Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042578.D
Acq On : 03 Nov 2023 19:47
Operator : MA/JU
Sample : 05215-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
600566096

Quant Time: Nov 03 22:40:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:52:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.916	152	53568	20.000	ng		0.00
21) Naphthalene-d8	10.734	136	204609	20.000	ng		0.00
39) Acenaphthene-d10	14.569	164	126785	20.000	ng		0.00
64) Phenanthrene-d10	17.321	188	280440	20.000	ng	#	0.00
76) Chrysene-d12	21.503	240	276403	20.000	ng		0.00
86) Perylene-d12	23.921	264	303788	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	55515	16.725	ng		0.01
7) Phenol-d6	7.081	99	70883	15.571	ng		0.00
23) Nitrobenzene-d5	9.116	82	51872	11.818	ng		0.00
42) 2,4,6-Tribromophenol	16.063	330	28861	17.436	ng		0.00
45) 2-Fluorobiphenyl	13.186	172	100938	10.713	ng		0.00
79) Terphenyl-d14	19.933	244	157245	9.646	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.363	178	126605	8.639	ng		99
72) Anthracene	17.451	178	44974	3.098	ng		96
75) Fluoranthene	19.374	202	199562	11.592	ng		98
78) Pyrene	19.739	202	167846	8.843	ng		97
81) Benzo(a)anthracene	21.486	228	88683	5.043	ng		97
83) Chrysene	21.539	228	75226	4.211	ng		95
87) Indeno(1,2,3-cd)pyrene	26.450	276	42576	2.355	ng	#	91
88) Benzo(b)fluoranthene	23.174	252	93843	5.545	ng	#	92
90) Benzo(a)pyrene	23.809	252	66555	3.994	ng	#	91
91) Dibenzo(a,h)anthracene	26.456	278	10938	4.737	ng	#	50
92) Benzo(g,h,i)perylene	27.238	276	42504	2.667	ng		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
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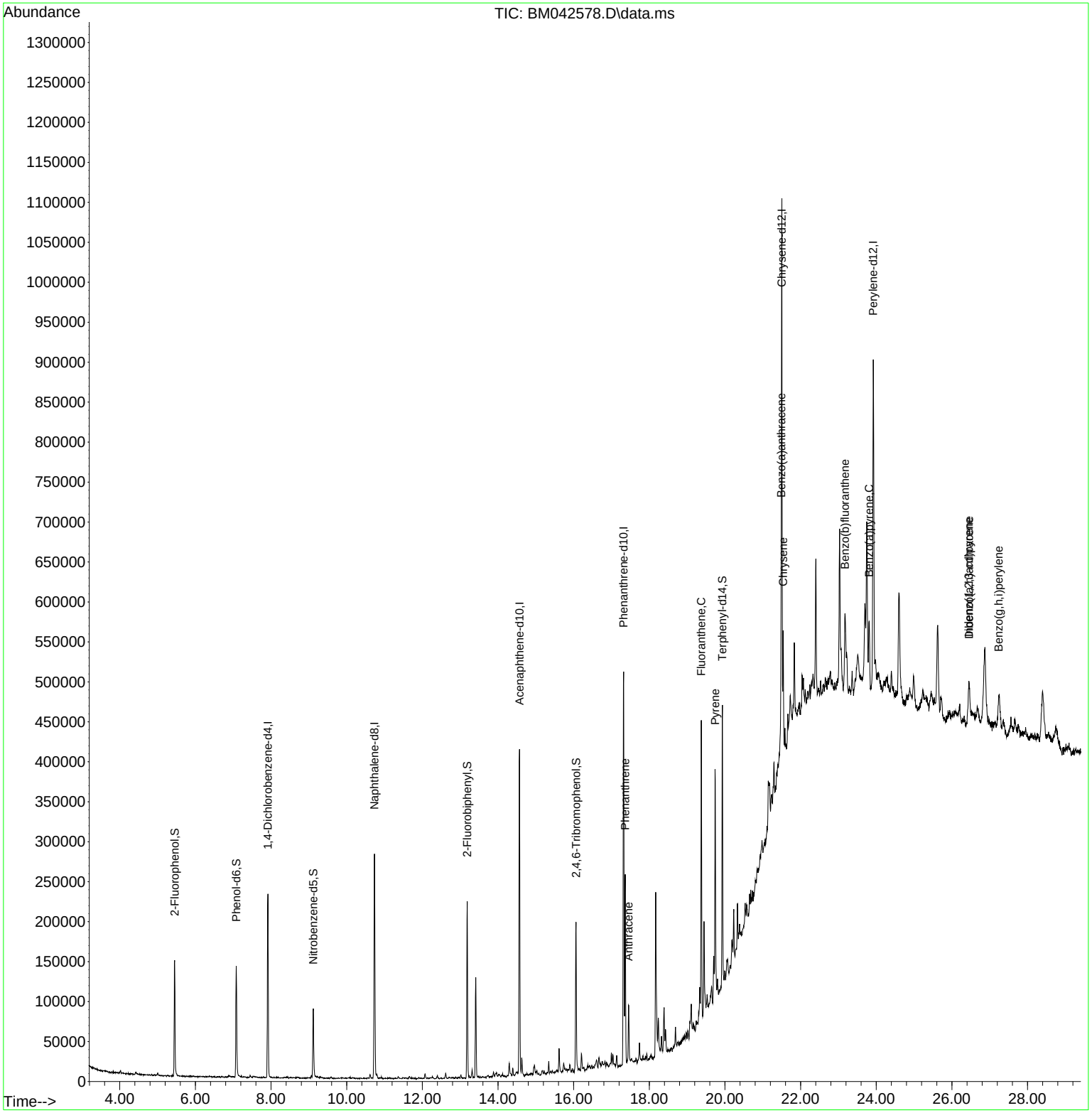
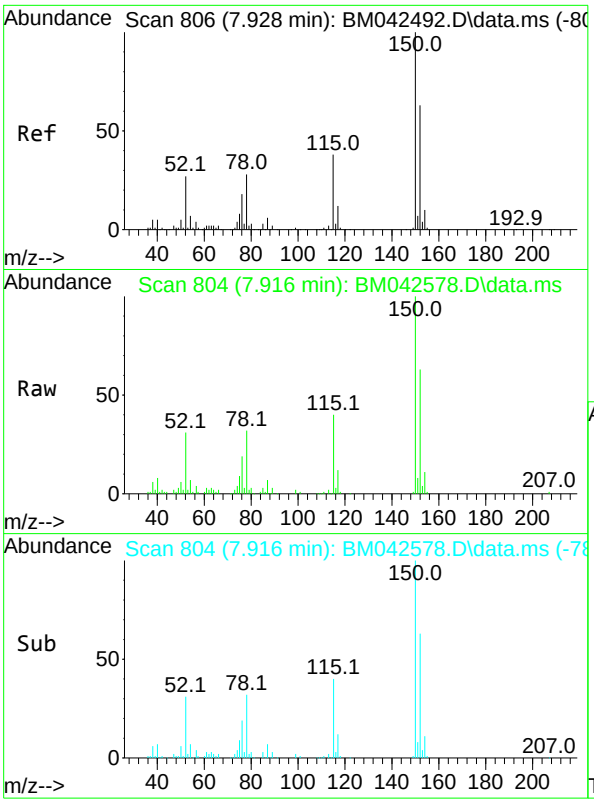
Quant Time: Nov 03 22:40:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:52:20 2023
Response via : Initial Calibration



