

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
 Data File : BM047332.D
 Acq On : 23 Aug 2024 14:09
 Operator : RC/JU
 Sample : P3518-17RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-09-080724

Quant Time: Aug 23 14:48:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 23:47:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

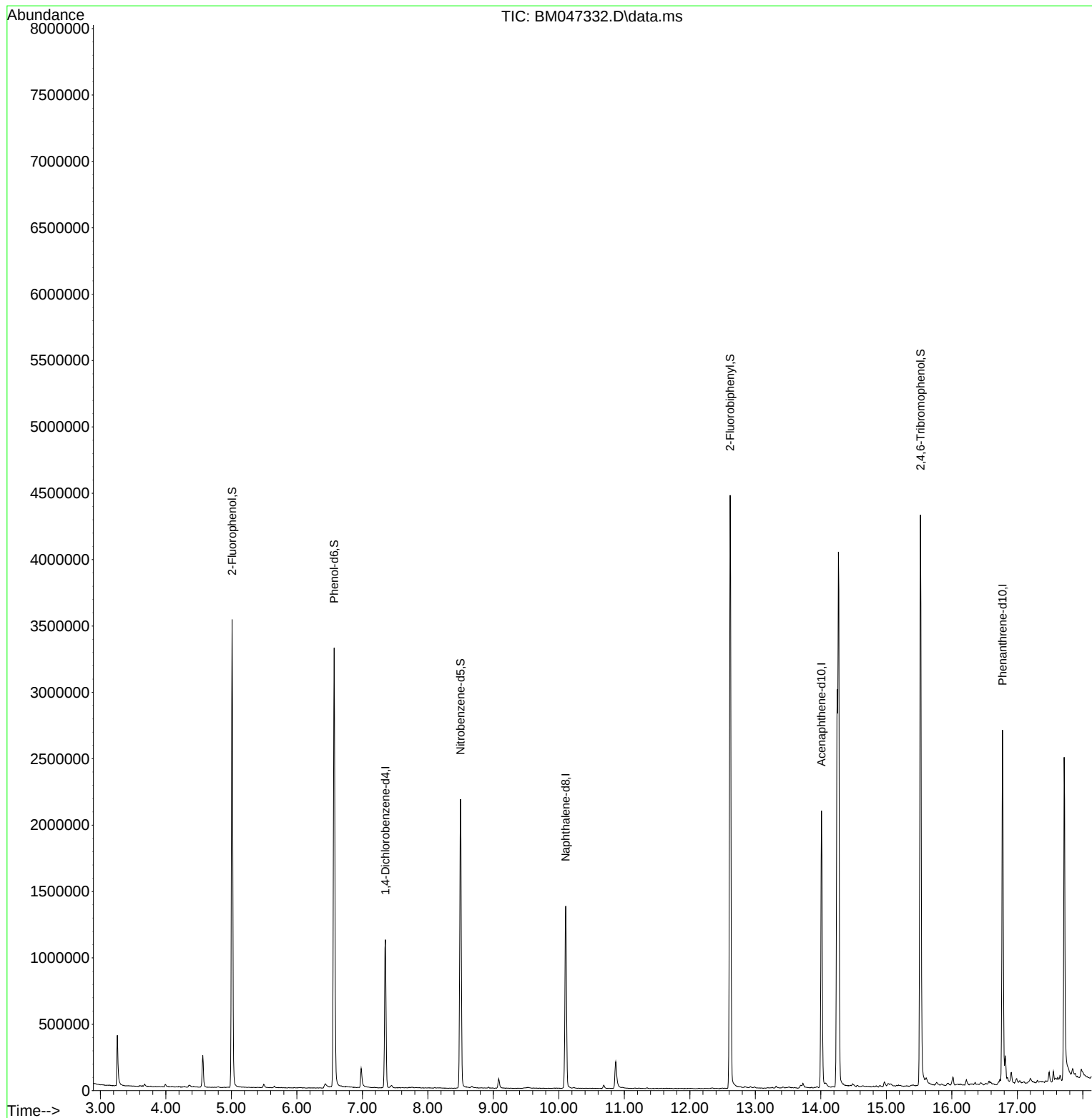
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	312262	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1150287	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	753100	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1599304	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1324942	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1245652	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1506976	86.233	ng	-0.01
7) Phenol-d6	6.569	99	1953212	81.114	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1272853	55.719	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	843574	96.604	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	2478978	50.775	ng	-0.03
79) Terphenyl-d14	19.445	244	3237322	52.356	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.487	77	205	Below Cal	Qvalue #	22
75) Fluoranthene	18.851	202	300336	3.076 ng		99
78) Pyrene	19.221	202	272384	2.879 ng		99
88) Benzo(b)fluoranthene	22.868	252	183754	2.484 ng	#	93
89) Benzo(k)fluoranthene	22.868	252	183754	2.630 ng	#	93

