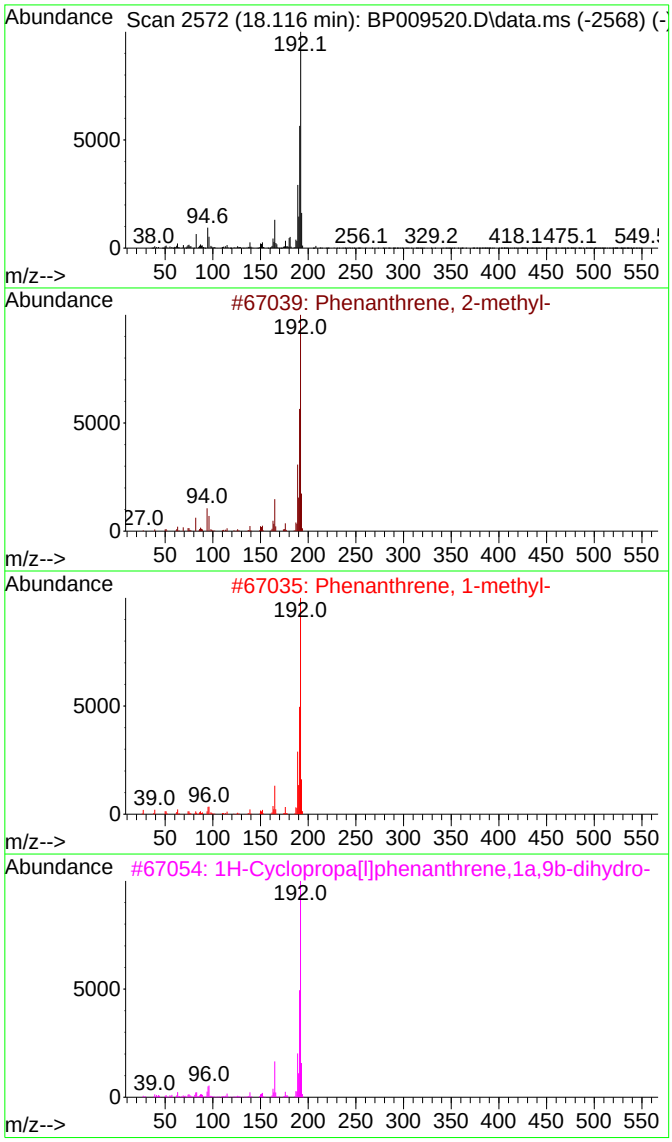
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

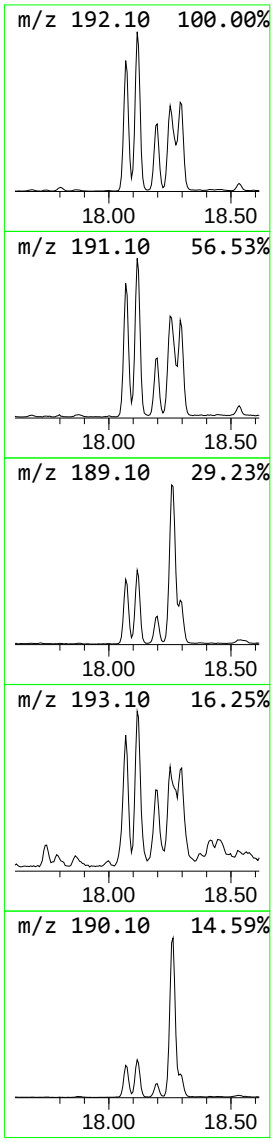
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.116	7.17 ng	2275110	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

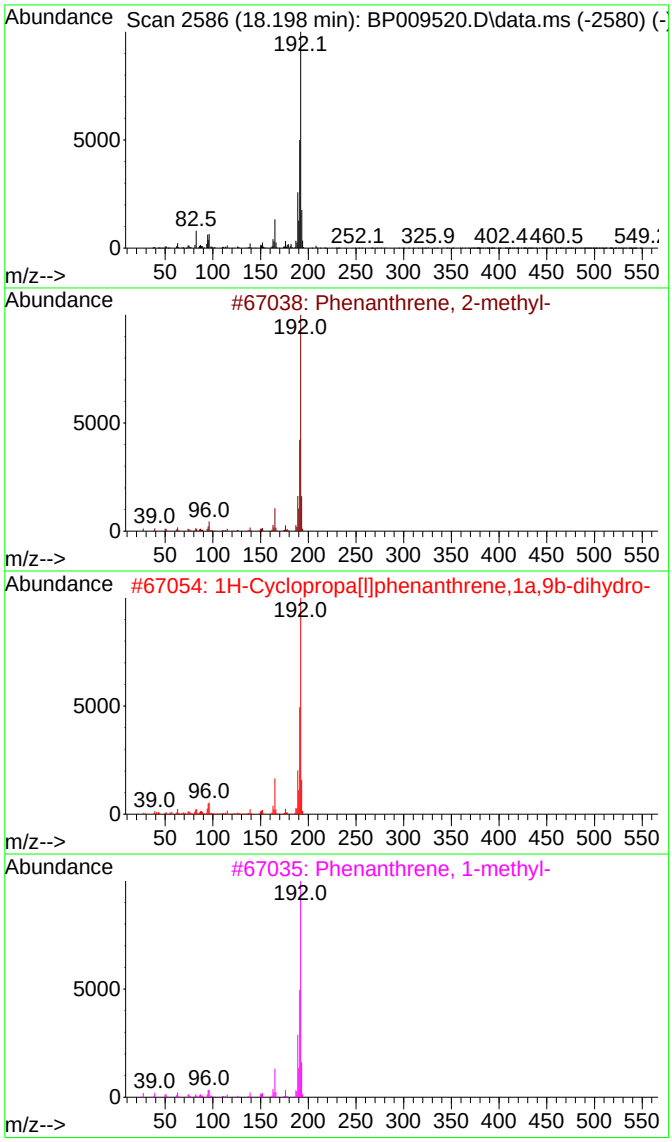
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

