LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

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-BP060821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP006105.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.481	401	407	424	rBV	245427	407769	2.30%	0.228%
2	7.087	670	680	696	rBV	219024	420107	2.37%	0.235%
3	7.904	810	819	833	rBV	521916	873854	4.94%	0.489%
4	9.069	1011	1017	1025	rBV	142941	270710	1.53%	0.151%
5	10.704	1285	1295	1300	rBV	668170	1155352	6.53%	0.646%
6	10.751	1300	1303	1316	rVB	188301	319189	1.80%	0.179%
7	12.363	1570	1577	1587	rBV	111958	180919	1.02%	0.101%
8	12.581	1608	1614	1625	rVB	108696	179851	1.02%	0.101%
9	13.157	1700	1712	1725	rBV	463395	699921	3.95%	0.392%
10	13.857	1825	1831	1836	rBV	114392	203615	1.15%	0.114%
11	14.534	1936	1946	1951	rBV	966186	1468170	8.29%	0.821%
12	14.598	1951	1957	1964	rVB	933628	1361642	7.69%	0.762%
13	14.934	2007	2014	2022	rVV	481683	734545	4.15%	0.411%
14	15.581	2117	2124	2134	rBV	803548	1174917	6.64%	0.657%
15	15.745	2148	2152	2156	rVB	130457	177474	1.00%	0.099%
16	15.875	2170	2174	2181	rVB	219980	345565	1.95%	0.193%
17	16.022	2194	2199	2207	rVV2	503101	867207	4.90%	0.485%
18	16.257	2229	2239	2251	rVB6	119369	260250	1.47%	0.146%
19	16.563	2283	2291	2292	rBV2	125957	213492	1.21%	0.119%
20	16.586	2292	2295	2299	rVV2	168280	251693	1.42%	0.141%
21	16.939	2350	2355	2361	rVB	491965	702213	3.97%	0.393%
22	17.098	2377	2382	2393	rVB	531058	765334	4.32%	0.428%
23	17.286	2408	2414	2417	rBV	944459	1552407	8.77%	0.869%
24	17.333	2417	2422	2428	rVV	8468593	13561498	76.60%	7.588%
25	17.416	2428	2436	2442	rVV	1925420	2959977	16.72%	1.656%
26	17.480	2442	2447	2451	rVB3	118035	211621	1.20%	0.118%
27	17.692	2474	2483	2494	rBV2	939086	1741443	9.84%	0.974%
28	17.798	2497	2501	2507	rVV2	210639	324196	1.83%	0.181%
29	17.863	2507	2512	2520	rVB3	199234	366743	2.07%	0.205%
30	18.145	2555	2560	2564	rBV	1035239	1433166	8.10%	0.802%
31	18.192	2564	2568	2574	rVB	1476800	2060435	11.64%	1.153%
32	18.275	2575	2582	2586	rBV	477807	735543	4.15%	0.412%
33	18.339	2586	2593	2596	rBV2	1584763	2757672	15.58%	1.543%
34	18.369	2596	2598	2604	rVB	775745	921960	5.21%	0.516%
35	18.439	2606	2610	2614	rBV2	144491	208090	1.18%	0.116%
36	18.627	2637	2642	2646	rBV	833217	1108553	6.26%	0.620%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

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-BP060821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.680	2646	2651	2657	rVB	1037714	1336775	7.55%	0.748%
38	18.863	2675	2682	2686	rBV2	306260	499484	2.82%	0.279%
39	18.916	2687	2691	2694	rVV	237516	311553	1.76%	0.174%
40	18.951	2694	2697	2701	rVB	219999	272099	1.54%	0.152%
41	19.027	2705	2710	2714	rBV	547666	919997	5.20%	0.515%
42	19.092	2715	2721	2724	rVV3	338699	783286	4.42%	0.438%
43	19.122	2724	2726	2729	rVV	209596	230845	1.30%	0.129%
44	19.180	2730	2736	2742	rVB2	636988	1097378	6.20%	0.614%
45	19.304	2748	2757	2761	rBV	11571919	17281967	97.62%	9.669%
46	19.345	2761	2764	2767	rVV2	193916	254850	1.44%	0.143%
47	19.386	2767	2771	2775	rVB	351460	471613	2.66%	0.264%
48	19.486	2782	2788	2790	rBV4	214454	384062	2.17%	0.215%
49	19.521	2791	2794	2798	rVB	345765	465445	2.63%	0.260%
50	19.651	2805	2816	2821	rBV2	9784959	17703355	100.00%	9.905%
51	19.704	2821	2825	2832	rVB2	580118	887144	5.01%	0.496%
52	19.821	2839	2845	2850	rBV2	760795	1474328	8.33%	0.825%
53	19.874	2850	2854	2861	rVB	503726	762165	4.31%	0.426%
54	19.957	2861	2868	2873	rBV2	705357	1745001	9.86%	0.976%
55	20.010	2873	2877	2884	rVB	215075	329249	1.86%	0.184%
56	20.080	2884	2889	2892	rBV5	587890	1044819	5.90%	0.585%
57	20.121	2892	2896	2900	rVB	1229997	1731282	9.78%	0.969%
58	20.216	2908	2912	2916	rBV	731064	903507	5.10%	0.506%
59	20.274	2916	2922	2925	rVV2	945905	1585258	8.95%	0.887%
60	20.310	2925	2928	2932	rVV2	371435	483273	2.73%	0.270%
61	20.351	2932	2935	2940	rVB2	241137	312760	1.77%	0.175%
62	20.410	2941	2945	2948	rBV2	598683	741908	4.19%	0.415%
63	20.451	2948	2952	2956	rVB	538011	710595	4.01%	0.398%
64	20.810	3010	3013	3016	rBV3	145676	213363	1.21%	0.119%
65	20.851	3016	3020	3025	rVB	1277507	1582840	8.94%	0.886%
66	21.010	3042	3047	3050	rBV2	1073115	1621387	9.16%	0.907%
67	21.045	3050	3053	3057	rVV	1083715	1362997	7.70%	0.763%
68	21.092	3057	3061	3065	rVV2	1044122	1674261	9.46%	0.937%
69	21.145	3066	3070	3079	rVB	1373511	1828083	10.33%	1.023%
70	21.351	3096	3105	3110	rBV3	6483924	11641854	65.76%	6.514%
71	21.404	3110	3114	3123	rVB	5592920	7730715	43.67%	4.325%
72	21.515	3130	3133	3139	rBV	982766	1237797	6.99%	0.693%
73	21.574	3140	3143	3146	rBV4	275055	391953	2.21%	0.219%
74	21.680	3157	3161	3166	rVB2	726235	1131143	6.39%	0.633%
75	21.733	3167	3170	3173	rVV2	210333	250334	1.41%	0.140%
76	21.868	3189	3193	3197	rBV2	347272	533796	3.02%	0.299%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

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-BP060821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.927	3199	3203	3207	rVV	962559	1472142	8.32%	0.824%
78	21.980	3209	3212	3219	rVB2	494788	778402	4.40%	0.436%
79	22.139	3235	3239	3243	rBV2	512105	898963	5.08%	0.503%
80	22.239	3252	3256	3261	rVB2	432155	663572	3.75%	0.371%
81	22.451	3288	3292	3298	rBV2	333822	594339	3.36%	0.333%
82	22.757	3339	3344	3355	rVB2	476478	1028104	5.81%	0.575%
83	23.045	3384	3393	3397	rBV	4488183	11378939	64.28%	6.366%
84	23.215	3417	3422	3428	rVB	866124	1411015	7.97%	0.789%
85	23.557	3473	3480	3490	rVB	2707172	5821879	32.89%	3.257%
86	23.668	3491	3499	3506	rBV	3931025	8167798	46.14%	4.570%
87	23.768	3511	3516	3520	rVV2	765506	1602526	9.05%	0.897%
88	23.821	3520	3525	3534	rVB	1316518	2826918	15.97%	1.582%
89	26.315	3937	3949	3959	rVB	2225733	7267538	41.05%	4.066%
90	27.092	4072	4081	4096	rVB	1704630	5919970	33.44%	3.312%

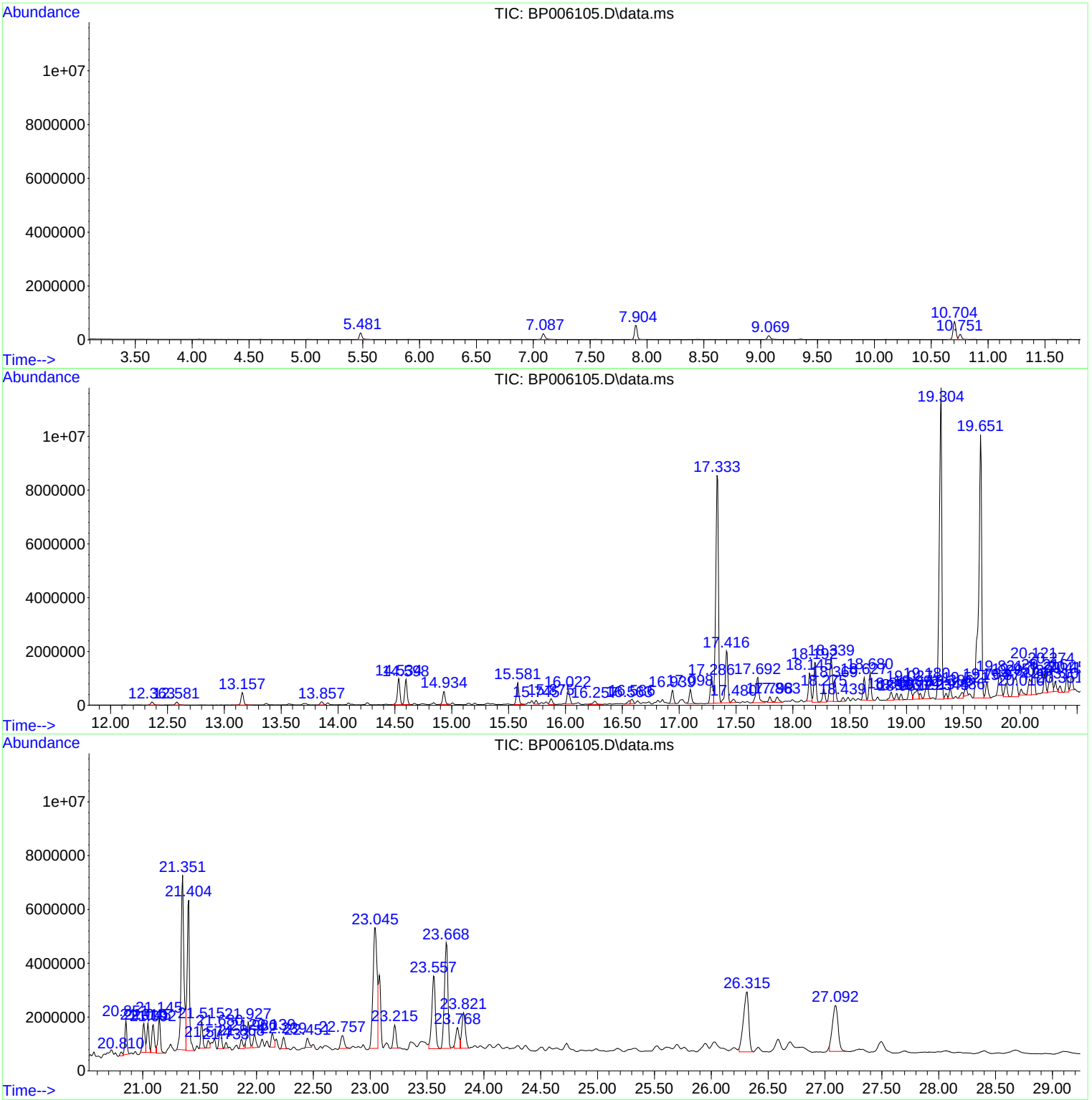
Sum of corrected areas: 178733719

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.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\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

