

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
 Data File : BM047301.D
 Acq On : 21 Aug 2024 17:06
 Operator : RC/JU
 Sample : P3617-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VCPS-B5-081424-10-14

Quant Time: Aug 21 17:58:31 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)

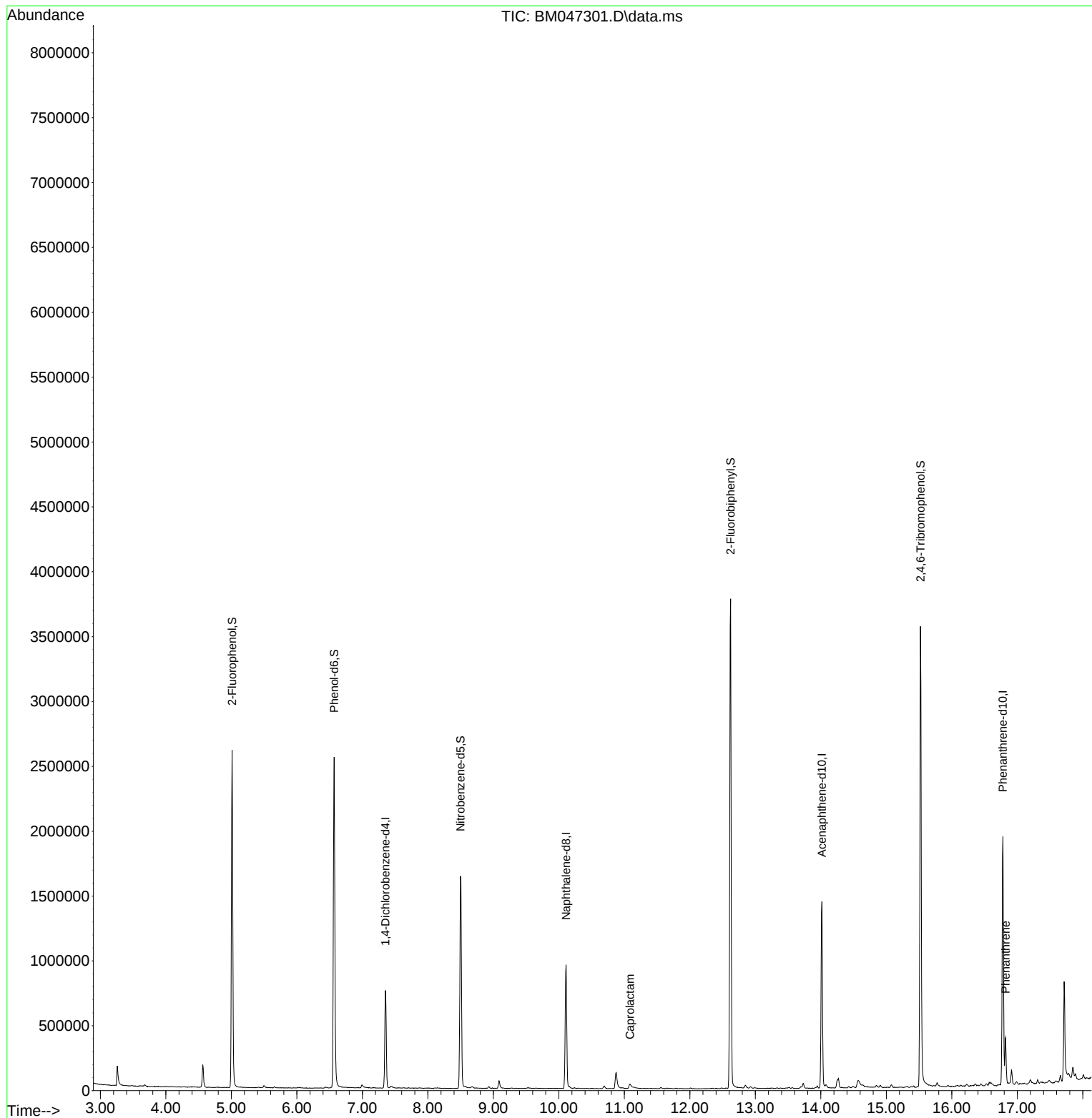
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	210189	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	783871	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	527098	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1155161	20.000	ng	-0.01
76) Chrysene-d12	21.015	240	1178349	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1195751	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1123115	95.477	ng	-0.01
7) Phenol-d6	6.569	99	1482764	91.480	ng	-0.02
23) Nitrobenzene-d5	8.498	82	988214	63.480	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	674624	110.381	ng	-0.02
45) 2-Fluorobiphenyl	12.622	172	2062888	60.369	ng	-0.02
79) Terphenyl-d14	19.445	244	3182151	57.866	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	993	Below Cal	#	65
35) Caprolactam	11.086	113	10520	2.511	ng	92
71) Phenanthrene	16.821	178	210958	3.639	ng	99
75) Fluoranthene	18.856	202	491862	6.975	ng	100
78) Pyrene	19.221	202	423371	5.032	ng	99
81) Benzo(a)anthracene	21.003	228	271208	3.467	ng	97
83) Chrysene	21.056	228	252479	3.402	ng	98
88) Benzo(b)fluoranthene	22.874	252	333328	4.694	ng	97
89) Benzo(k)fluoranthene	22.874	252	333328	4.970	ng	97
90) Benzo(a)pyrene	23.586	252	221868	3.607	ng	97
92) Benzo(g,h,i)perylene	27.627	276	133758	2.060	ng	96