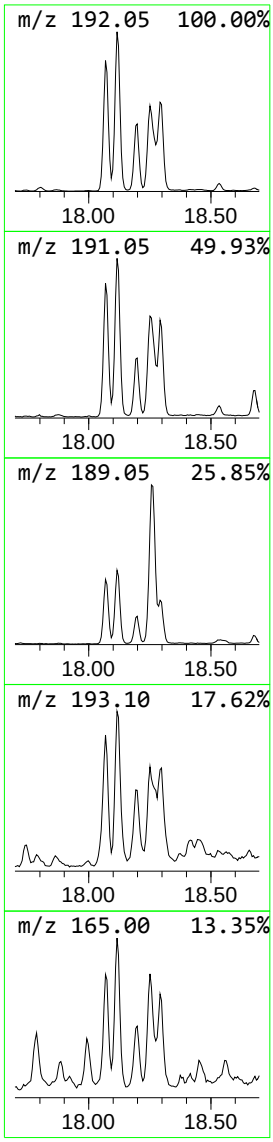
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	2.71 ng	859958	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

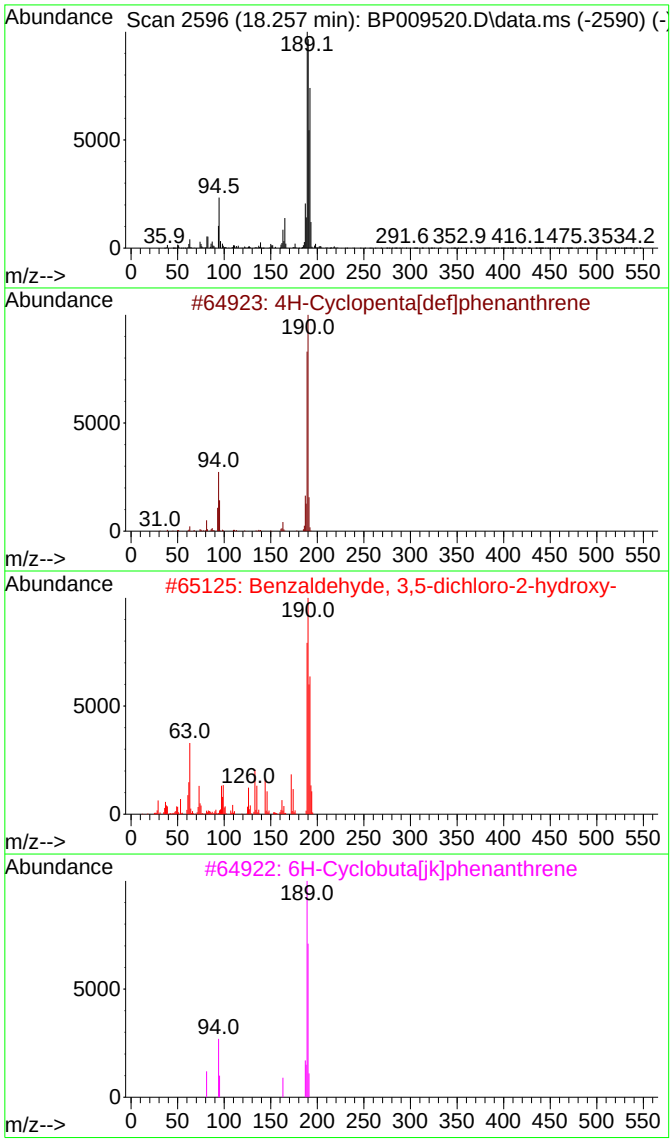
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

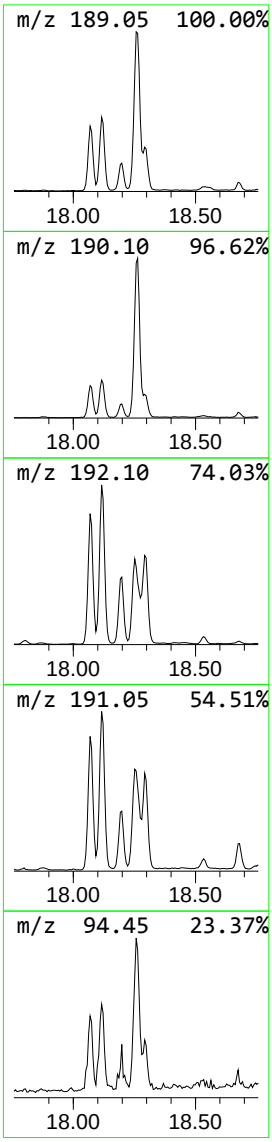
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.257	8.77 ng	2783510	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