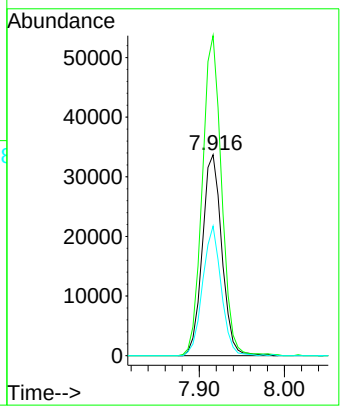


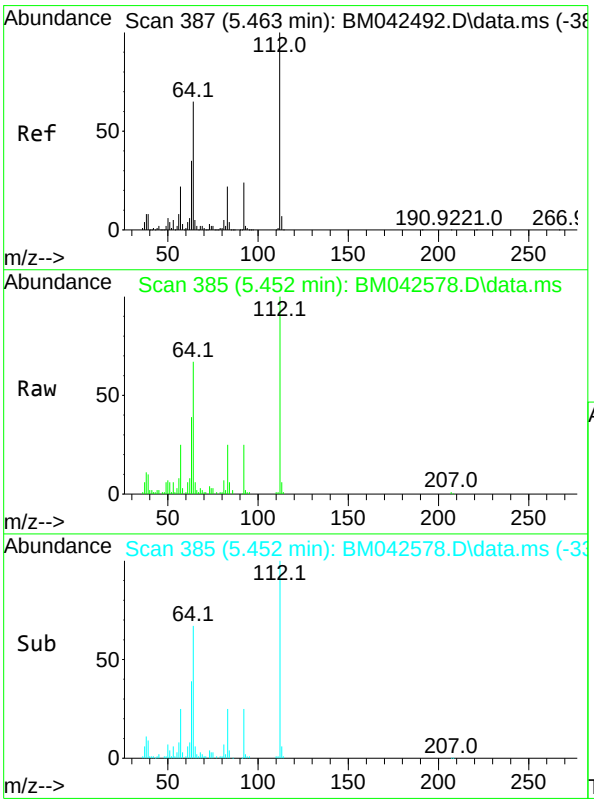
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 80
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:152 Resp: 53568

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.4	191.0
115	64.5	47.9	71.9

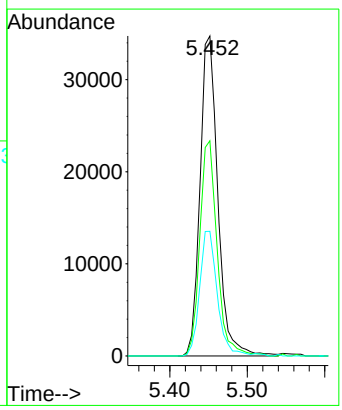


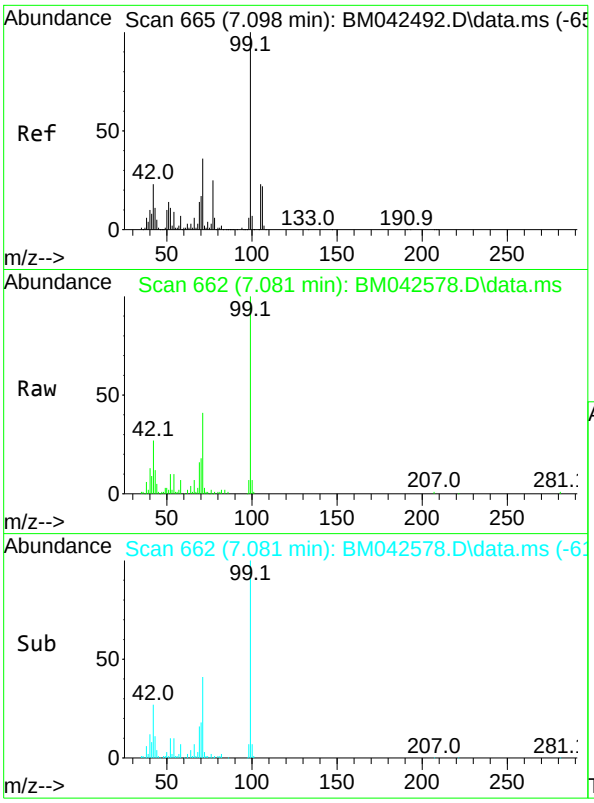


#5
2-Fluorophenol
Concen: 16.725 ng
RT: 5.452 min Scan# 385
Delta R.T. 0.012 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:112 Resp: 55515

Ion	Ratio	Lower	Upper
112	100		
64	67.2	52.1	78.1
63	39.0	28.3	42.5



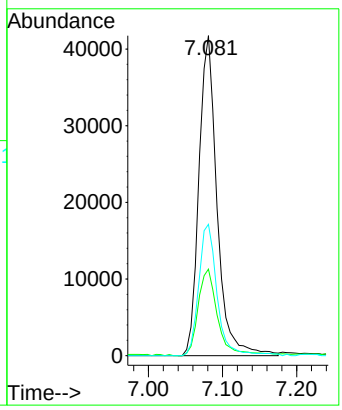


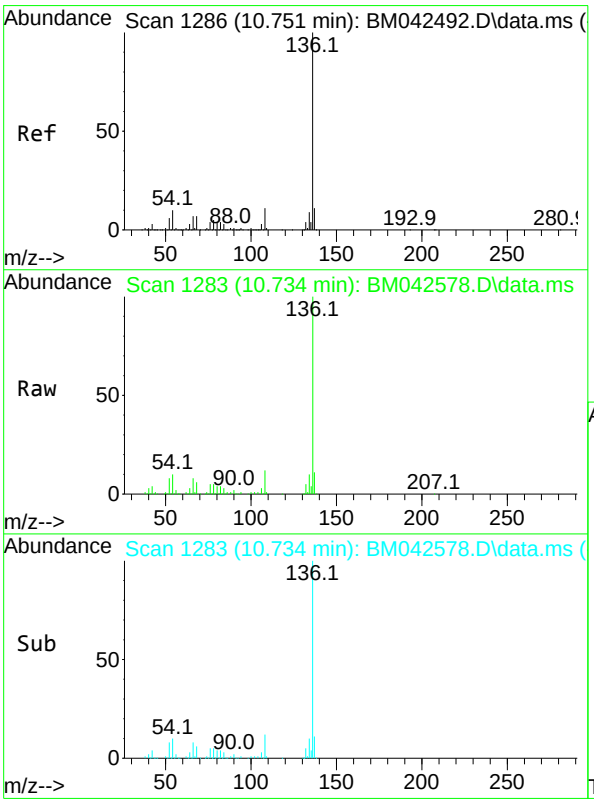
#7
Phenol-d6
Concen: 15.571 ng
RT: 7.081 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion: 99 Resp: 70883