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

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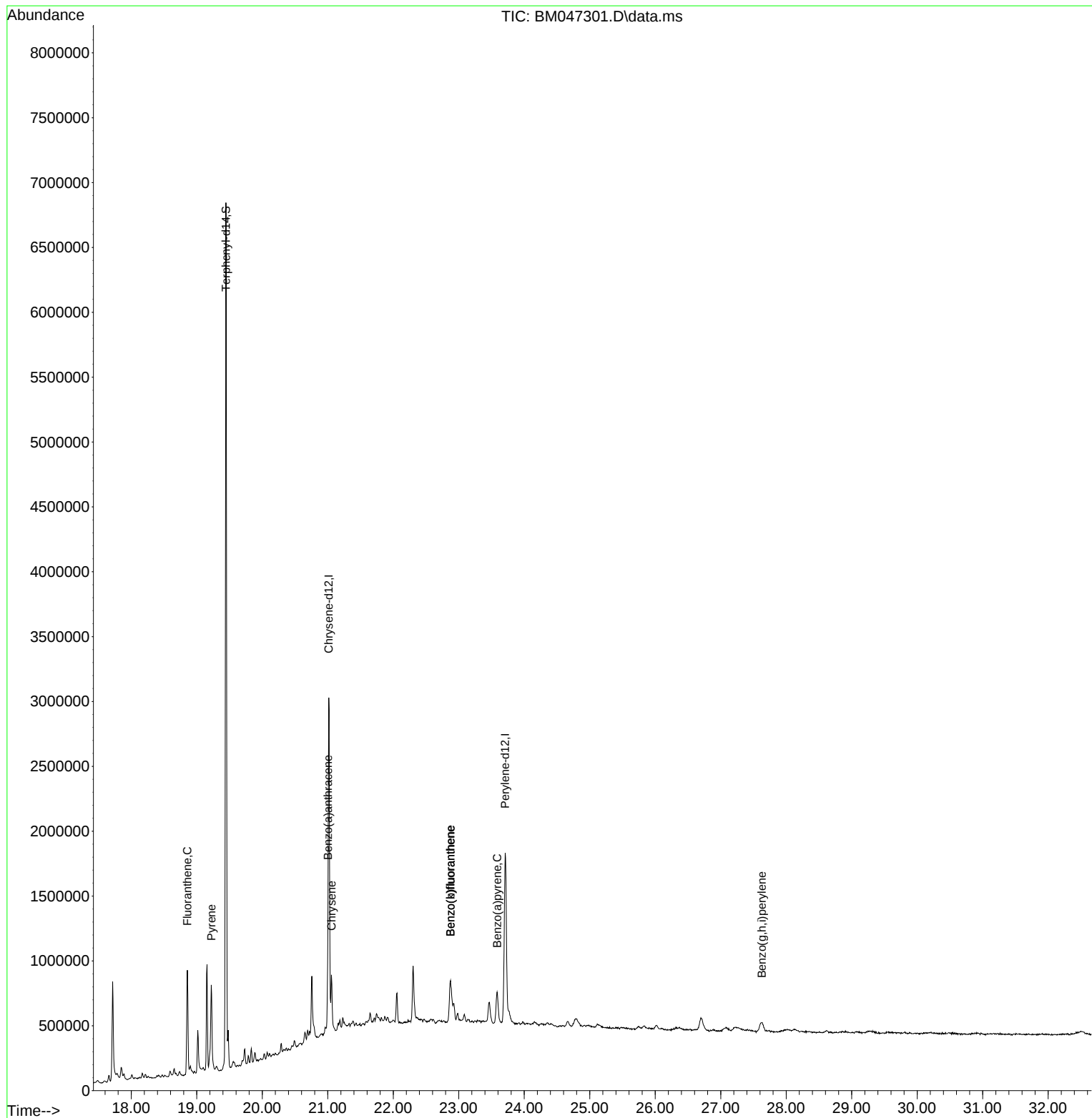
Quant Time: Aug 21 17:58:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

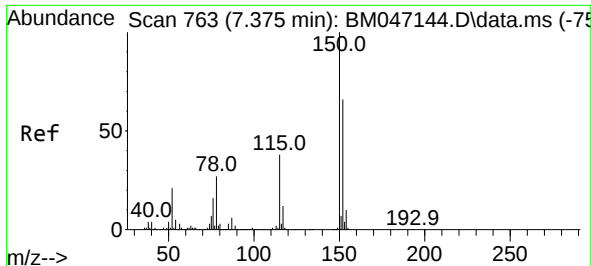


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082124\
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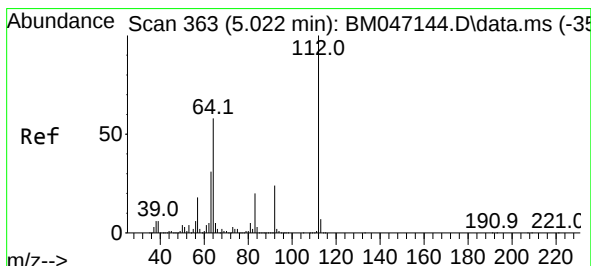
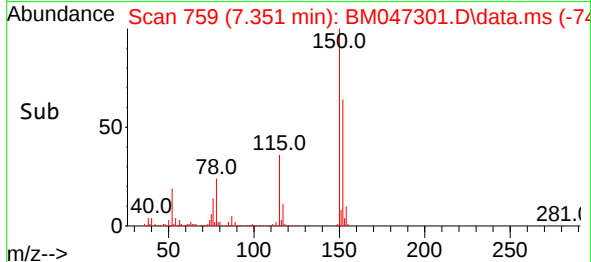
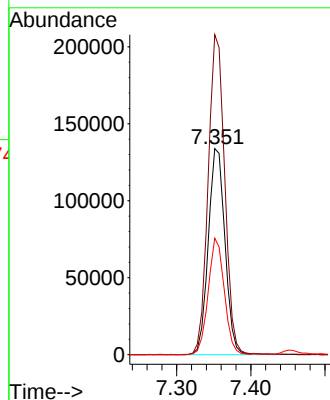
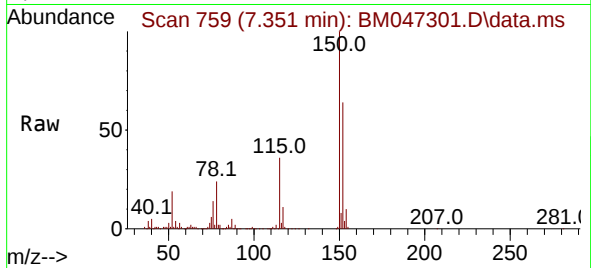




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

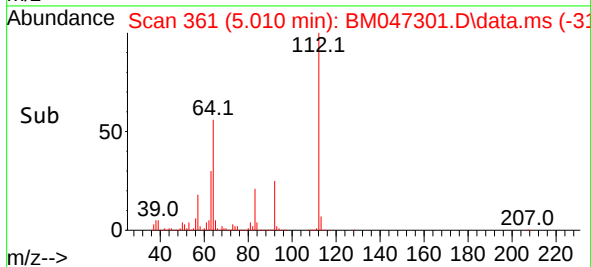
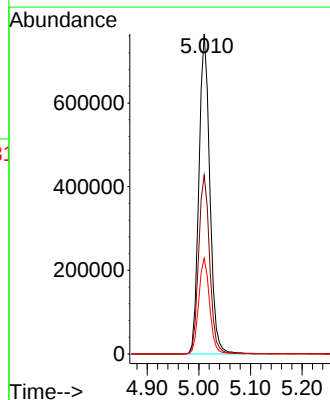
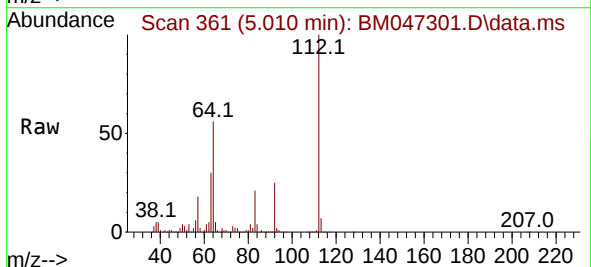
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

Tgt Ion:152 Resp: 210189
Ion Ratio Lower Upper
152 100
150 155.3 120.5 180.7
115 56.6 45.5 68.3



#5
2-Fluorophenol
Concen: 95.477 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

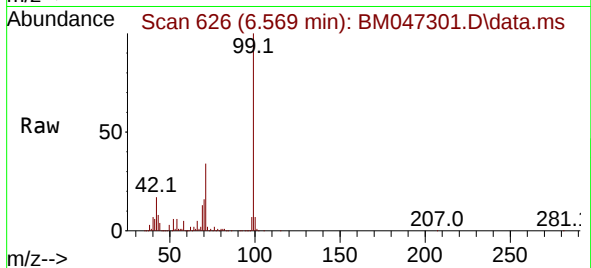
Tgt Ion:112 Resp: 1123115
Ion Ratio Lower Upper
112 100
64 55.9 46.7 70.1
63 29.9 24.8 37.2