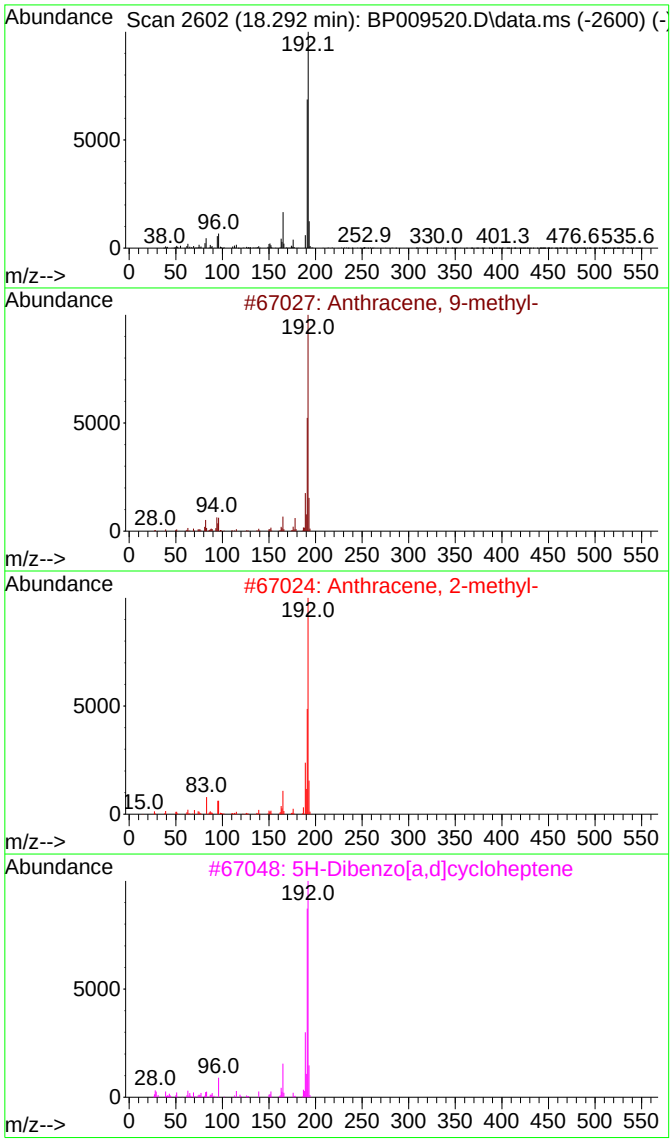
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

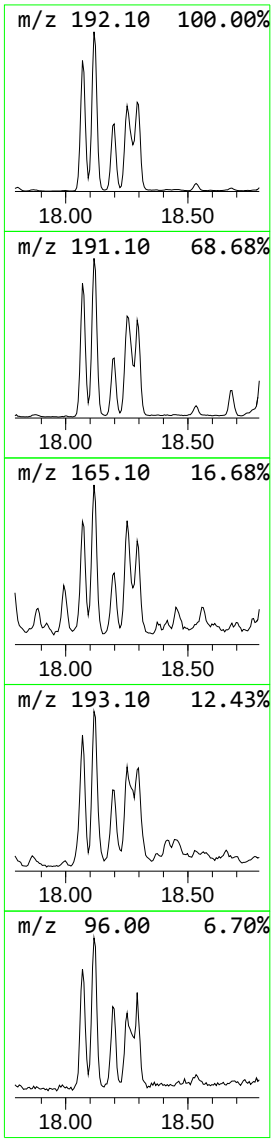
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.292	3.37 ng	1069930	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

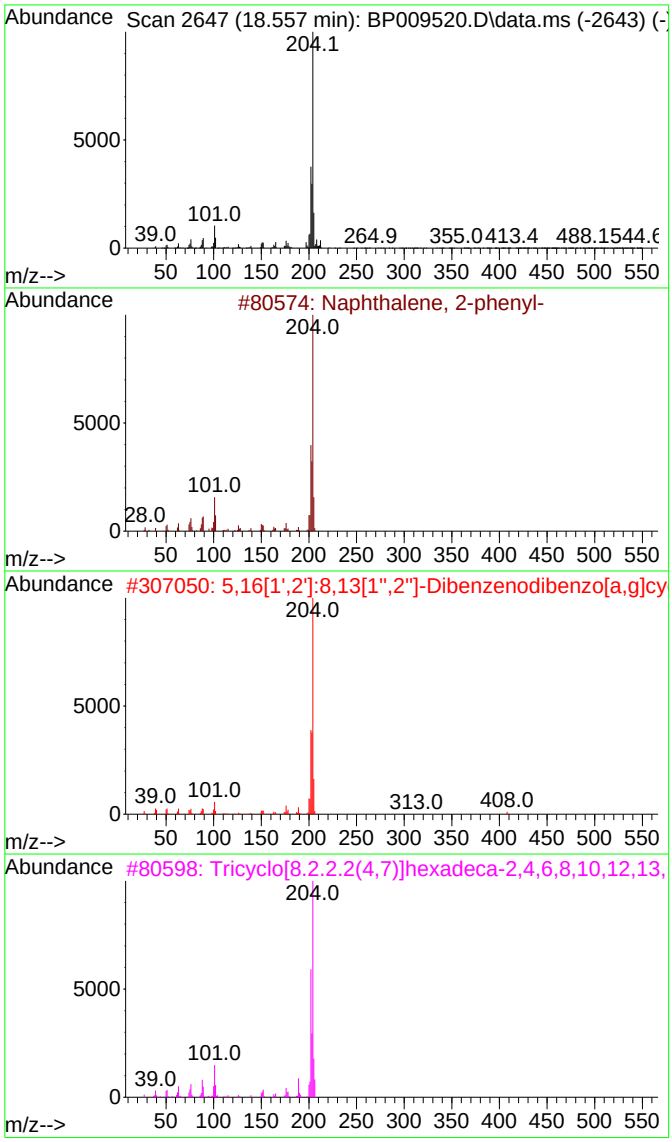
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

