Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
Data File : BM041226.D
Acq On : 01 Aug 2023 15:55
Operator : MA/JU
Sample : 03797-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Quant Time: Aug 01 17:01:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 31 16:29:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.798	152	217333	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	844006	20.000	ng		0.00
39) Acenaphthene-d10	14.463	164	468221	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	904925	20.000	ng	#	0.00
76) Chrysene-d12	21.427	240	792648	20.000	ng		0.00
86) Perylene-d12	23.803	264	882800	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	1102709	75.833	ng		0.01
7) Phenol-d6	6.987	99	1432155	75.980	ng		0.01
23) Nitrobenzene-d5	8.975	82	901489	49.672	ng		0.00
42) 2,4,6-Tribromophenol	15.968	330	509033	76.861	ng		0.00
45) 2-Fluorobiphenyl	13.080	172	1854302	50.029	ng		0.00
79) Terphenyl-d14	19.862	244	2290272	52.242	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.268	178	113843	2.264	ng		99
75) Fluoranthene	19.292	202	291238	5.156	ng		99
78) Pyrene	19.656	202	288400	5.203	ng		99
81) Benzo(a)anthracene	21.409	228	150458	2.800	ng		95
83) Chrysene	21.462	228	147134	2.831	ng		94
84) Bis(2-ethylhexyl)phtha...	21.333	149	23999	3.246	ng	#	93
88) Benzo(b)fluoranthene	23.080	252	194781	3.714	ng	#	88
90) Benzo(a)pyrene	23.697	252	147039	2.918	ng	#	90
92) Benzo(g,h,i)perylene	27.009	276	131800	2.488	ng		96

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

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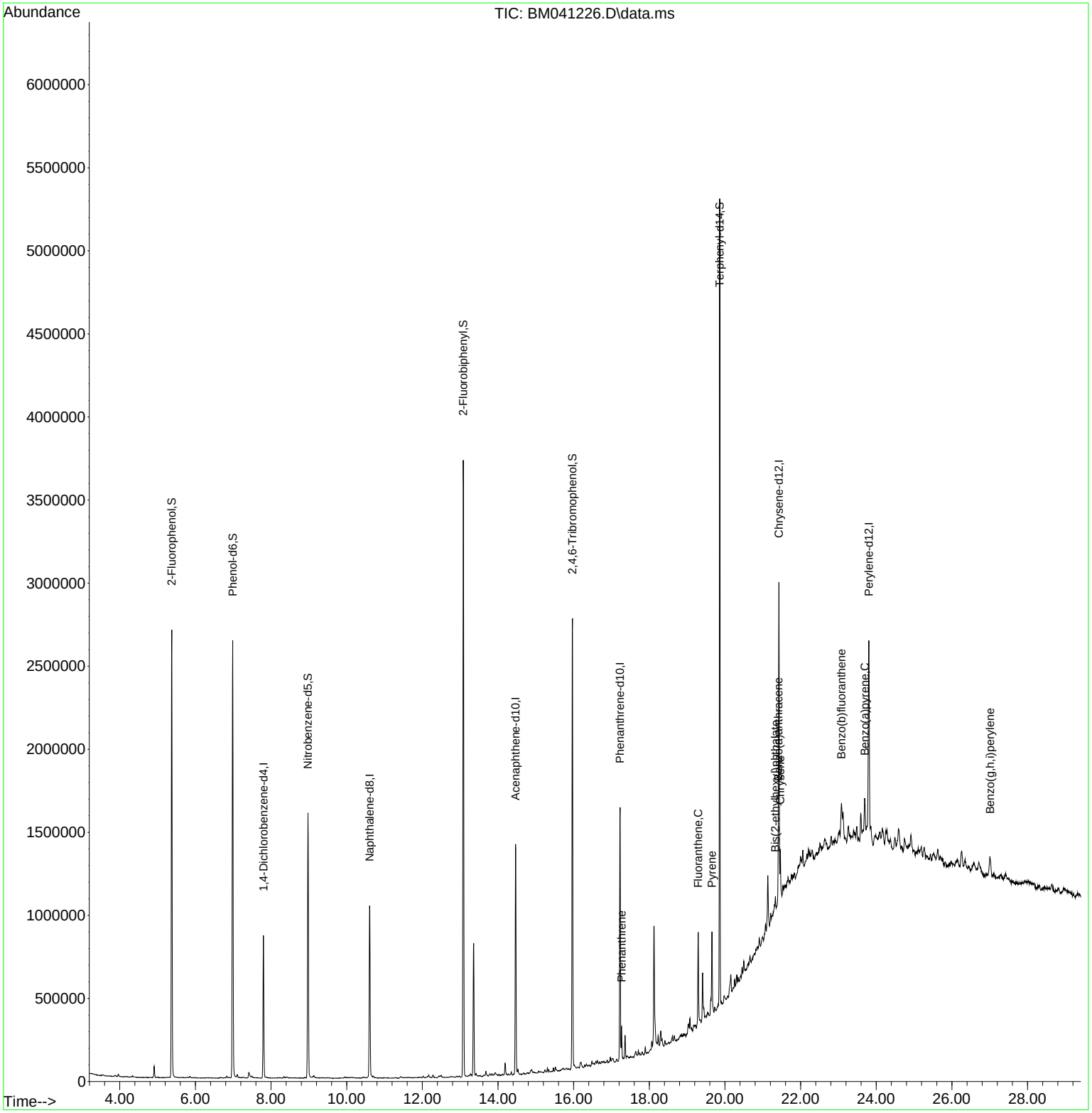
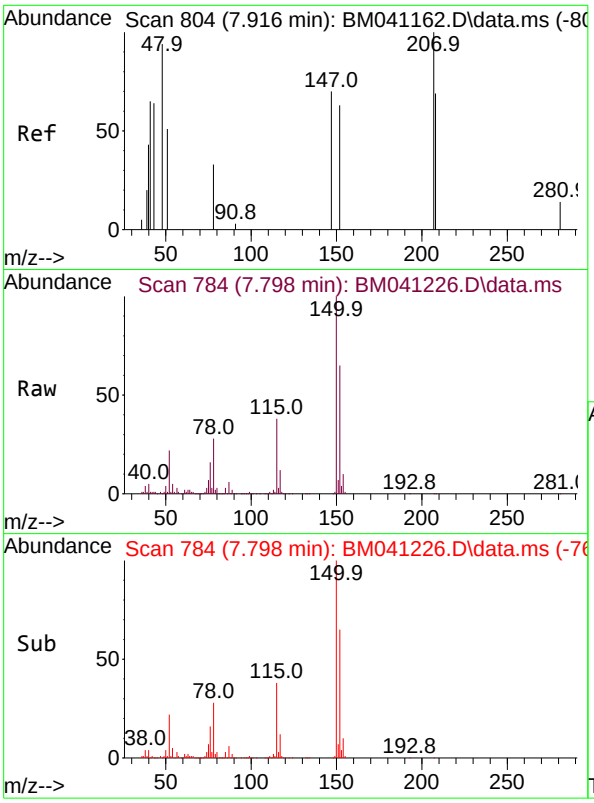