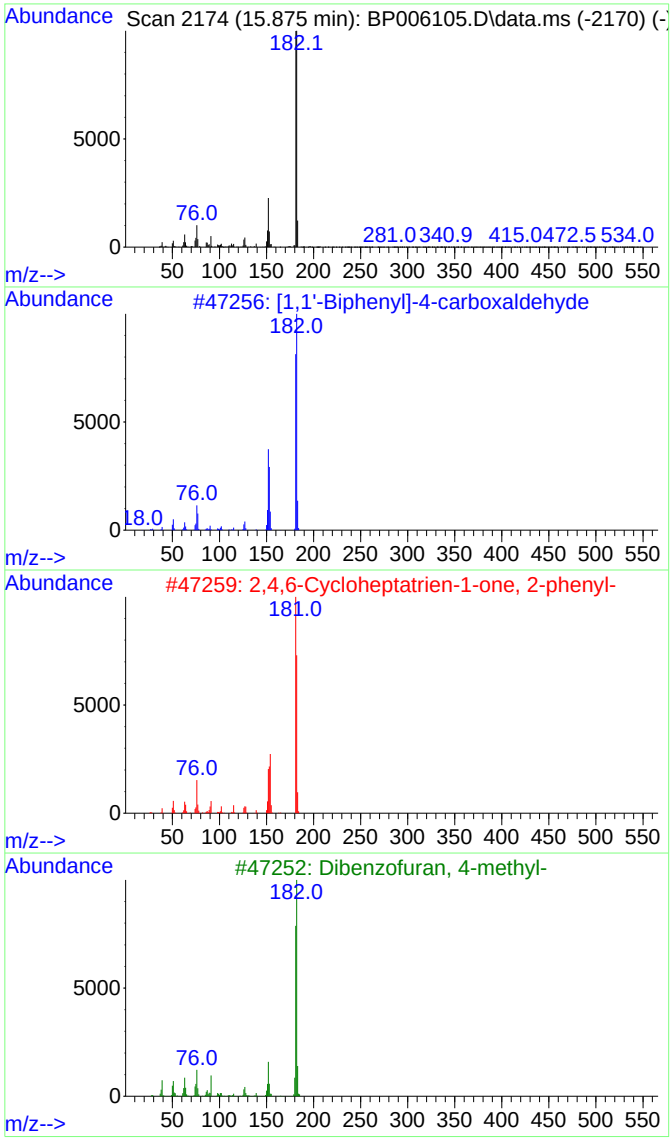
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

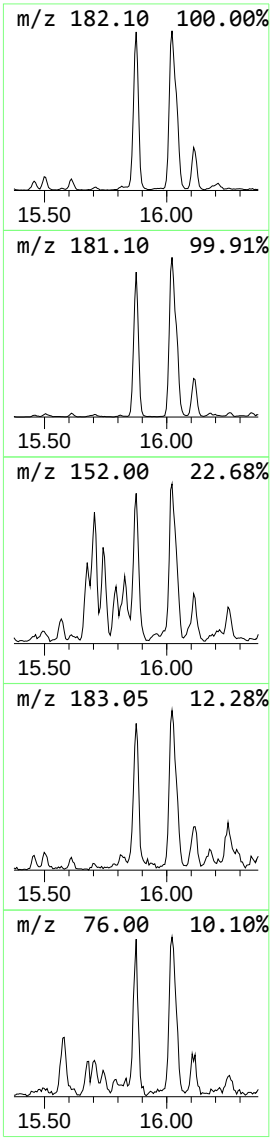
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.875	4.71 ng	345565	Acenaphthene-d10	14.534

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

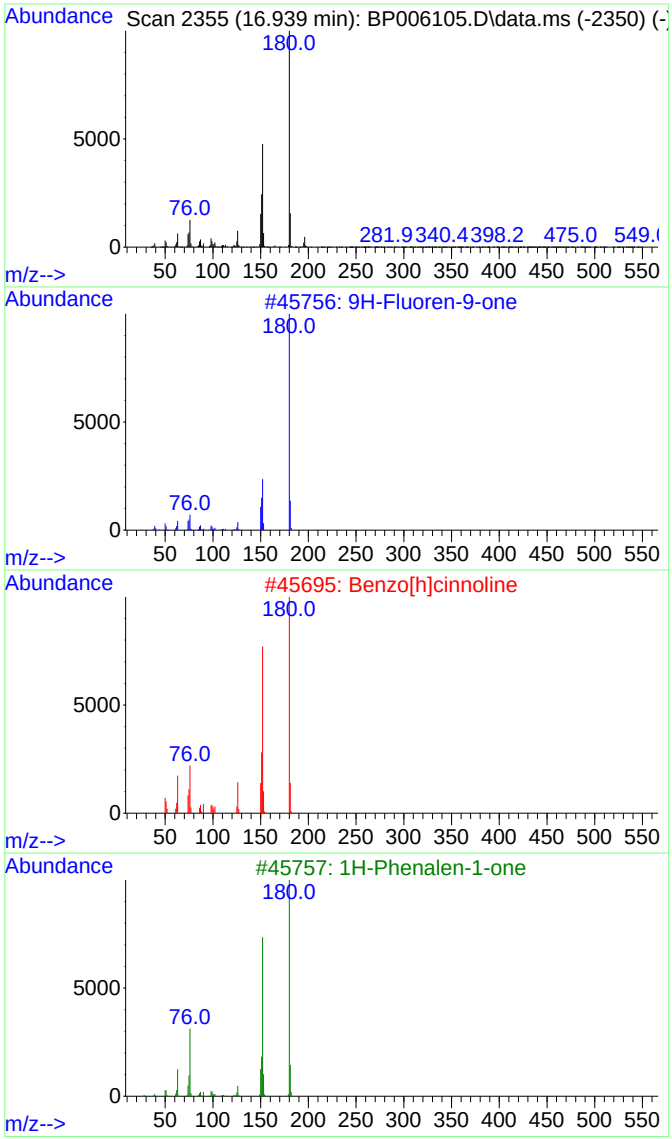
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

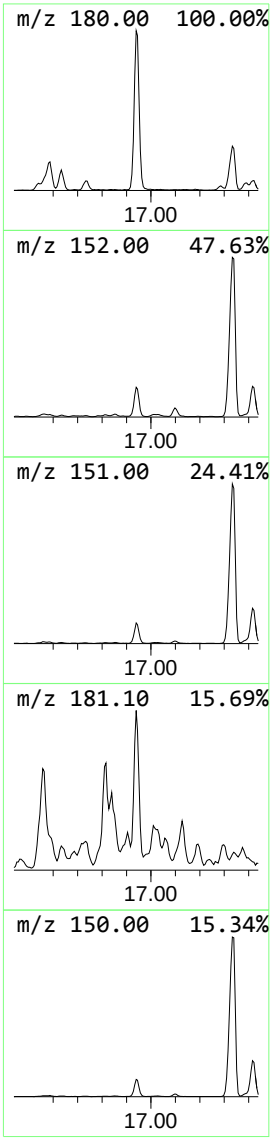
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.939	9.05 ng	702213	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
5	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

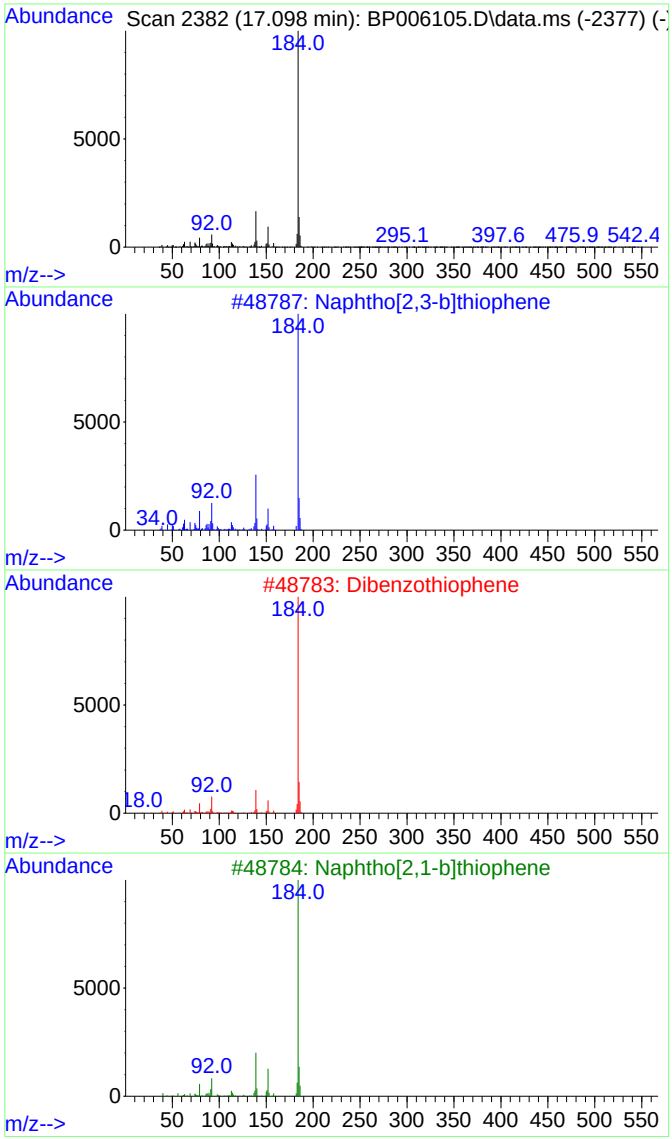
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