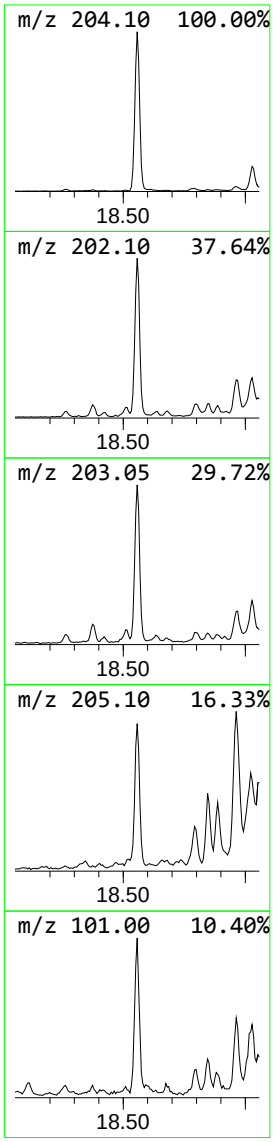
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.557	2.56 ng	813135	Phenanthrene-d10	17.198

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	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

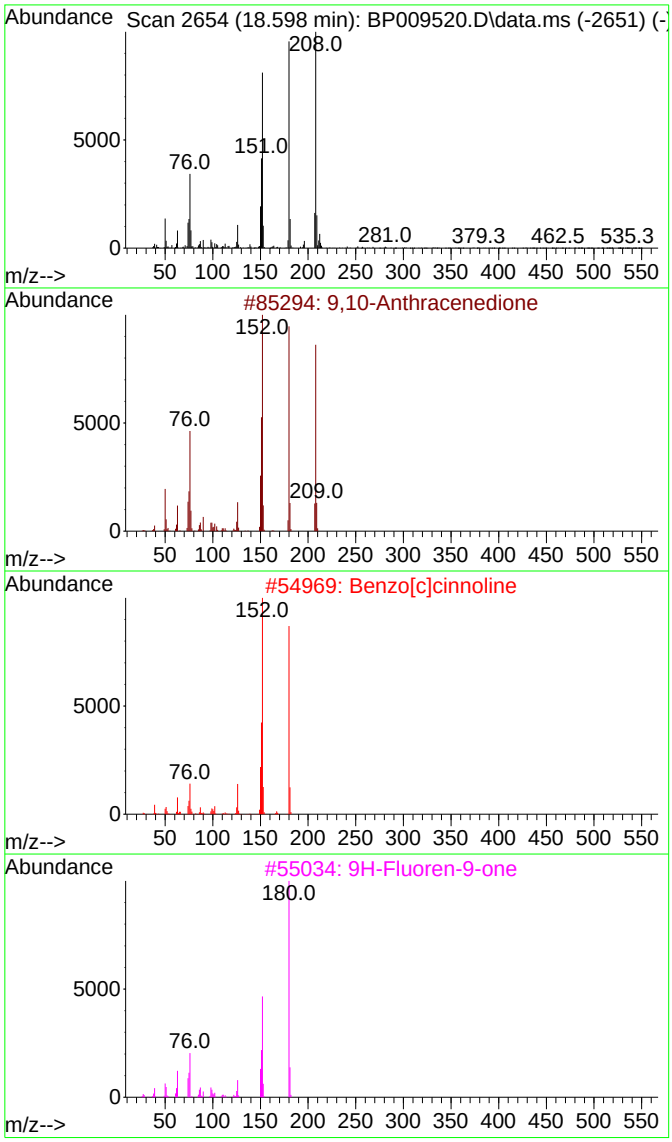
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

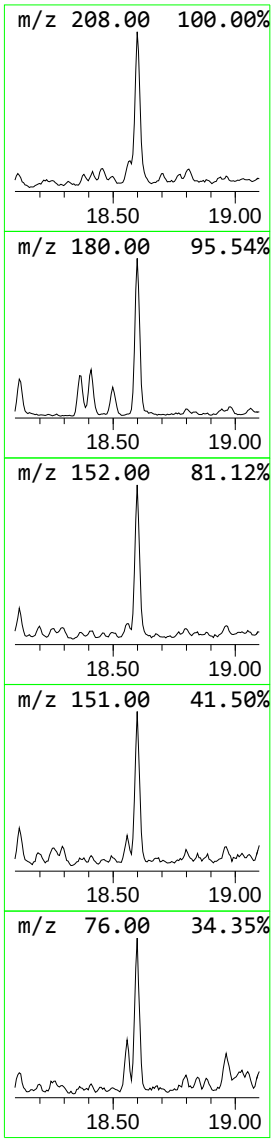
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	2.31 ng	731792	Phenanthrene-d10	17.198

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	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