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

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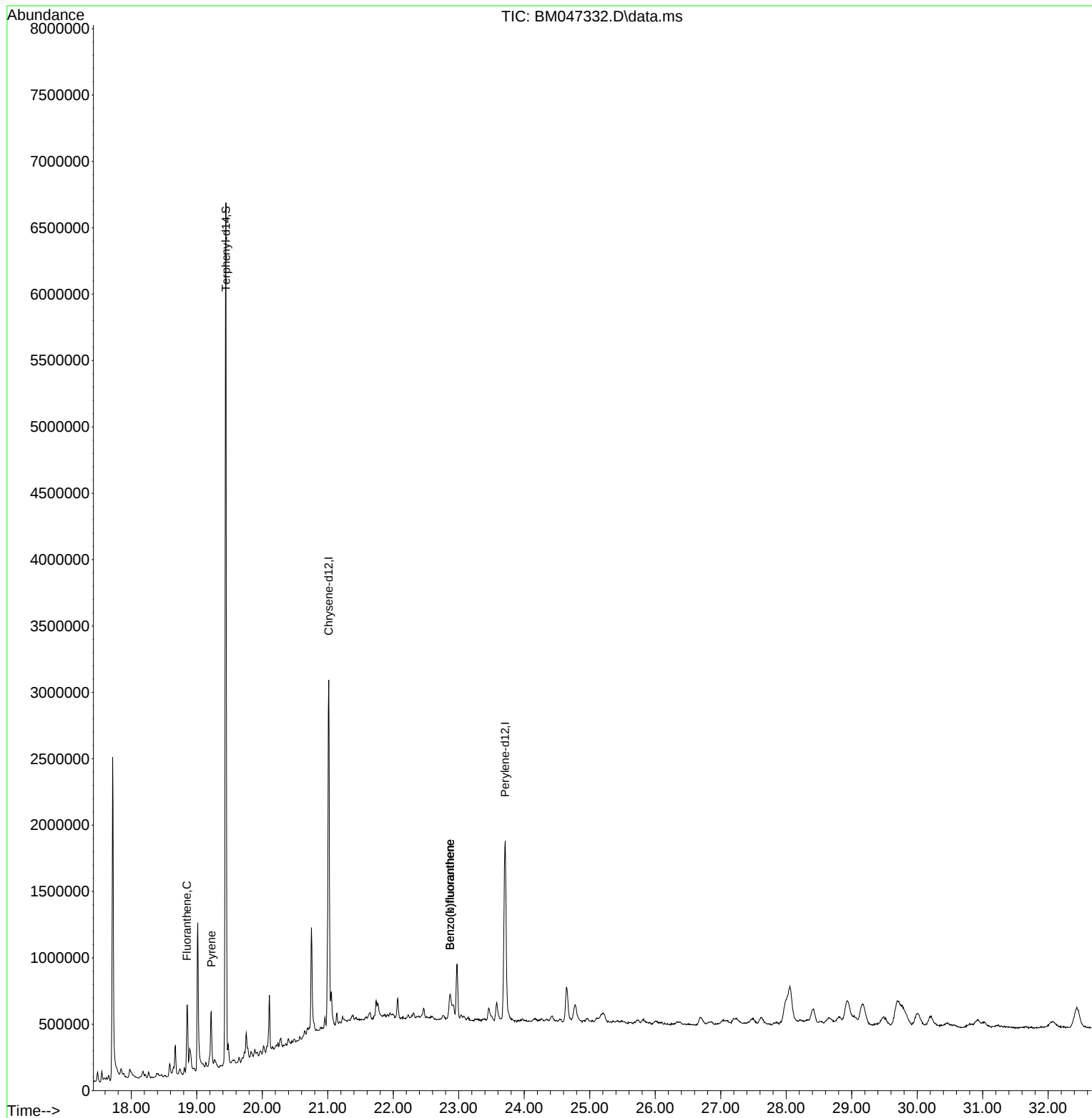
Quant Time: Aug 23 14:48:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

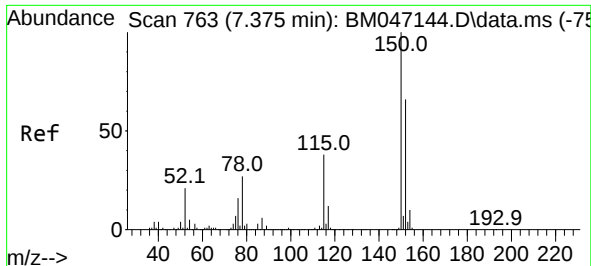


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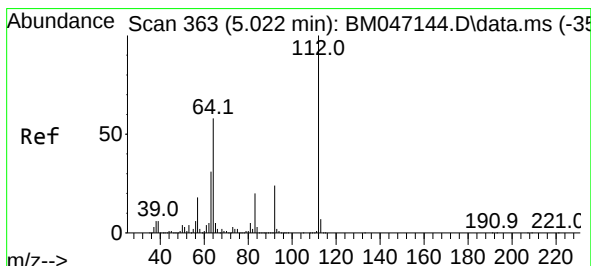
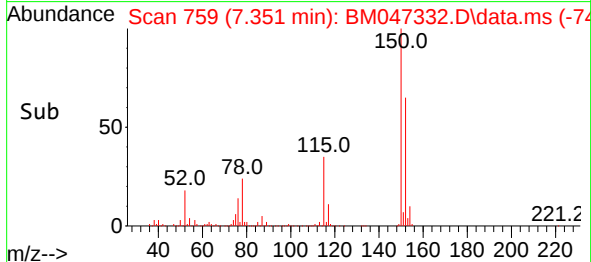
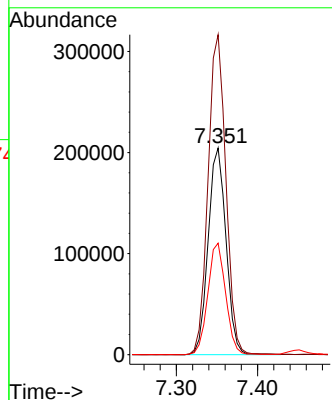
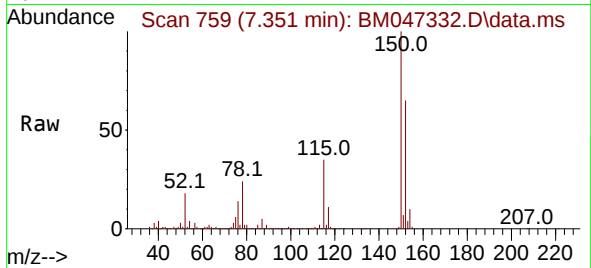




