LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007212.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.458	397	403	418	rBV	1342087	2004535	7.89%	0.828%
2	7.057	665	675	692	rBV	1174490	1897437	7.46%	0.784%
3	7.881	807	815	823	rBV	826096	1305759	5.14%	0.539%
4	9.046	1006	1013	1021	rBV	702182	1153546	4.54%	0.476%
5	10.469	1249	1255	1269	rBV	195217	397797	1.56%	0.164%
6	10.681	1282	1291	1296	rBV	921349	1607804	6.32%	0.664%
7	10.734	1296	1300	1308	rVB	253756	421576	1.66%	0.174%
8	12.345	1566	1574	1582	rVB	282994	460857	1.81%	0.190%
9	12.563	1603	1611	1619	rVB	329735	519369	2.04%	0.215%
10	13.140	1699	1709	1721	rBV	1787320	2596649	10.21%	1.073%
11	13.681	1794	1801	1802	rBV	197762	266476	1.05%	0.110%
12	13.839	1822	1828	1833	rBV	403748	692787	2.73%	0.286%
13	13.892	1833	1837	1842	rVB	243039	337204	1.33%	0.139%
14	14.075	1862	1868	1872	rBV	195560	304872	1.20%	0.126%
15	14.239	1888	1896	1907	rBV	908173	1490640	5.86%	0.616%
16	14.516	1933	1943	1949	rBV	1314112	2082935	8.19%	0.860%
17	14.581	1949	1954	1962	rVB	691801	1036141	4.08%	0.428%
18	14.728	1972	1979	1987	rBV4	105858	270691	1.06%	0.112%
19	14.916	2005	2011	2018	rVV	627532	972780	3.83%	0.402%
20	14.992	2018	2024	2029	rVB	249569	346965	1.36%	0.143%
21	15.134	2040	2048	2053	rBV3	213396	451665	1.78%	0.187%
22	15.304	2069	2077	2080	rBV2	152237	332411	1.31%	0.137%
23	15.563	2116	2121	2133	rVB	1360312	2121036	8.34%	0.876%
24	15.857	2166	2171	2187	rVB3	256095	533853	2.10%	0.221%
25	16.010	2188	2197	2204	rVB	1662824	2608795	10.26%	1.078%
26	16.239	2231	2236	2248	rVB2	244280	468824	1.84%	0.194%
27	16.569	2285	2292	2297	rBV2	361319	687638	2.70%	0.284%
28	16.622	2297	2301	2306	rVB2	244190	348833	1.37%	0.144%
29	16.722	2314	2318	2323	rVB	213765	299055	1.18%	0.124%
30	17.086	2375	2380	2389	rVB	738344	1125197	4.43%	0.465%
31	17.269	2406	2411	2414	rBV	1453452	2207111	8.68%	0.912%
32	17.316	2414	2419	2425	rVV	9777464	14556517	57.26%	6.012%
33	17.404	2425	2434	2439	rVV	3007931	4226264	16.62%	1.746%
34	17.463	2439	2444	2449	rVV2	291620	506570	1.99%	0.209%
35	17.675	2469	2480	2485	rBV	813827	1347728	5.30%	0.557%
36	17.786	2493	2499	2503	rVV2	257286	382837	1.51%	0.158%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.851	2506	2510	2517	rVB2	365596	560592	2.21%	0.232%
38	17.986	2529	2533	2542	rVB	247164	466578	1.84%	0.193%
39	18.139	2554	2559	2563	rBV	1713375	2354487	9.26%	0.973%
40	18.186	2563	2567	2573	rVB	2315187	3057247	12.03%	1.263%
41	18.263	2575	2580	2585	rBV	847469	1182095	4.65%	0.488%
42	18.327	2585	2591	2595	rBV3	2889467	4974387	19.57%	2.055%
43	18.363	2595	2597	2603	rVB	1209318	1311284	5.16%	0.542%
44	18.616	2636	2640	2644	rBV	1130354	1498615	5.90%	0.619%
45	18.663	2644	2648	2658	rVB2	533861	855207	3.36%	0.353%
46	18.857	2678	2681	2685	rVB	387998	431892	1.70%	0.178%
47	18.910	2686	2690	2693	rBV	507676	584509	2.30%	0.241%
48	18.945	2693	2696	2700	rVB	452813	552294	2.17%	0.228%
49	19.027	2704	2710	2714	rBV	1184154	2005581	7.89%	0.828%
50	19.086	2715	2720	2723	rVV3	651237	1221443	4.80%	0.505%
51	19.116	2723	2725	2728	rVB	403527	397189	1.56%	0.164%
52	19.163	2729	2733	2741	rBV3	581459	1257155	4.95%	0.519%
53	19.286	2747	2754	2759	rBV	15595905	23092487	90.84%	9.538%
54	19.339	2759	2763	2766	rVV	304029	389609	1.53%	0.161%
55	19.374	2766	2769	2773	rVB	452811	559698	2.20%	0.231%
56	19.427	2774	2778	2781	rBV	504194	646898	2.54%	0.267%
57	19.516	2789	2793	2797	rBV	672663	915593	3.60%	0.378%
58	19.639	2803	2814	2821	rBV2	14482771	25421438	100.00%	10.500%
59	19.704	2821	2825	2831	rVB2	844562	1358245	5.34%	0.561%
60	19.827	2839	2846	2850	rVV2	2926376	4097554	16.12%	1.692%
61	19.869	2850	2853	2858	rVB	714405	985933	3.88%	0.407%
62	19.957	2861	2868	2873	rBV2	1050103	2572973	10.12%	1.063%
63	20.080	2884	2889	2891	rVV3	789093	1346668	5.30%	0.556%
64	20.116	2891	2895	2900	rVB	2778312	3832493	15.08%	1.583%
65	20.216	2907	2912	2915	rBV	2301488	2911076	11.45%	1.202%
66	20.269	2915	2921	2925	rVV2	1542519	2535598	9.97%	1.047%
67	20.304	2925	2927	2931	rVB3	447296	512977	2.02%	0.212%
68	20.410	2941	2945	2948	rBV	979886	1269232	4.99%	0.524%
69	20.451	2948	2952	2956	rVV	1018595	1273045	5.01%	0.526%
70	20.804	3009	3012	3016	rBV2	369143	629765	2.48%	0.260%
71	20.845	3016	3019	3025	rVB	885904	1315480	5.17%	0.543%
72	21.010	3043	3047	3050	rBV	1109692	1368807	5.38%	0.565%
73	21.045	3050	3053	3057	rVV	1255207	1387362	5.46%	0.573%
74	21.086	3057	3060	3064	rVB2	1216236	1700363	6.69%	0.702%
75	21.345	3099	3104	3109	rBV3	9056938	15559359	61.21%	6.427%
76	21.398	3109	3113	3122	rVB	8099418	11526960	45.34%	4.761%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.521	3130	3134	3139	rBV	1647487	2269538	8.93%	0.937%
78	21.680	3157	3161	3167	rBV2	1078978	1699886	6.69%	0.702%
79	21.933	3201	3204	3208	rVB	1247324	1581178	6.22%	0.653%
80	21.986	3211	3213	3220	rVB2	815616	1068891	4.20%	0.441%
81	22.145	3237	3240	3243	rBV	726221	992813	3.91%	0.410%
82	23.051	3386	3394	3398	rBV	5920452	14698833	57.82%	6.071%
83	23.227	3420	3424	3430	rVB	1322330	2241803	8.82%	0.926%
84	23.568	3476	3482	3492	rVB	3822750	8122186	31.95%	3.355%
85	23.680	3493	3501	3508	rVV	5857639	12046324	47.39%	4.976%
86	23.780	3514	3518	3522	rBV2	1020410	1944545	7.65%	0.803%
87	23.833	3523	3527	3535	rVB	1846305	3882940	15.27%	1.604%
88	26.321	3942	3950	3960	rVB	2907961	9264279	36.44%	3.827%