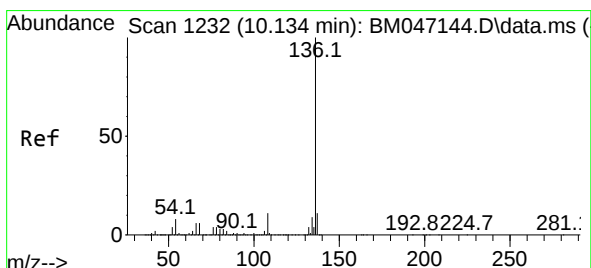
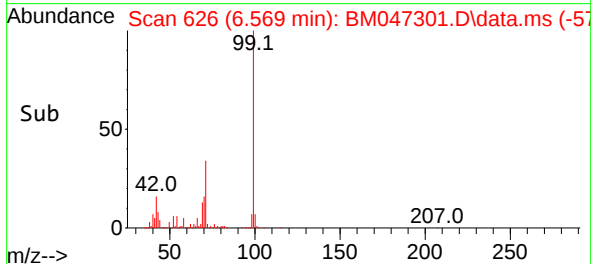
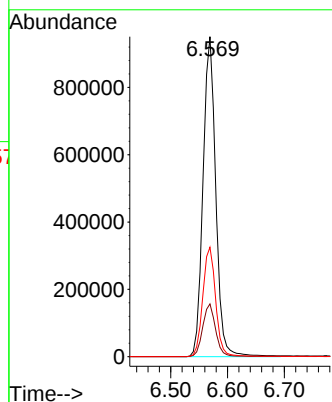


#7
Phenol-d6
Concen: 91.480 ng
RT: 6.569 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

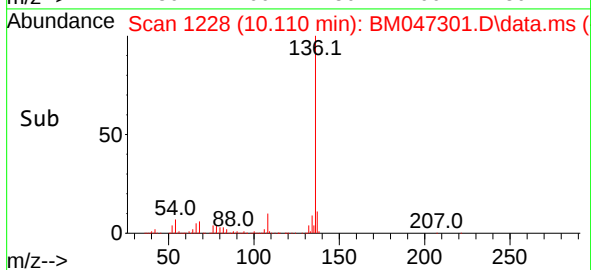
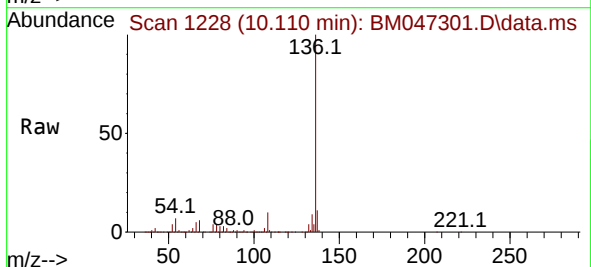
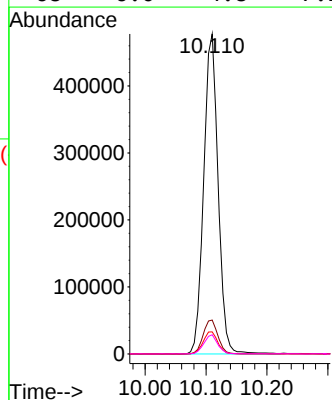


Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.1	21.1
71	34.2	28.5	42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.9	6.0	9.0
68	6.0	4.8	7.2

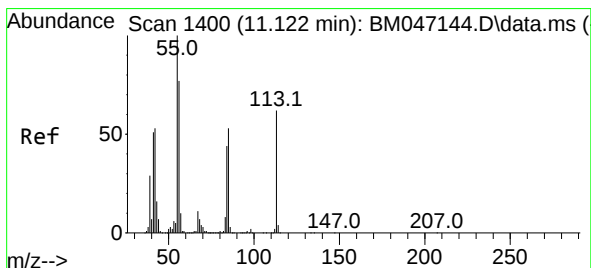
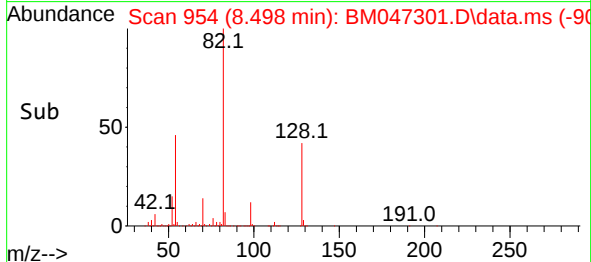
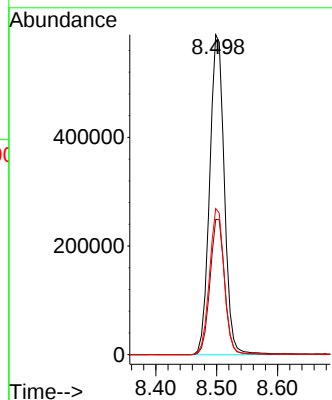
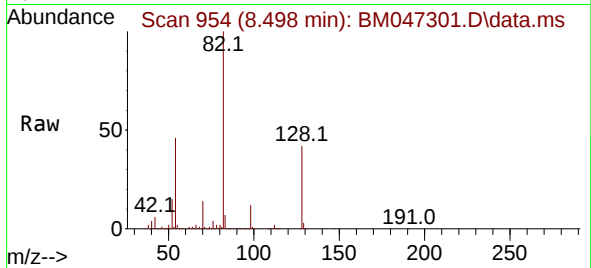




#23
Nitrobenzene-d5
Concen: 63.480 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

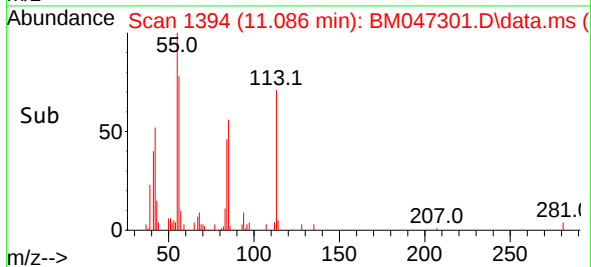
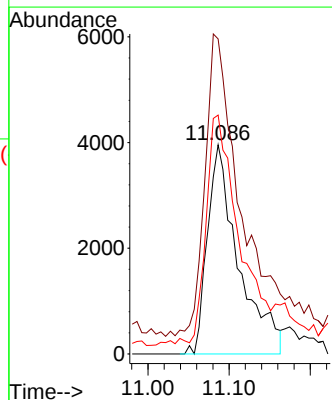
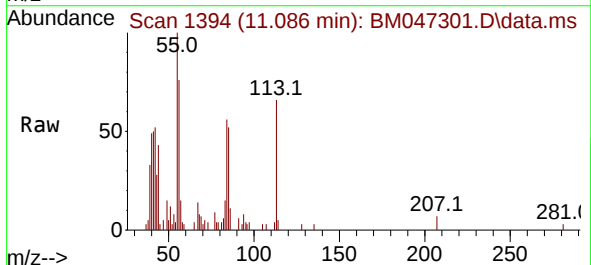
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