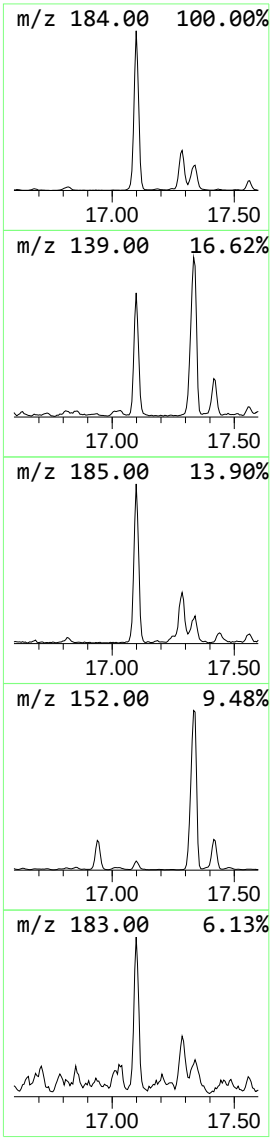
****

Peak Number 3 Naphtho[2,3-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.098	9.86 ng	765334	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

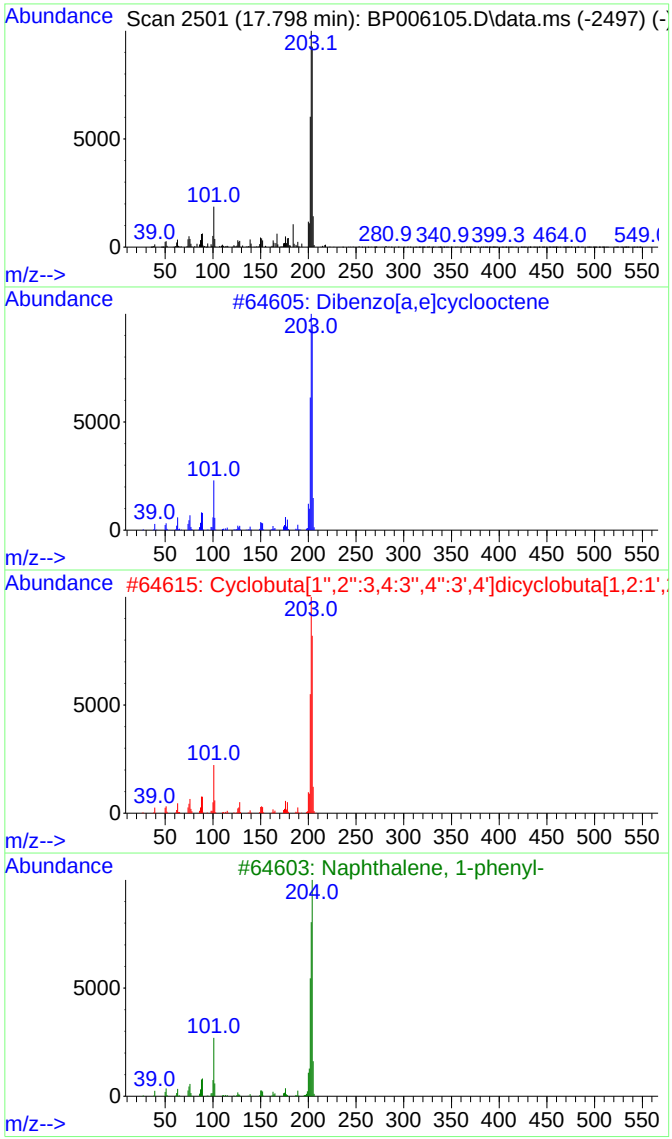
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

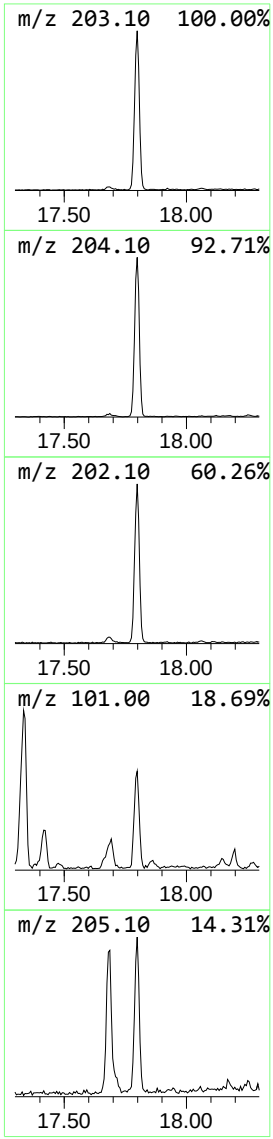
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Dibenzo[a,e]cyclooctene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.798	4.18 ng	324196	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	94
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	78
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

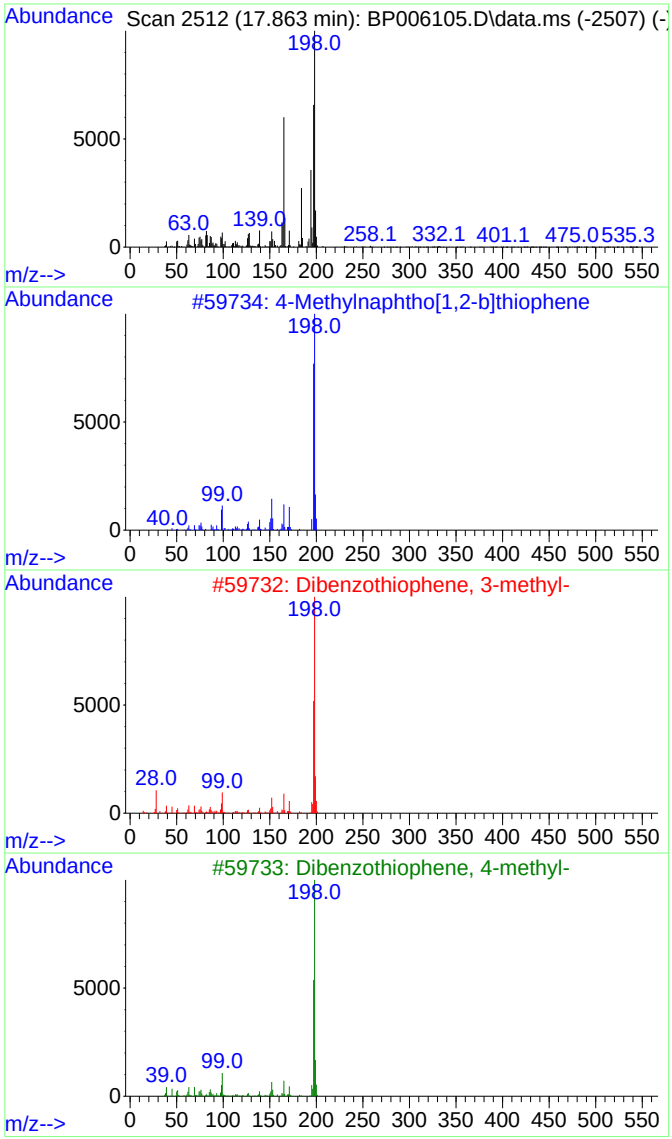
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

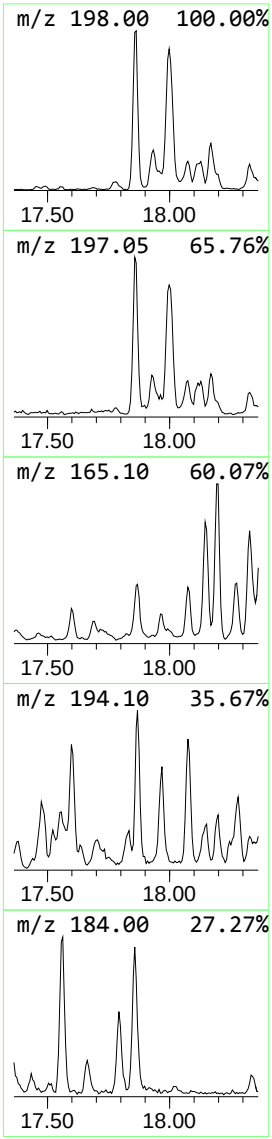
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.863	4.72 ng	366743	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	55
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	49
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	49
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	46
5	Thioxanthene	198	C13H10S	000261-31-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

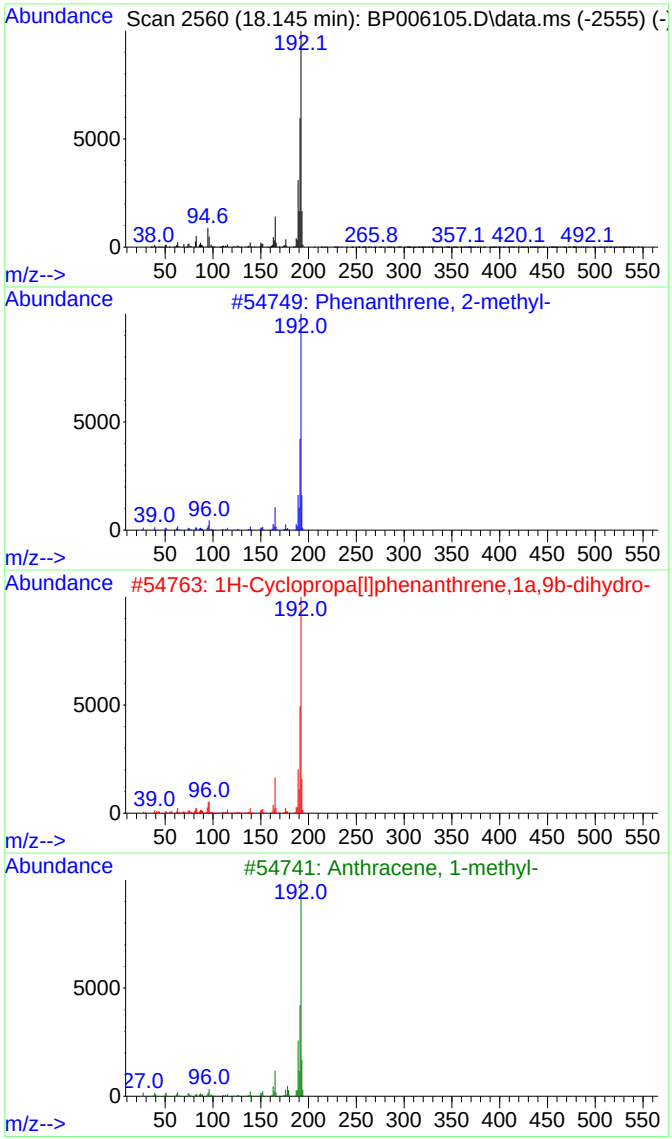
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