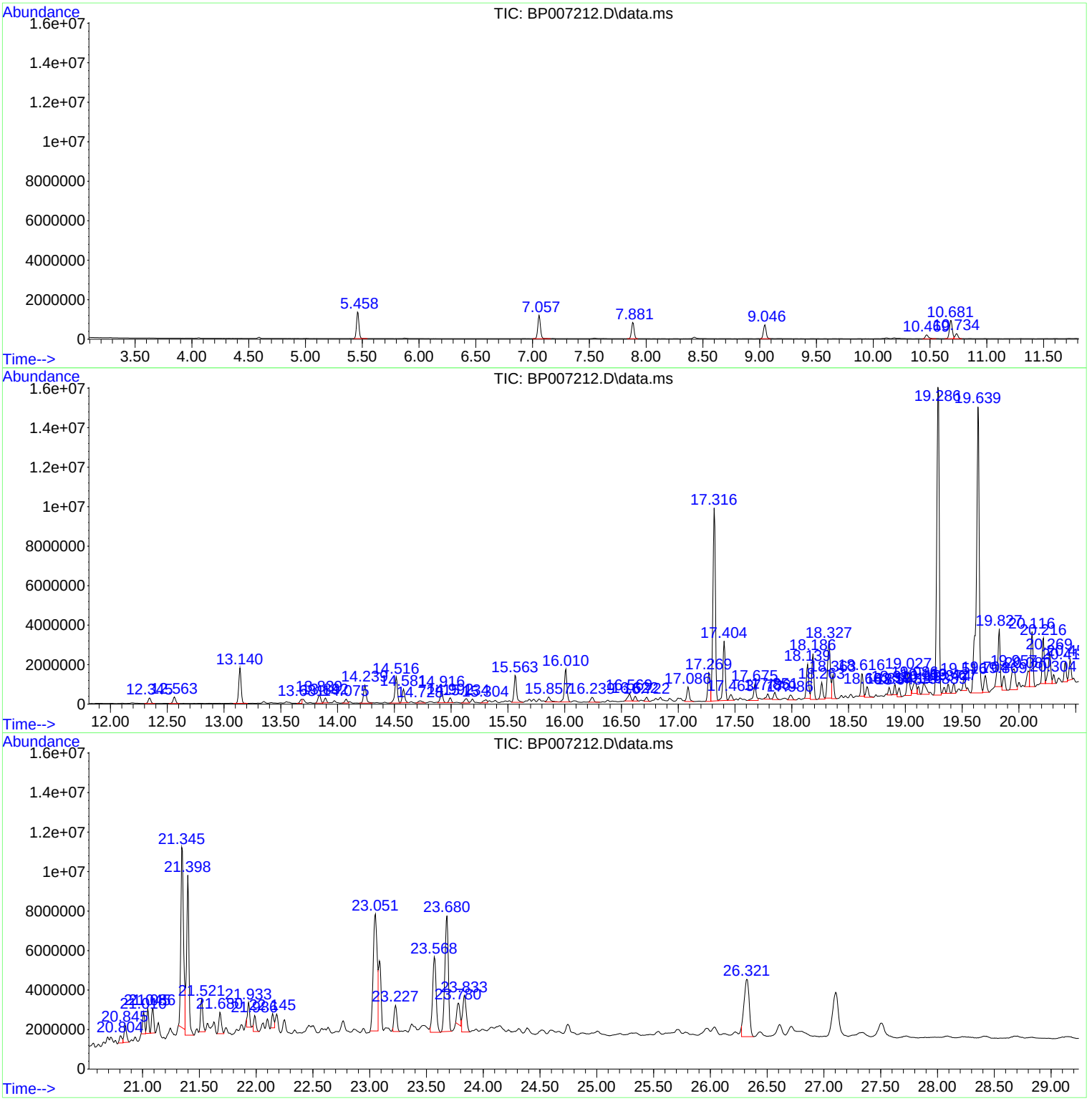
Sum of corrected areas: 242104538

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

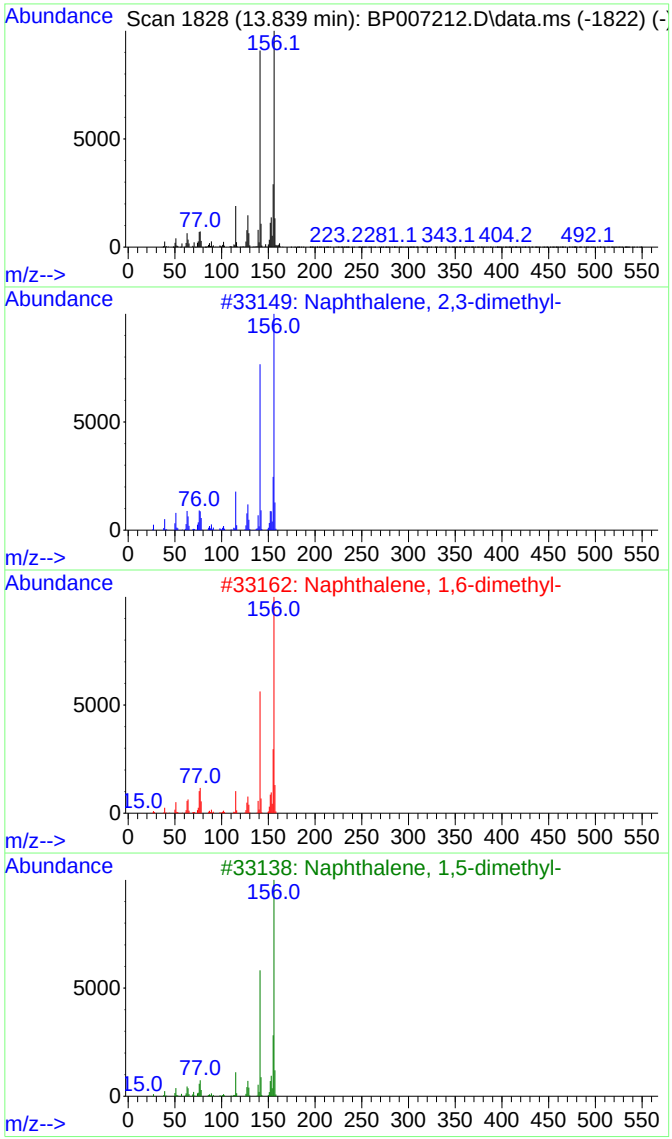
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

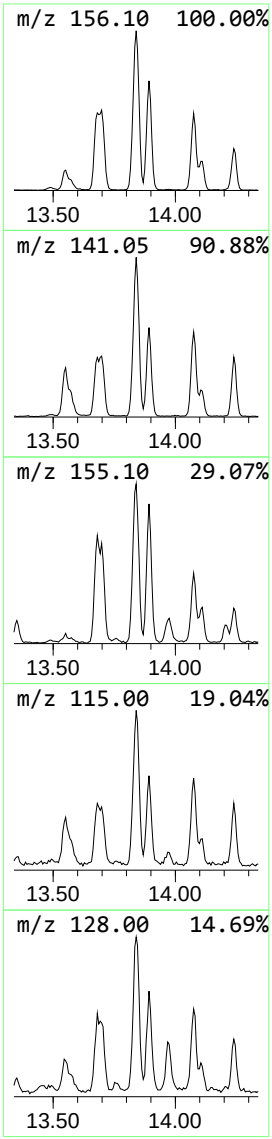
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	6.65 ng	692787	Acenaphthene-d10	14.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

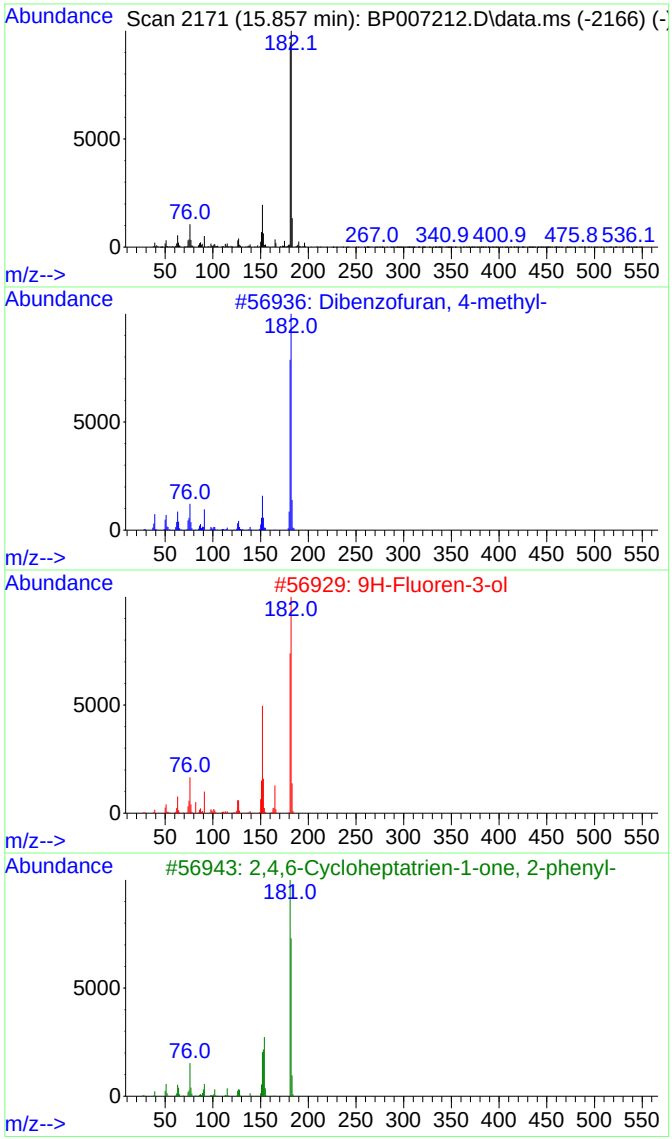
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

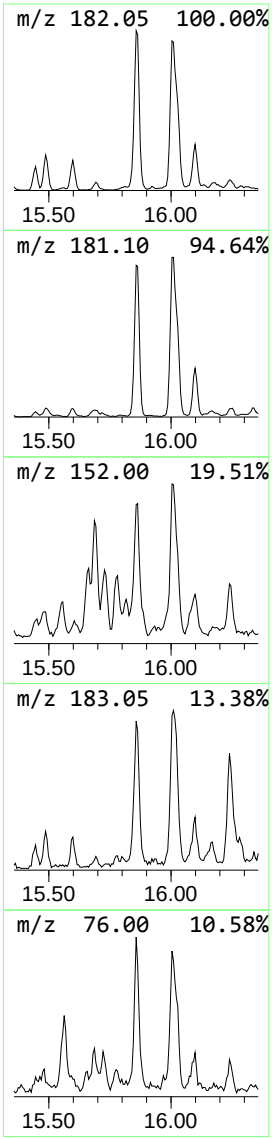
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.857	5.13 ng	533853	Acenaphthene-d10	14.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

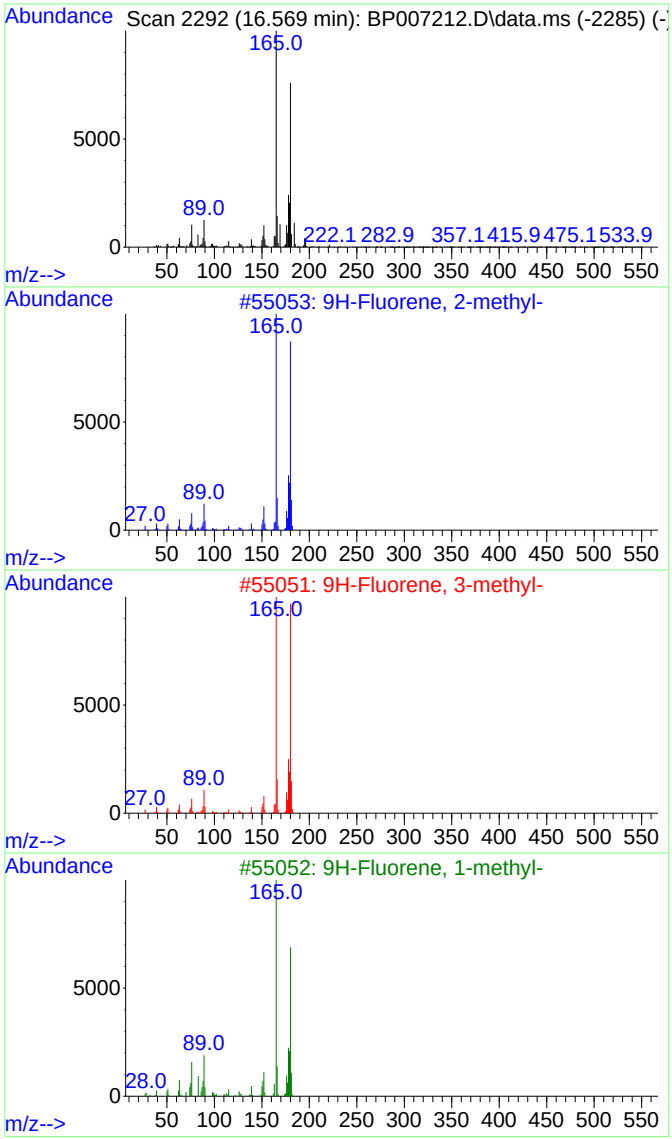
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