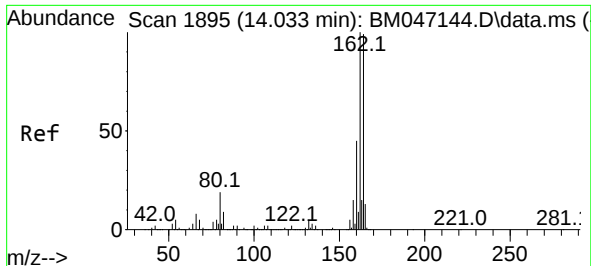
Tgt Ion: 82 Resp: 988214
Ion Ratio Lower Upper
82 100
128 42.3 32.3 48.5
54 45.7 37.4 56.2



#35
Caprolactam
Concen: 2.511 ng
RT: 11.086 min Scan# 1394
Delta R.T. -0.035 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion: 113 Resp: 10520
Ion Ratio Lower Upper
113 100
55 150.7 140.5 180.5
56 114.3 103.6 143.6

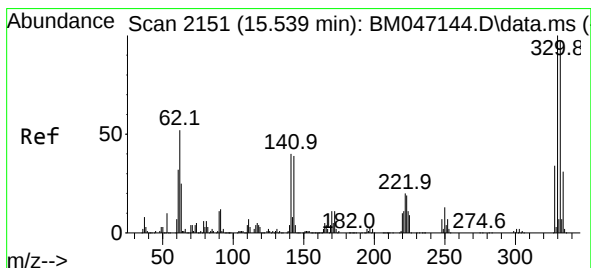
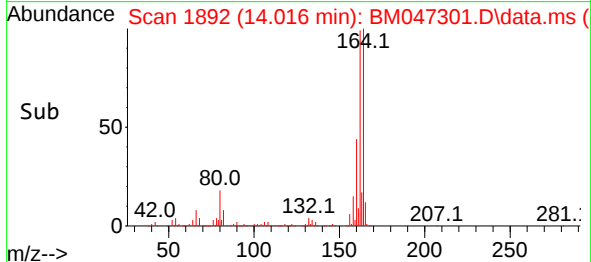
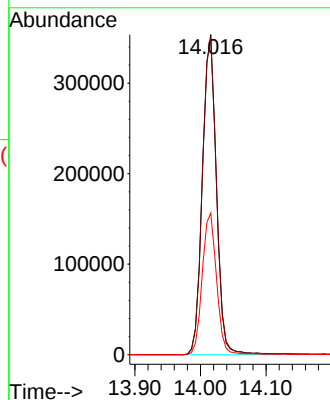
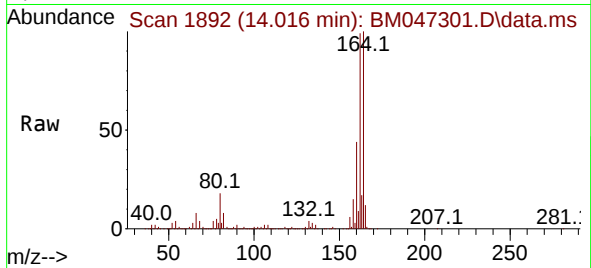




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

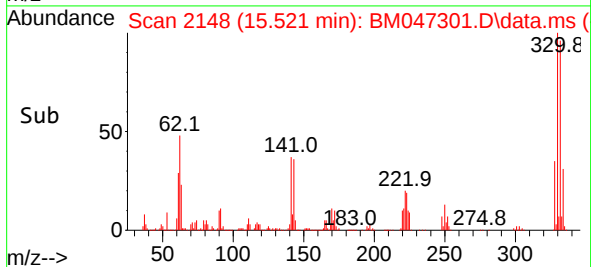
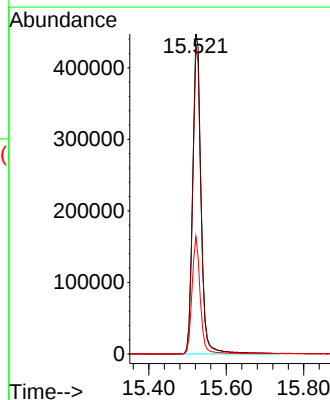
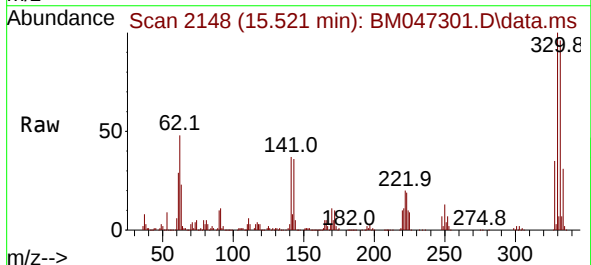
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

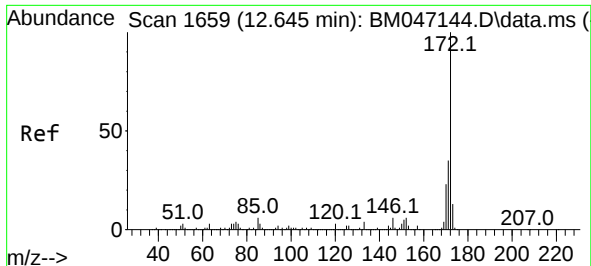
Tgt Ion:164 Resp: 527098
Ion Ratio Lower Upper
164 100
162 98.6 80.7 121.1
160 44.2 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 110.381 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion:330 Resp: 674624
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 35.8 31.6 47.4

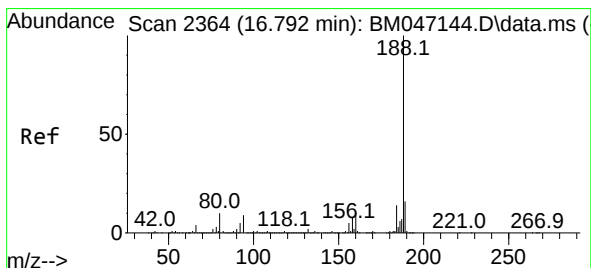
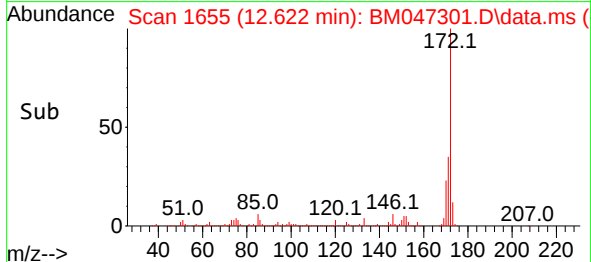
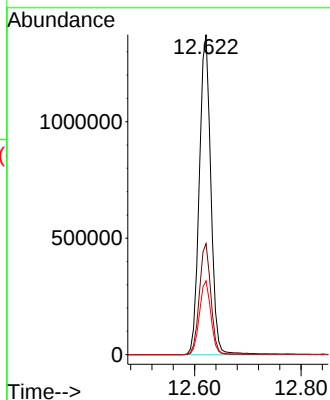
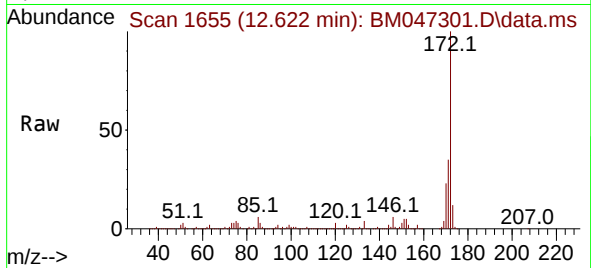