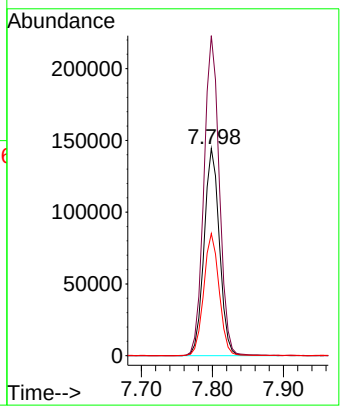


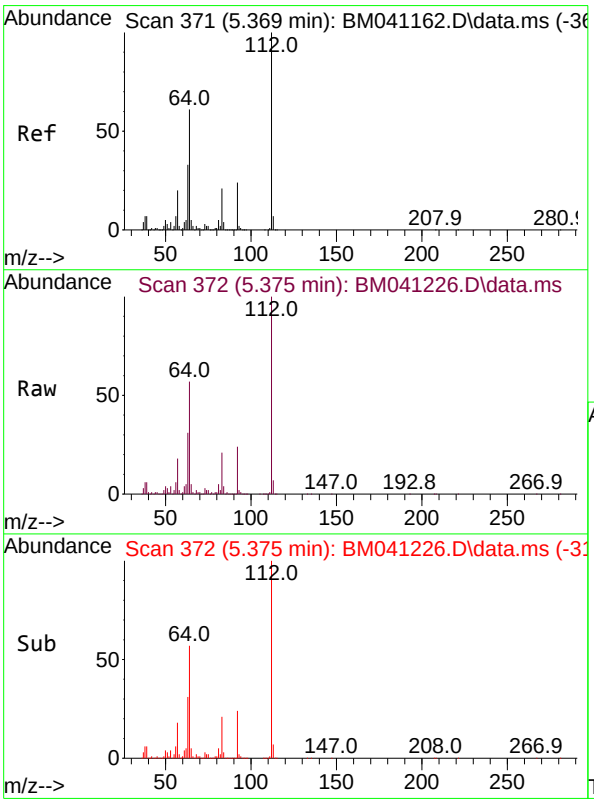
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 78
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:152 Resp: 217333

Ion	Ratio	Lower	Upper
152	100		
150	154.4	125.5	188.3
115	58.9	48.0	72.0

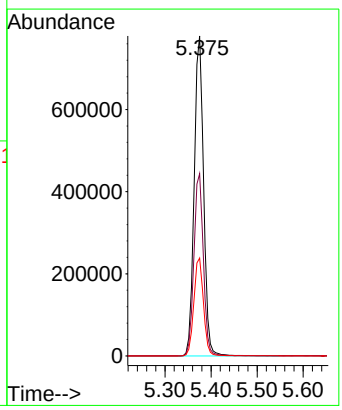


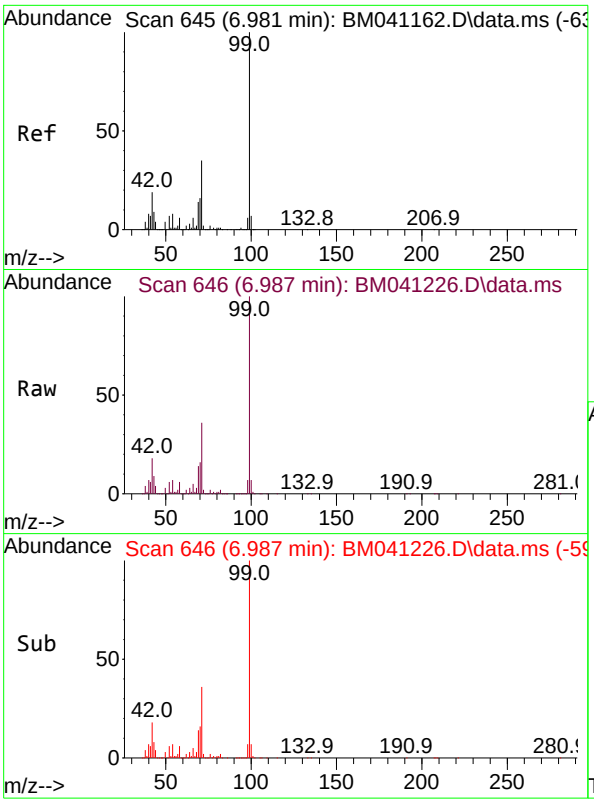


#5
2-Fluorophenol
Concen: 75.833 ng
RT: 5.375 min Scan# 372
Delta R.T. 0.012 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:112 Resp: 1102709

Ion	Ratio	Lower	Upper
112	100		
64	56.9	48.5	72.7
63	30.6	26.5	39.7



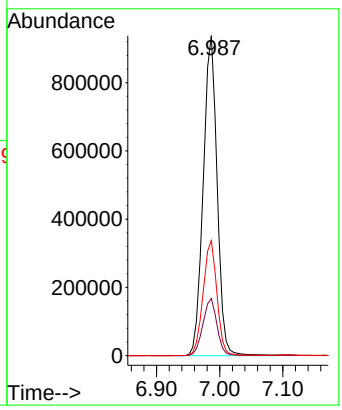


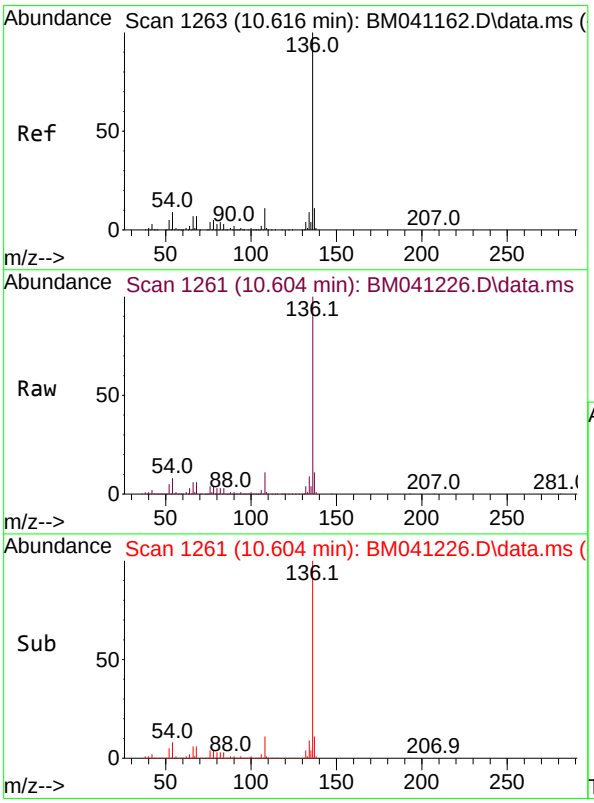
#7
Phenol-d6
Concen: 75.980 ng
RT: 6.987 min Scan# 64
Delta R.T. 0.012 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 99 Resp: 1432155

Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.4	23.0
71	35.9	28.2	42.4

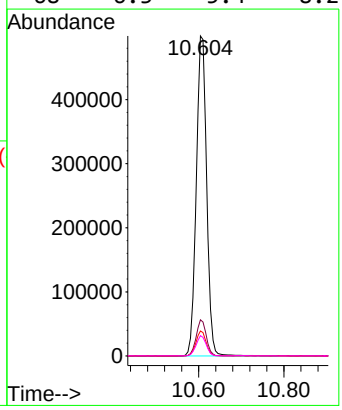


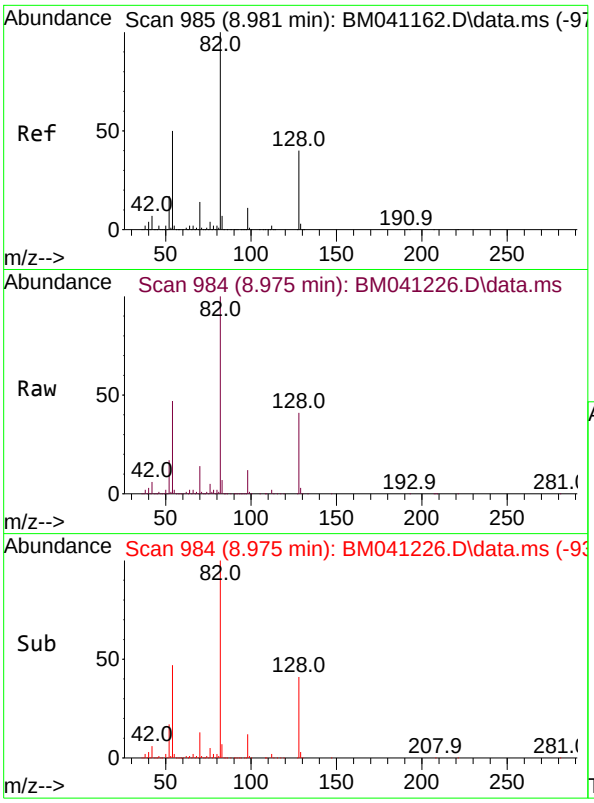


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:136 Resp: 844006

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.8	6.9	10.3
68	6.3	5.4	8.2



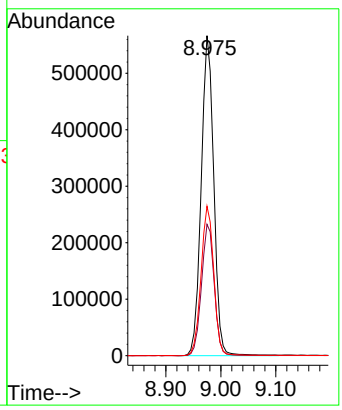


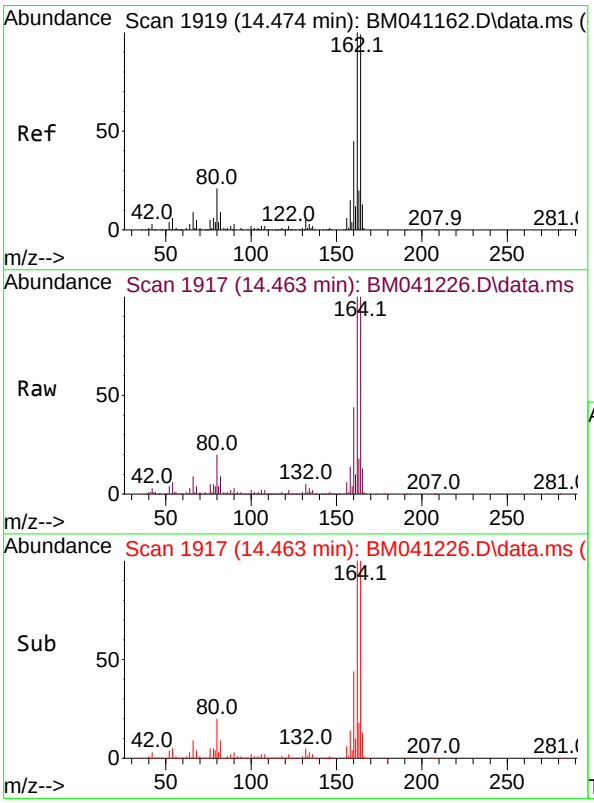
#23
Nitrobenzene-d5
Concen: 49.672 ng
RT: 8.975 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 82 Resp: 901489