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047332.D
Acq: 23 Aug 2024 14:09

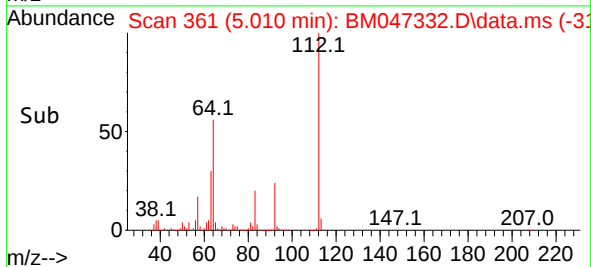
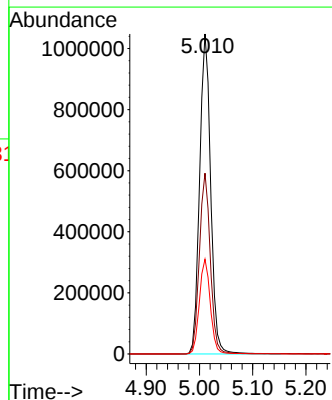
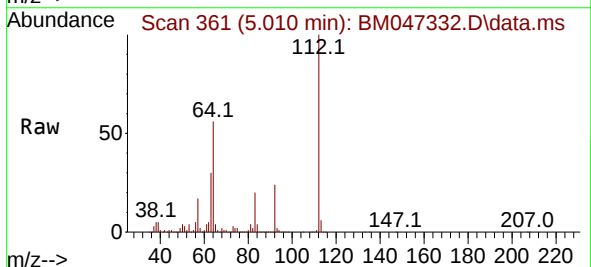
Instrument :
BNA_M
ClientSampleId :
OU4-TS-09-080724

Tgt Ion:152 Resp: 312262
Ion Ratio Lower Upper
152 100
150 154.7 120.5 180.7
115 54.0 45.5 68.3



#5
2-Fluorophenol
Concen: 86.233 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047332.D
Acq: 23 Aug 2024 14:09

Tgt Ion:112 Resp: 1506976
Ion Ratio Lower Upper
112 100
64 56.5 46.7 70.1
63 29.6 24.8 37.2

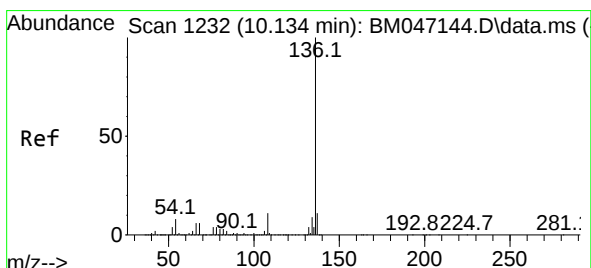
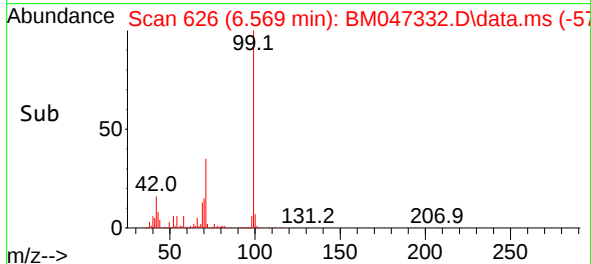
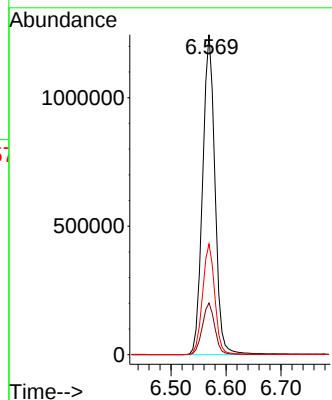
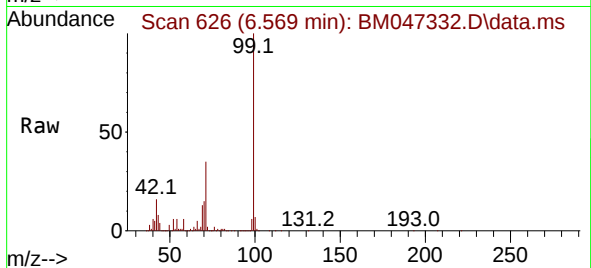




#7
Phenol-d6
Concen: 81.114 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047332.D
Acq: 23 Aug 2024 14:09