Ion	Ratio	Lower	Upper
99	100		
42	27.0	18.7	28.1
71	41.1	29.1	43.7

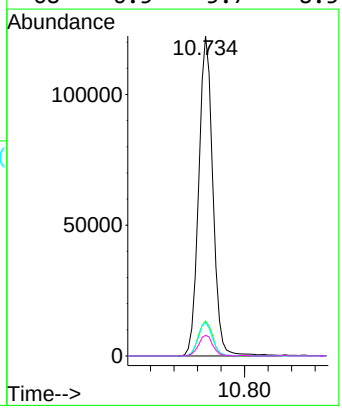


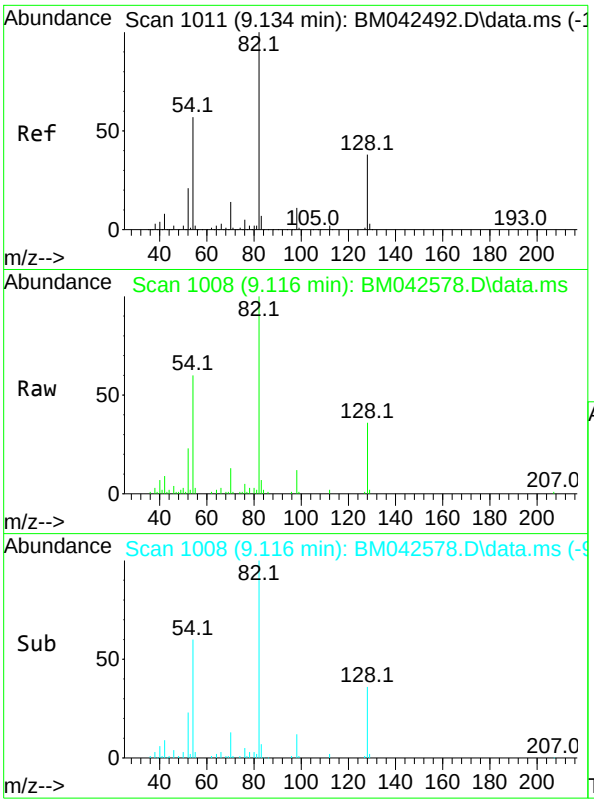


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:136 Resp: 204609

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	10.4	8.0	12.0
68	6.5	5.7	8.5



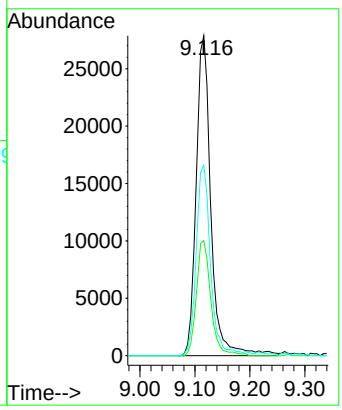


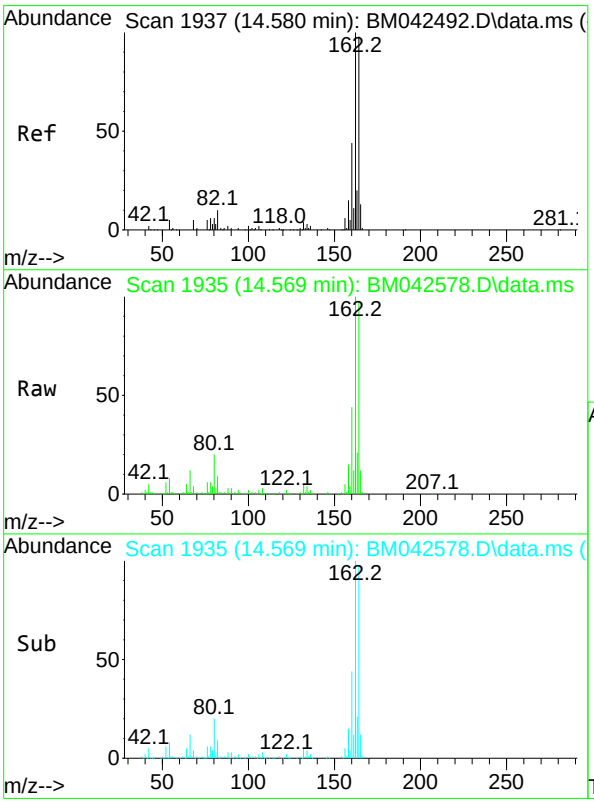
#23
Nitrobenzene-d5
Concen: 11.818 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion: 82 Resp: 51872

