

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091824\
 Data File : BM047564.D
 Acq On : 18 Sep 2024 20:25
 Operator : RC/JU
 Sample : P4089-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 365-351-294

Quant Time: Sep 19 03:19:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

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

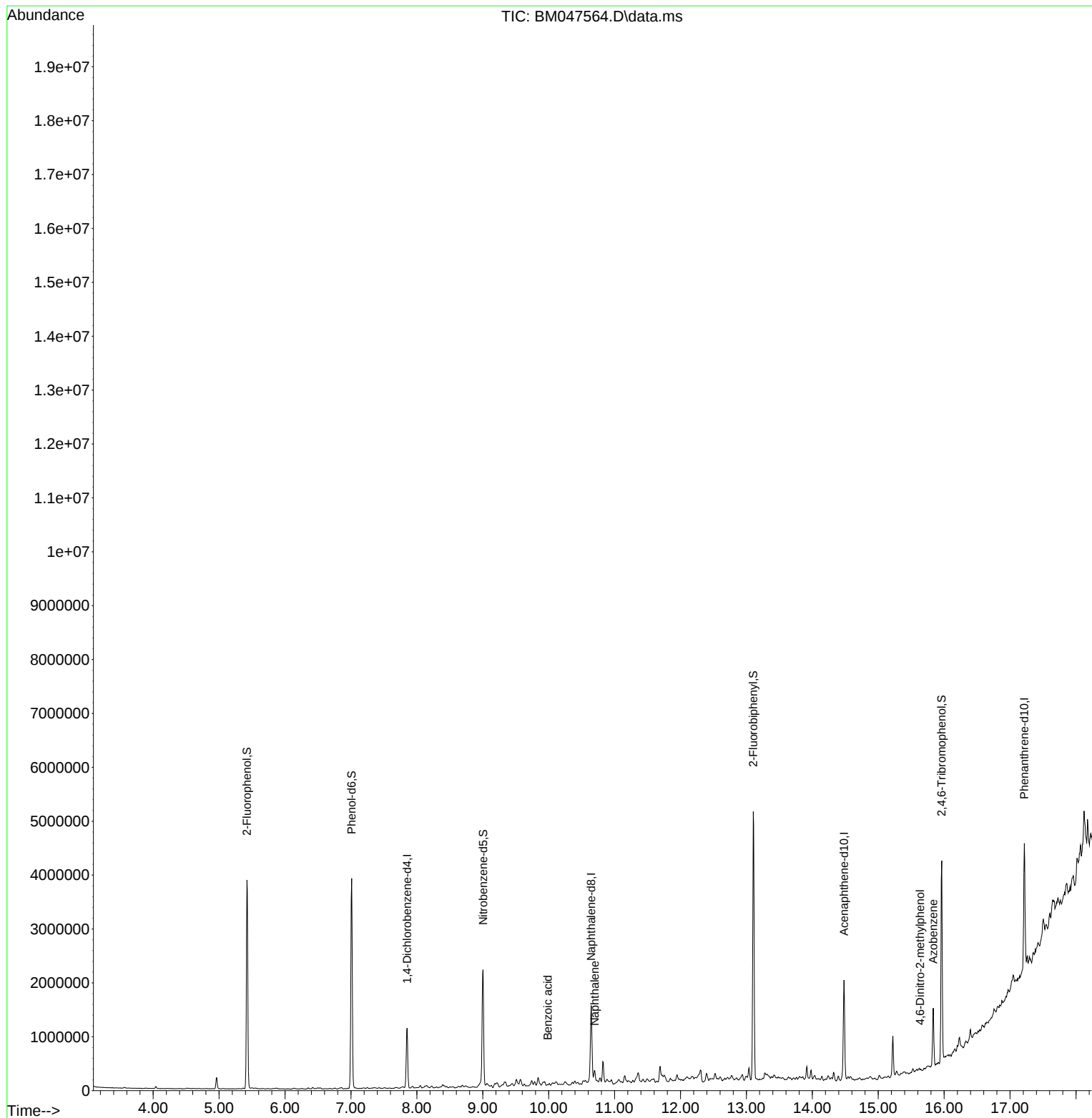
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	259466	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1060815	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	571560	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1206870	20.000	ng	# 0.00
76) Chrysene-d12	21.451	240	1147145	20.000	ng	0.00
86) Perylene-d12	24.480	264	1205120	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1557844	95.597	ng	0.00
7) Phenol-d6	7.010	99	2051740	89.403	ng	0.00
23) Nitrobenzene-d5	9.004	82	1241376	58.564	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	454874	82.336	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	2289077	55.169	ng	0.00
79) Terphenyl-d14	19.833	244	3755453	58.663	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.698	128	159688	2.787	ng	99
32) Benzoic acid	9.987	122	258	6.719	ng	# 1
63) Azobenzene	15.833	77	329893	7.226	ng	# 3
65) 4,6-Dinitro-2-methylph...	15.633	198	60	7.180	ng	# 1
75) Fluoranthene	19.268	202	169967	2.342	ng	69
78) Pyrene	19.627	202	192886	2.305	ng	# 81