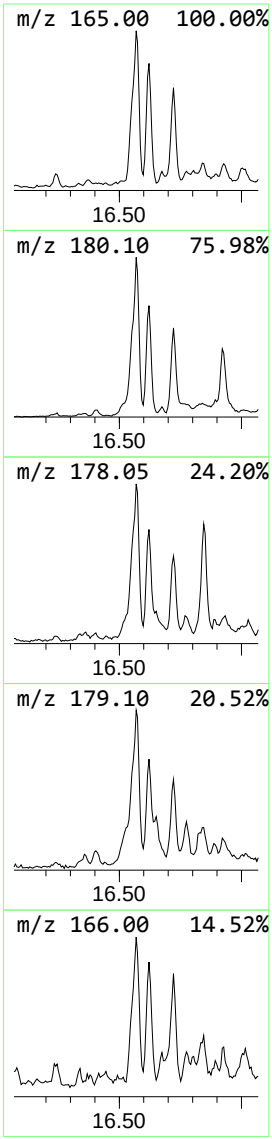
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.569	6.23 ng	687638	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

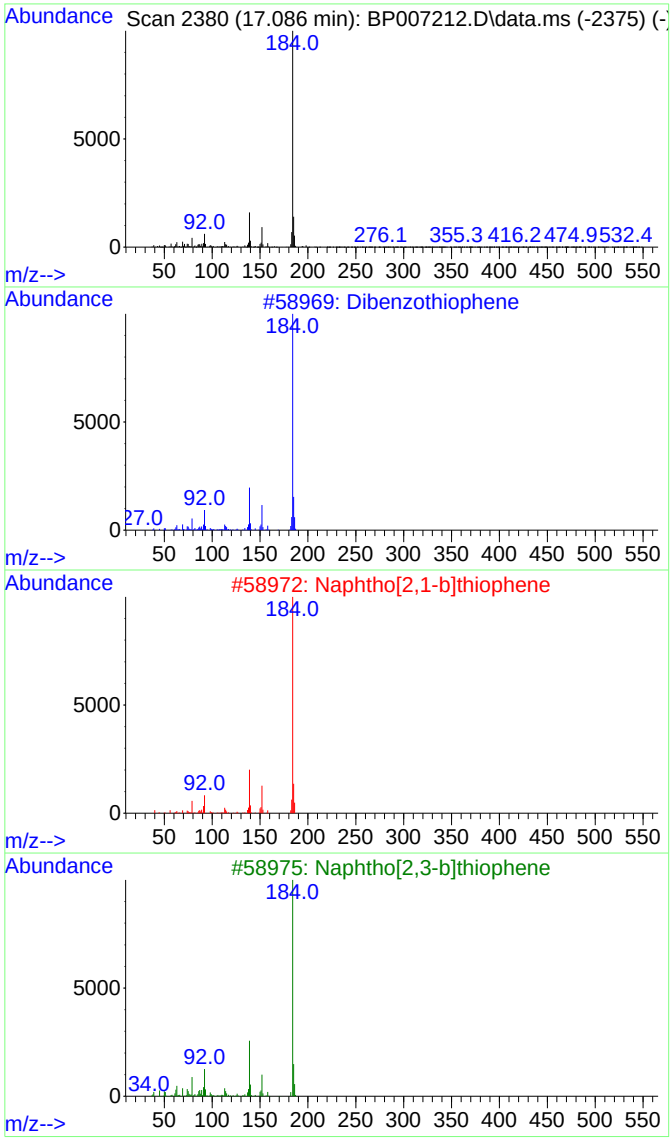
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

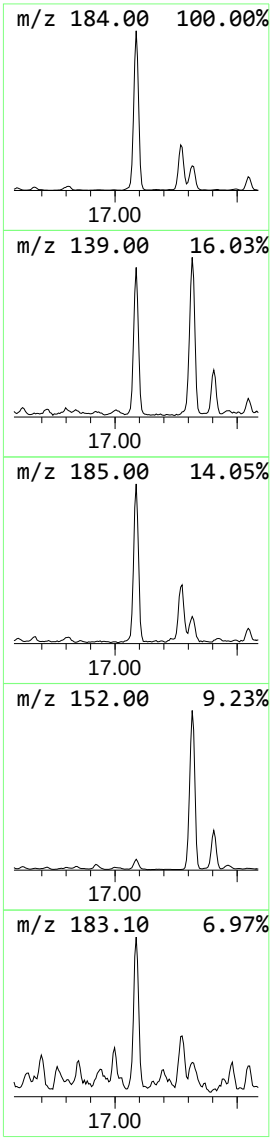
****

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.086	10.20 ng	1125200	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

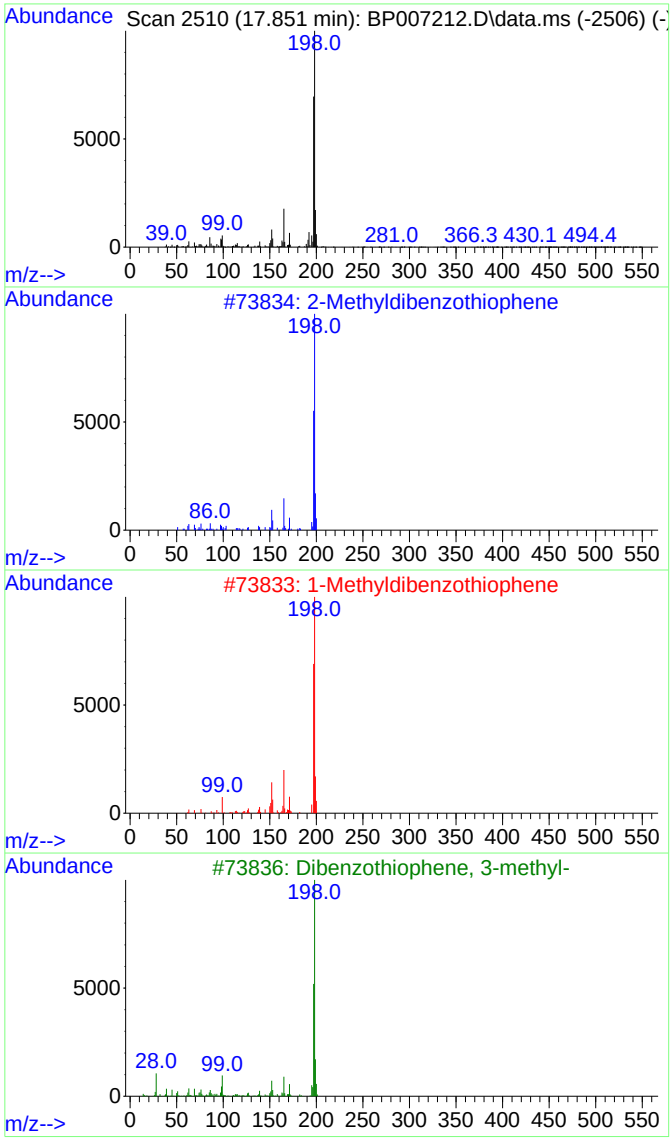
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

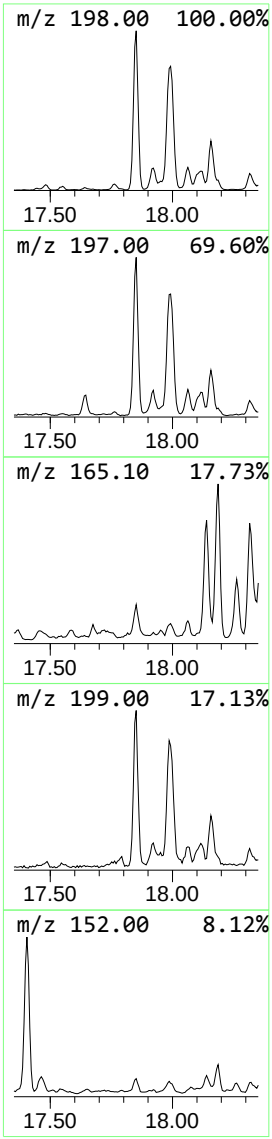
****

Peak Number 5 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	5.08 ng	560592	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

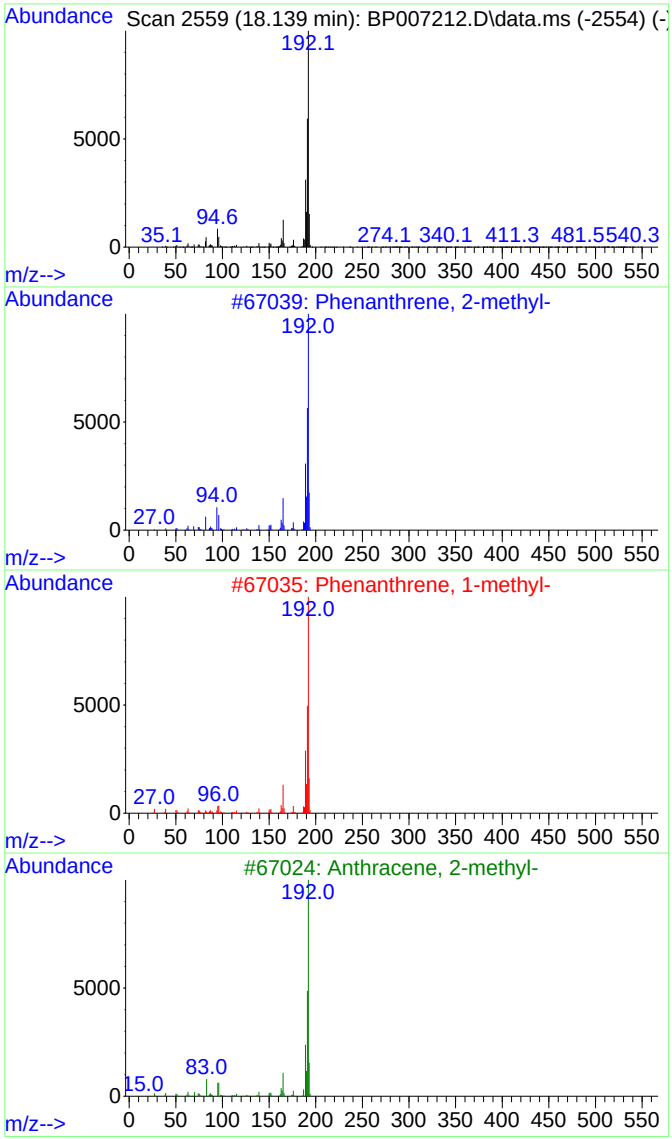
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