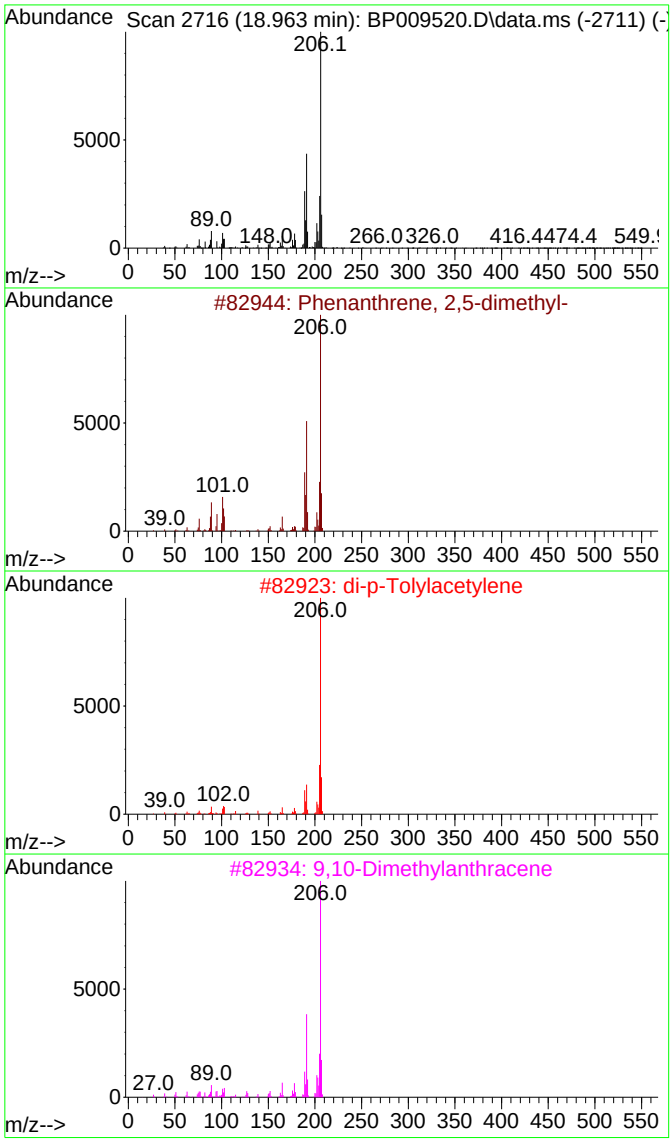
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

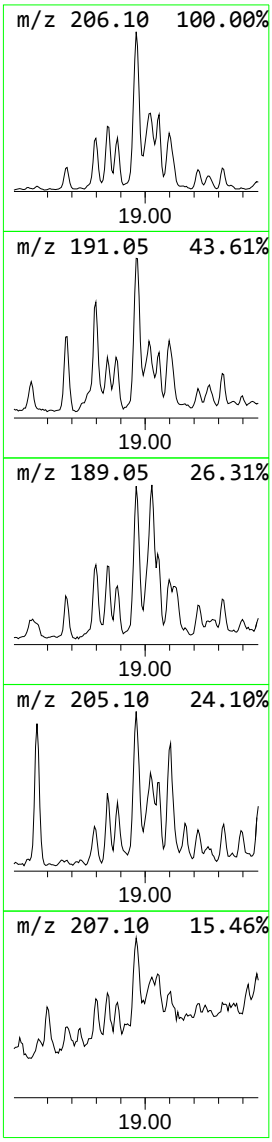
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.963	3.39 ng	1077030	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

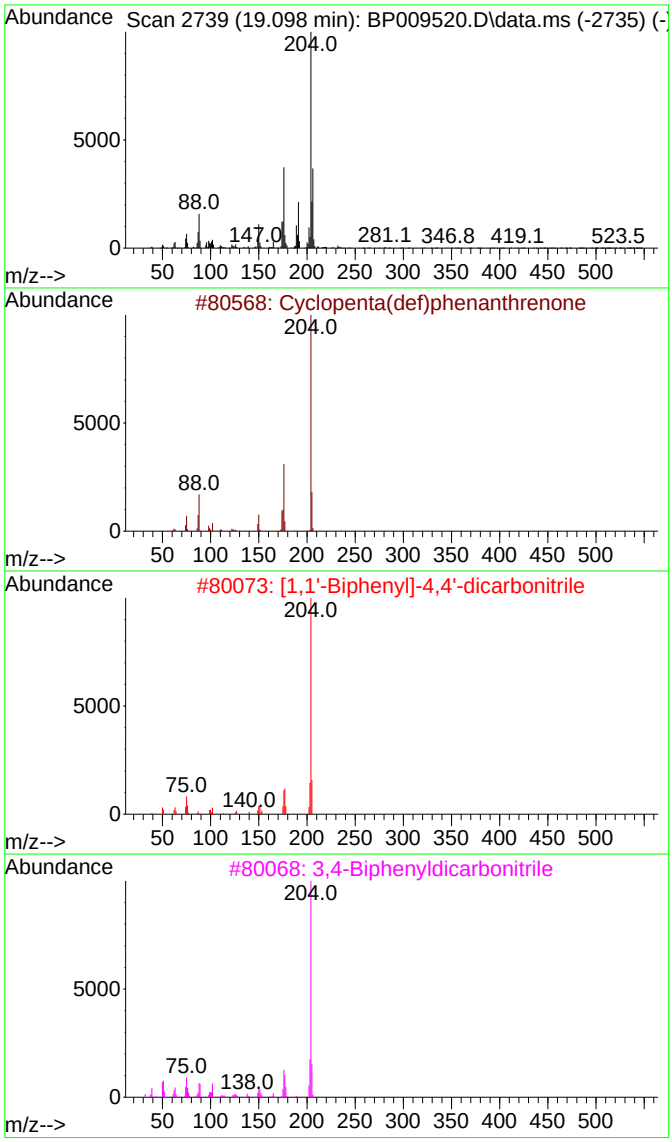
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