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

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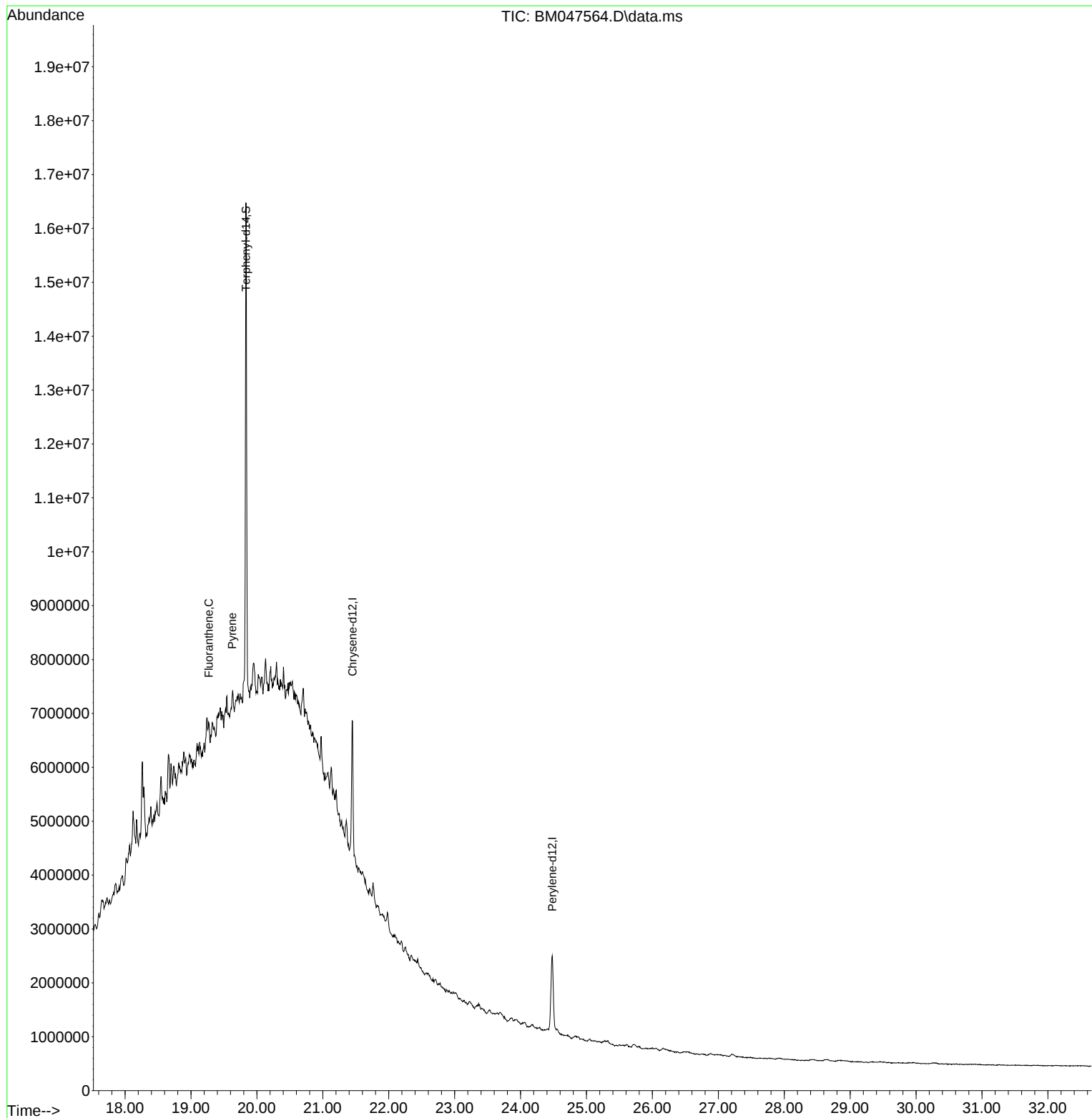
Quant Time: Sep 19 03:19:17 2024
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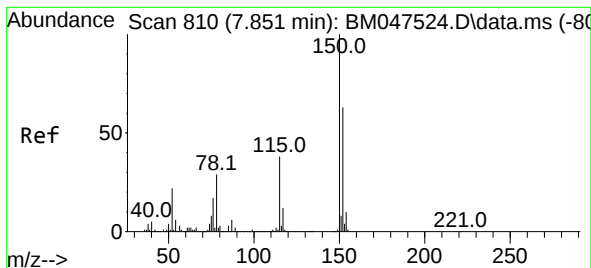