Ion	Ratio	Lower	Upper
82	100		
128	41.1	31.8	47.6
54	46.7	40.1	60.1

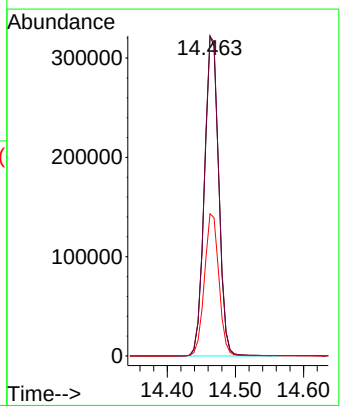


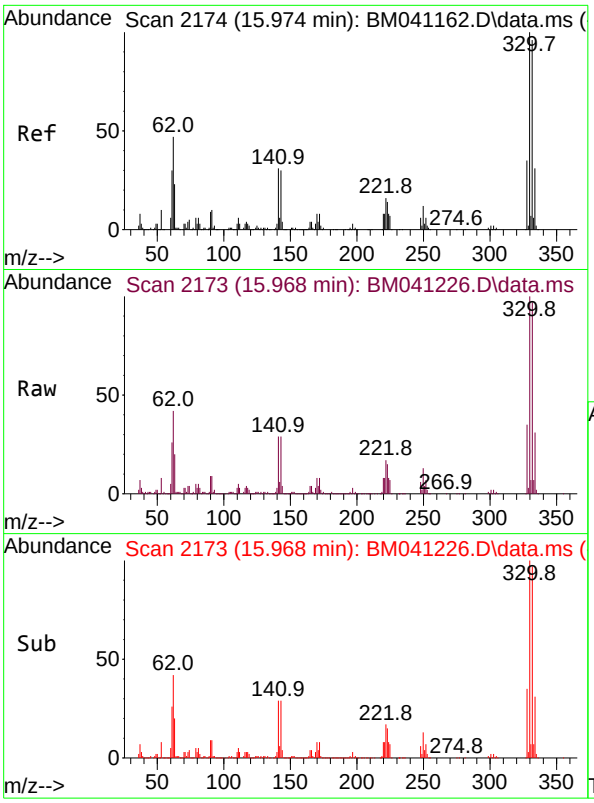


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:164 Resp: 468221

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.4	120.6
160	44.5	36.2	54.2



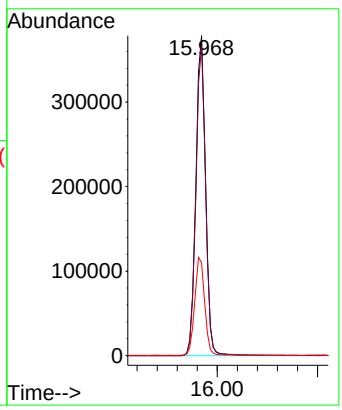


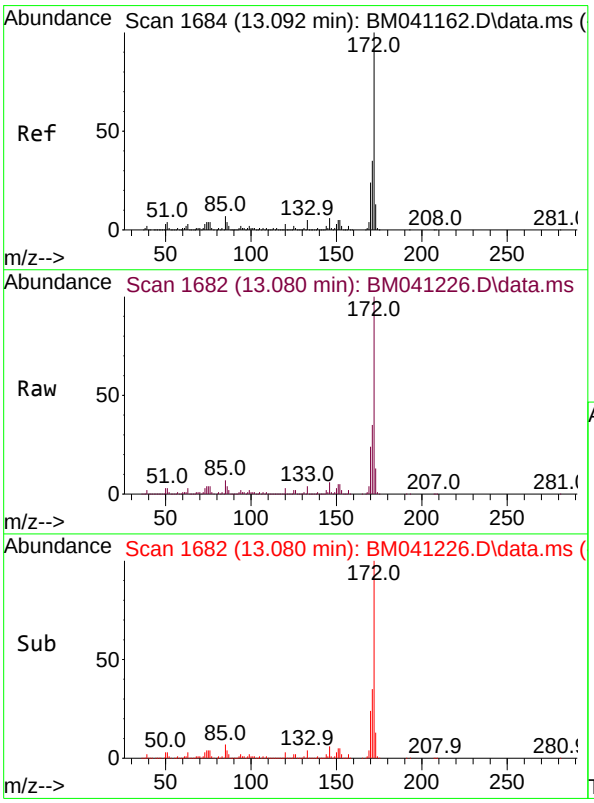
#42
2,4,6-Tribromophenol
Concen: 76.861 ng
RT: 15.968 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:330 Resp: 509033

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	31.6	28.3	42.5

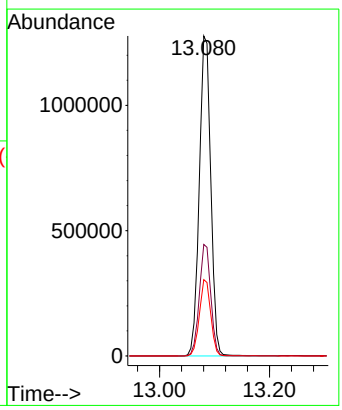


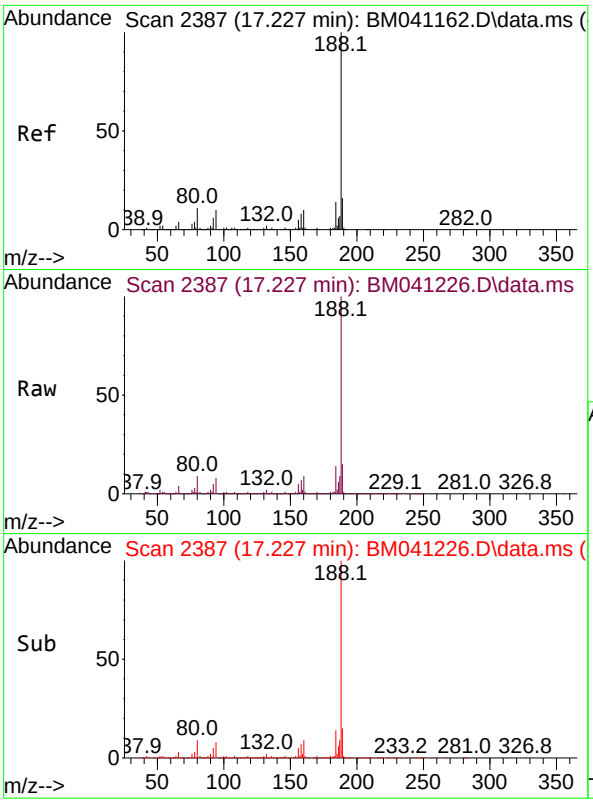


#45
2-Fluorobiphenyl
Concen: 50.029 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:172 Resp: 1854302