Ion	Ratio	Lower	Upper
82	100		
128	35.9	30.7	46.1
54	59.5	45.3	67.9

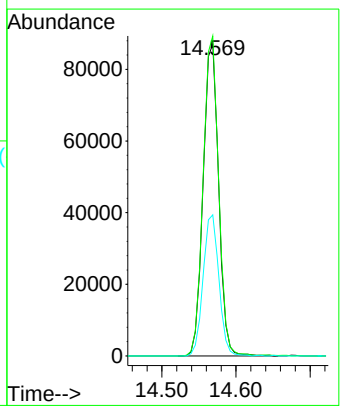


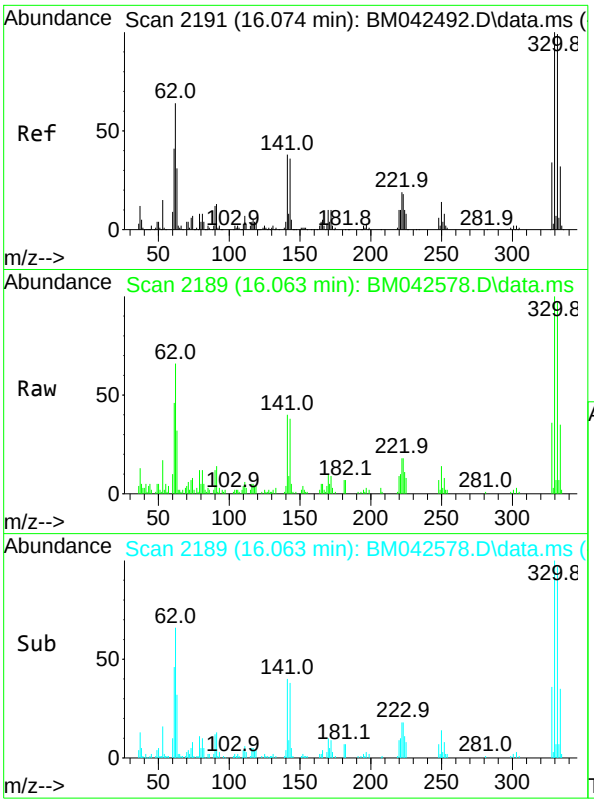


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:164 Resp: 126785

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.6	122.4
160	45.2	36.2	54.4



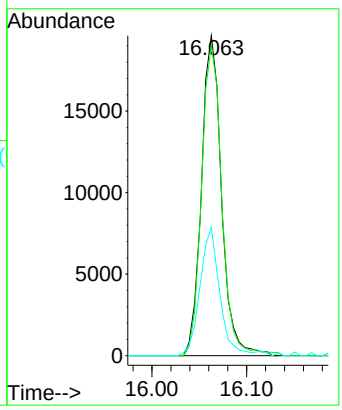


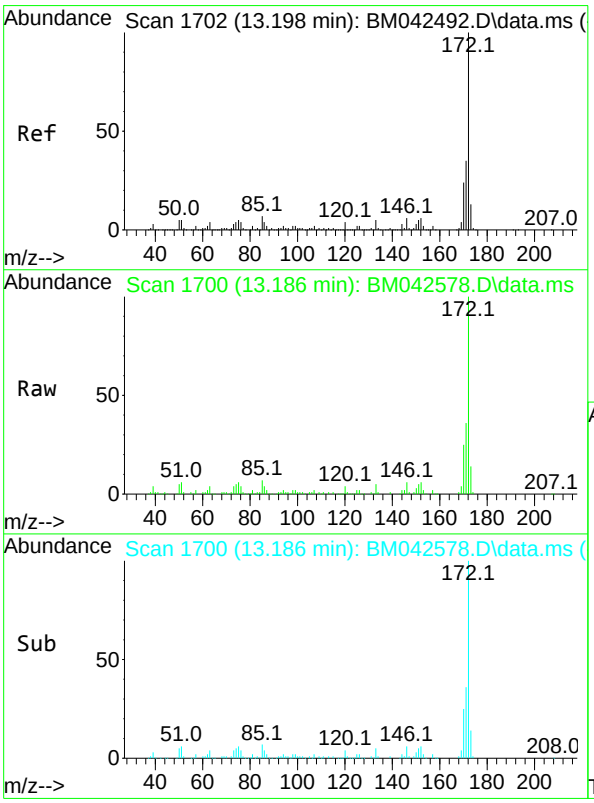
#42
2,4,6-Tribromophenol
Concen: 17.436 ng
RT: 16.063 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:330 Resp: 28861

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.8	118.2
141	40.1	31.1	46.7

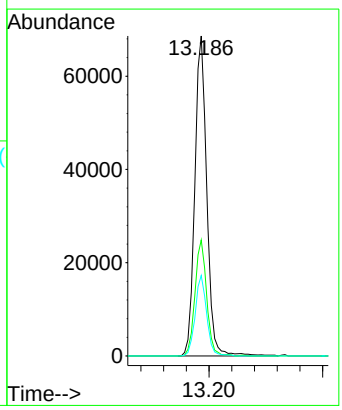


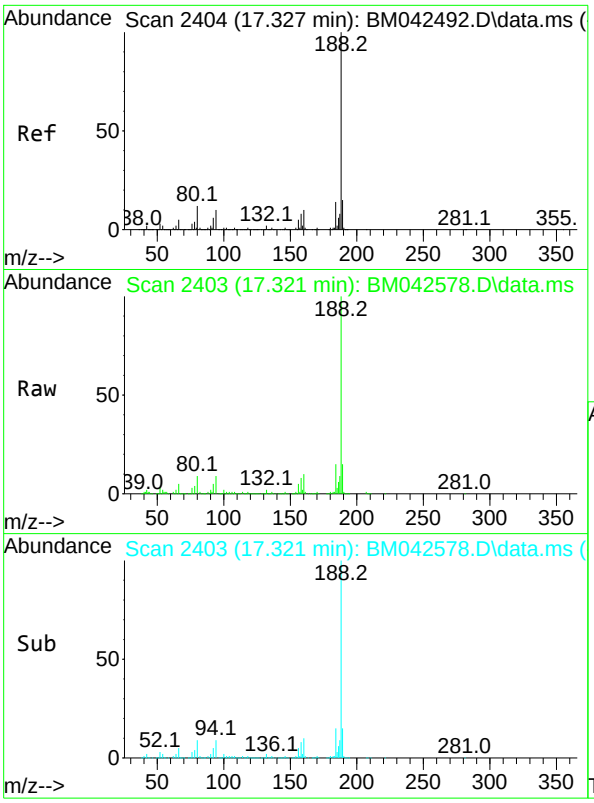


#45
2-Fluorobiphenyl
Concen: 10.713 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:172 Resp: 100938

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.2
170	25.2	19.0	28.4



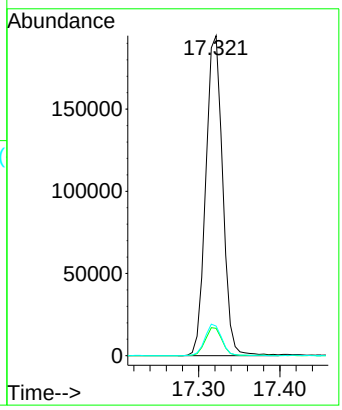


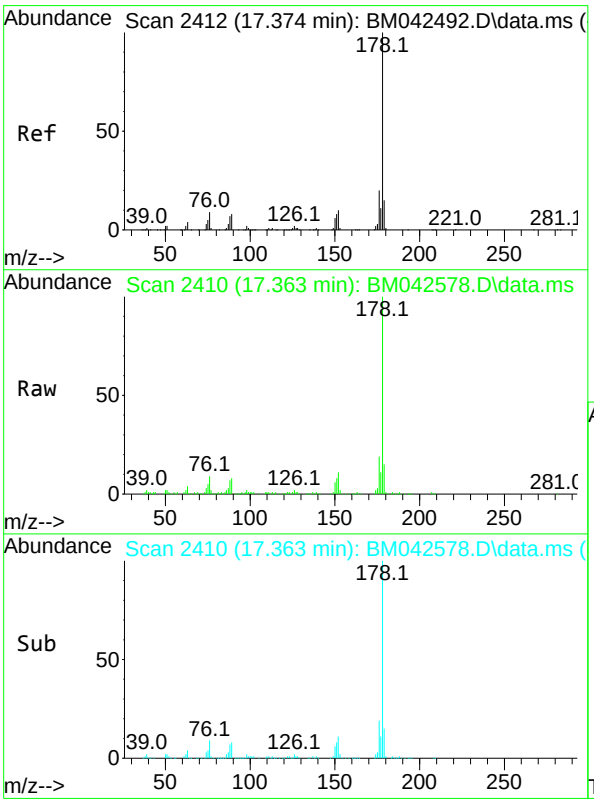
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:188 Resp: 280440