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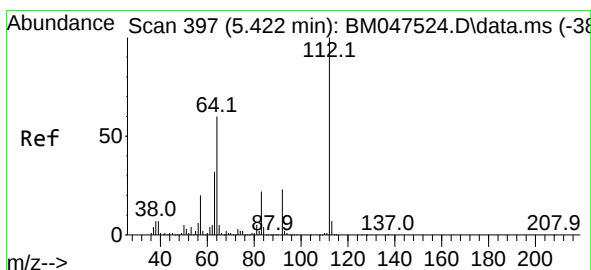
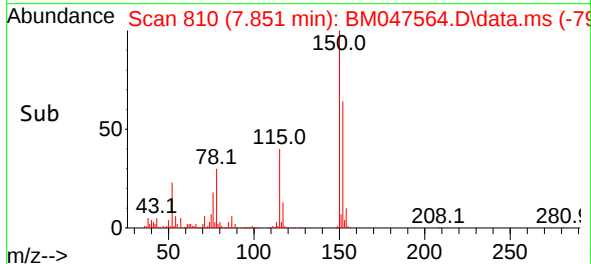
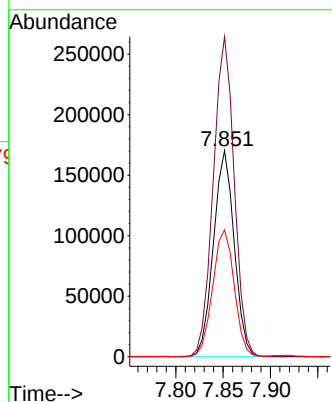
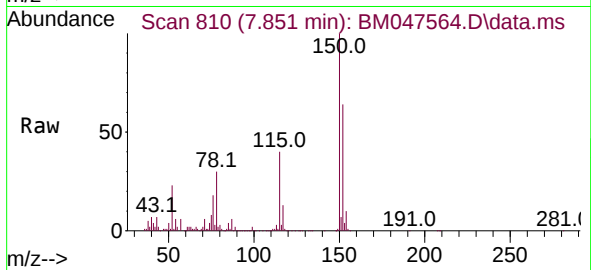