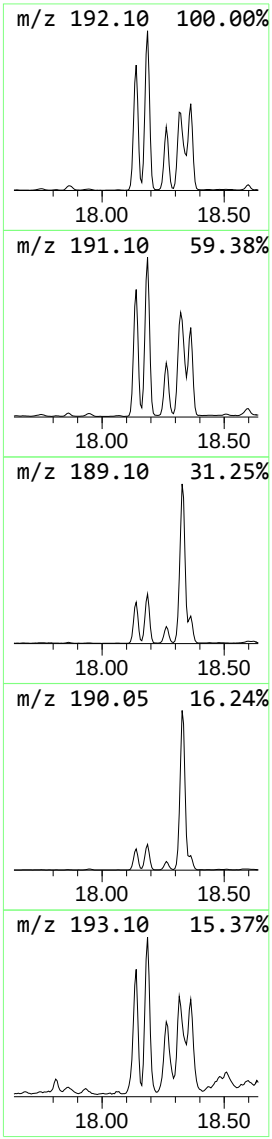
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	21.34 ng	2354490	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

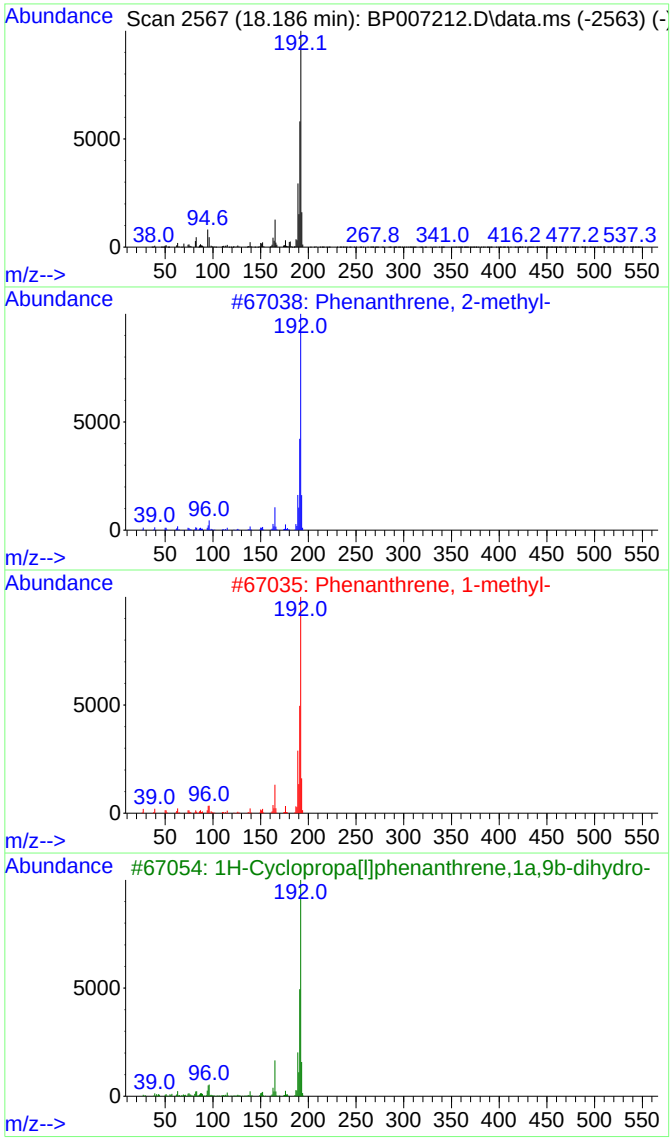
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

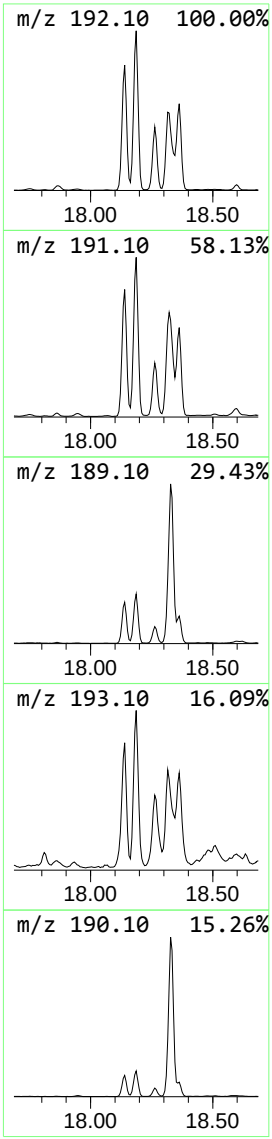
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	27.70 ng	3057250	Phenanthrene-d10	17.269

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

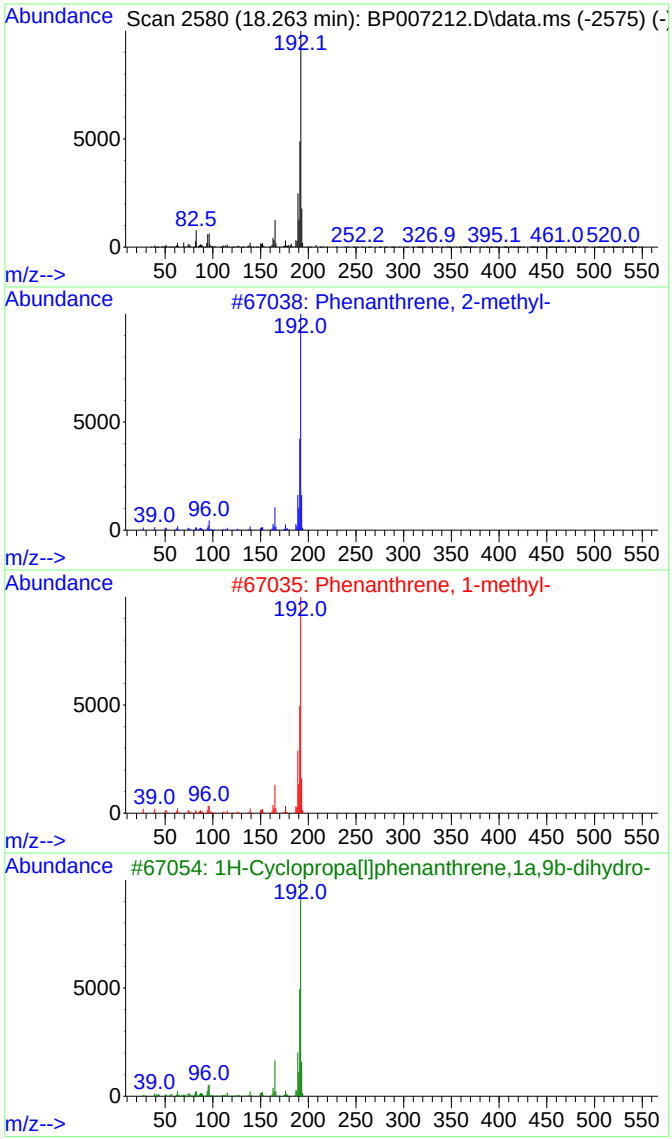
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

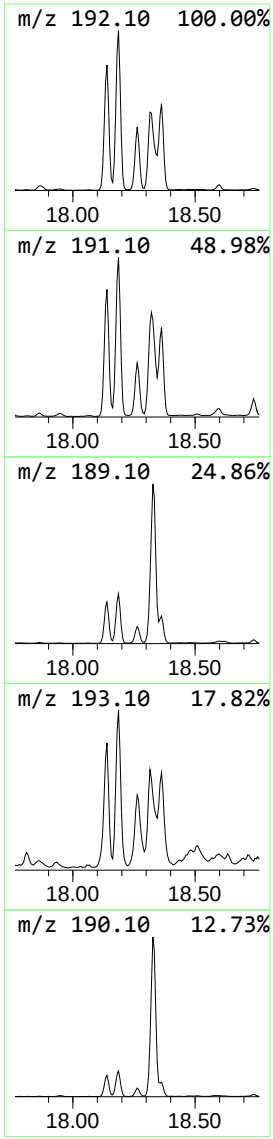
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	10.71 ng	1182100	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

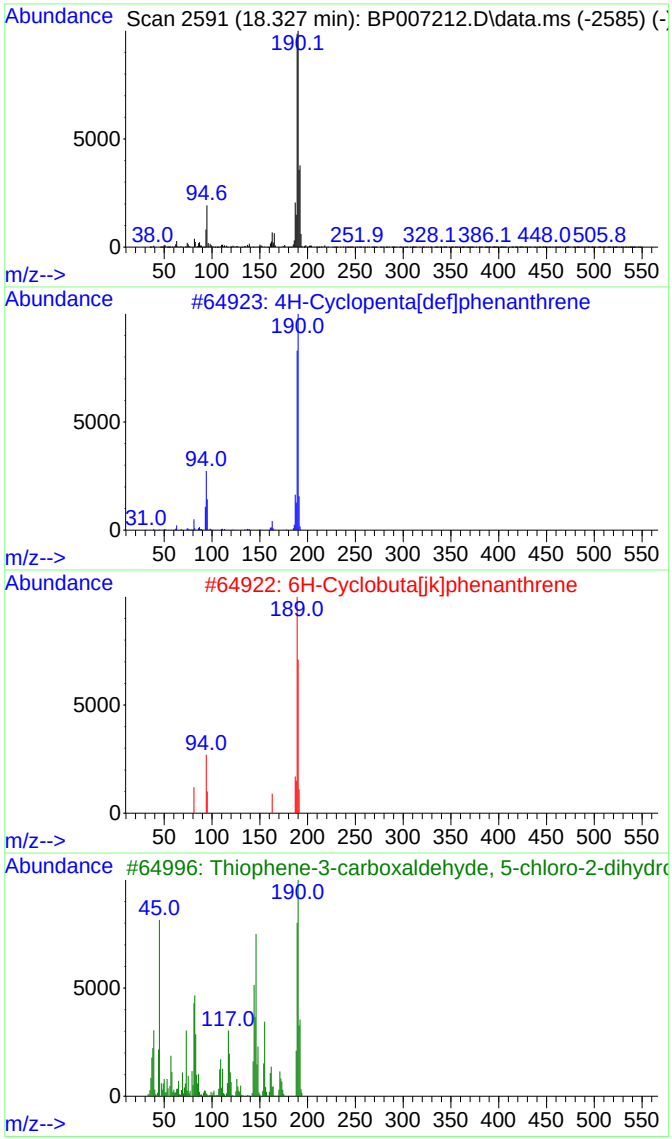
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