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.4
80	9.2	9.4	14.2#

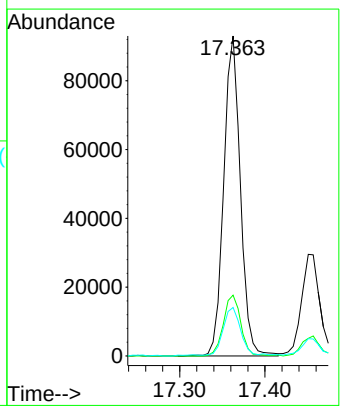


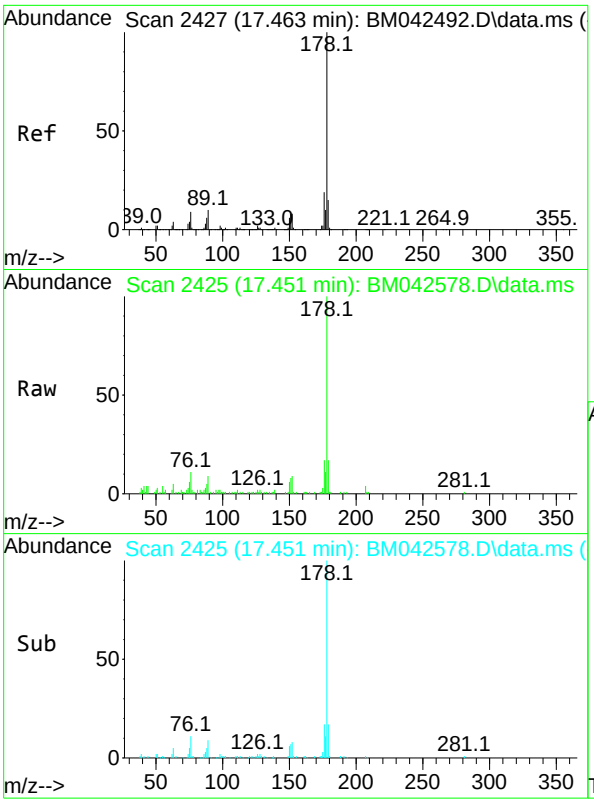


#71
Phenanthrene
Concen: 8.639 ng
RT: 17.363 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:178 Resp: 126605

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.1	12.2	18.4



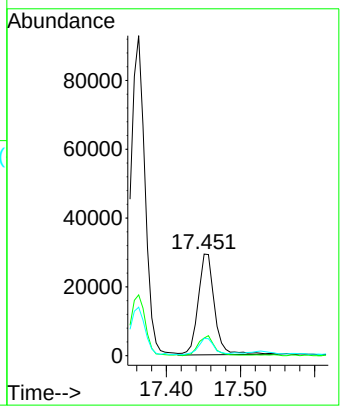


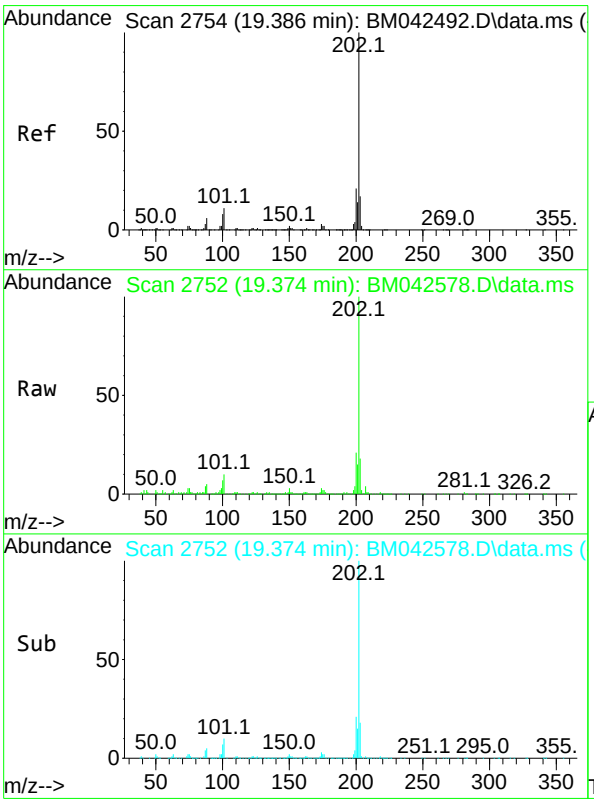
#72
Anthracene
Concen: 3.098 ng
RT: 17.451 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:178 Resp: 44974

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.2	22.8
179	17.0	12.3	18.5

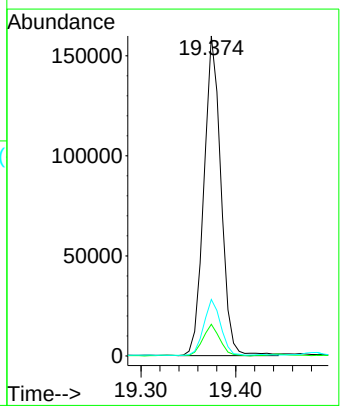


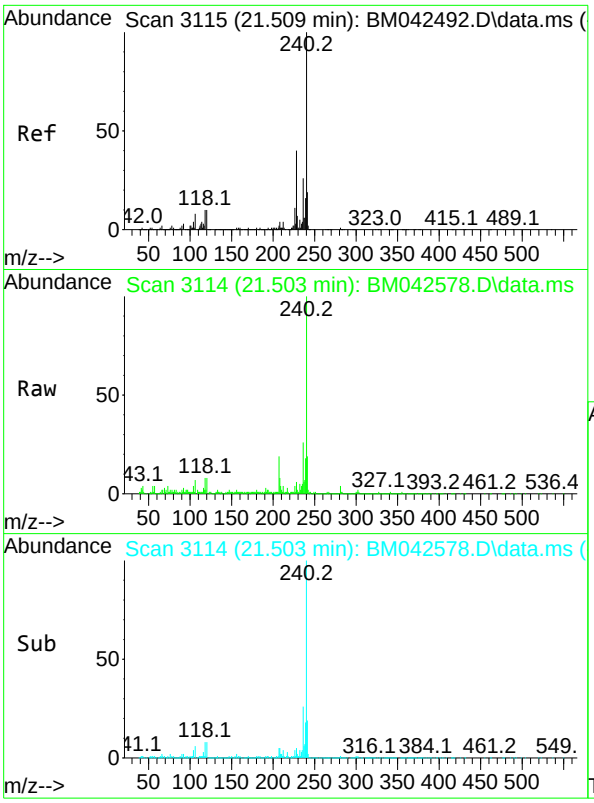


#75
Fluoranthene
Concen: 11.592 ng
RT: 19.374 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:202 Resp: 199562

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.5
203	17.7	0.0	37.0



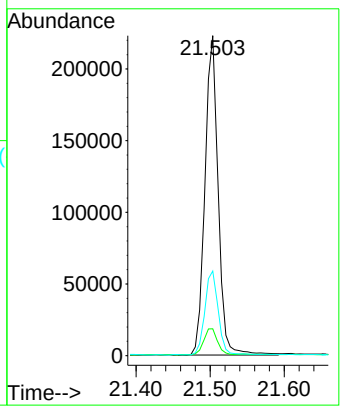


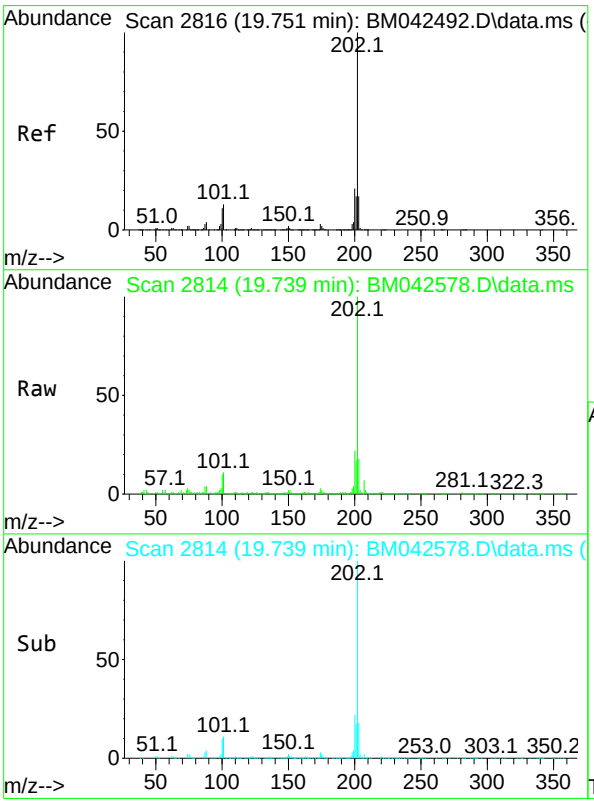
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:240 Resp: 276403

Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.3	12.5
236	26.5	20.8	31.2

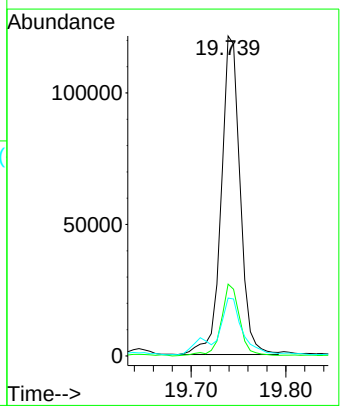


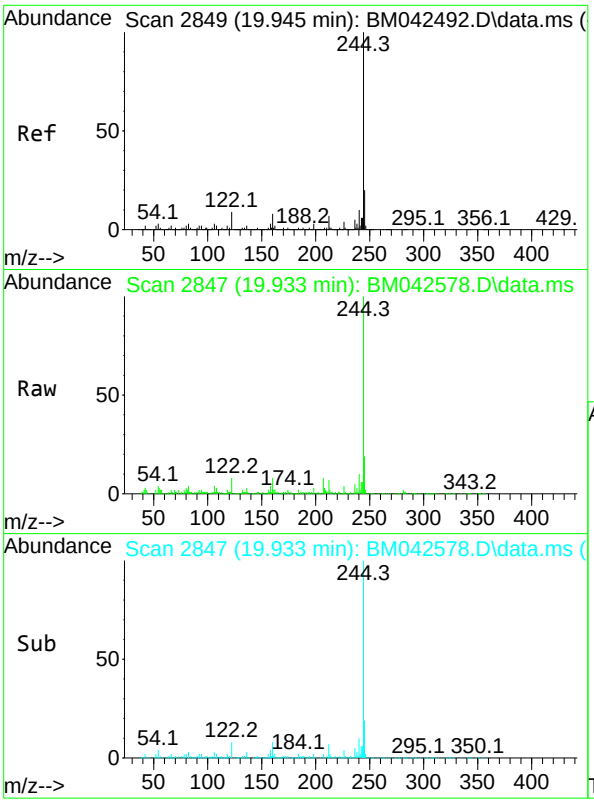


#78
Pyrene
Concen: 8.843 ng
RT: 19.739 min Scan# 2814
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:202 Resp: 167846

Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.9	25.3
203	18.1	13.7	20.5



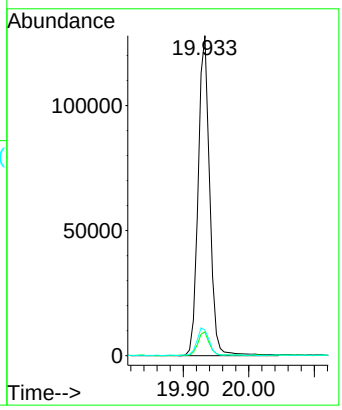


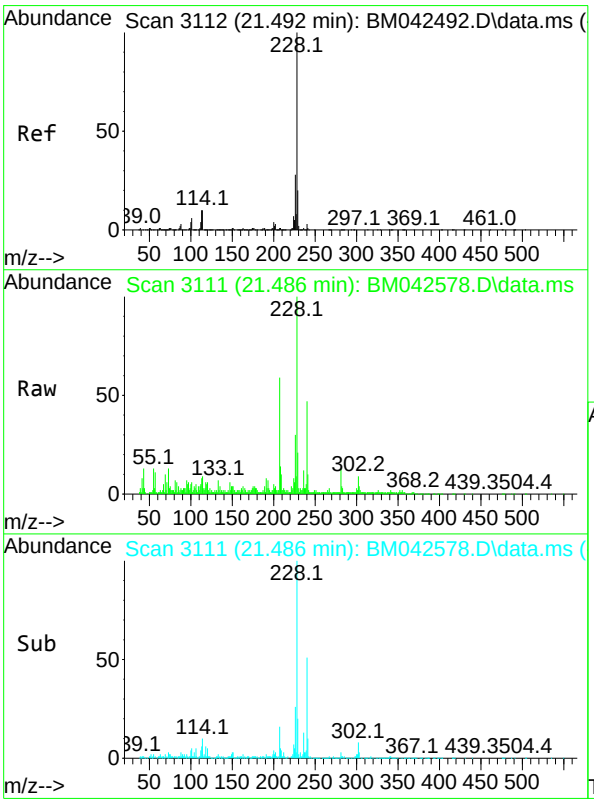
#79
Terphenyl-d14
Concen: 9.646 ng
RT: 19.933 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:244 Resp: 157245

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	8.0	7.2	10.8

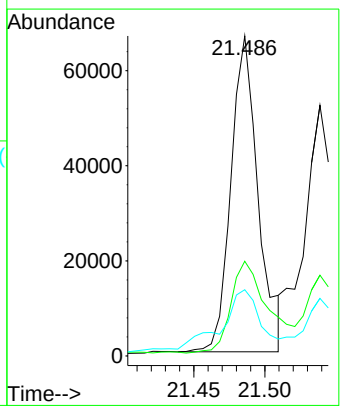


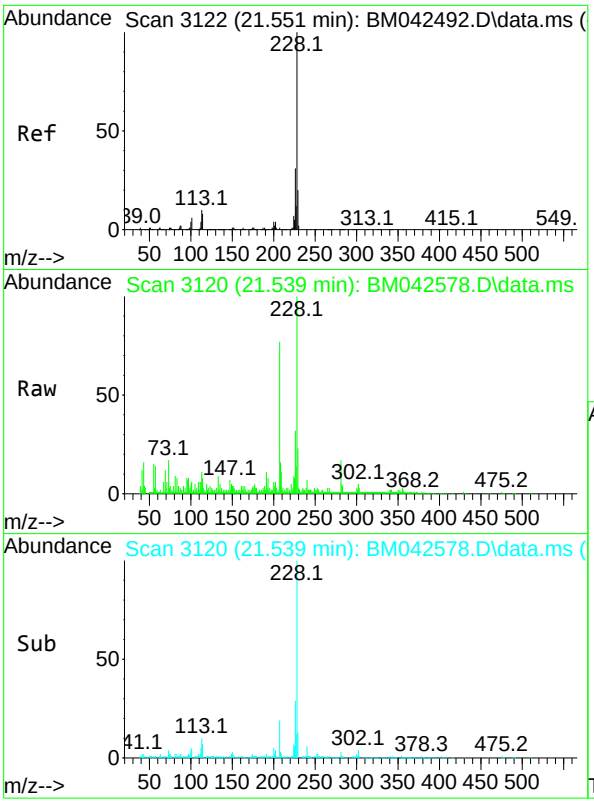


#81
Benzo(a)anthracene
Concen: 5.043 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:228 Resp: 88683