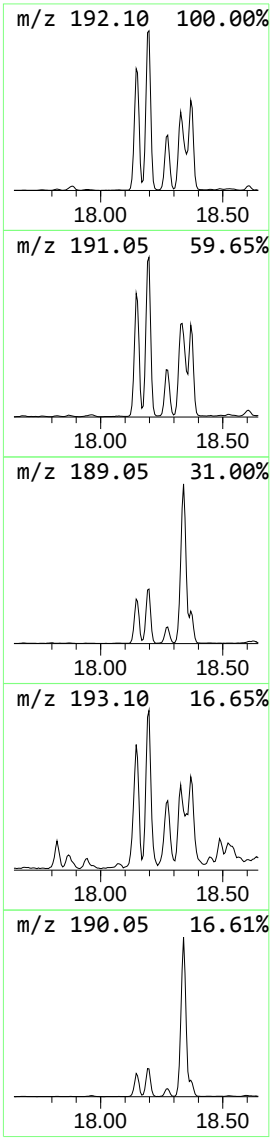
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	18.46 ng	1433170	Phenanthrene-d10	17.286

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	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

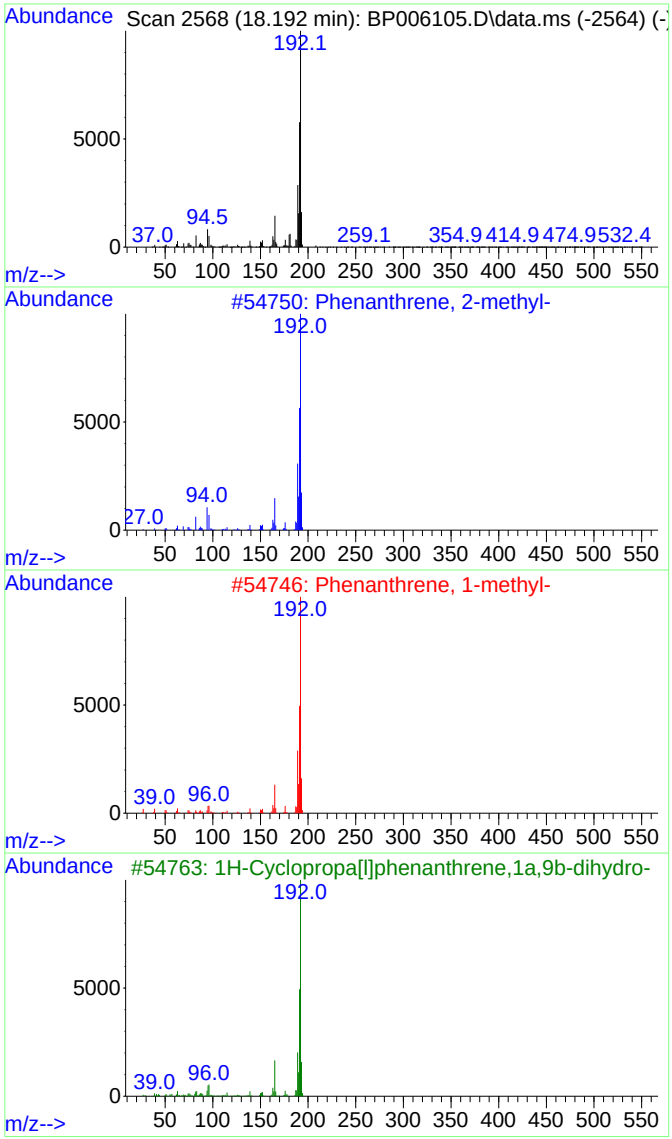
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

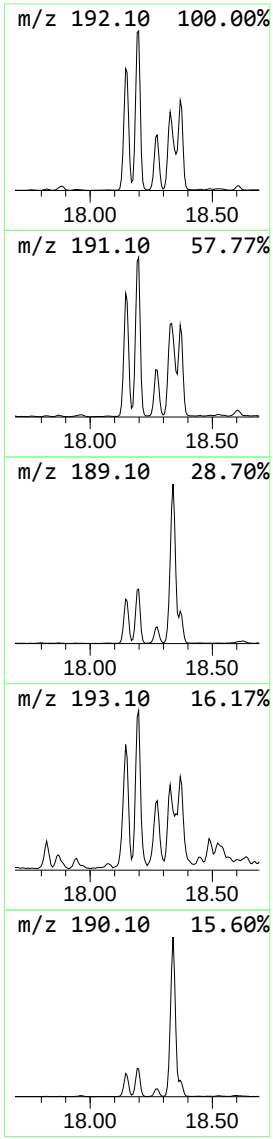
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	26.55 ng	2060440	Phenanthrene-d10	17.286

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, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

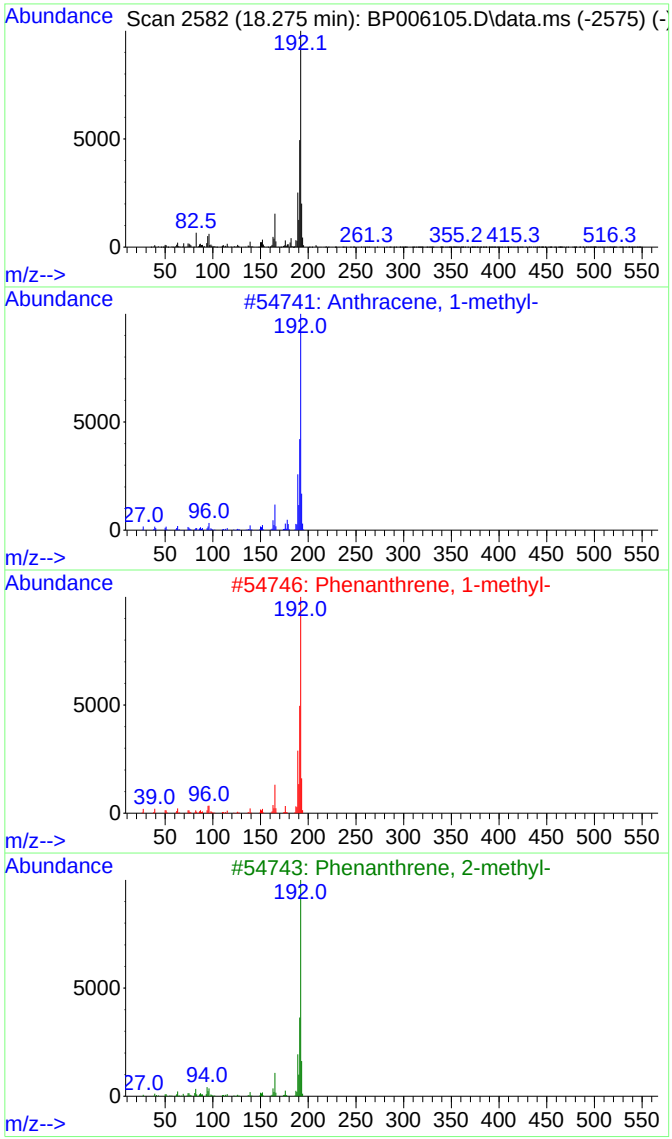
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

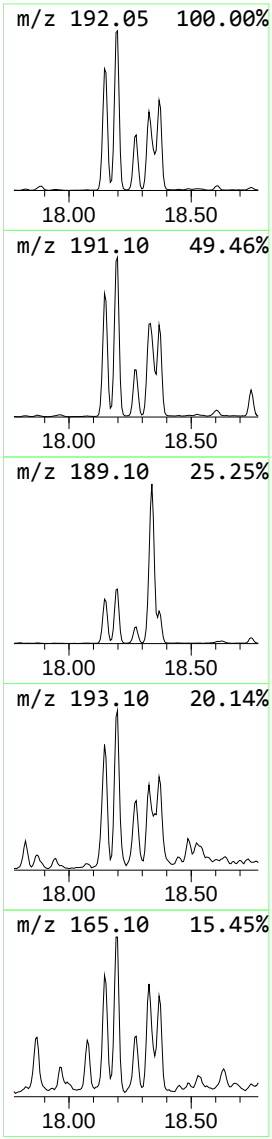
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.275	9.48 ng	735543	Phenanthrene-d10	17.286

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

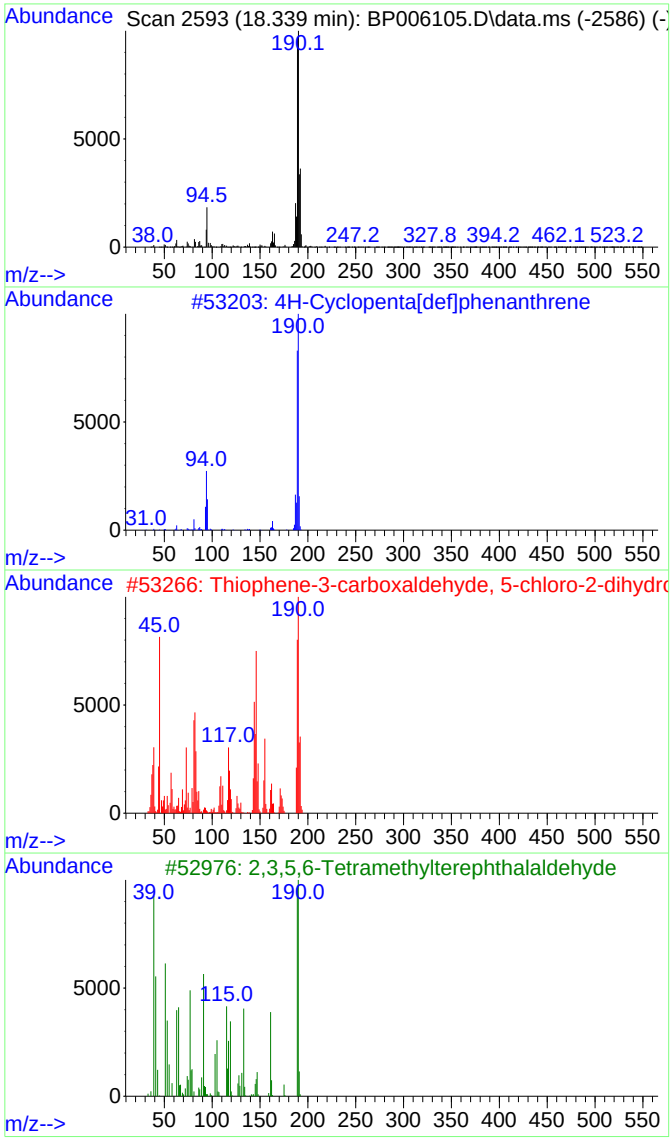
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