#45
2-Fluorobiphenyl
Concen: 60.369 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

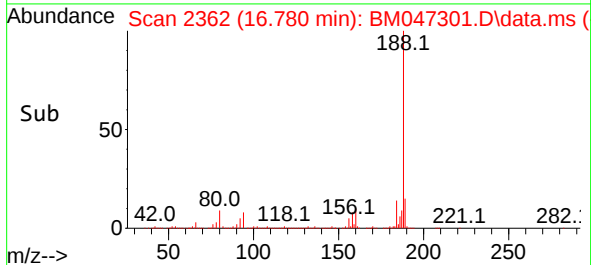
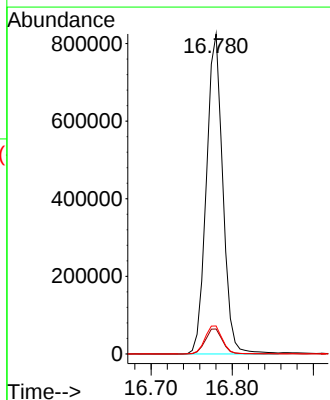
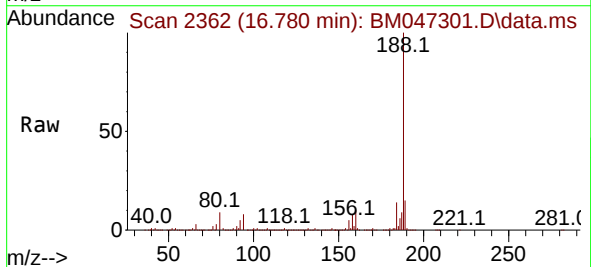
Instrument :
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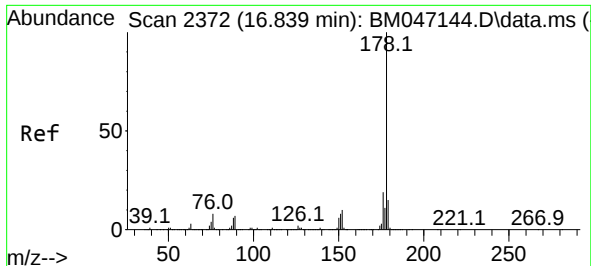
Tgt Ion:172 Resp: 2062888
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.1 18.7 28.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion:188 Resp: 1155161
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.6
80 8.8 8.0 12.0

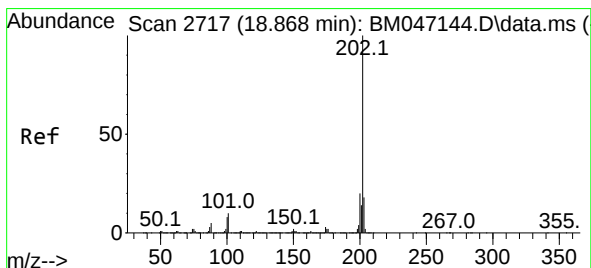
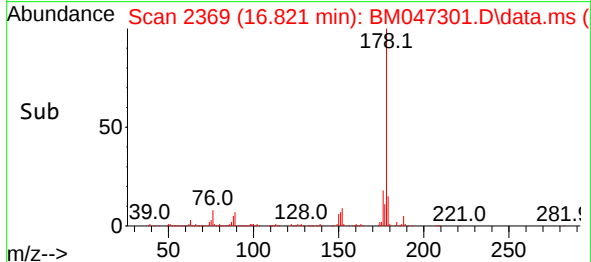
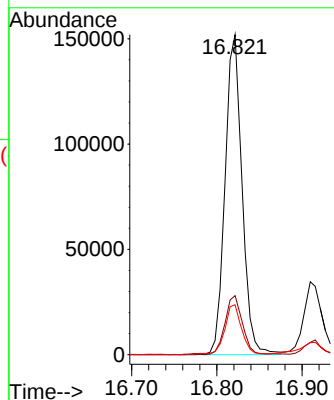
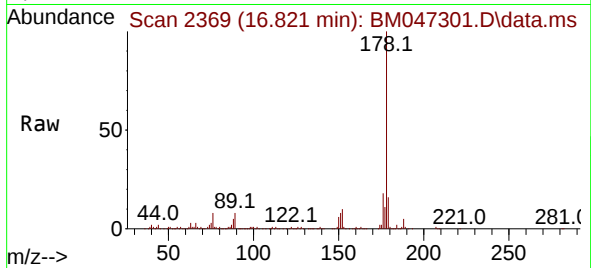




#71
Phenanthrene
Concen: 3.639 ng
RT: 16.821 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

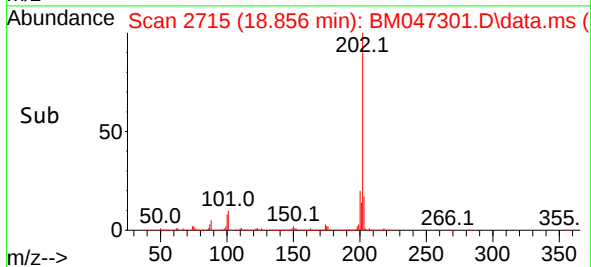
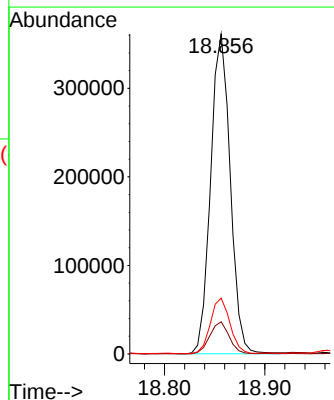
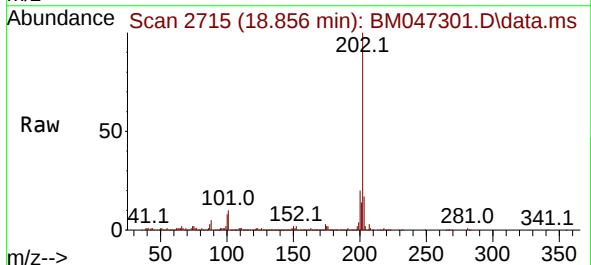
Instrument :
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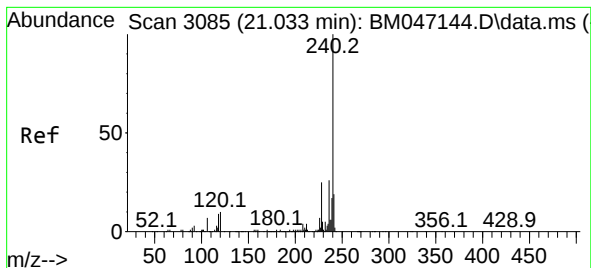
Tgt Ion:178 Resp: 210958
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.6 12.4 18.6