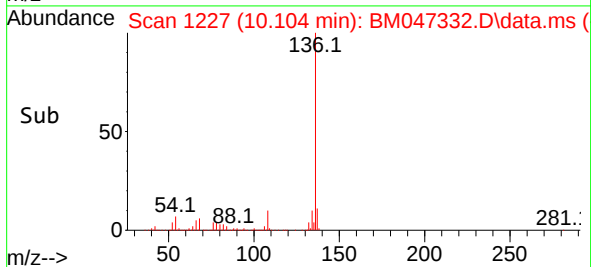
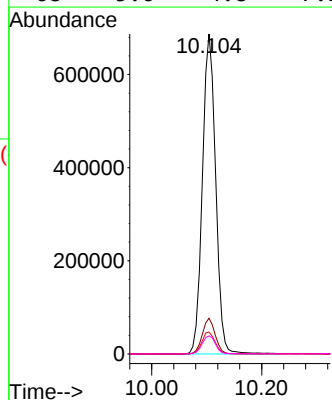
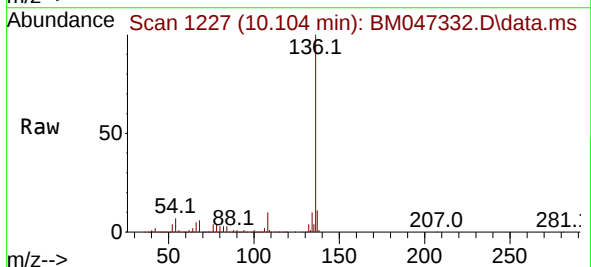
Instrument :
BNA_M
ClientSampleId :
OU4-TS-09-080724

Tgt Ion: 99 Resp: 1953212
Ion Ratio Lower Upper
99 100
42 16.1 14.1 21.1
71 34.6 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047332.D
Acq: 23 Aug 2024 14:09

Tgt Ion: 136 Resp: 1150287
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.8 6.0 9.0
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 55.719 ng

RT: 8.498 min Scan# 91

Delta R.T. -0.024 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Instrument :

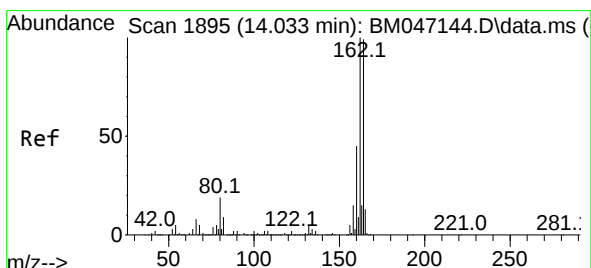
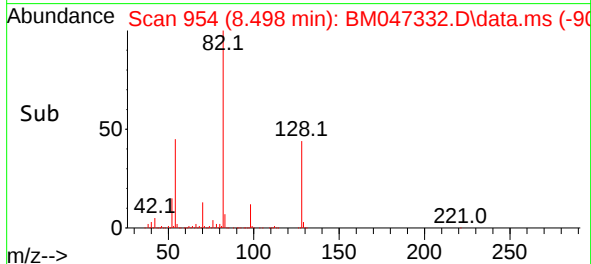
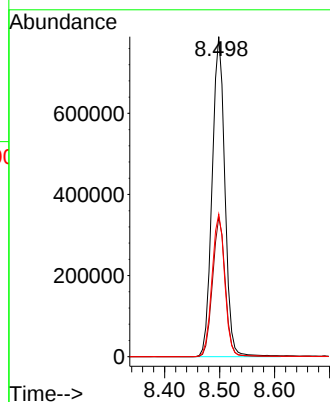
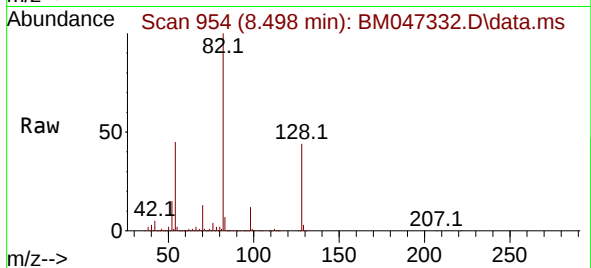
BNA_M

ClientSampleId :

OU4-TS-09-080724

Tgt Ion: 82 Resp: 1272853

Ion	Ratio	Lower	Upper
82	100		
128	43.6	32.3	48.5
54	44.6	37.4	56.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.010 min Scan# 1891

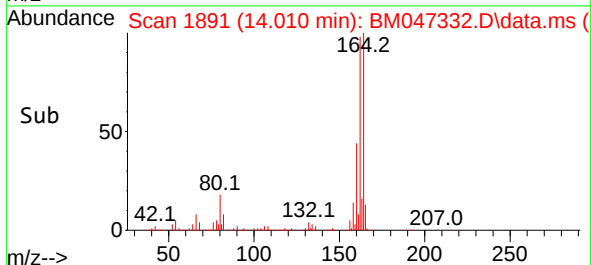
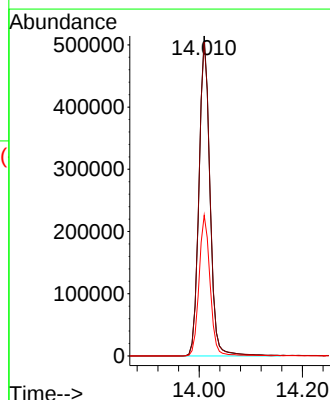
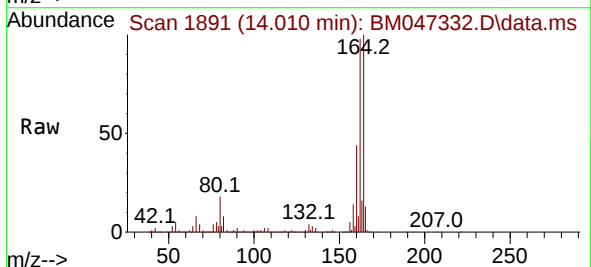
Delta R.T. -0.024 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Tgt Ion: 164 Resp: 753100

Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.7	121.1
160	44.0	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 96.604 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Instrument :

BNA_M

ClientSampleId :

OU4-TS-09-080724

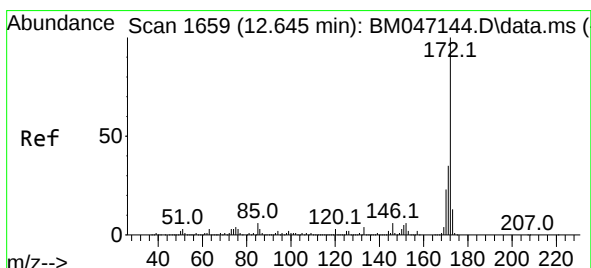
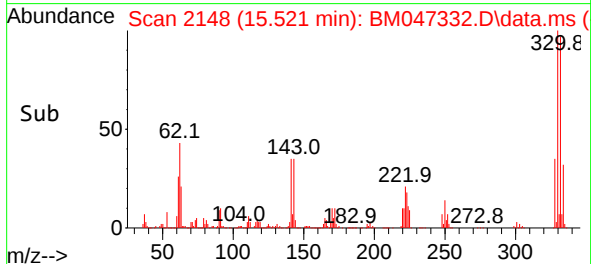
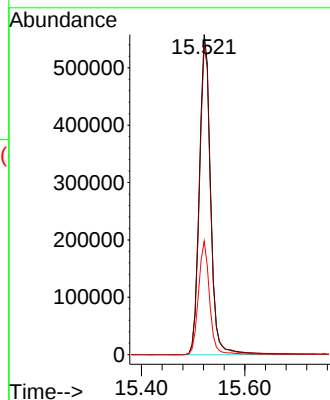
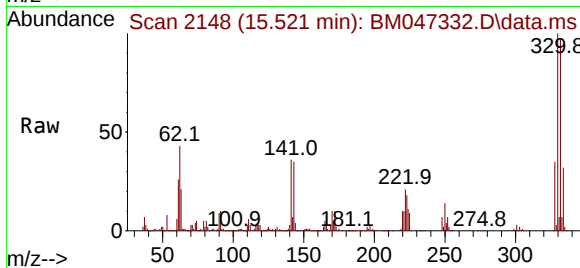
Tgt Ion:330 Resp: 843574

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 35.2 31.6 47.4



#45

2-Fluorobiphenyl

Concen: 50.775 ng

RT: 12.616 min Scan# 1654

Delta R.T. -0.029 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

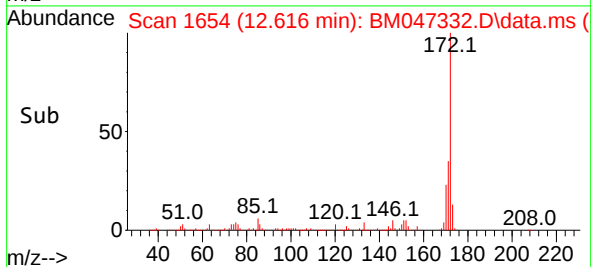
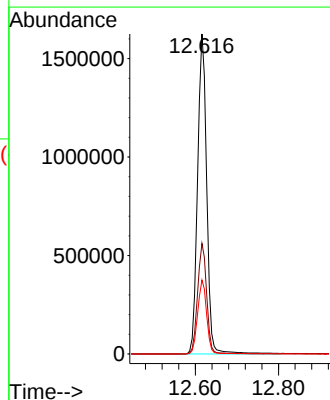
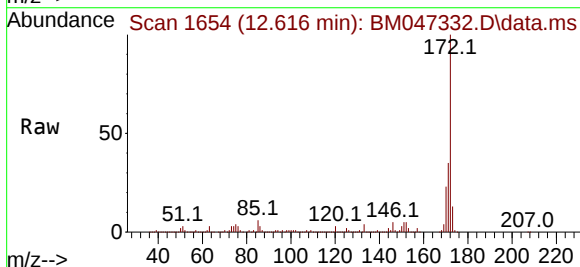
Tgt Ion:172 Resp: 2478978

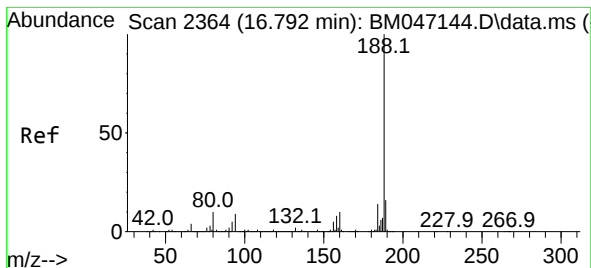
Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.6

170 23.1 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Instrument :

BNA_M

ClientSampleId :