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.8	18.9	28.3



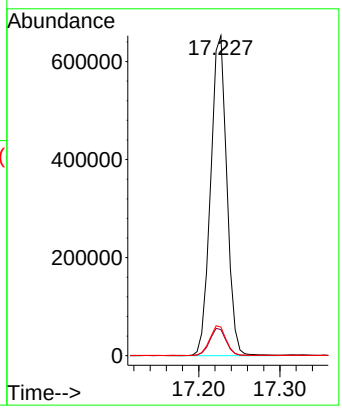


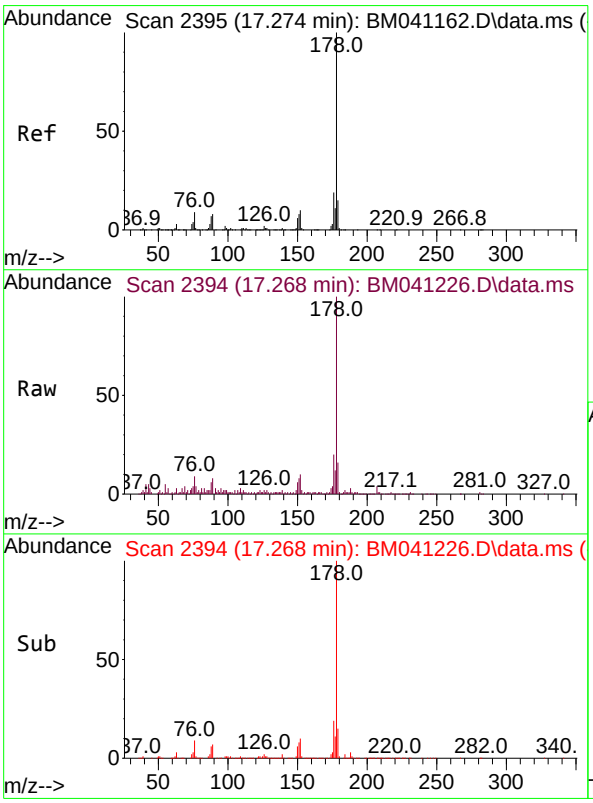
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:188 Resp: 904925

Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	9.0	8.6	13.0

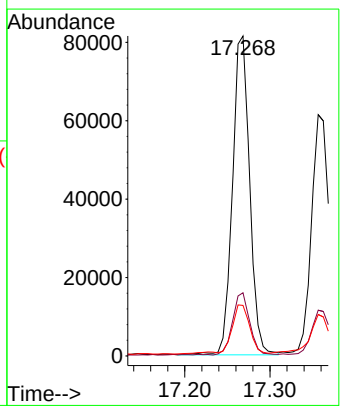


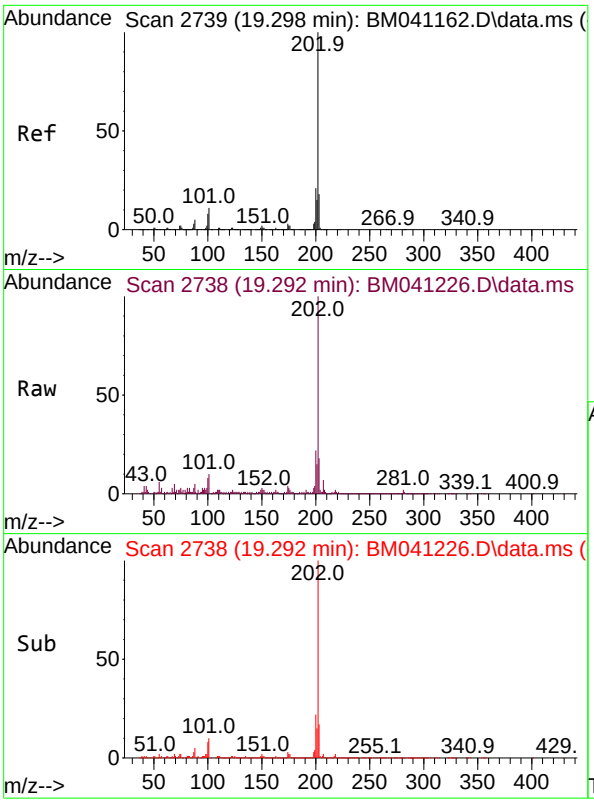


#71
Phenanthrene
Concen: 2.264 ng
RT: 17.268 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:178 Resp: 113843

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.8	12.1	18.1



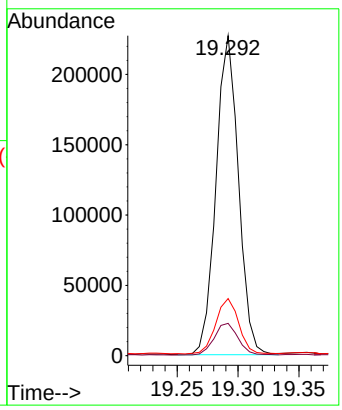


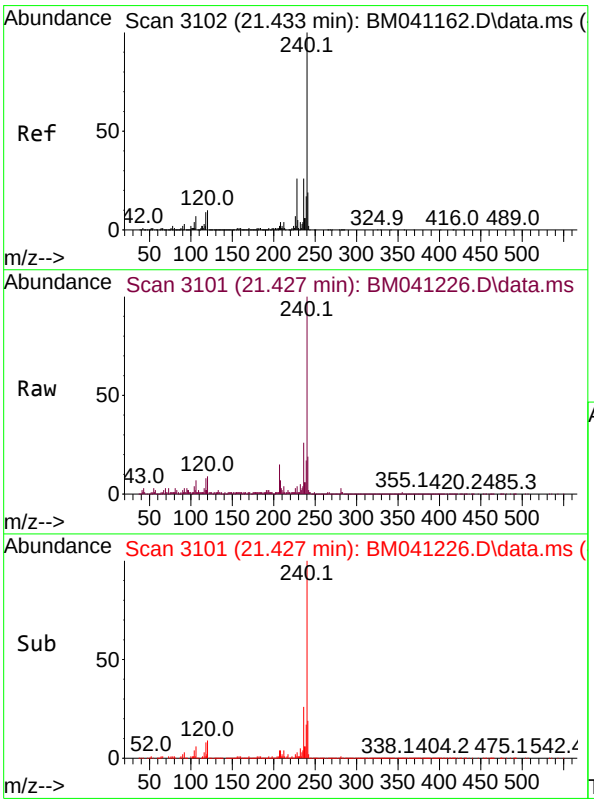
#75
Fluoranthene
Concen: 5.156 ng
RT: 19.292 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:202 Resp: 291238