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047564.D
Acq: 18 Sep 2024 20:25

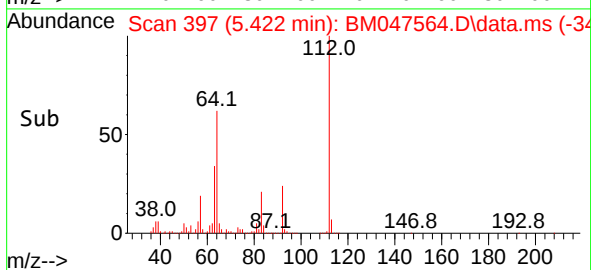
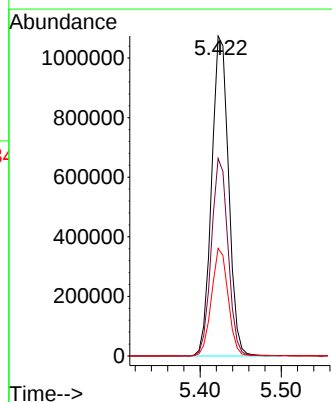
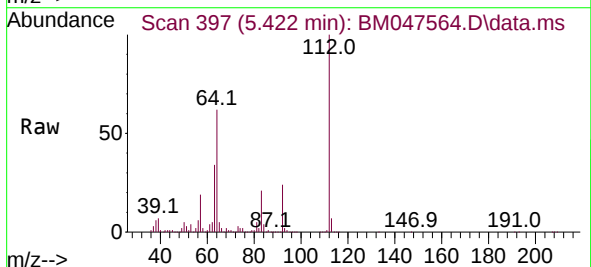
Instrument :
BNA_M
ClientSampleId :
365-351-294

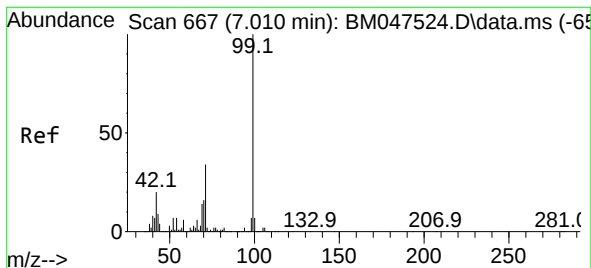
Tgt Ion:152 Resp: 259466
Ion Ratio Lower Upper
152 100
150 155.3 126.8 190.2
115 61.6 47.8 71.8



#5
2-Fluorophenol
Concen: 95.597 ng
RT: 5.422 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM047564.D
Acq: 18 Sep 2024 20:25

Tgt Ion:112 Resp: 1557844
Ion Ratio Lower Upper
112 100
64 61.7 48.2 72.4
63 33.6 26.0 39.0





#7

Phenol-d6

Concen: 89.403 ng

RT: 7.010 min Scan# 60

Delta R.T. 0.000 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Instrument :