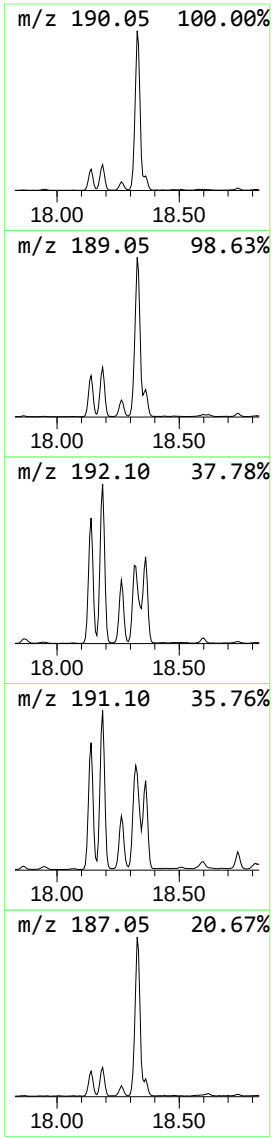
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	45.08 ng	4974390	Phenanthrene-d10	17.269

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	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

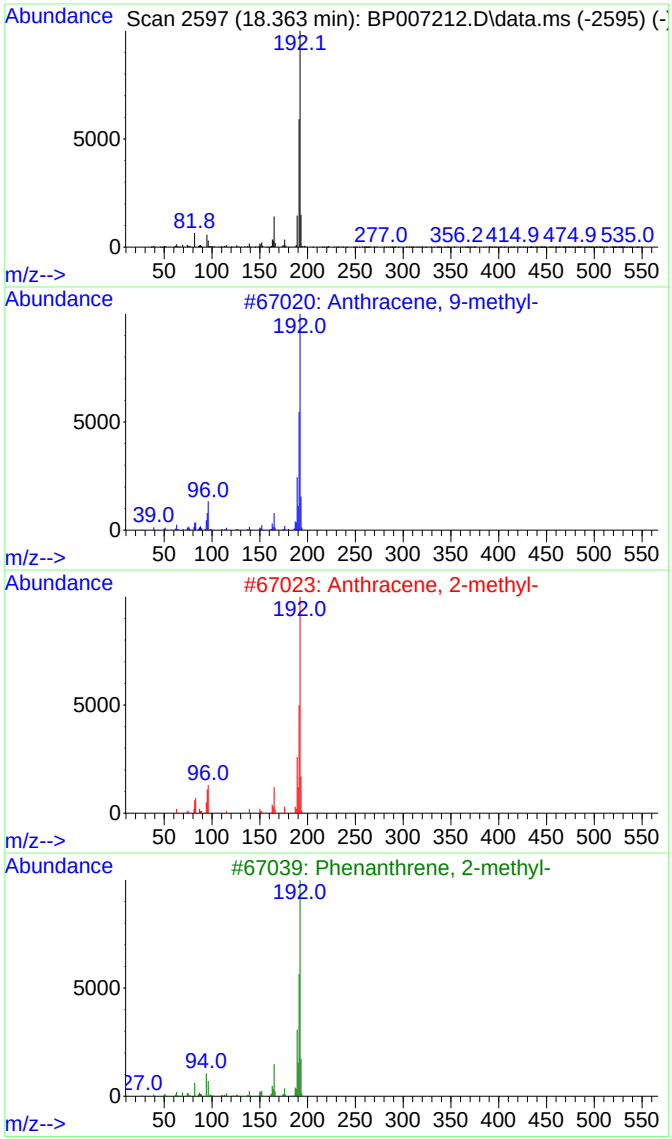
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

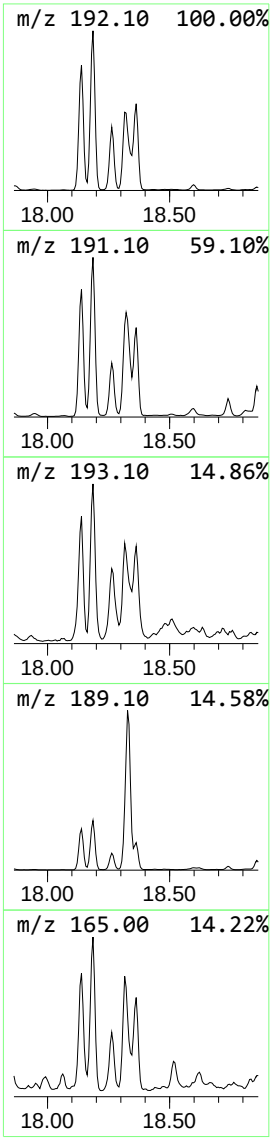
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	11.88 ng	1311280	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

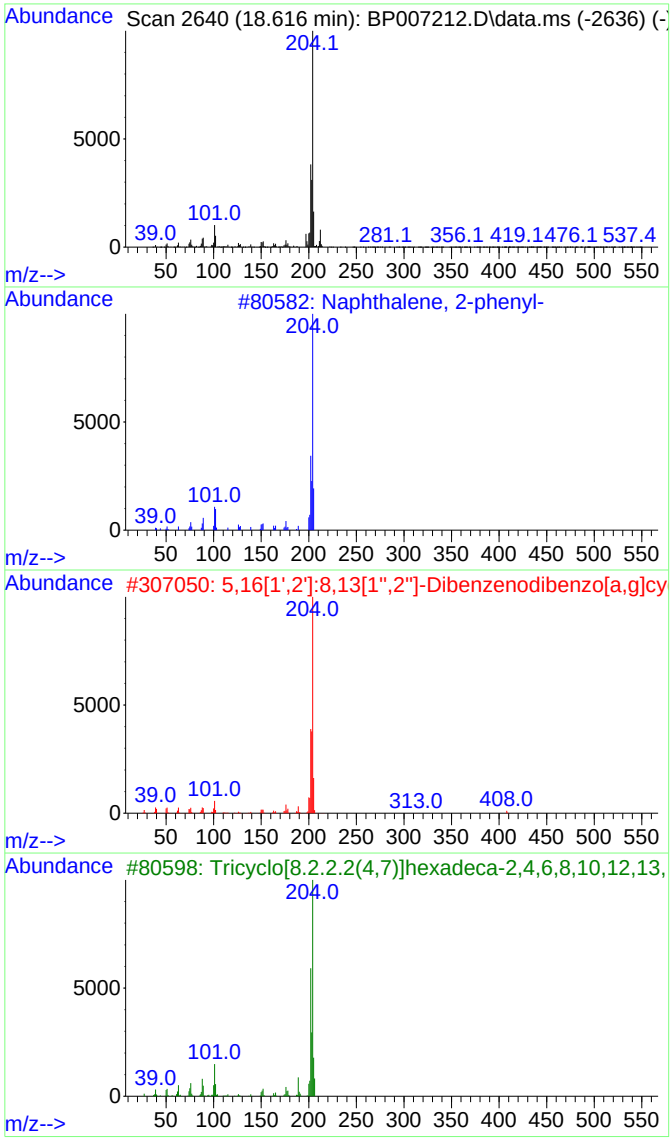
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

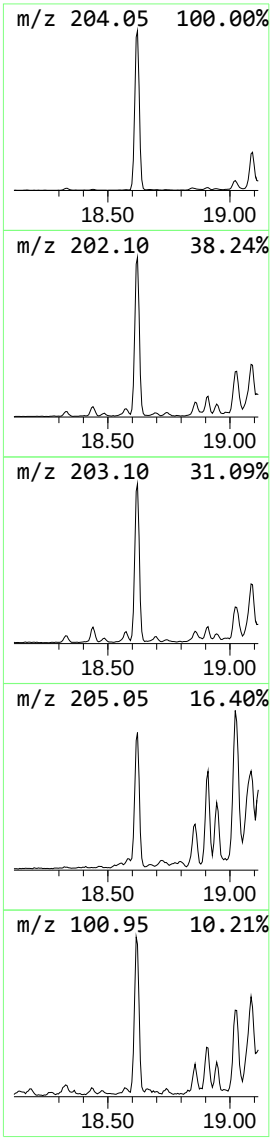
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.616	13.58 ng	1498620	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
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	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

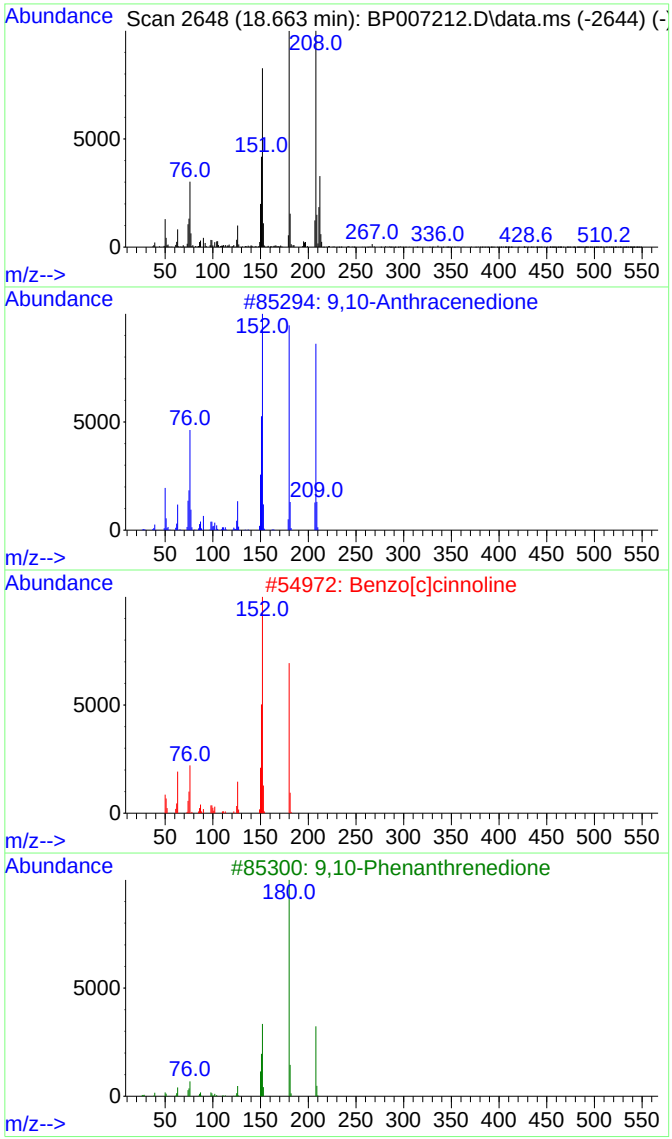
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