#75
Fluoranthene
Concen: 6.975 ng
RT: 18.856 min Scan# 2715
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion:202 Resp: 491862
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.5 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: BM047301.D

Acq: 21 Aug 2024 17:06

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-10-14

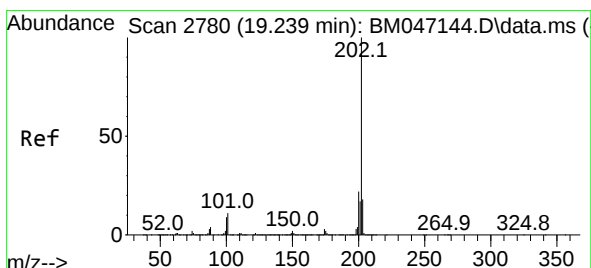
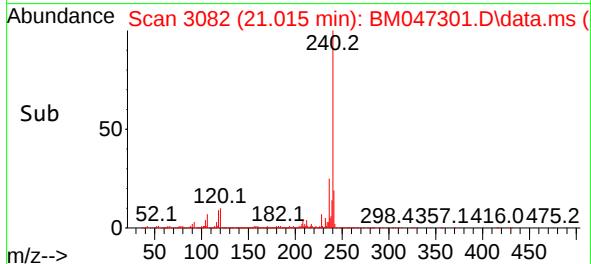
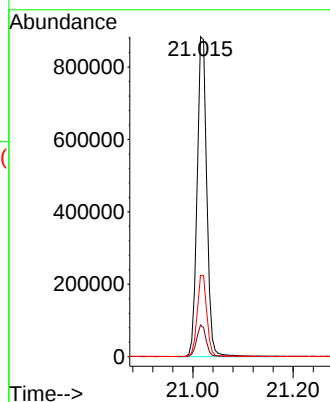
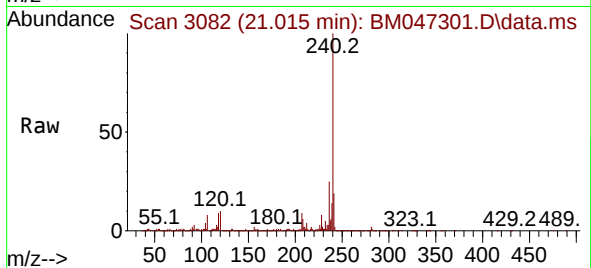
Tgt Ion:240 Resp: 1178349

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 25.4 20.6 30.8



#78

Pyrene

Concen: 5.032 ng

RT: 19.221 min Scan# 2777

Delta R.T. -0.018 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

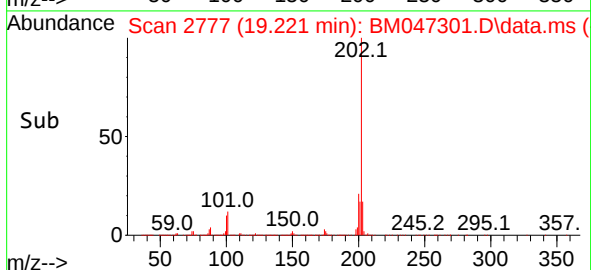
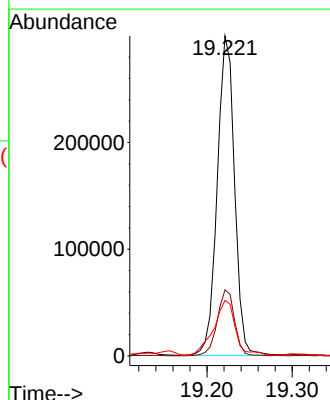
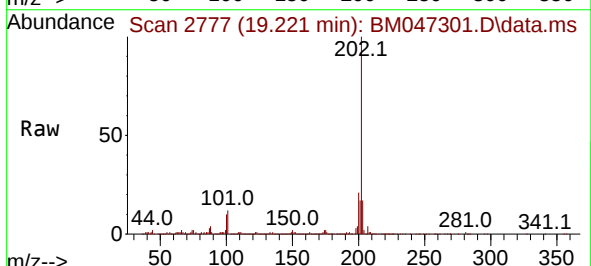
Tgt Ion:202 Resp: 423371

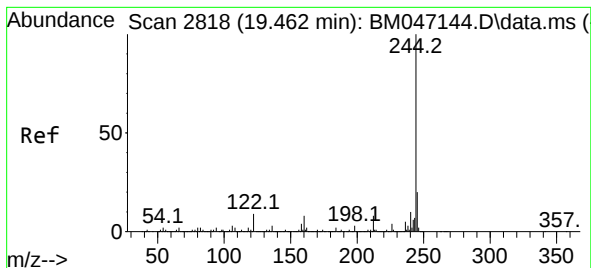
Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 57.866 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047301.D

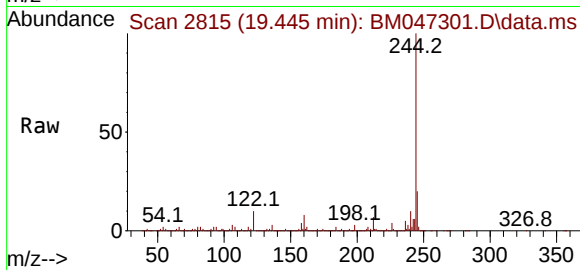
Acq: 21 Aug 2024 17:06

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-10-14



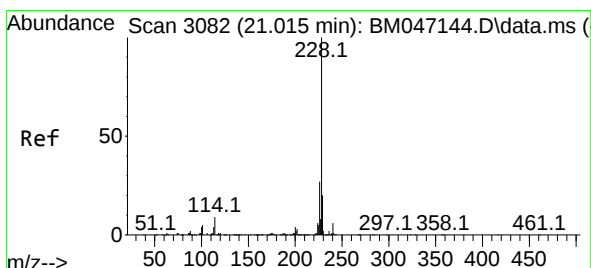
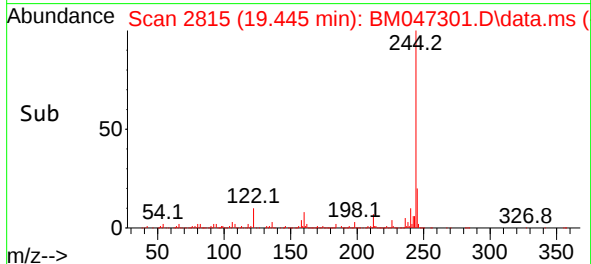
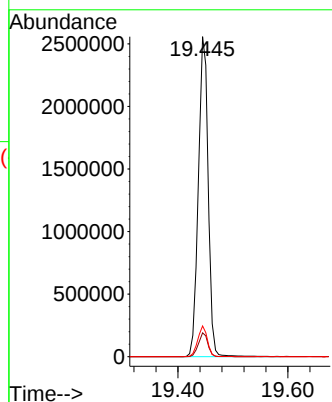
Tgt Ion:244 Resp: 3182151