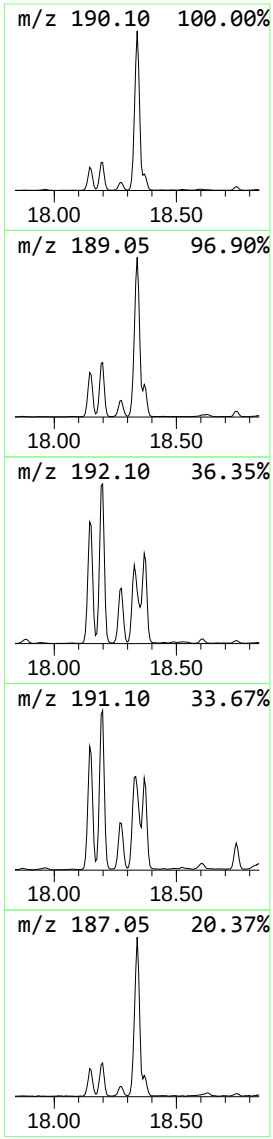
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	35.53 ng	2757670	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

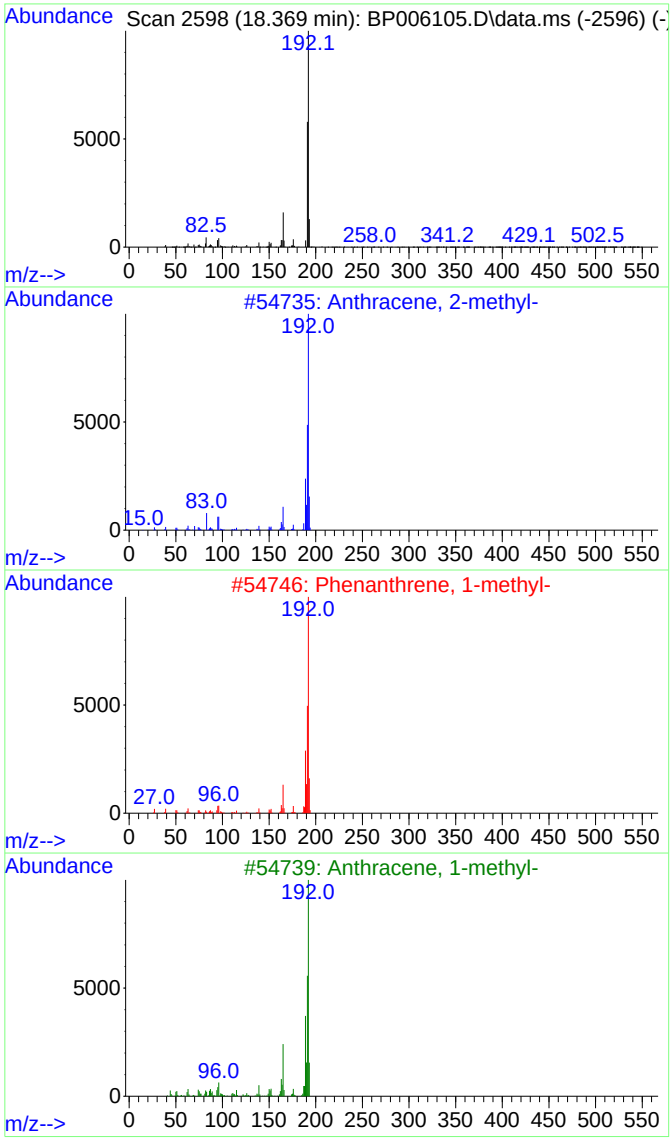
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

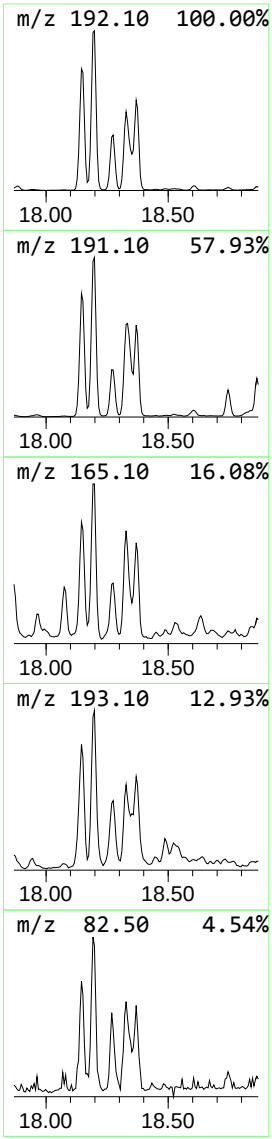
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.369	11.88 ng	921960	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

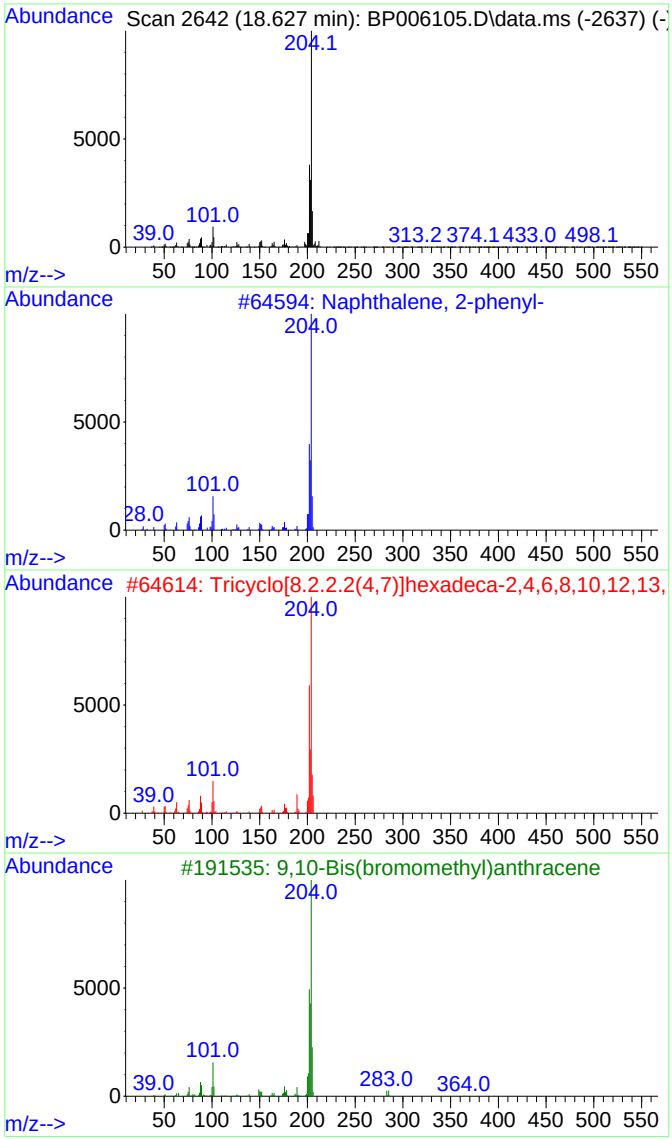
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

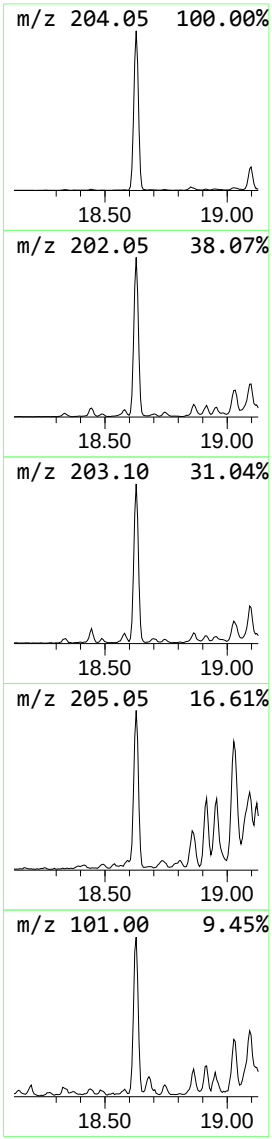
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.627	14.28 ng	1108550	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

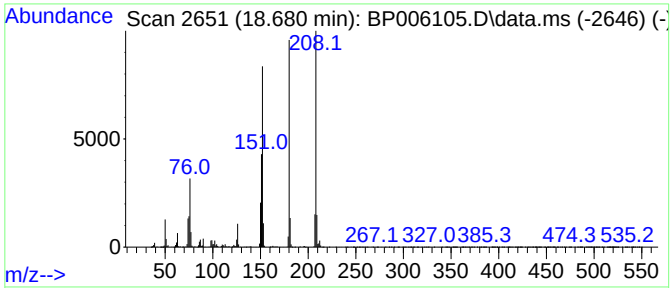
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

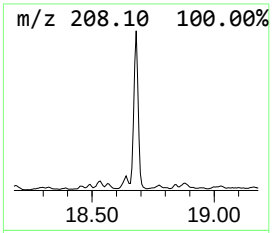
****

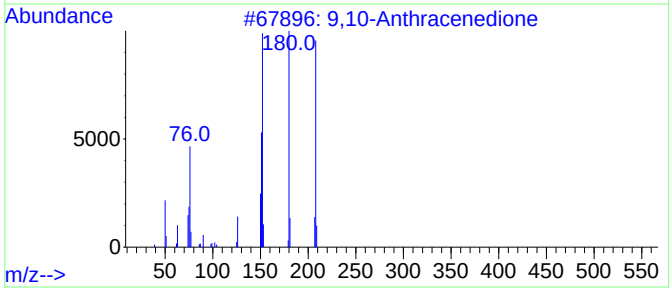
Peak Number 12 9,10-Anthracenedione Concentration Rank 7

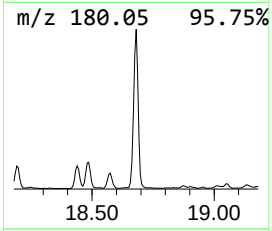
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.680	17.22 ng	1336780	Phenanthrene-d10	17.286

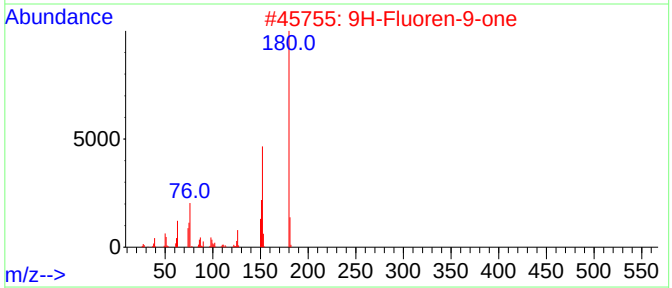
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53