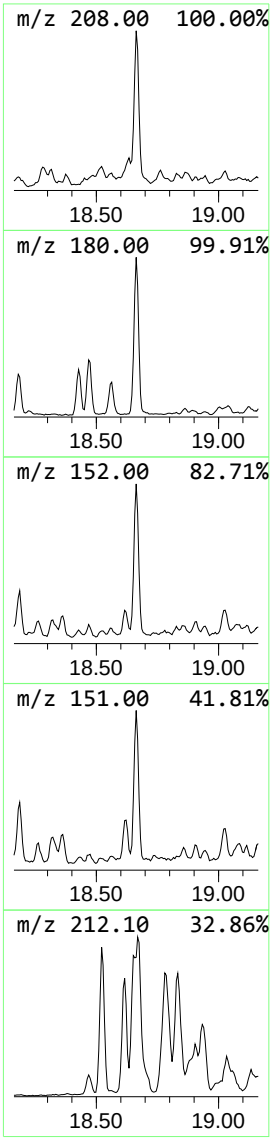
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	7.75 ng	855207	Phenanthrene-d10	17.269

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	60
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

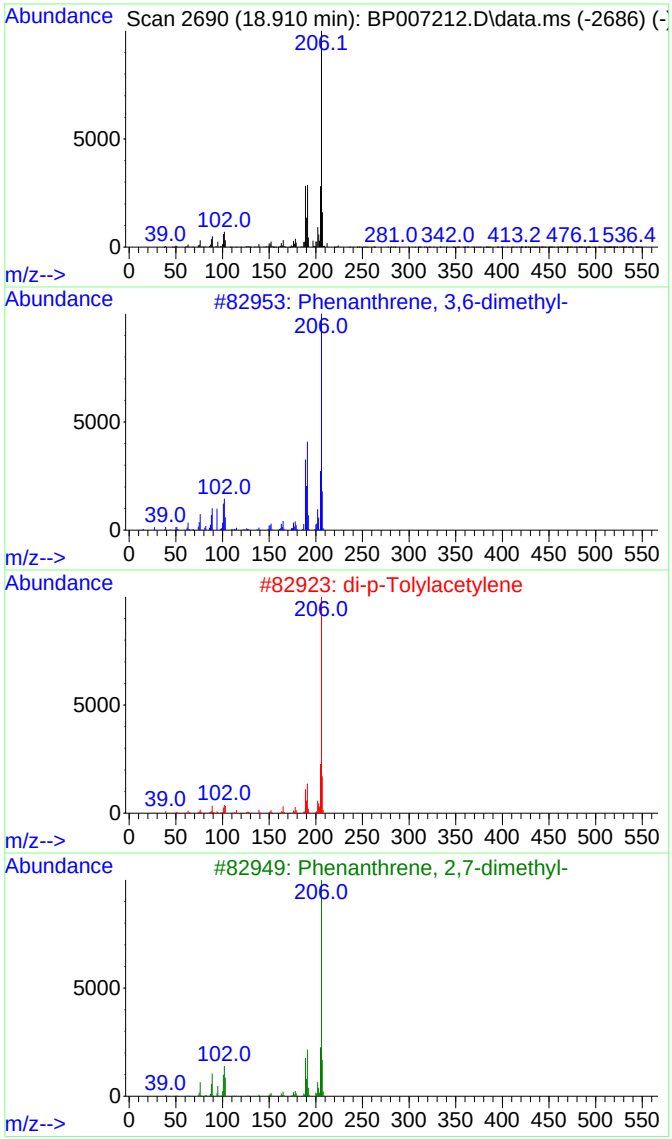
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

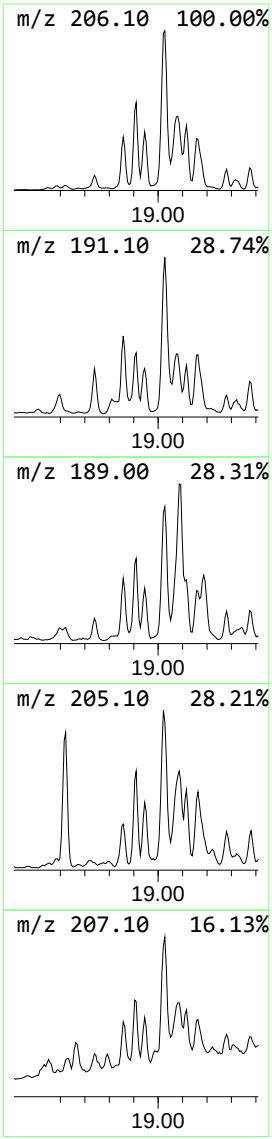
****

Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	5.30 ng	584509	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

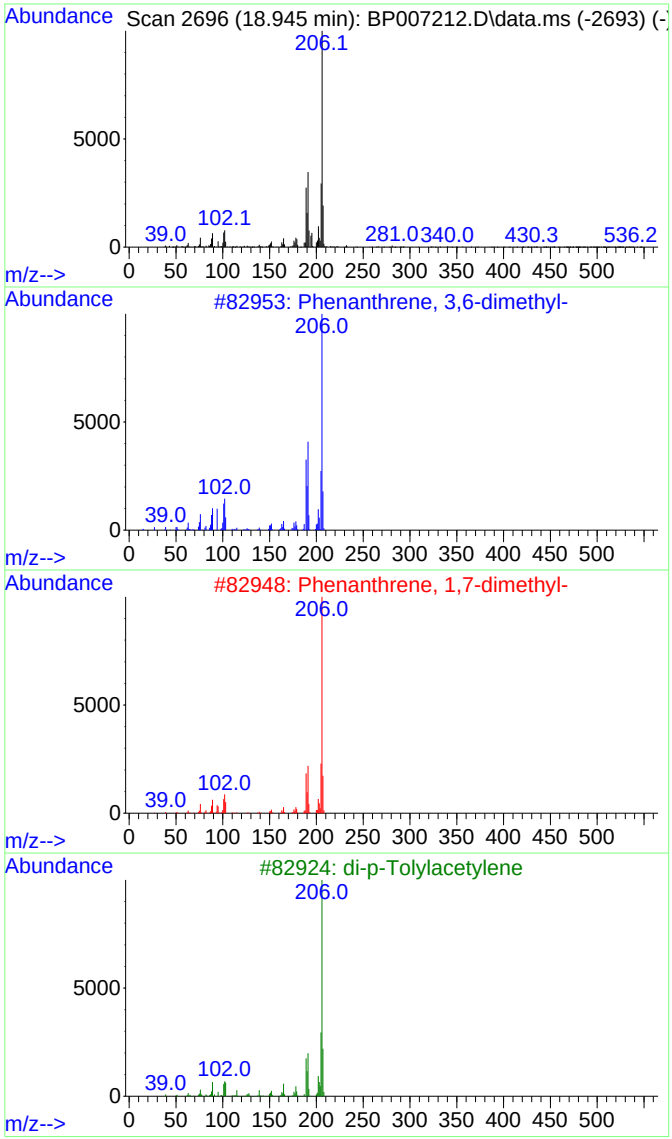
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

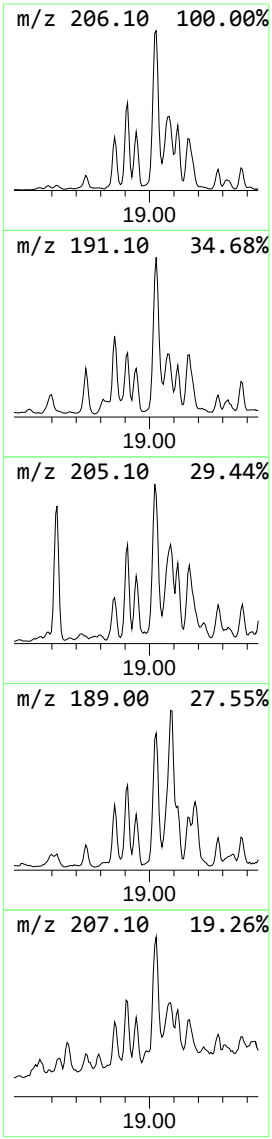
****

Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.945	5.00 ng	552294	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

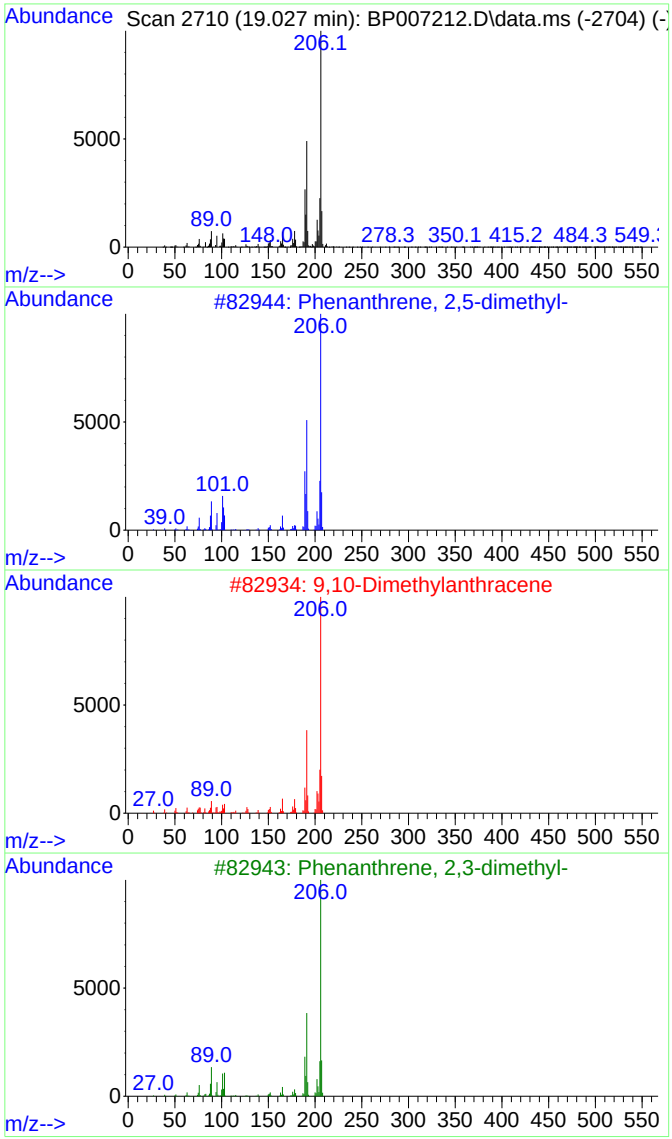
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