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 9.6 7.1 10.7



#81

Benzo(a)anthracene

Concen: 3.467 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.012 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

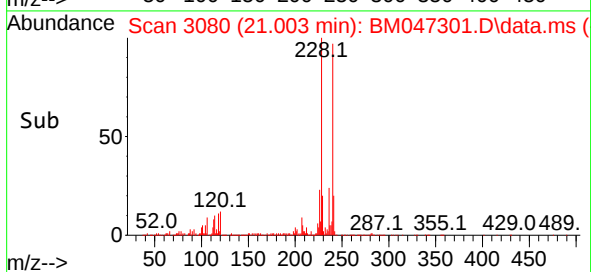
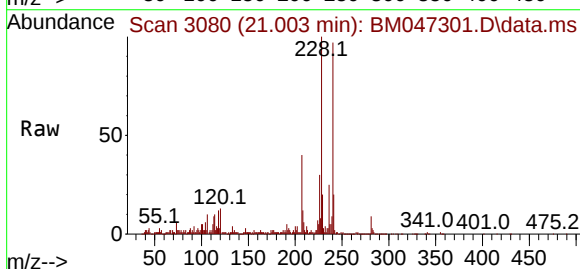
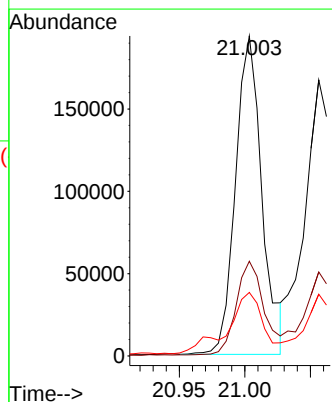
Tgt Ion:228 Resp: 271208

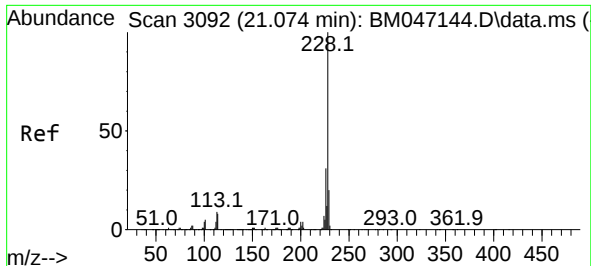
Ion Ratio Lower Upper

228 100

226 29.6 21.8 32.6

229 19.8 15.8 23.8

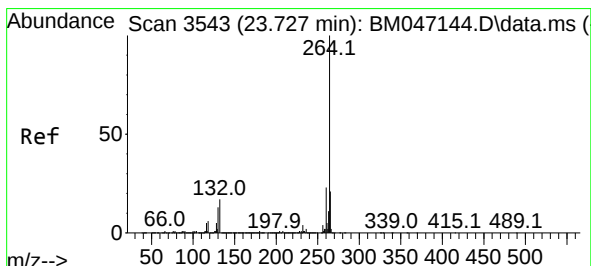
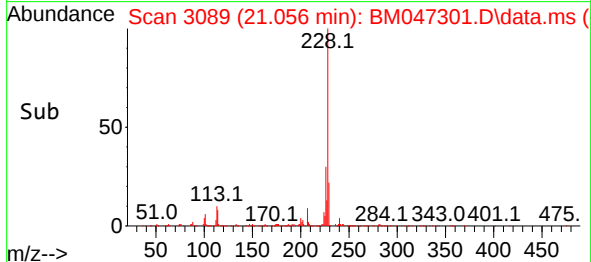
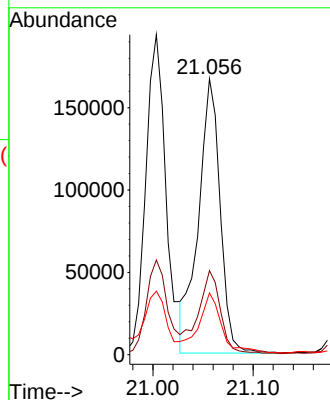
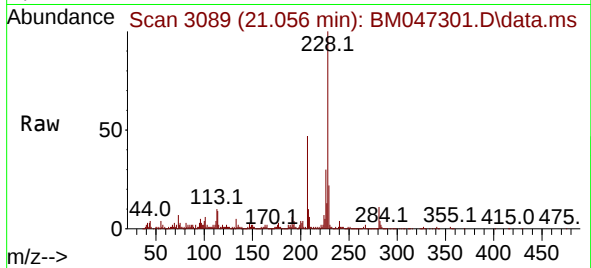




#83
Chrysene
Concen: 3.402 ng
RT: 21.056 min Scan# 3092
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

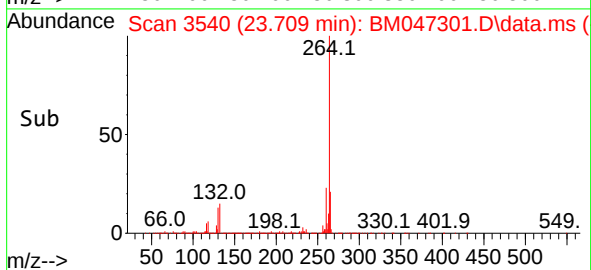
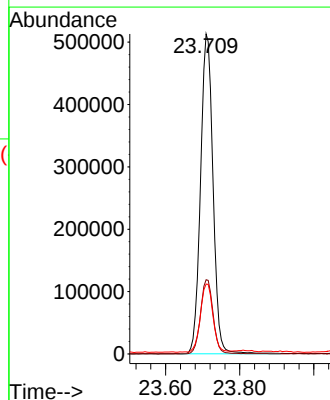
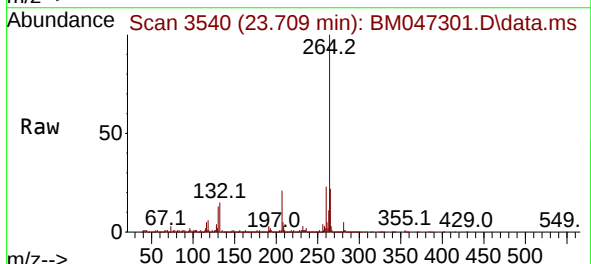
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

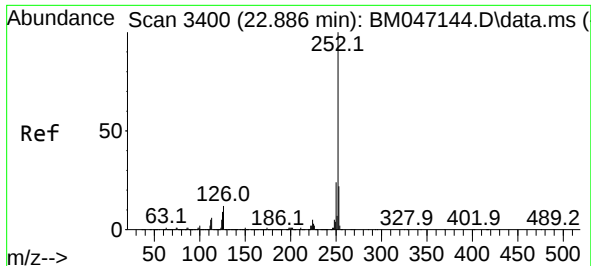
Tgt Ion:	228	Resp:	252479
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.4	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion:	264	Resp:	1195751
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.9	17.3	25.9