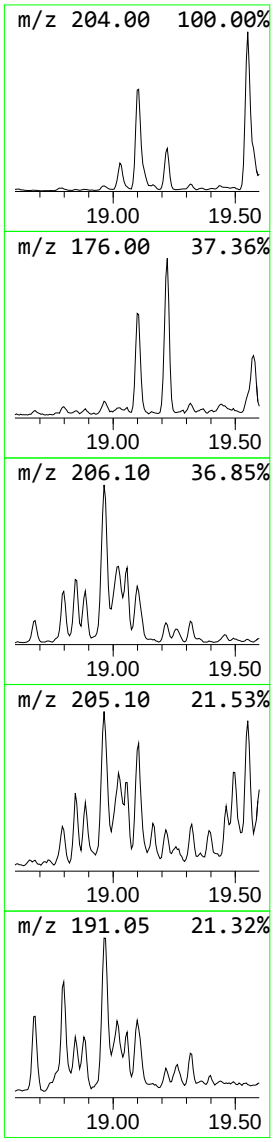
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	3.17 ng	1005840	Phenanthrene-d10	17.198

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	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
5	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

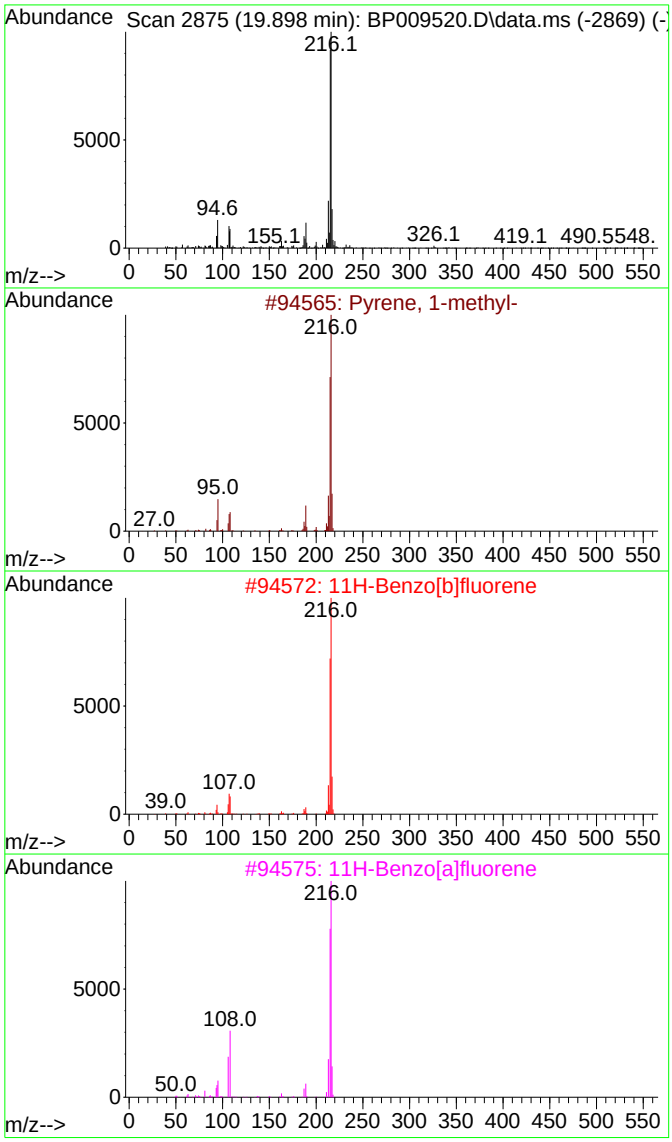
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

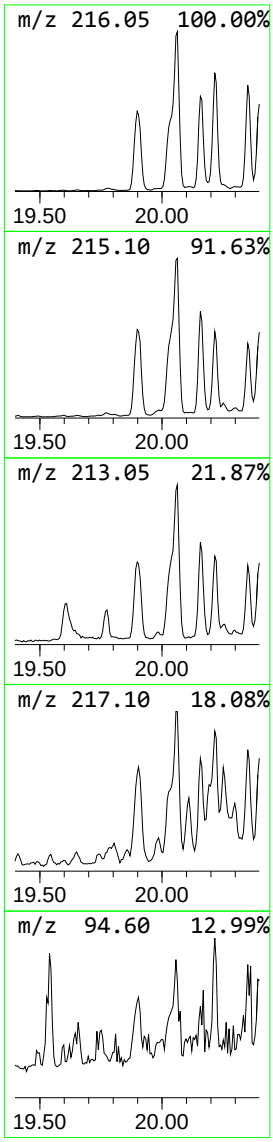
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.898	2.73 ng	1516210	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

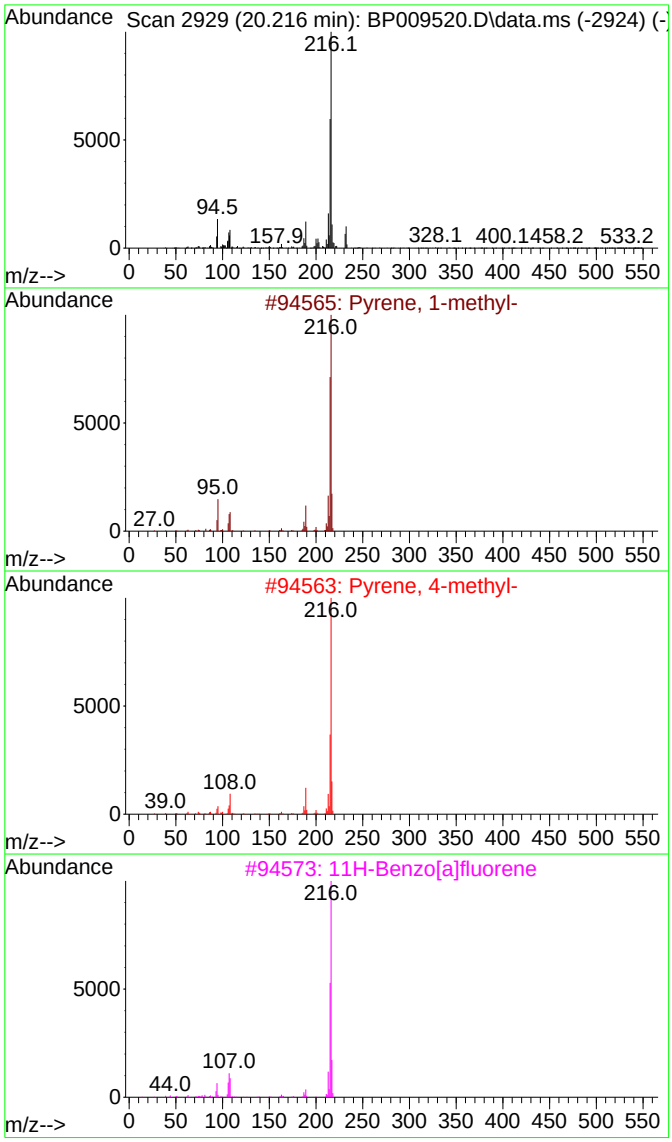
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