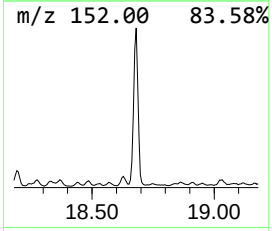


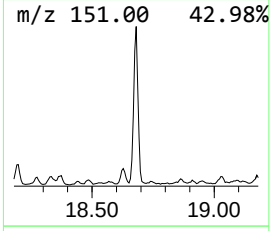


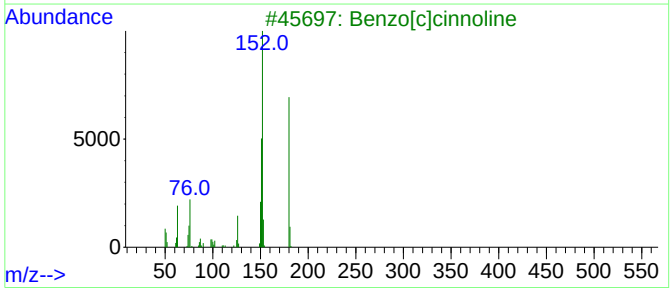


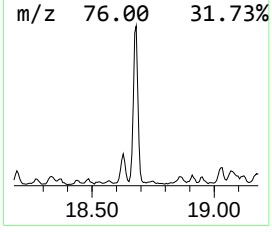












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

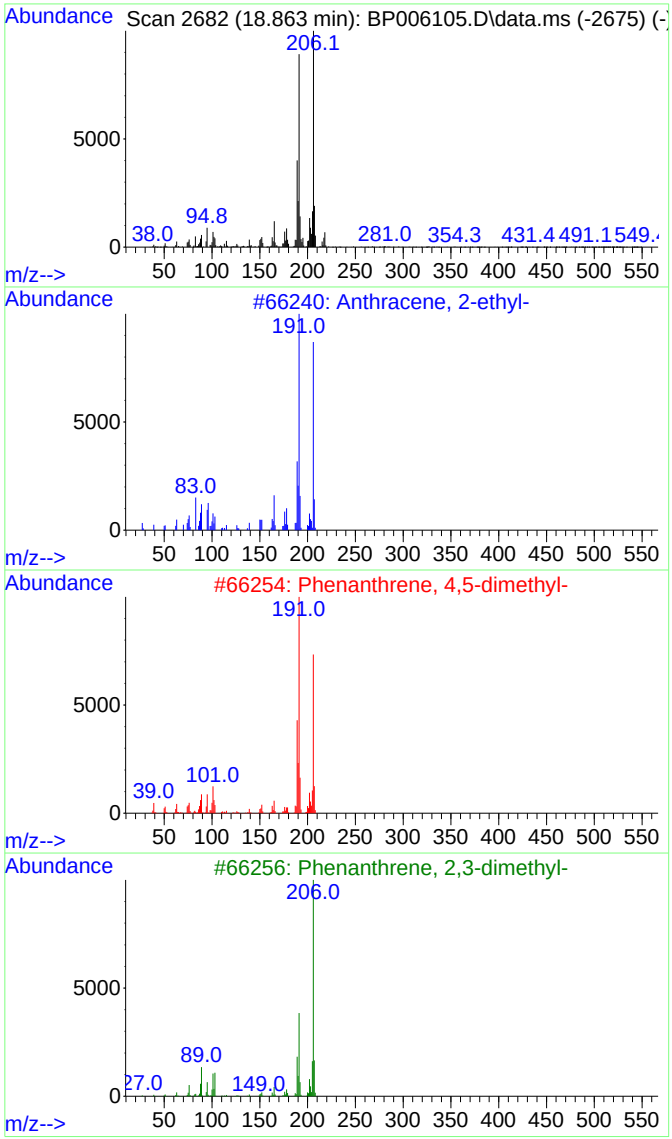
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

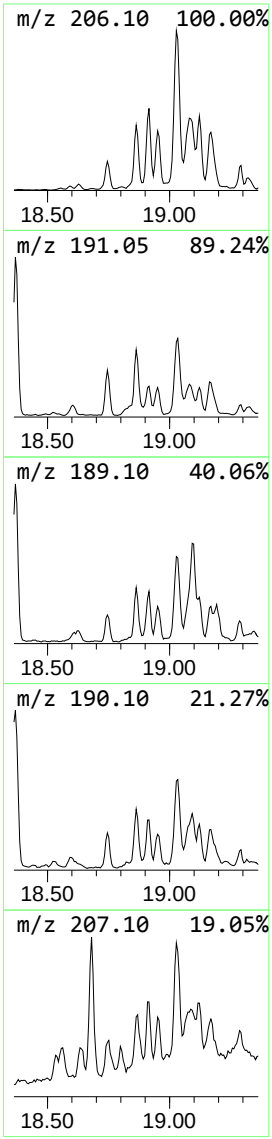
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.863	6.43 ng	499484	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

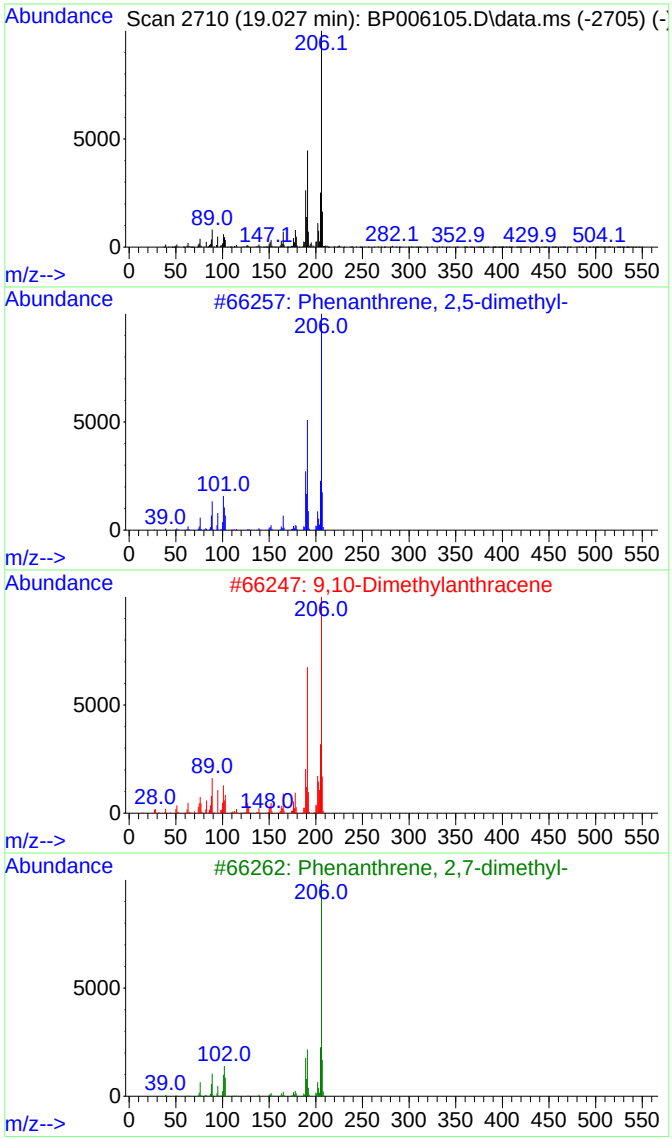
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

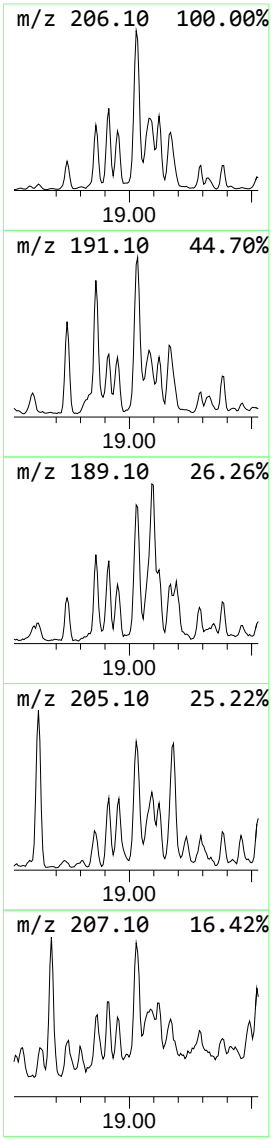
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.027	11.85 ng	919997	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

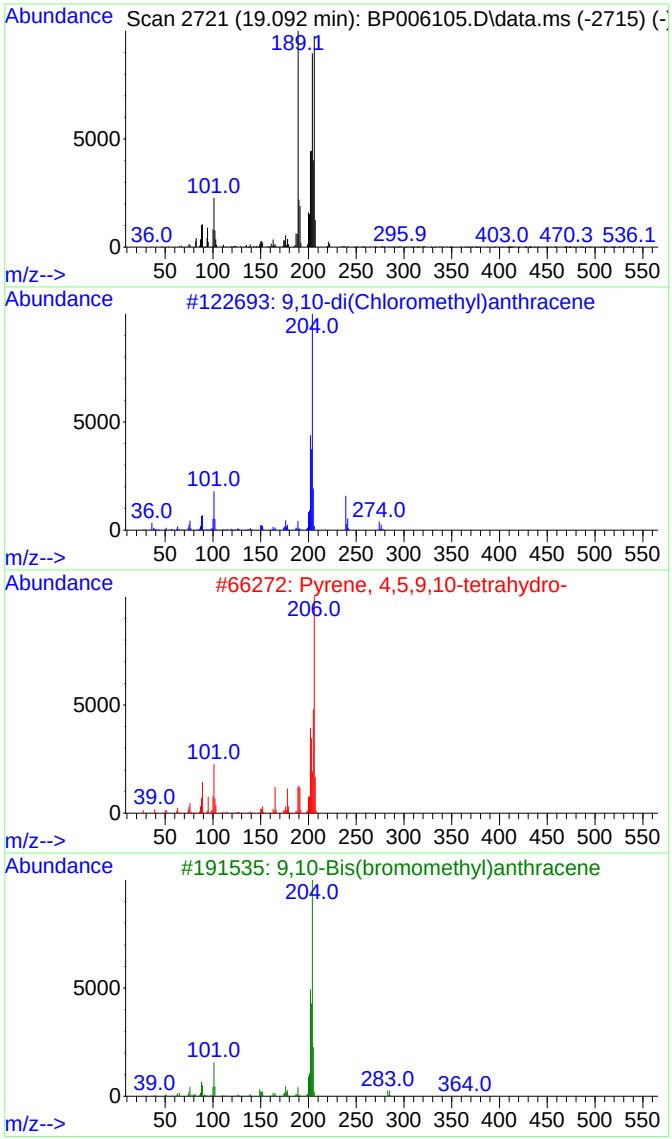
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