OU4-TS-09-080724

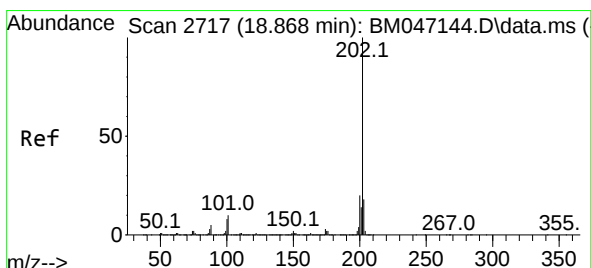
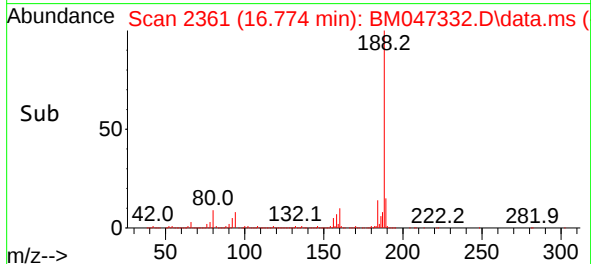
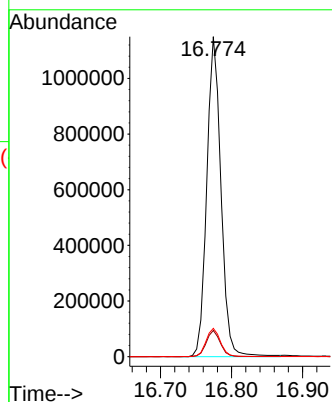
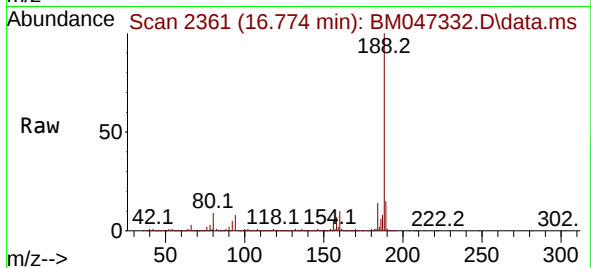
Tgt Ion:188 Resp: 1599304

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

80 8.8 8.0 12.0



#75

Fluoranthene

Concen: 3.076 ng

RT: 18.851 min Scan# 2714

Delta R.T. -0.018 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

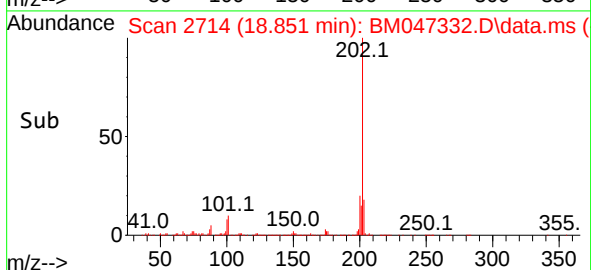
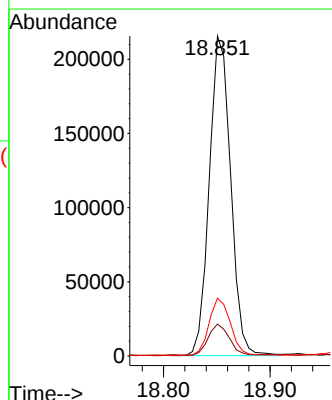
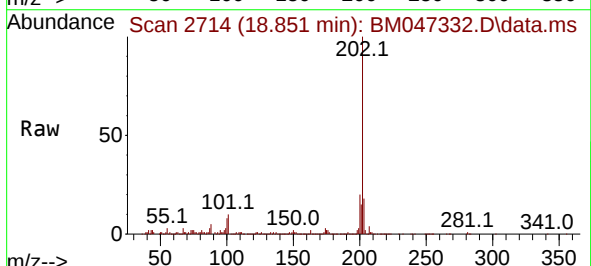
Tgt Ion:202 Resp: 300336

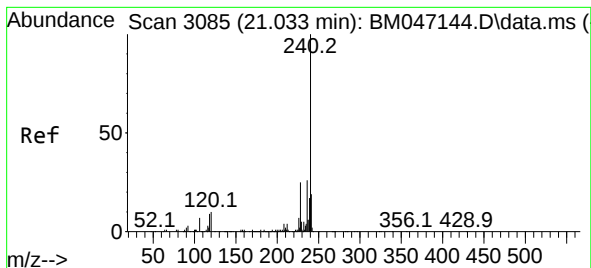
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Instrument :

BNA_M

ClientSampleId :

OU4-TS-09-080724

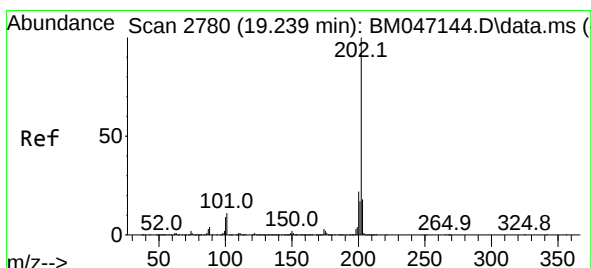
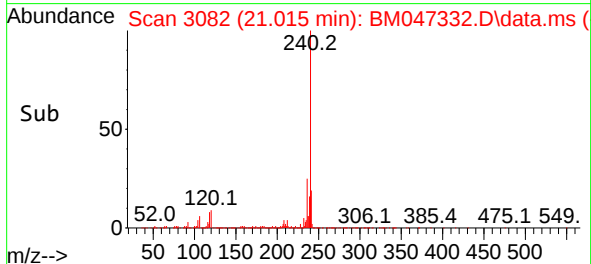
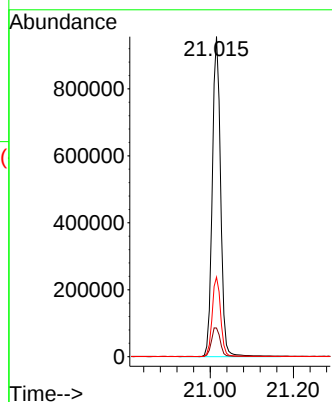
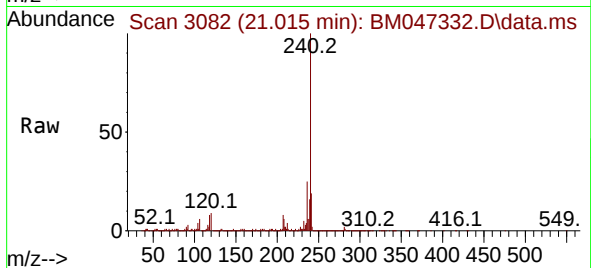
Tgt Ion:240 Resp: 1324942

Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

236 24.8 20.6 30.8



#78

Pyrene

Concen: 2.879 ng

RT: 19.221 min Scan# 2777

Delta R.T. -0.018 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

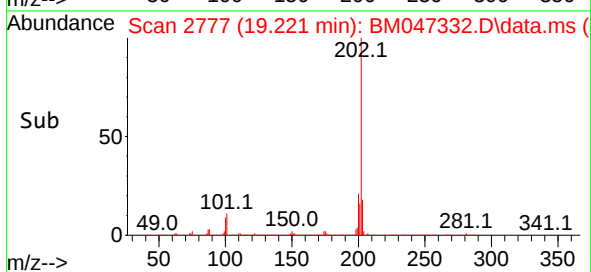
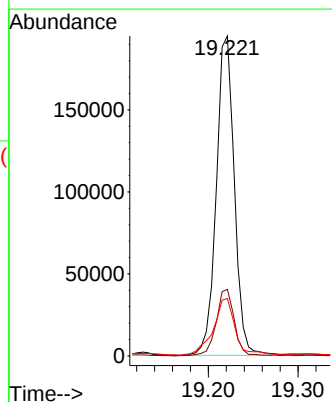
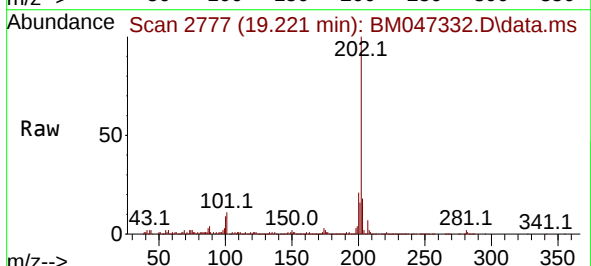
Tgt Ion:202 Resp: 272384

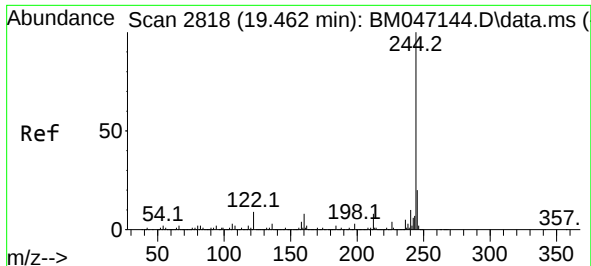
Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 18.0 14.2 21.2

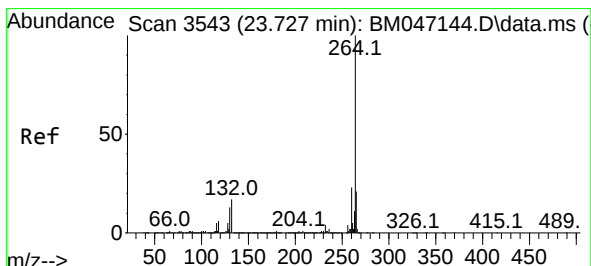
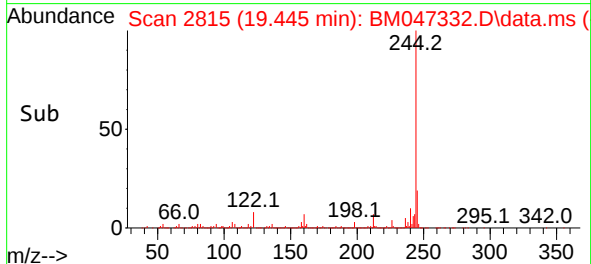
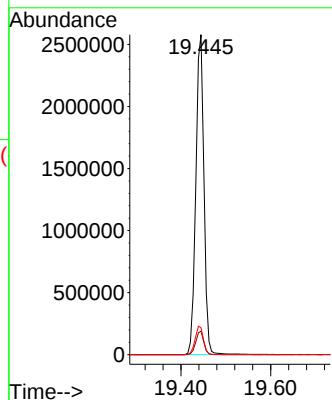
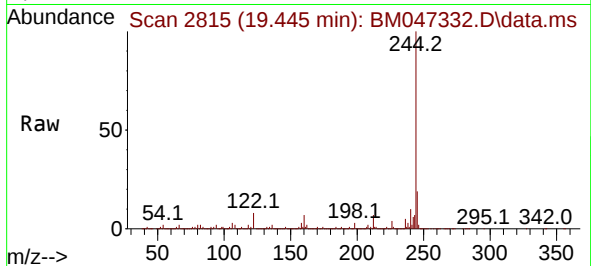