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	20.7	15.8	23.8



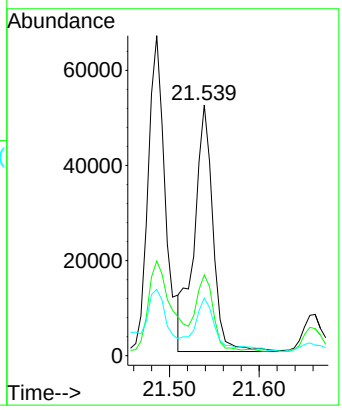


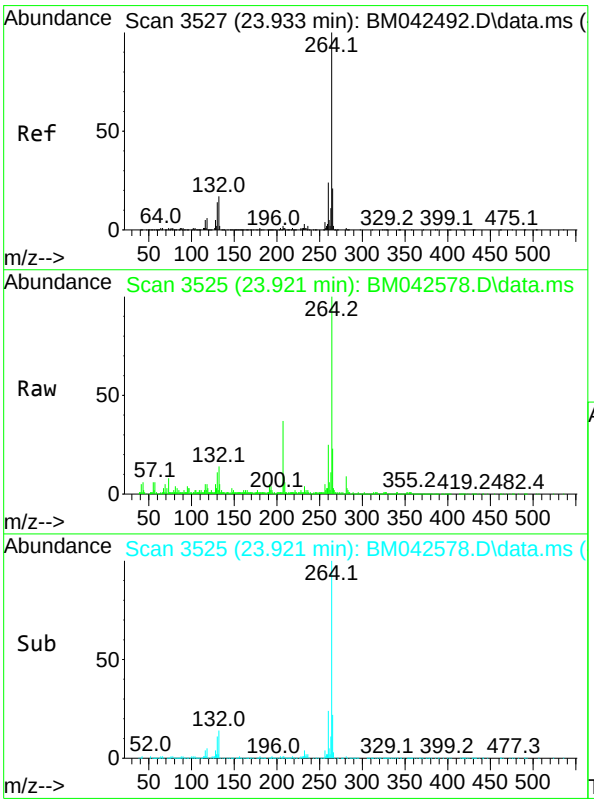
#83
Chrysene
Concen: 4.211 ng
RT: 21.539 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:228 Resp: 75226

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.4	36.6
229	23.0	15.7	23.5

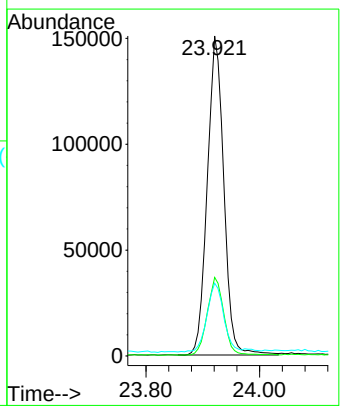


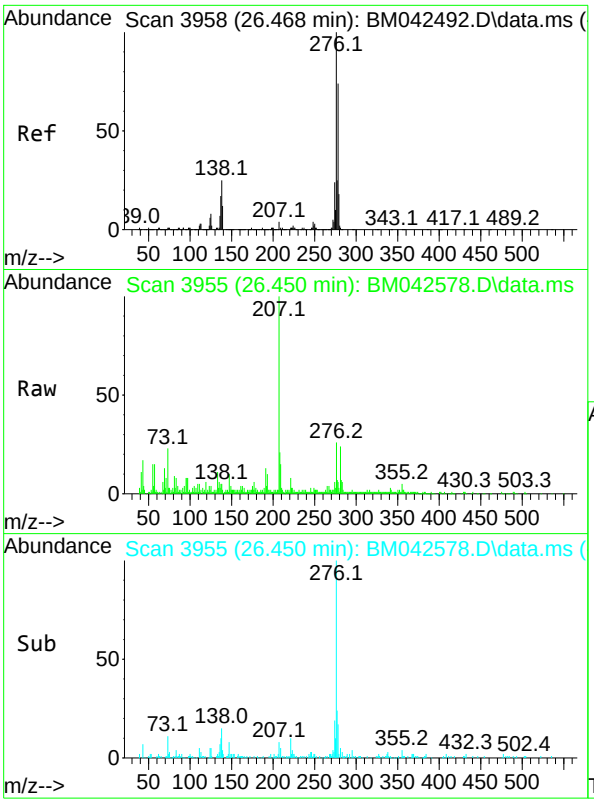


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.921 min Scan# 3525
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:264 Resp: 303788

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	22.8	18.7	28.1



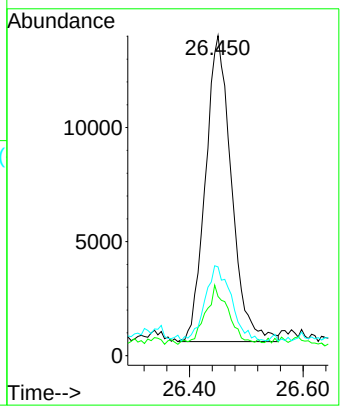


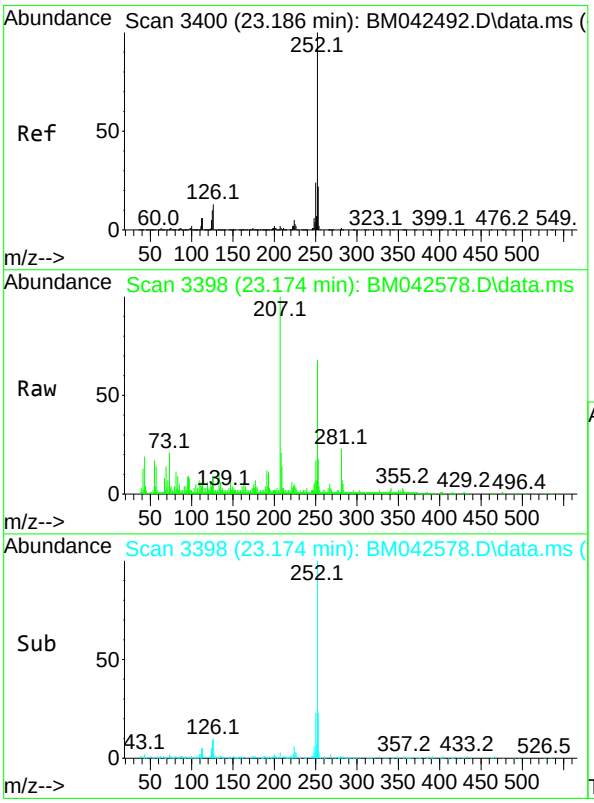
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.355 ng
RT: 26.450 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:276 Resp: 42576