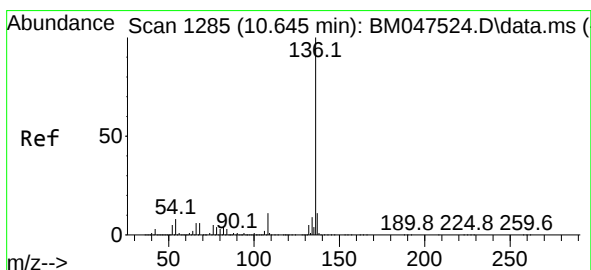
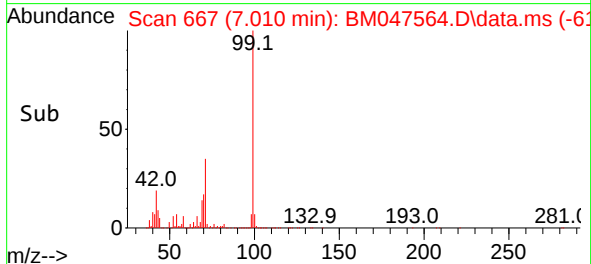
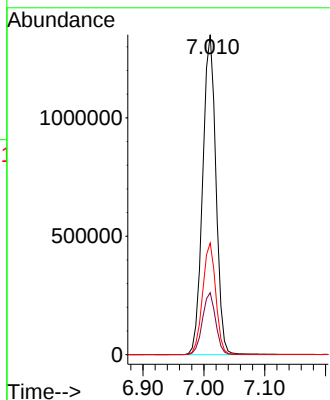
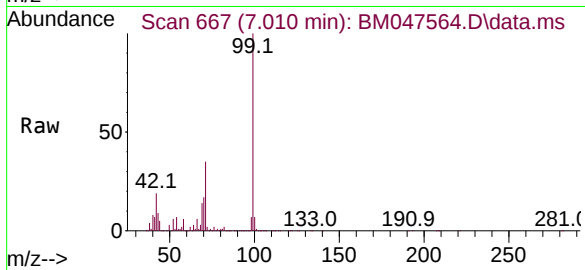
BNA_M

ClientSampleId :

365-351-294

Tgt Ion: 99 Resp: 2051740

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.8
71	34.9	27.6	41.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.645 min Scan# 1285

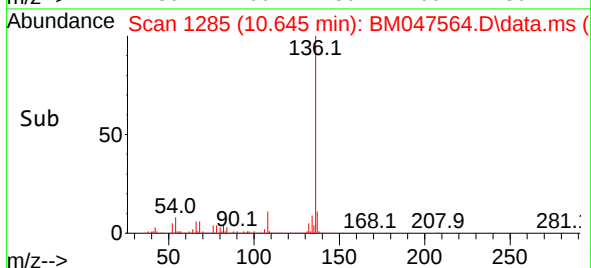
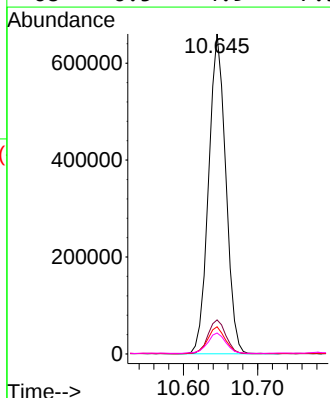
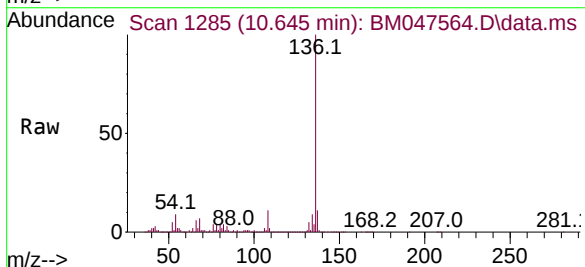
Delta R.T. 0.000 min

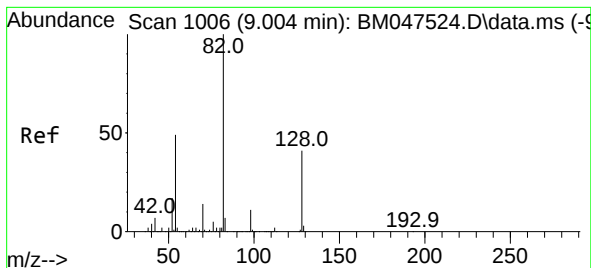
Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Tgt Ion: 136 Resp: 1060815

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	8.5	6.6	9.8
68	6.5	4.9	7.3





#23

Nitrobenzene-d5

Concen: 58.564 ng

RT: 9.004 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Instrument :