#79
 Terphenyl-d14
 Concen: 52.356 ng
 RT: 19.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM047332.D
 Acq: 23 Aug 2024 14:09

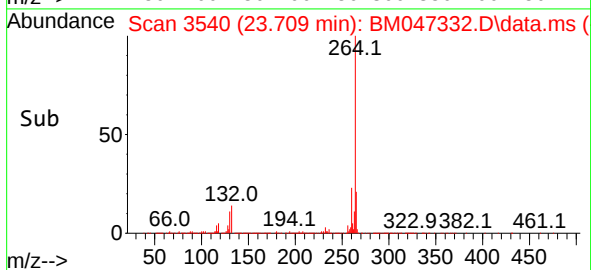
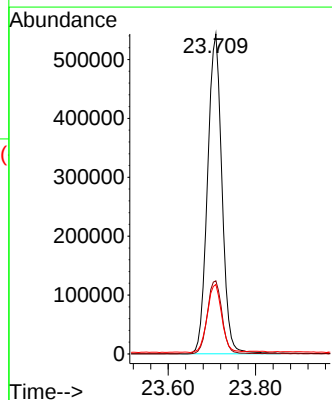
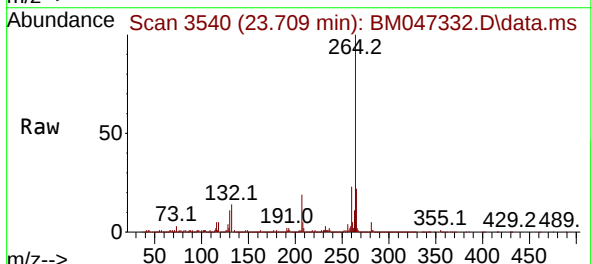
Instrument :
 BNA_M
 ClientSampleId :
 OU4-TS-09-080724

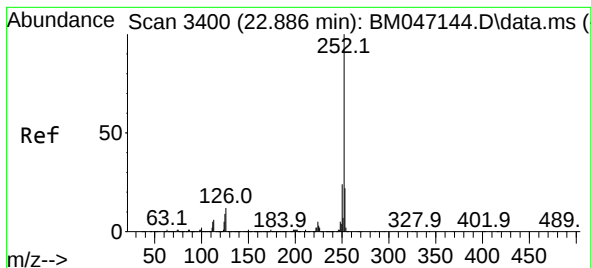
Tgt Ion:244 Resp: 3237322
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.4 7.1 10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.709 min Scan# 3540
 Delta R.T. -0.018 min
 Lab File: BM047332.D
 Acq: 23 Aug 2024 14:09

Tgt Ion:264 Resp: 1245652
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.7 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 2.484 ng

RT: 22.868 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Instrument :

BNA_M

ClientSampleId :

OU4-TS-09-080724

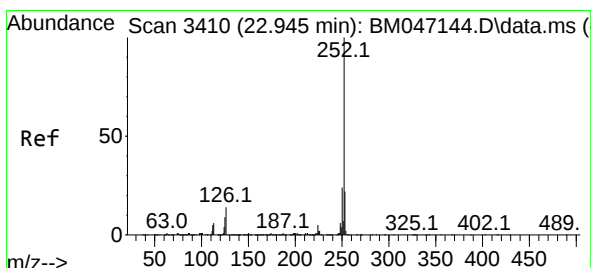
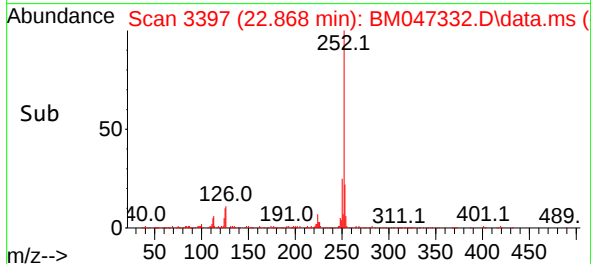
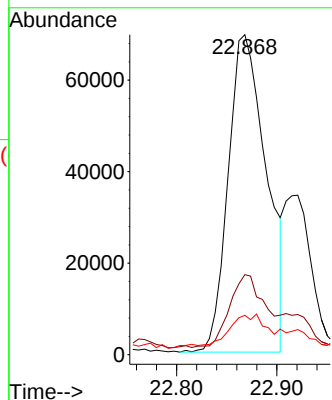
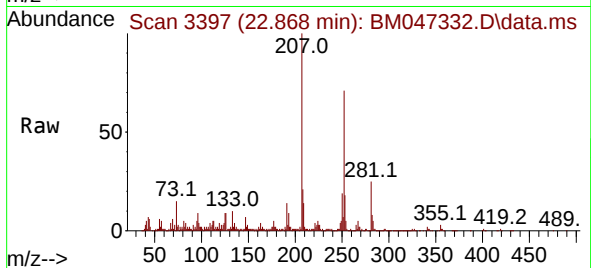
Tgt Ion:252 Resp: 183754

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.6

125 12.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 2.630 ng

RT: 22.868 min Scan# 3397

Delta R.T. -0.077 min

Lab File: BM047332.D

Acq: 23 Aug 2024 14:09

Tgt Ion:252 Resp: 183754

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 12.3 7.4 11.2#