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.8
203	17.8	0.0	37.6

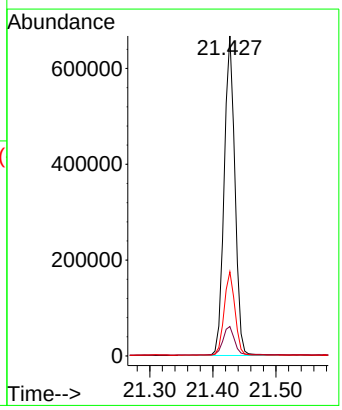


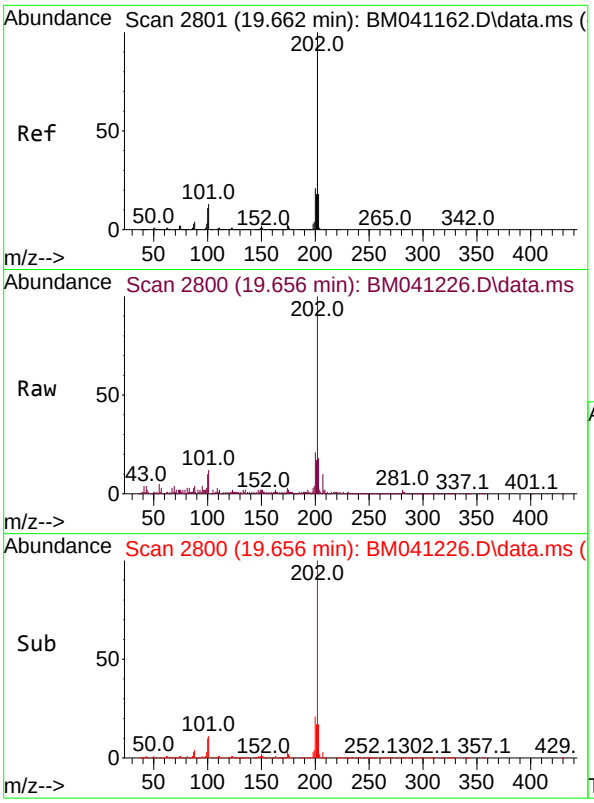


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:240 Resp: 792648

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.3	12.5
236	26.3	20.6	30.8



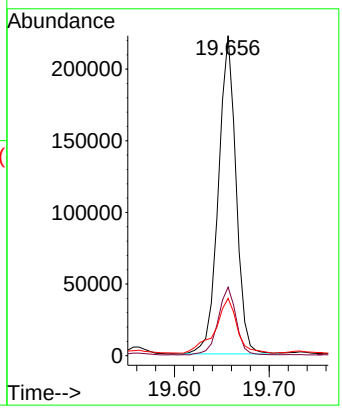


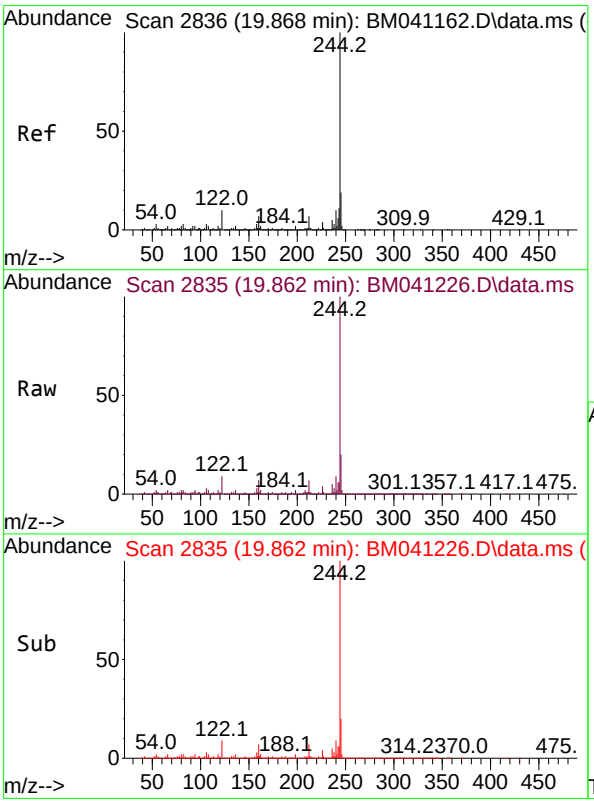
#78
Pyrene
Concen: 5.203 ng
RT: 19.656 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:202 Resp: 288400

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.9	14.1	21.1

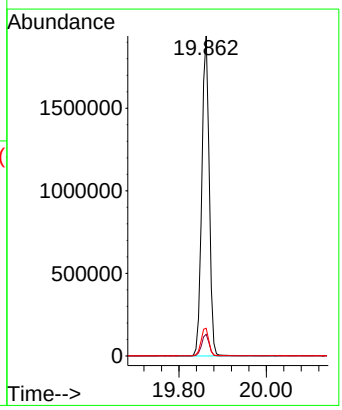


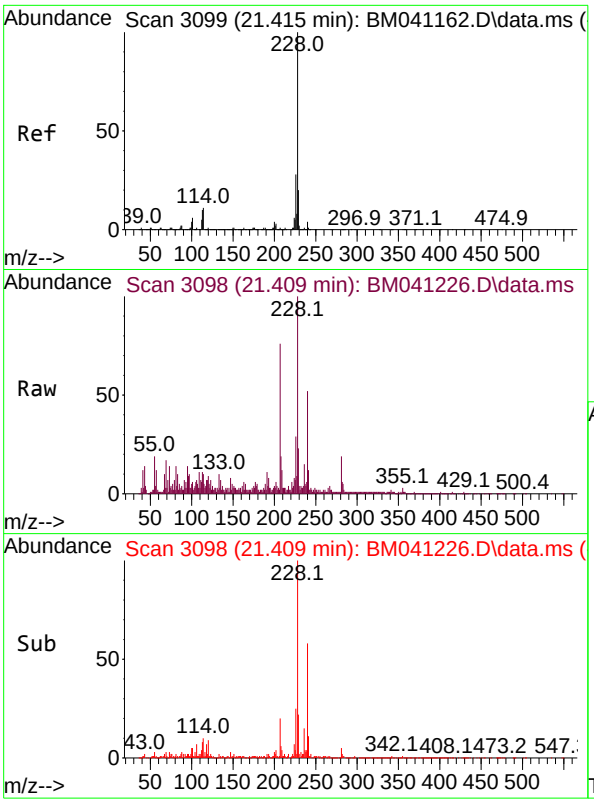


#79
Terphenyl-d14
Concen: 52.242 ng
RT: 19.862 min Scan# 2835
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:244 Resp: 2290272