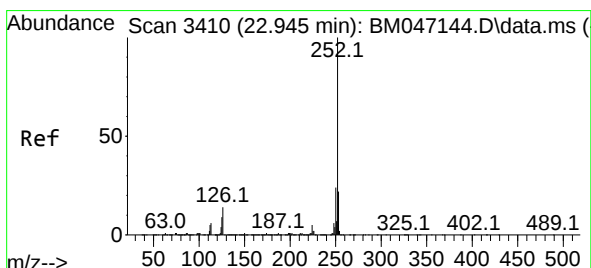
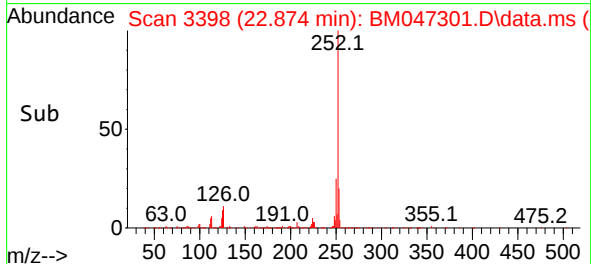
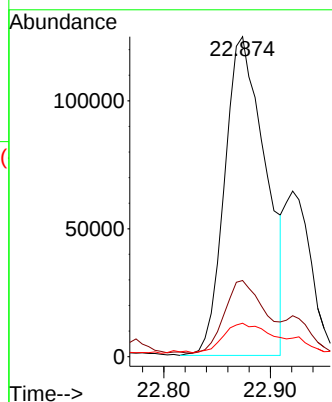
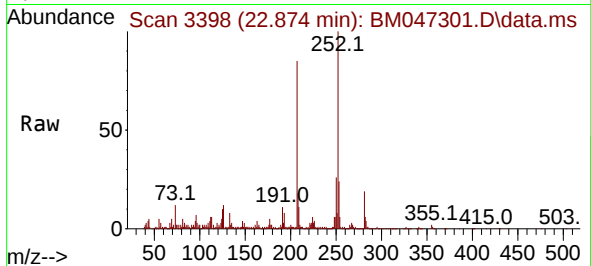




#88
Benzo(b)fluoranthene
Concen: 4.694 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

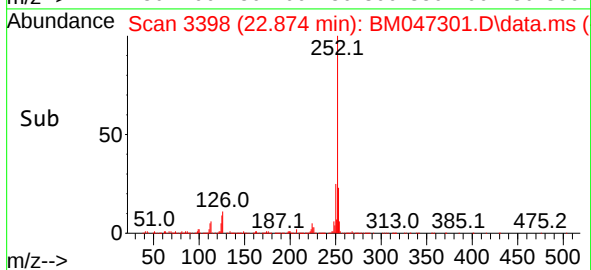
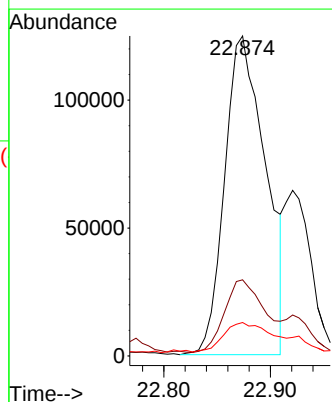
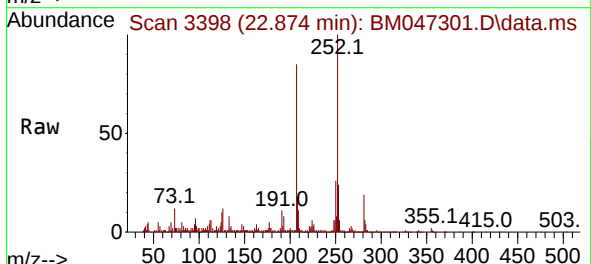
Instrument :
BNA_M
ClientSampleId :
VCPS-B5-081424-10-14

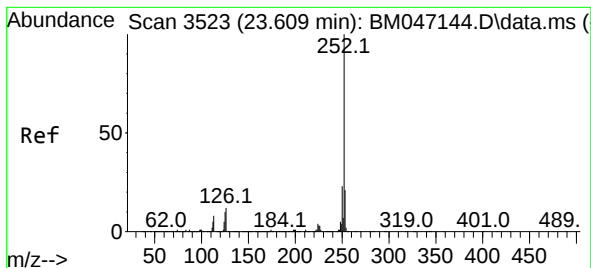
Tgt Ion:252 Resp: 333328
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 10.4 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 4.970 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.071 min
Lab File: BM047301.D
Acq: 21 Aug 2024 17:06

Tgt Ion:252 Resp: 333328
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 10.4 7.4 11.2





#90

Benzo(a)pyrene

Concen: 3.607 ng

RT: 23.586 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

Instrument :

BNA_M

ClientSampleId :

VCPS-B5-081424-10-14

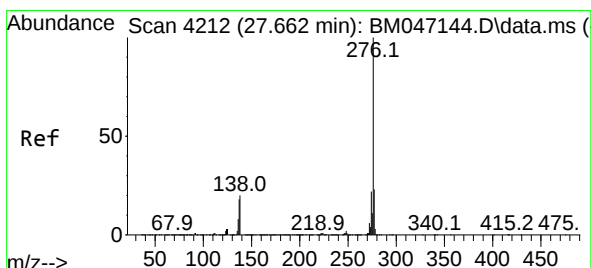
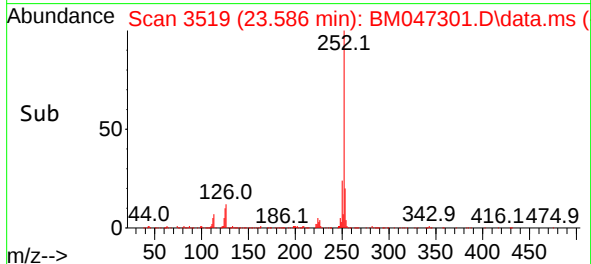
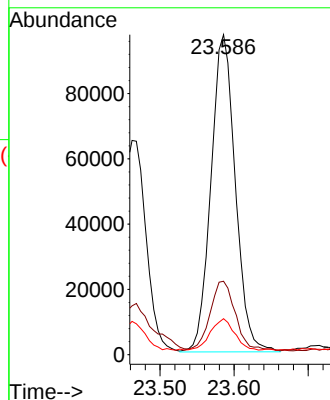
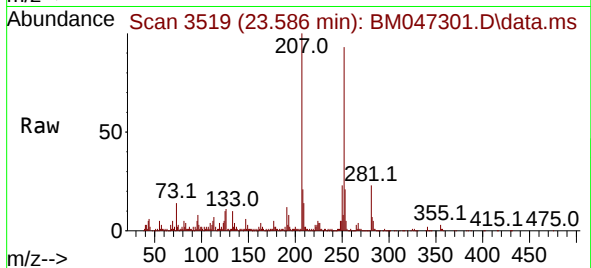
Tgt Ion:252 Resp: 221868

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 11.2 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 2.060 ng

RT: 27.627 min Scan# 4206

Delta R.T. -0.035 min

Lab File: BM047301.D

Acq: 21 Aug 2024 17:06

Tgt Ion:276 Resp: 133758

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 18.3 16.2 24.4