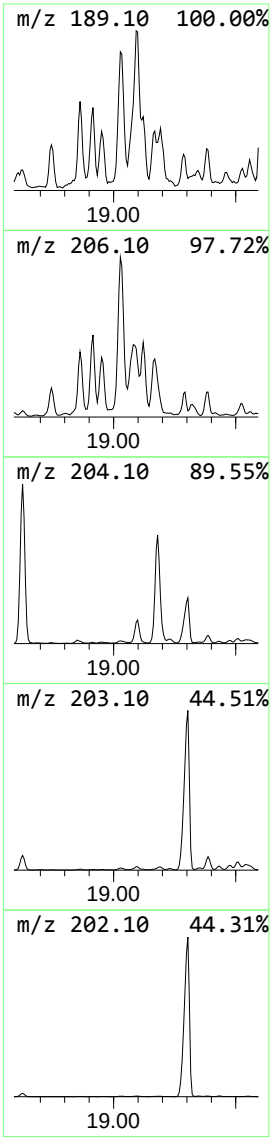
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 unknown19.092 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	10.09 ng	783286	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	25
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

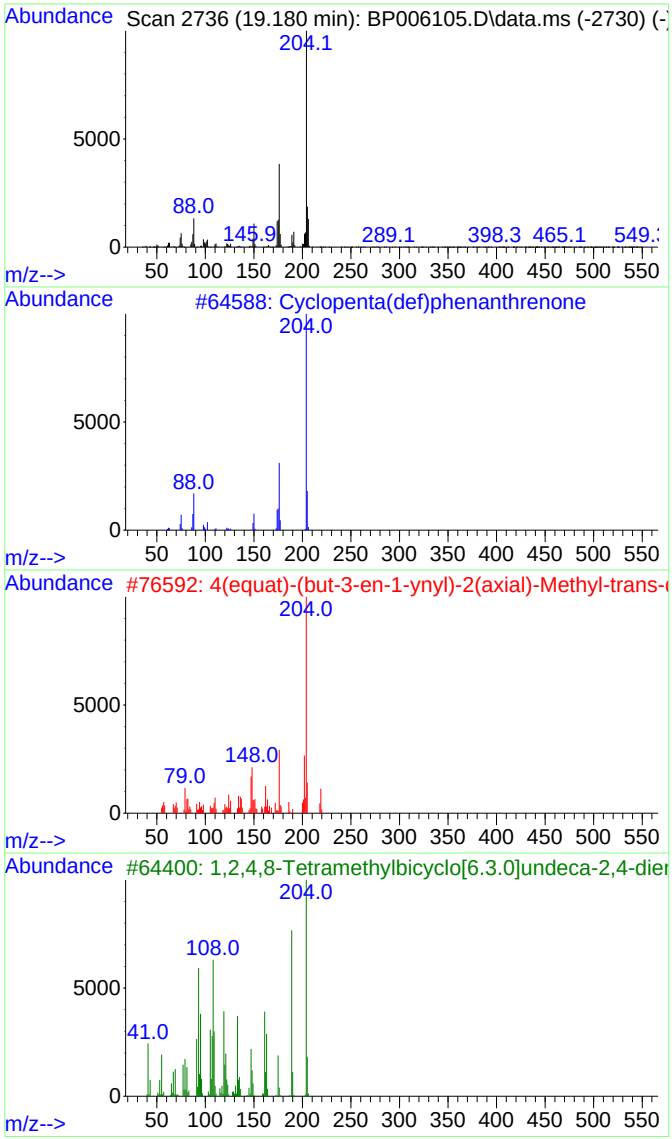
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

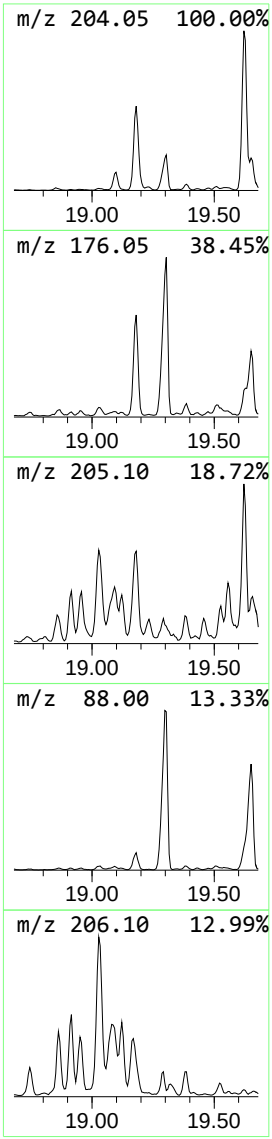
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.180	14.14 ng	1097380	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	38
5	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

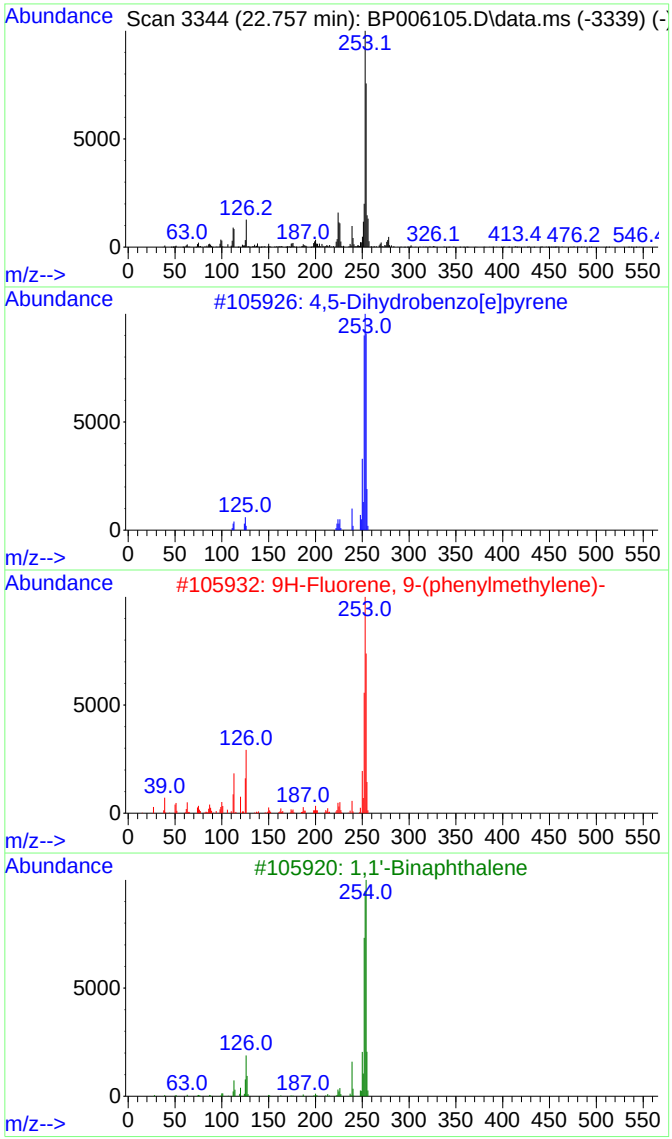
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

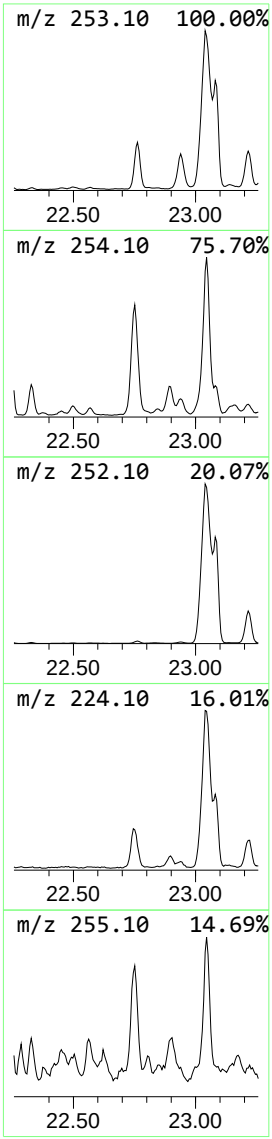
****

Peak Number 17 4,5-Dihydrobenzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.757	12.83 ng	1028100	Perylene-d12	23.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	83
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	81
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	74
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

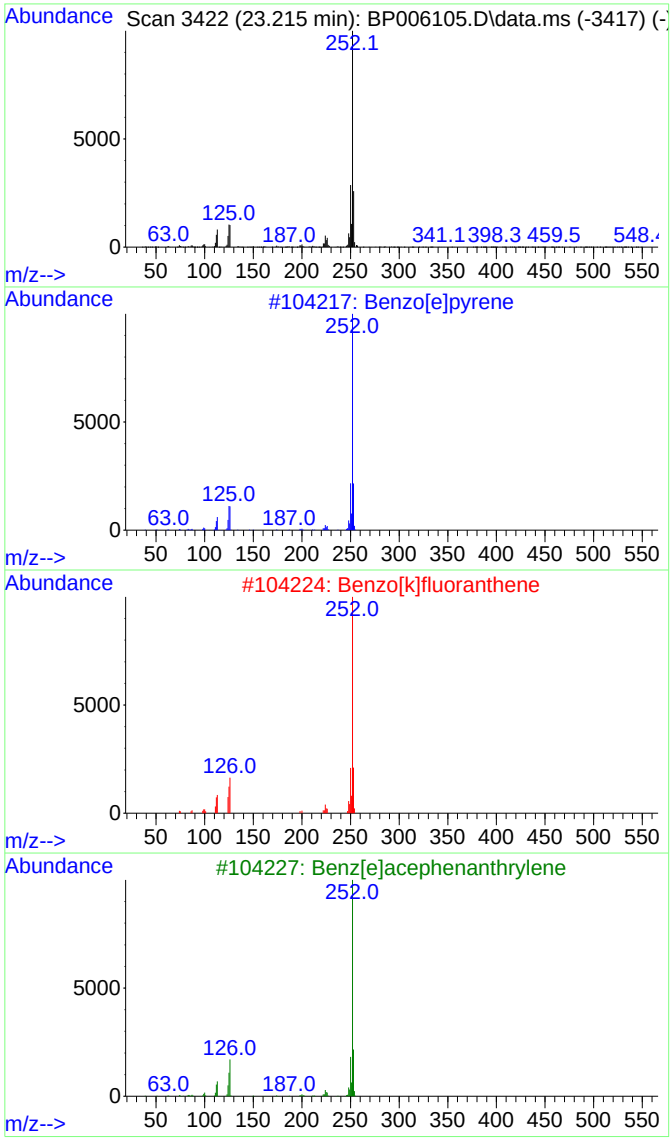
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