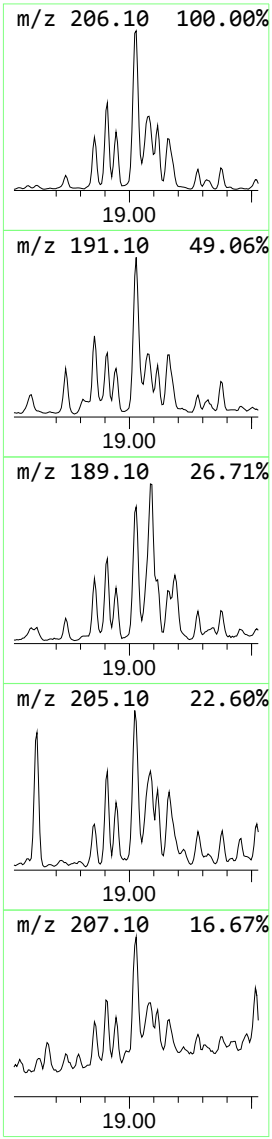
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.027	18.17 ng	2005580	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

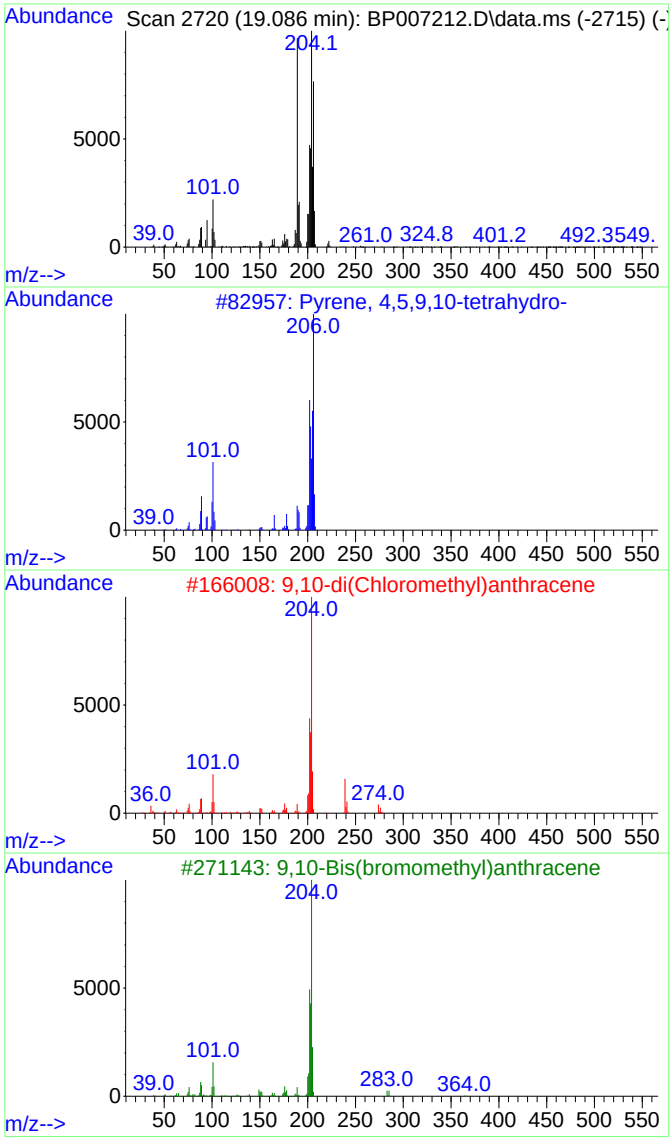
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

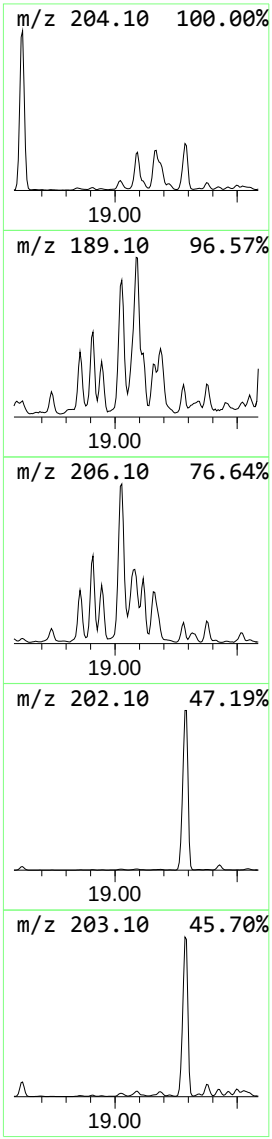
****

Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	11.07 ng	1221440	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	70
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

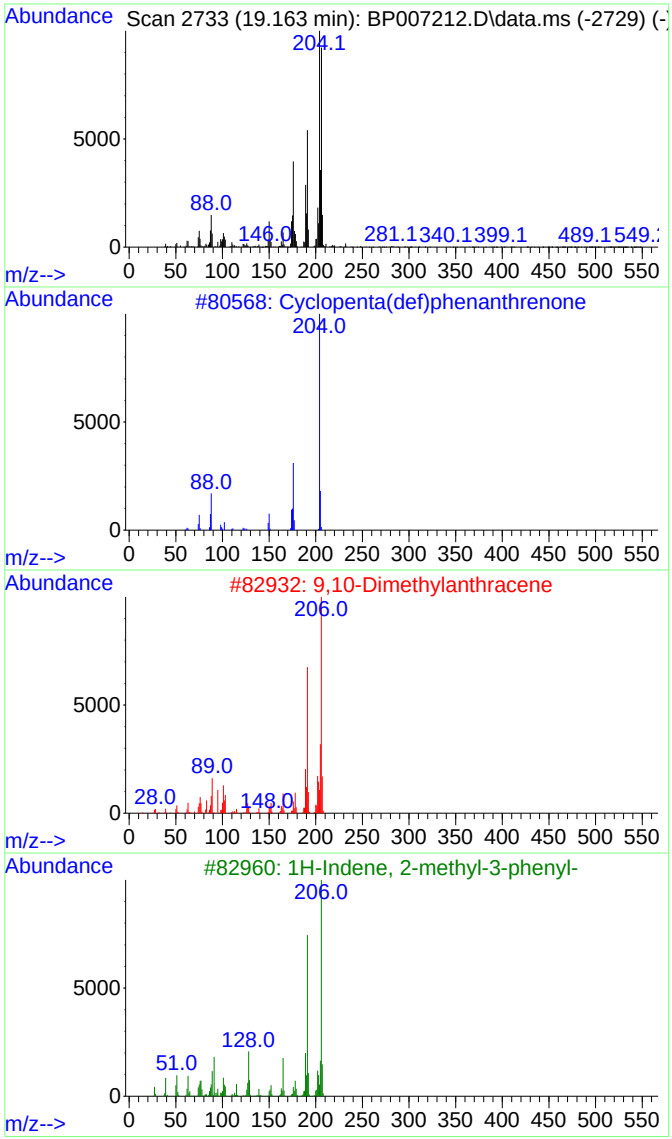
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

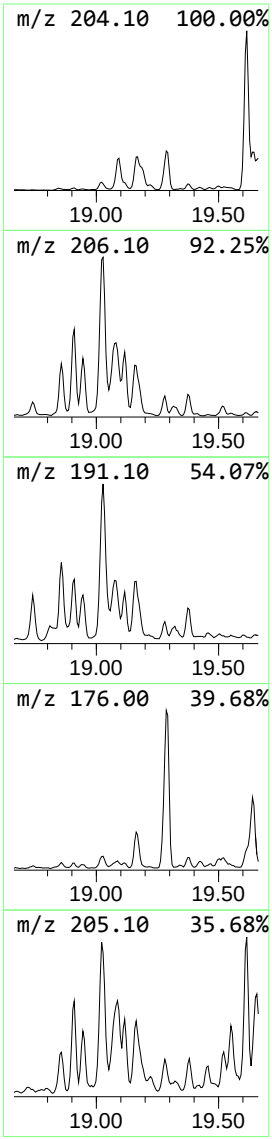
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	11.39 ng	1257160	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	55
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

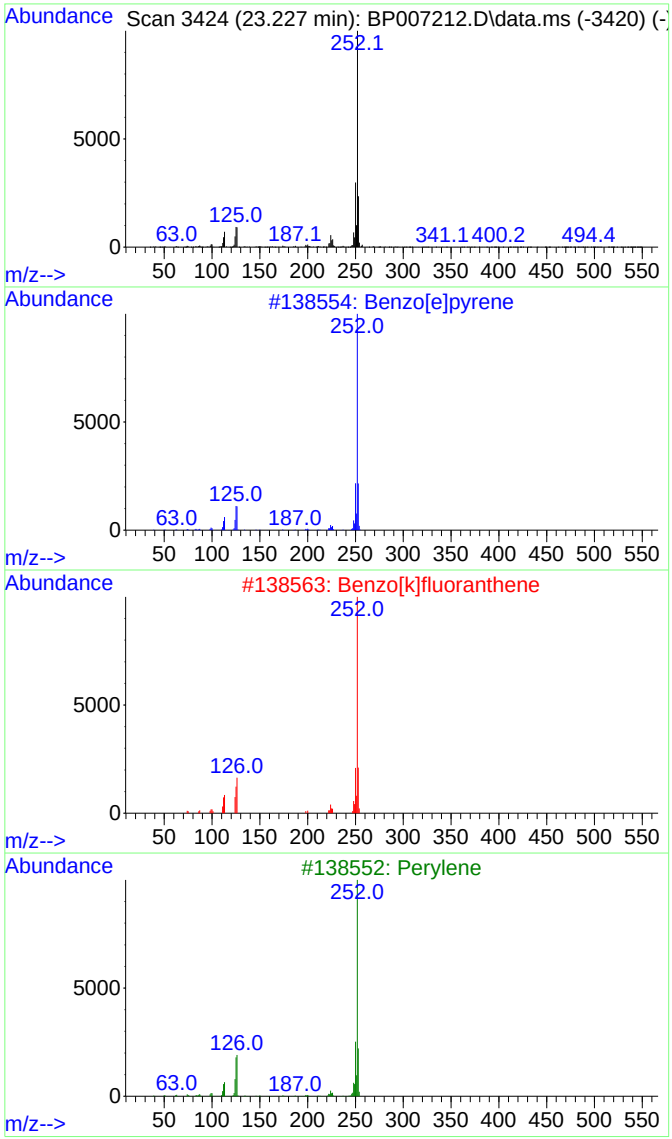
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