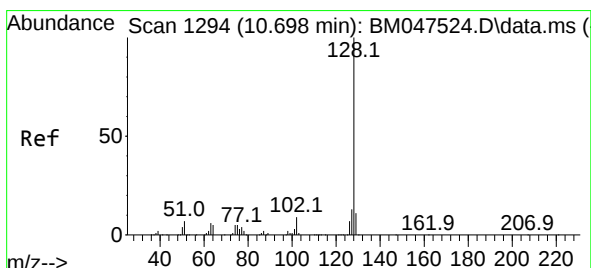
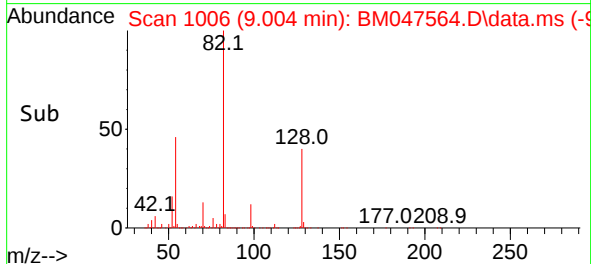
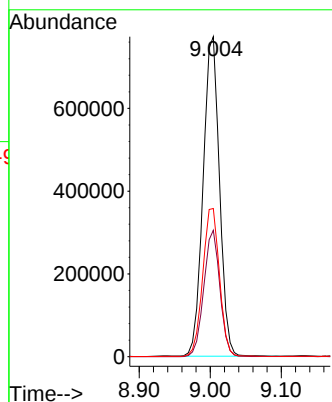
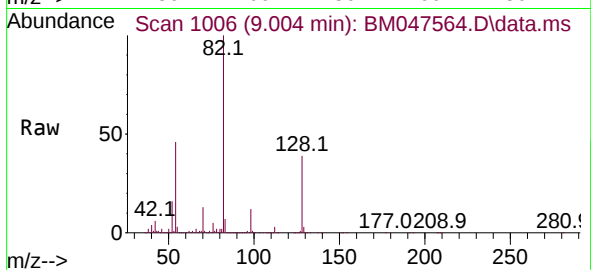
BNA_M

ClientSampleId :

365-351-294

Tgt Ion: 82 Resp: 1241376

Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.0	49.4
54	46.3	39.3	58.9



#31

Naphthalene

Concen: 2.787 ng

RT: 10.698 min Scan# 1294

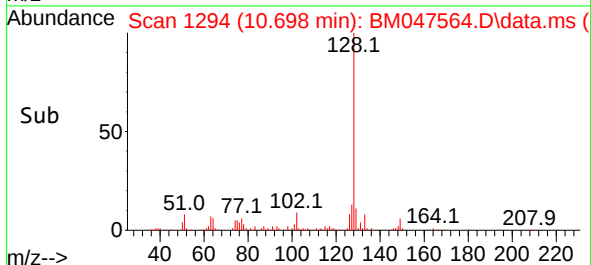
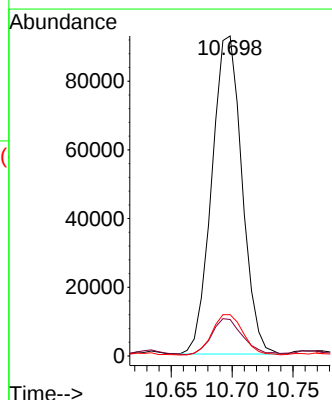
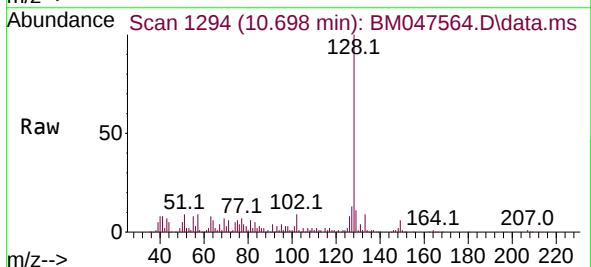
Delta R.T. 0.000 min