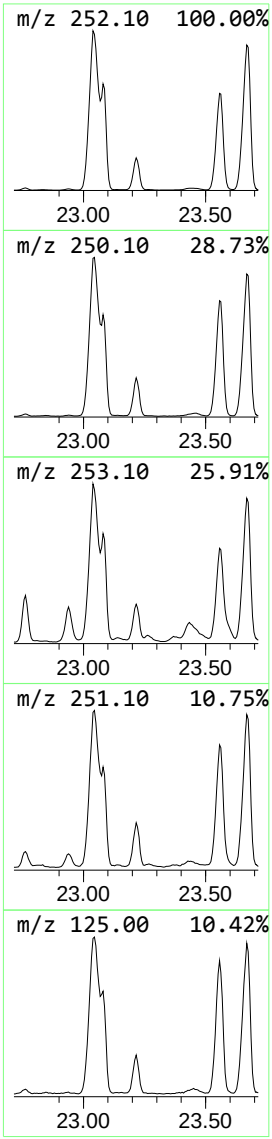
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.215	17.61 ng	1411020	Perylene-d12	23.768

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	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

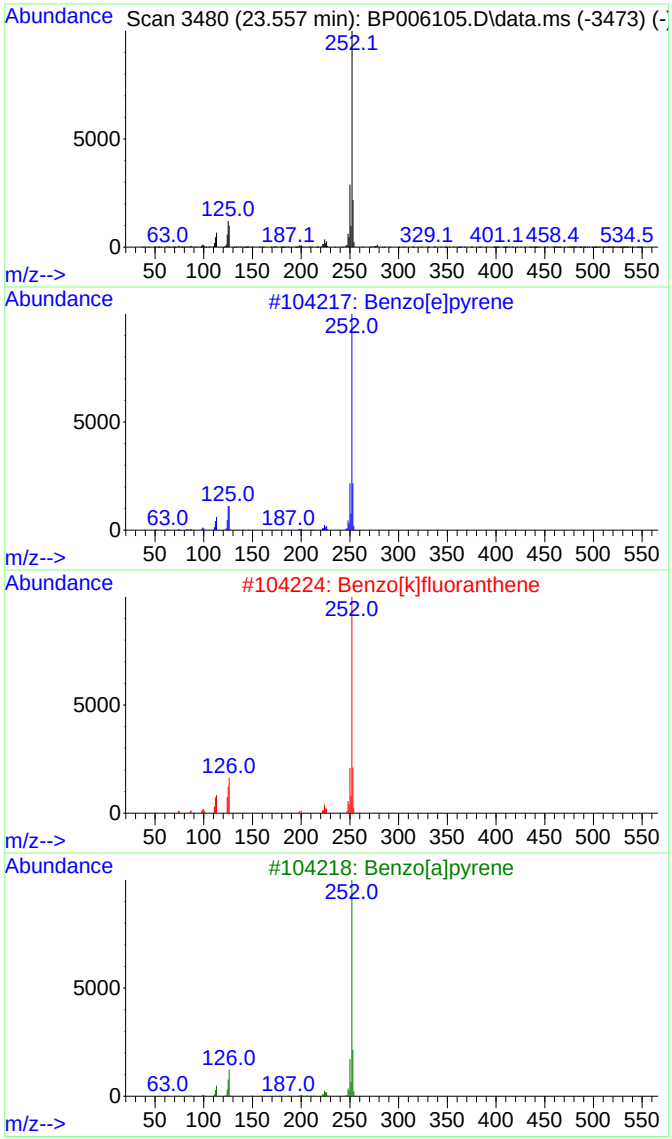
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

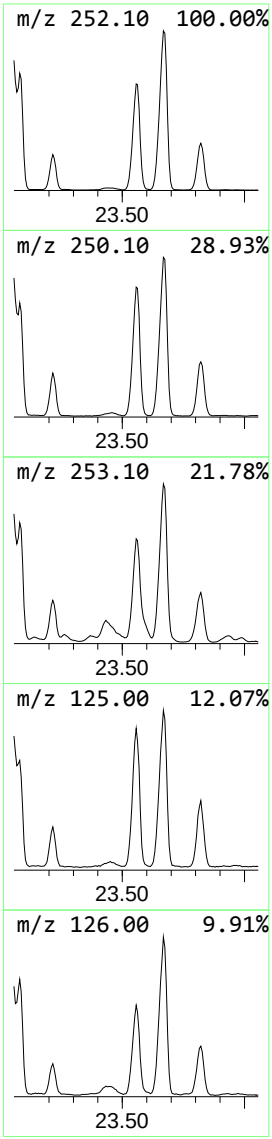
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.557	72.66 ng	5821880	Perylene-d12	23.768

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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

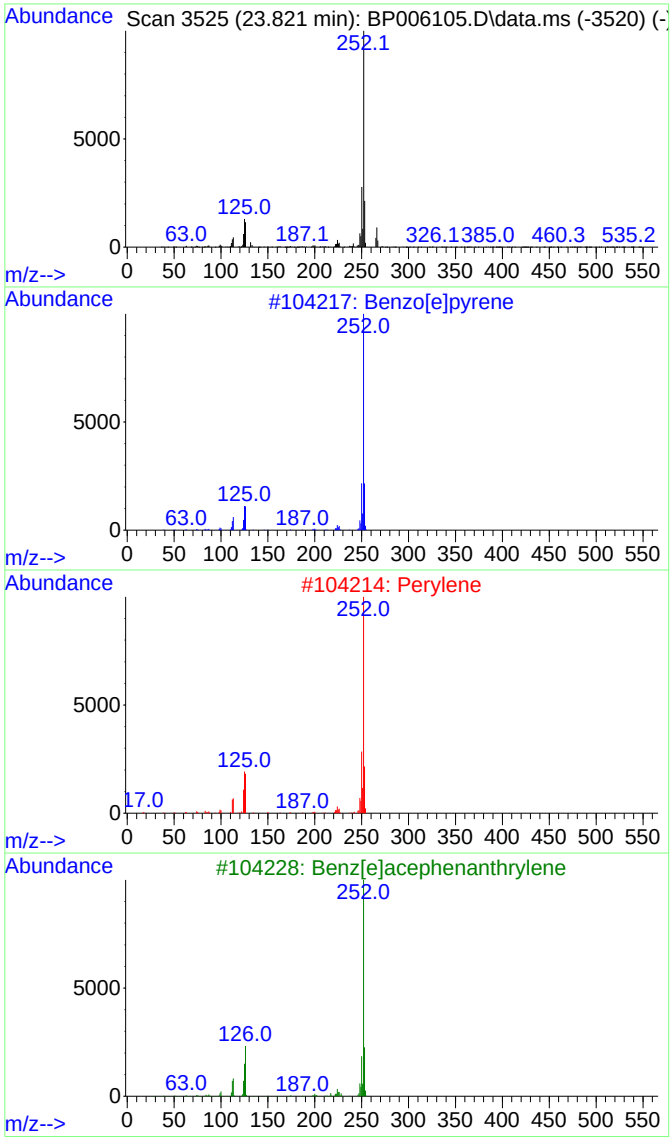
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

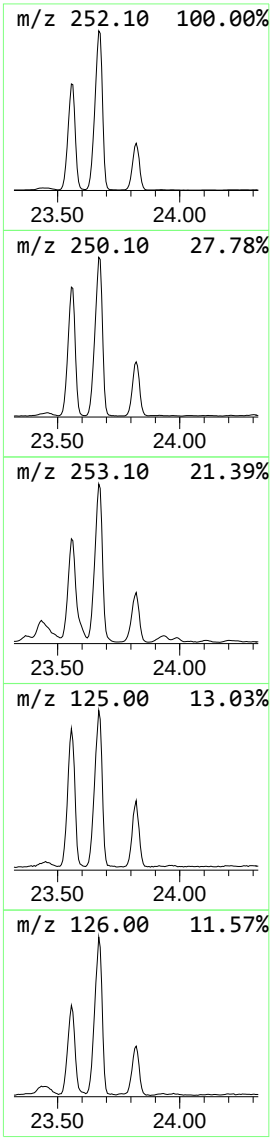
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.821	35.28 ng	2826920	Perylene-d12	23.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RBR-24

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.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
[1,1'-Biphenyl]...	15.875	4.7	ng	345565	3	14.534	1468170	20.0
9H-Fluoren-9-one	16.939	9.1	ng	702213	4	17.286	1552410	20.0
Naphtho[2,3-b]t...	17.098	9.9	ng	765334	4	17.286	1552410	20.0
Dibenzo[a,e]cyc...	17.798	4.2	ng	324196	4	17.286	1552410	20.0
4-Methylnaphtho...	17.863	4.7	ng	366743	4	17.286	1552410	20.0
Phenanthrene, 2...	18.145	18.5	ng	1433170	4	17.286	1552410	20.0
Phenanthrene, 1...	18.192	26.6	ng	2060440	4	17.286	1552410	20.0
Anthracene, 1-m...	18.275	9.5	ng	735543	4	17.286	1552410	20.0
4H-Cyclopenta[d...	18.339	35.5	ng	2757670	4	17.286	1552410	20.0
Anthracene, 2-m...	18.369	11.9	ng	921960	4	17.286	1552410	20.0
Naphthalene, 2-...	18.627	14.3	ng	1108550	4	17.286	1552410	20.0
9,10-Anthracene...	18.680	17.2	ng	1336780	4	17.286	1552410	20.0
Anthracene, 2-e...	18.863	6.4	ng	499484	4	17.286	1552410	20.0
Phenanthrene, 2...	19.027	11.9	ng	919997	4	17.286	1552410	20.0
unknown19.092	19.092	10.1	ng	783286	4	17.286	1552410	20.0
Cyclopenta(def)...	19.180	14.1	ng	1097380	4	17.286	1552410	20.0
4,5-Dihydrobenz...	22.757	12.8	ng	1028100	6	23.768	1602530	20.0
Benzo[e]pyrene	23.215	17.6	ng	1411020	6	23.768	1602530	20.0
Perylene	23.557	72.7	ng	5821880	6	23.768	1602530	20.0
Benzo[j]fluoran...	23.821	35.3	ng	2826920	6	23.768	1602530	20.0