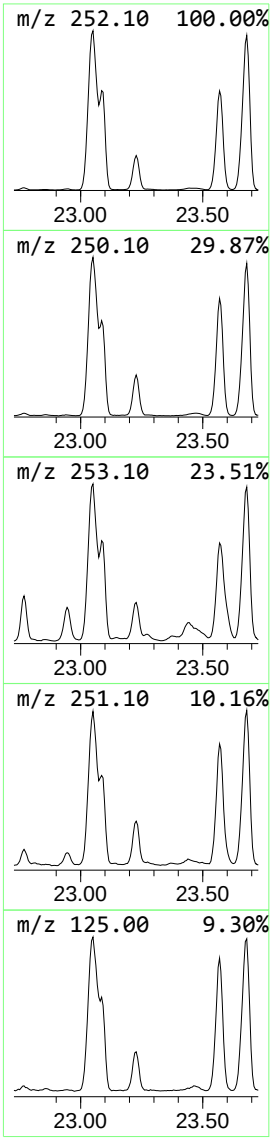
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.227	23.06 ng	2241800	Perylene-d12	23.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

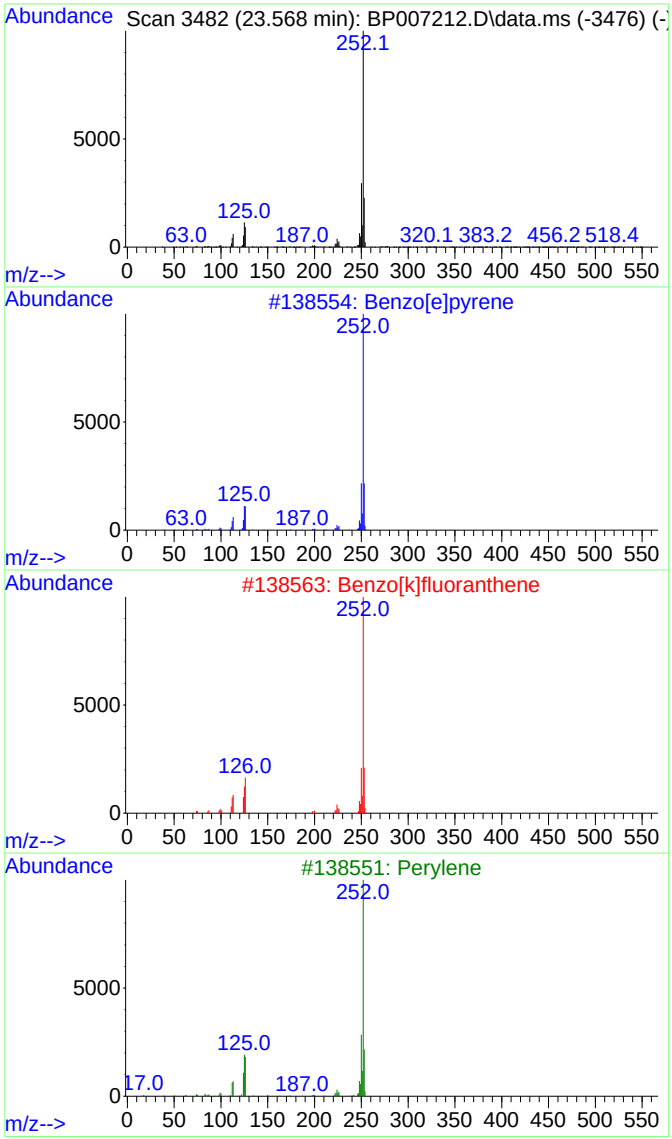
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

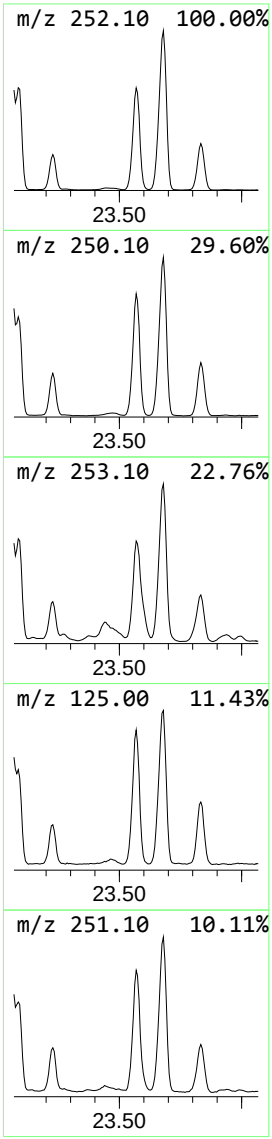
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.568	83.54 ng	8122190	Perylene-d12	23.780

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	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

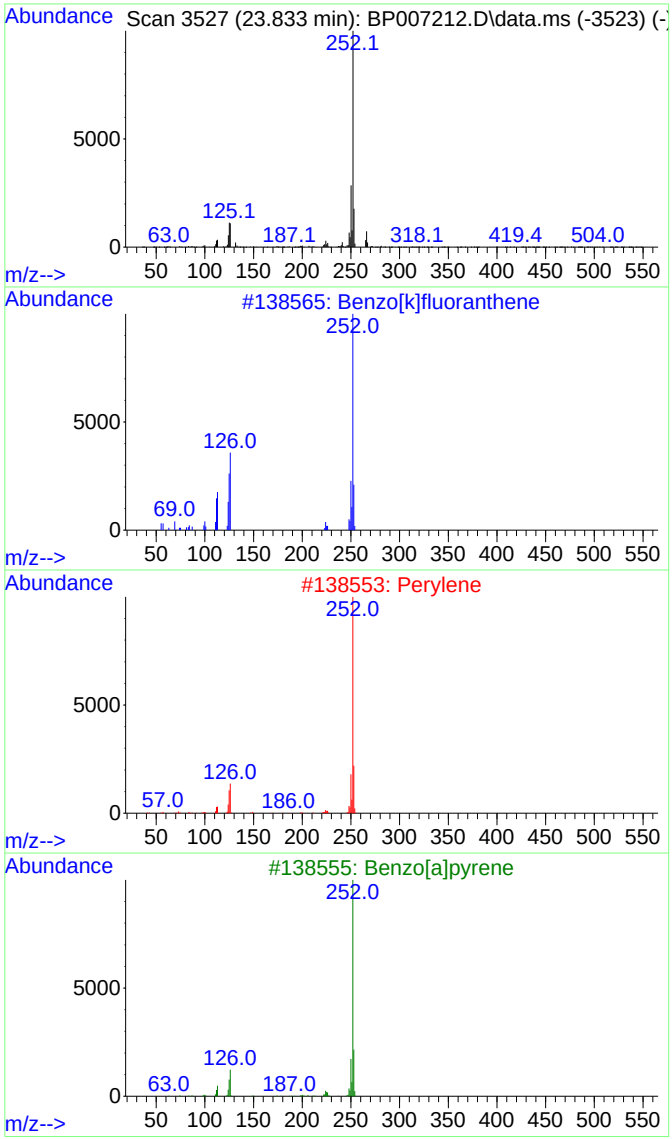
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

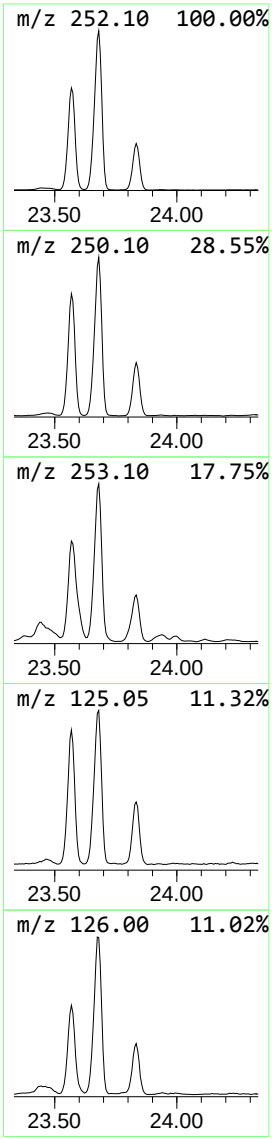
****

Peak Number 20 unknown23.833 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.833	39.94 ng	3882940	Perylene-d12	23.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Benzo[e]pyrene	252	C20H12	000192-97-2	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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
Naphthalene, 2,...	13.839	6.7	ng	692787	3	14.516	2082940	20.0
Dibenzofuran, 4...	15.857	5.1	ng	533853	3	14.516	2082940	20.0
9H-Fluorene, 2-...	16.569	6.2	ng	687638	4	17.269	2207110	20.0
Dibenzothiophene	17.086	10.2	ng	1125200	4	17.269	2207110	20.0
2-Methyldibenzo...	17.851	5.1	ng	560592	4	17.269	2207110	20.0
Phenanthrene, 2...	18.139	21.3	ng	2354490	4	17.269	2207110	20.0
Phenanthrene, 1...	18.186	27.7	ng	3057250	4	17.269	2207110	20.0
1H-Cyclopropa[l...	18.263	10.7	ng	1182100	4	17.269	2207110	20.0
4H-Cyclopenta[d...	18.328	45.1	ng	4974390	4	17.269	2207110	20.0
Anthracene, 9-m...	18.363	11.9	ng	1311280	4	17.269	2207110	20.0
Naphthalene, 2-...	18.616	13.6	ng	1498620	4	17.269	2207110	20.0
9,10-Anthracene...	18.663	7.8	ng	855207	4	17.269	2207110	20.0
Phenanthrene, 3...	18.910	5.3	ng	584509	4	17.269	2207110	20.0
Phenanthrene, 1...	18.945	5.0	ng	552294	4	17.269	2207110	20.0
Phenanthrene, 2...	19.027	18.2	ng	2005580	4	17.269	2207110	20.0
Pyrene, 4,5,9,1...	19.086	11.1	ng	1221440	4	17.269	2207110	20.0
Cyclopenta(def)...	19.163	11.4	ng	1257160	4	17.269	2207110	20.0
Benzo[e]pyrene	23.227	23.1	ng	2241800	6	23.780	1944550	20.0
Perylene	23.568	83.5	ng	8122190	6	23.780	1944550	20.0
unknown23.833	23.833	39.9	ng	3882940	6	23.780	1944550	20.0