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	8.6	7.8	11.6



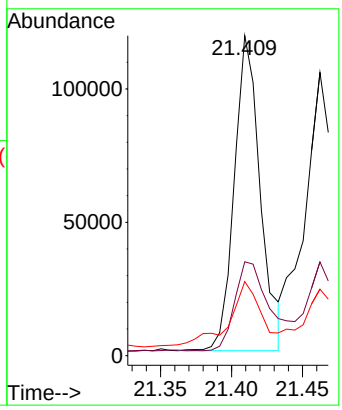


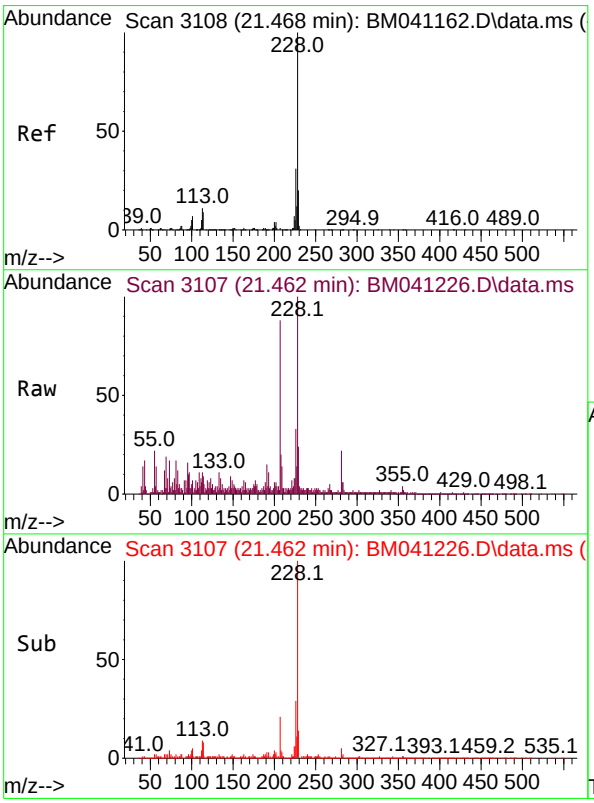
#81
Benzo(a)anthracene
Concen: 2.800 ng
RT: 21.409 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:228 Resp: 150458

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.4	33.6
229	23.2	15.8	23.8

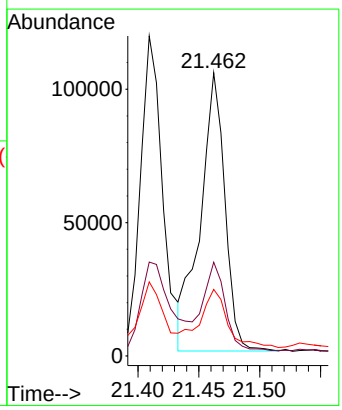


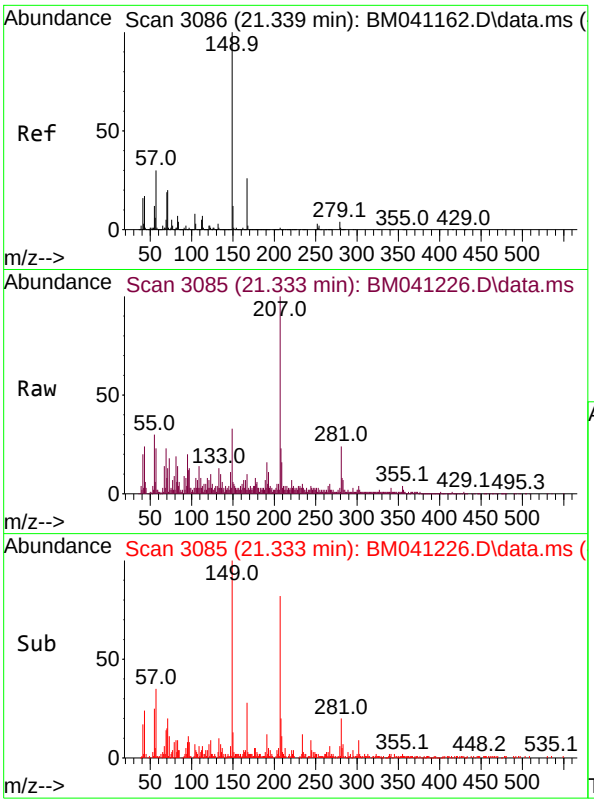


#83
Chrysene
Concen: 2.831 ng
RT: 21.462 min Scan# 3107
Delta R.T. 0.000 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:228 Resp: 147134

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.5	36.7
229	23.5	15.8	23.8



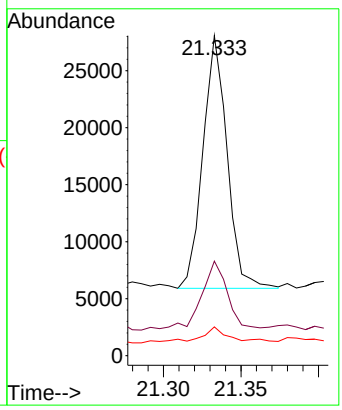


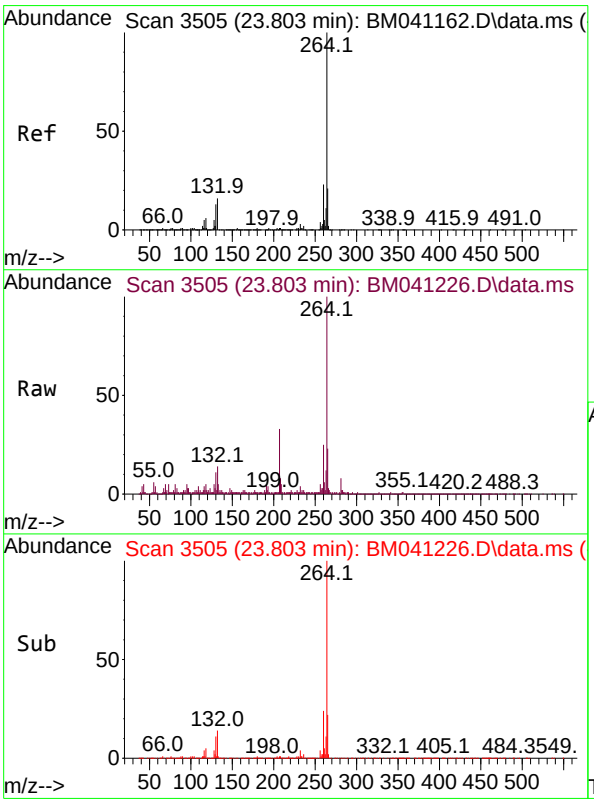
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.246 ng
RT: 21.333 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:149 Resp: 23999