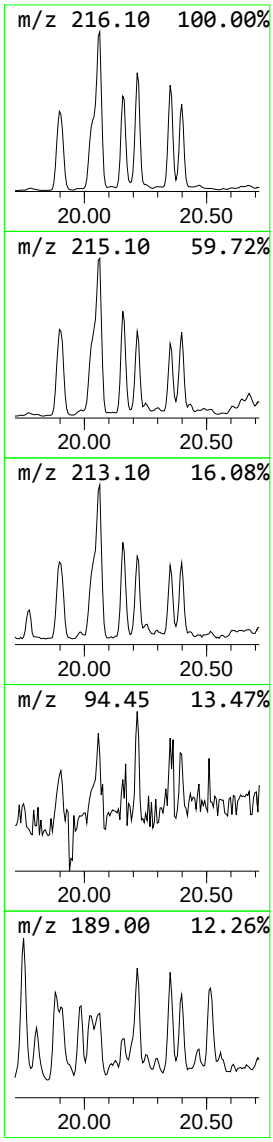
****

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.216	2.16 ng	1202840	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

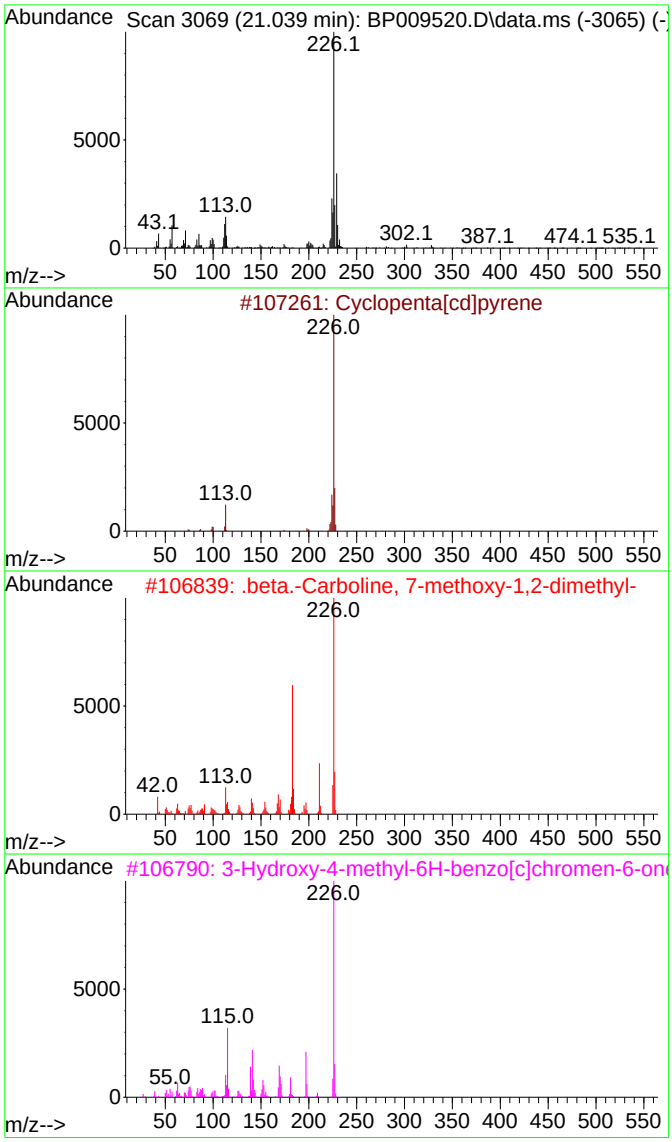
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

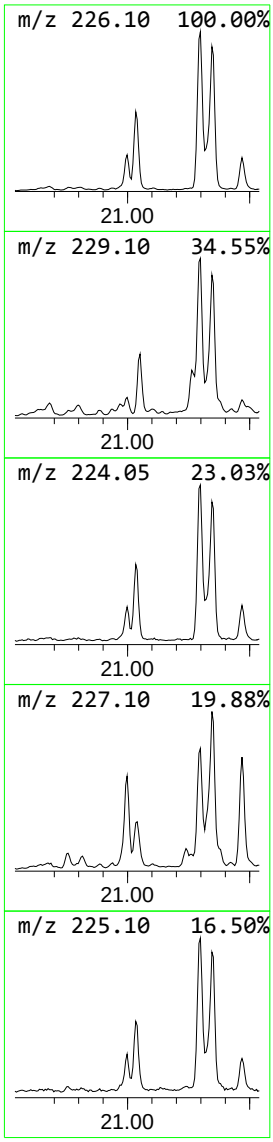
****

Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.039	2.37 ng	1315850	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
3	3-Hydroxy-4-methyl-6H-benzo[c]ch...	226	C14H10O3	076244-77-4	50
4	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	40
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