Ion	Ratio	Lower	Upper
276	100		
138	17.1	20.6	31.0#
277	24.6	19.5	29.3

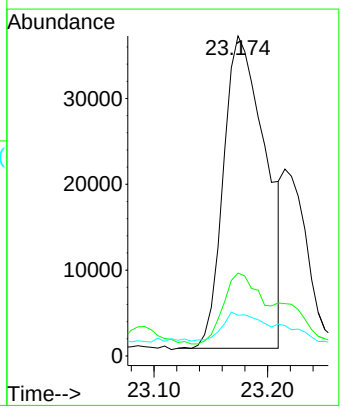


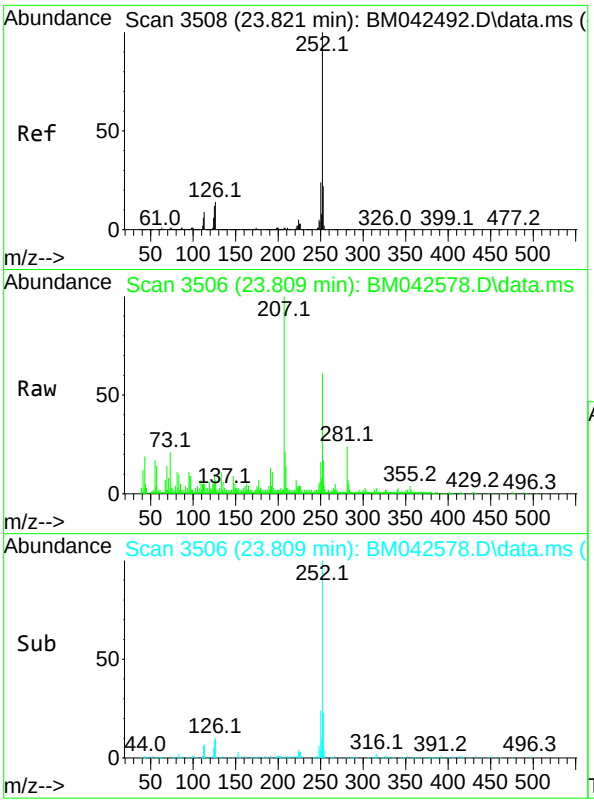


#88
Benzo(b)fluoranthene
Concen: 5.545 ng
RT: 23.174 min Scan# 3398
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:252 Resp: 93843

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	12.7	7.8	11.6#



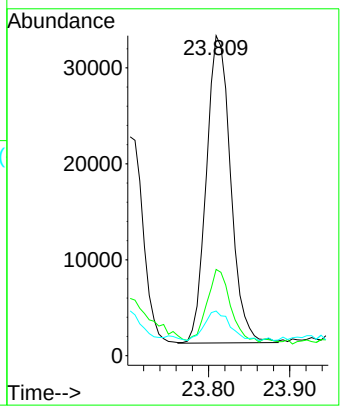


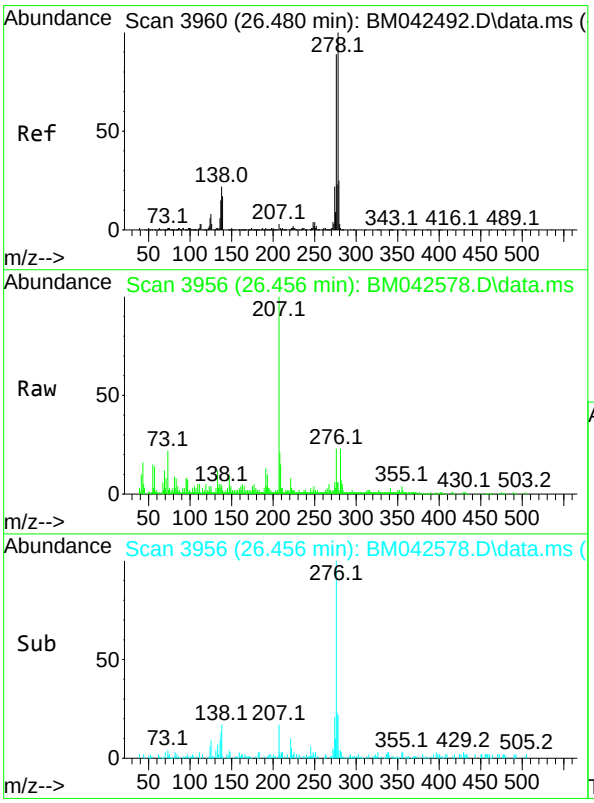
#90
Benzo(a)pyrene
Concen: 3.994 ng
RT: 23.809 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:252 Resp: 66555

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	13.9	9.4	14.2

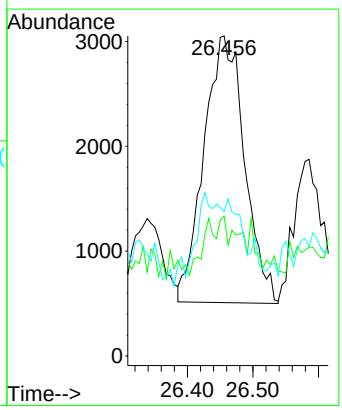


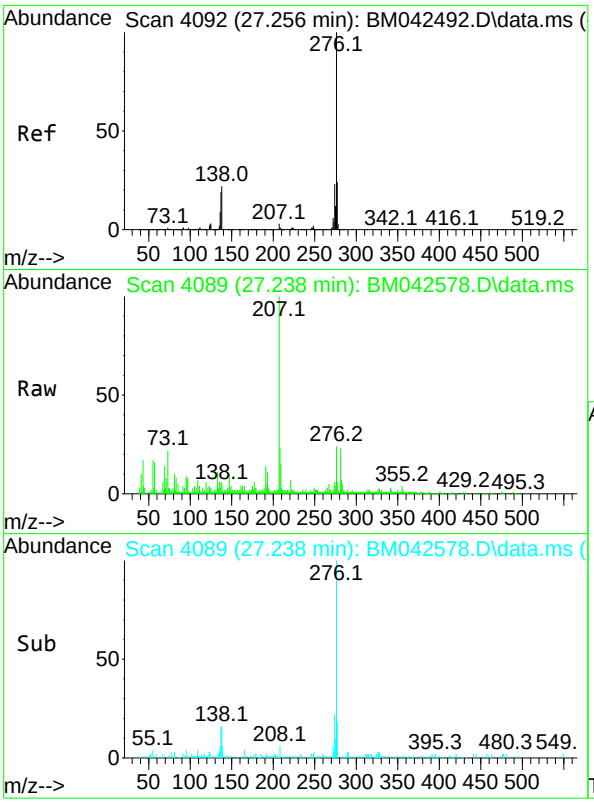


#91
Dibenzo(a,h)anthracene
Concen: 4.737 ng
RT: 26.456 min Scan# 3956
Delta R.T. -0.012 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:278 Resp: 10938

Ion	Ratio	Lower	Upper
278	100		
139	43.7	13.4	20.2#
279	45.2	19.7	29.5#





#92
Benzo(g,h,i)perylene
Concen: 2.667 ng
RT: 27.238 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Instrument :
BNA_M
ClientSampleId :
600566096

Tgt Ion:276 Resp: 42504

Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.2	28.8
138	18.9	17.3	25.9