Ion	Ratio	Lower	Upper
149	100		
167	29.5	21.0	31.6
279	9.0	3.1	4.7#

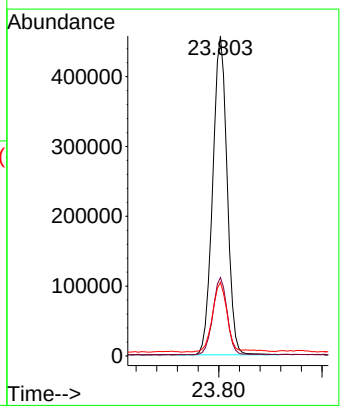


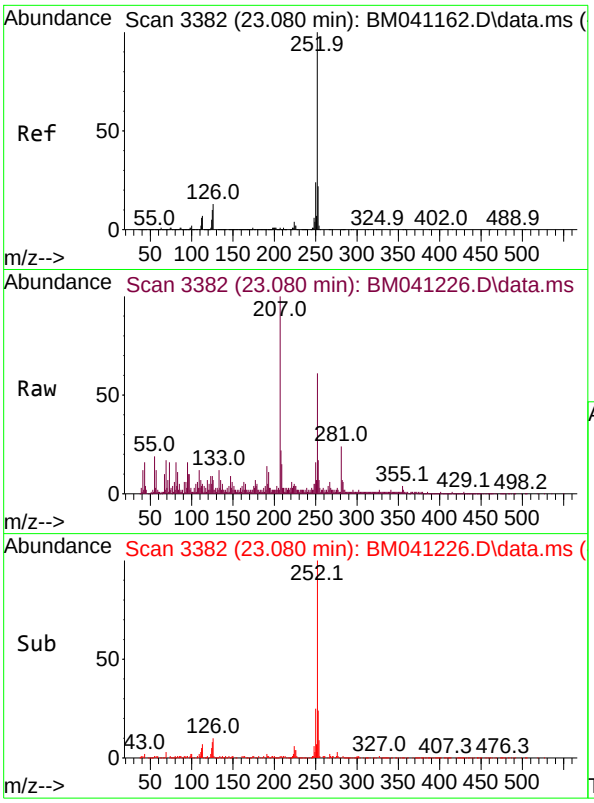


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3505
Delta R.T. 0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:264 Resp: 882800

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.5	27.7
265	23.0	17.4	26.0



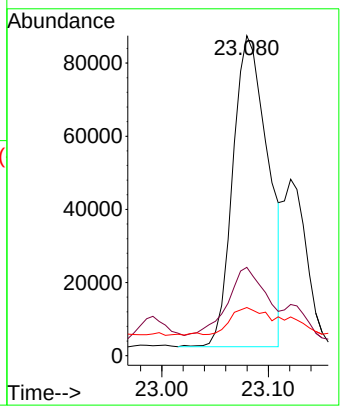


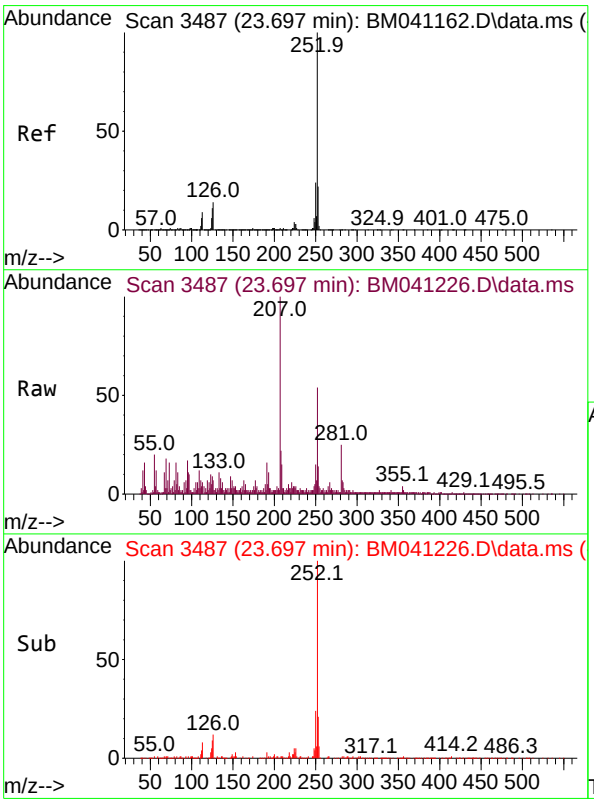
#88
Benzo(b)fluoranthene
Concen: 3.714 ng
RT: 23.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:252 Resp: 194781

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.7	26.5#
125	15.0	8.2	12.4#

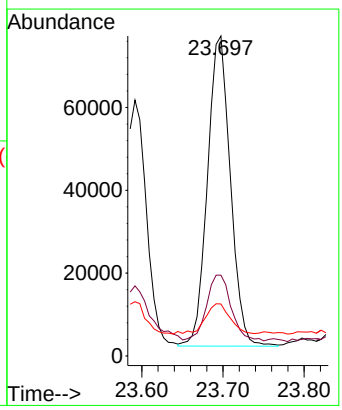


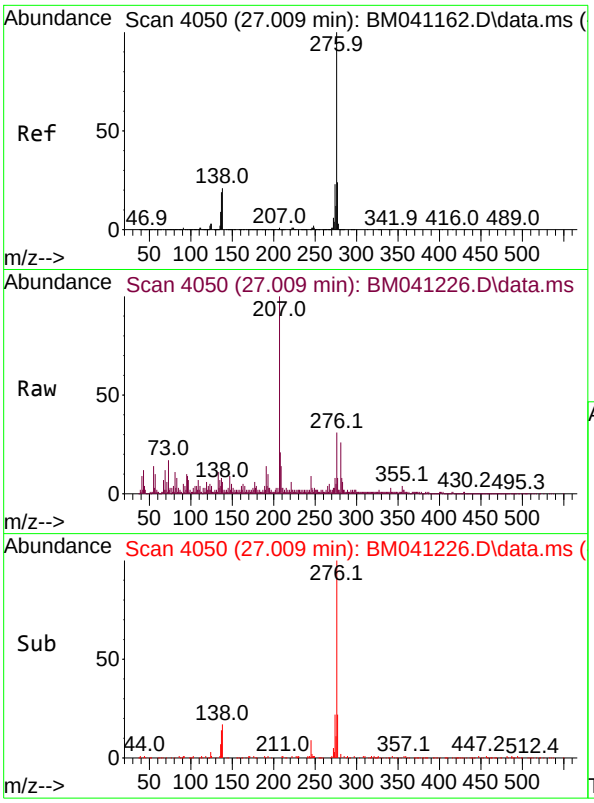


#90
Benzo(a)pyrene
Concen: 2.918 ng
RT: 23.697 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Tgt Ion:252 Resp: 147039

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	16.3	9.0	13.4#





#92
Benzo(g,h,i)perylene
Concen: 2.488 ng
RT: 27.009 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM041226.D
Acq: 01 Aug 2023 15:55

Instrument :
BNA_M
ClientSampleId :
HANOVER-ST-2

Tgt Ion:276 Resp: 131800

Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.1	28.7
138	20.7	17.1	25.7