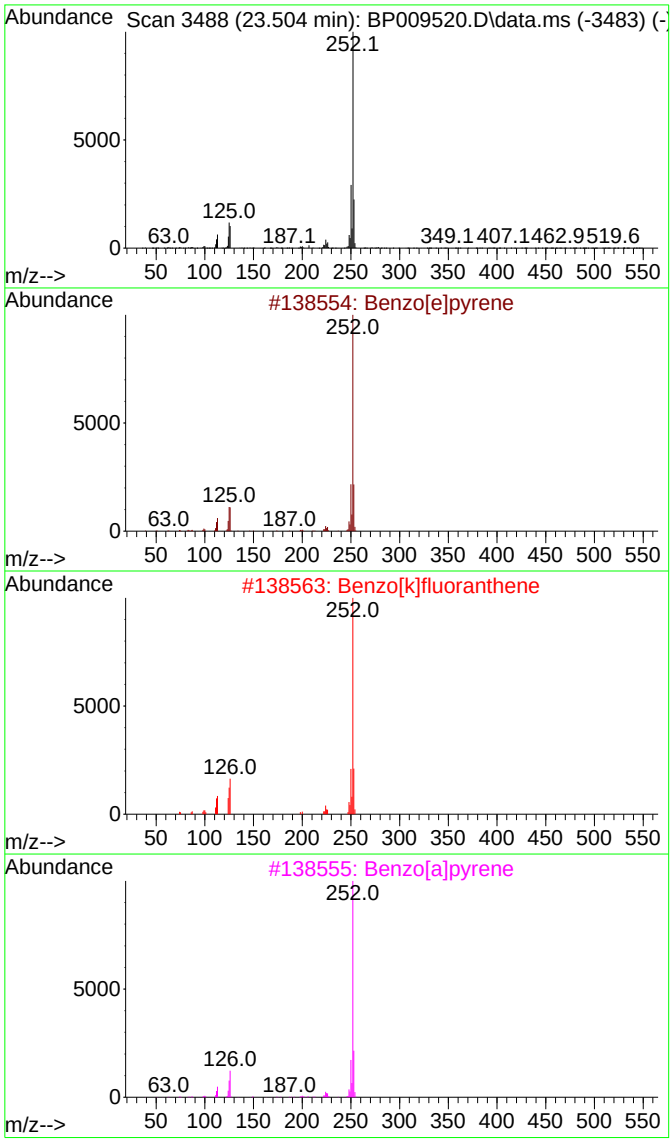
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

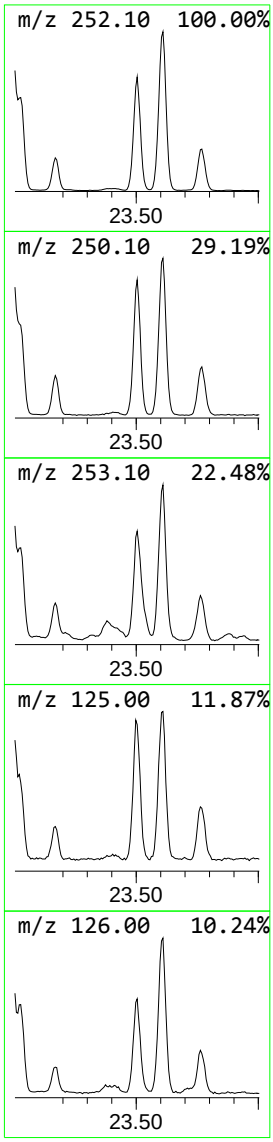
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.504	15.58 ng	3680790	Perylene-d12	23.715

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009520.D
Acq On : 23 Mar 2022 23:07
Operator : CG/JU
Sample : N2071-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.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
Anthracene, 1,2...	16.945	2.2	ng	684456	4	17.198	6349490	20.0
Naphtho[2,1-b]t...	17.010	2.6	ng	819771	4	17.198	6349490	20.0
Phenanthrene, 2...	18.069	5.2	ng	1642670	4	17.198	6349490	20.0
Phenanthrene, 1...	18.116	7.2	ng	2275110	4	17.198	6349490	20.0
1H-Cyclopropa[l...	18.198	2.7	ng	859958	4	17.198	6349490	20.0
4H-Cyclopenta[d...	18.257	8.8	ng	2783510	4	17.198	6349490	20.0
Anthracene, 9-m...	18.292	3.4	ng	1069930	4	17.198	6349490	20.0
Naphthalene, 2-...	18.557	2.6	ng	813135	4	17.198	6349490	20.0
9,10-Anthracene...	18.598	2.3	ng	731792	4	17.198	6349490	20.0
Phenanthrene, 2...	18.963	3.4	ng	1077030	4	17.198	6349490	20.0
Cyclopenta(def)...	19.098	3.2	ng	1005840	4	17.198	6349490	20.0
Pyrene, 1-methyl-	19.898	2.7	ng	1516210	5	21.310	11119200	20.0
Pyrene, 4-methyl-	20.216	2.2	ng	1202840	5	21.310	11119200	20.0
Cyclopenta[cd]p...	21.039	2.4	ng	1315850	5	21.310	11119200	20.0
Benzo[e]pyrene	23.504	15.6	ng	3680790	6	23.715	4725340	20.0