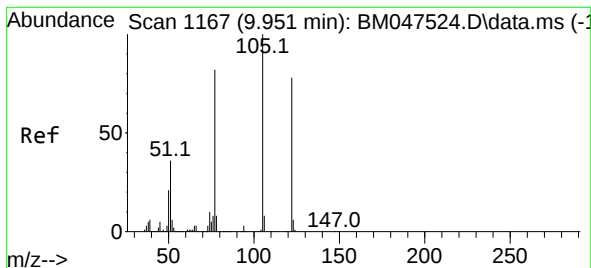
Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Tgt Ion: 128 Resp: 159688

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	12.9	10.5	15.7





#32

Benzoic acid

Concen: 6.719 ng

RT: 9.987 min Scan# 1167

Delta R.T. 0.036 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Instrument :

BNA_M

ClientSampleId :

365-351-294

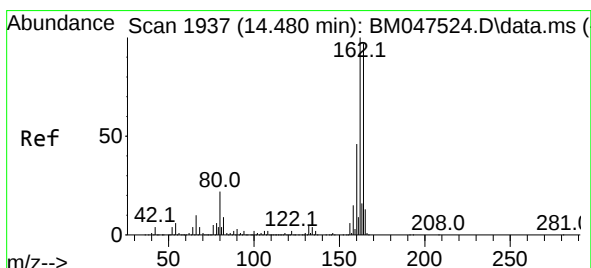
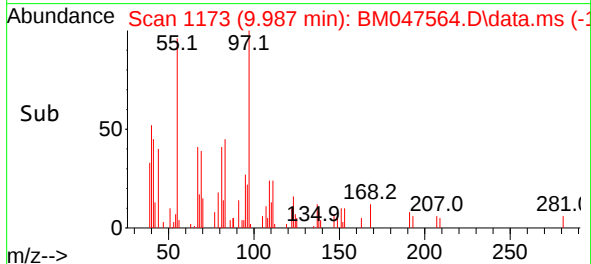
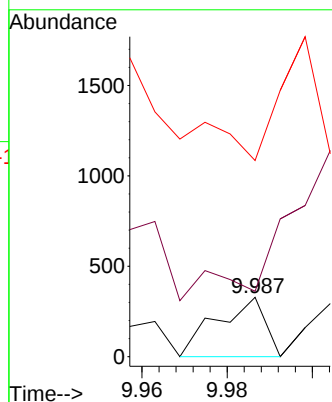
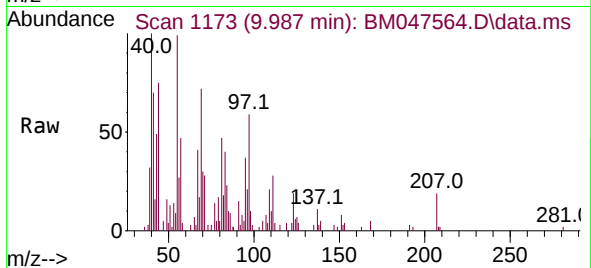
Tgt Ion:122 Resp: 258

Ion Ratio Lower Upper

122 100

105 110.4 104.7 144.7

77 330.8 83.4 123.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

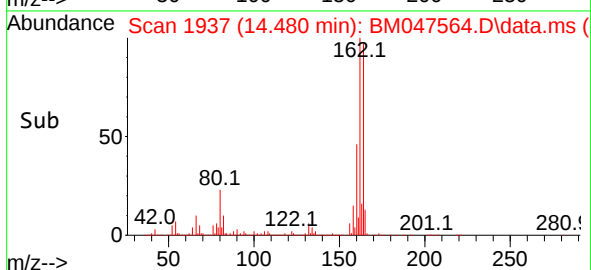
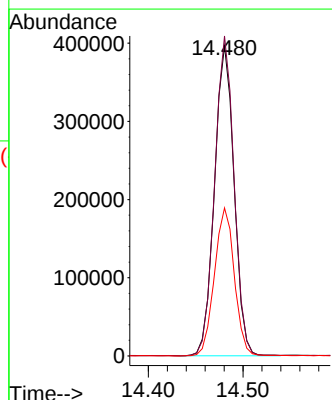
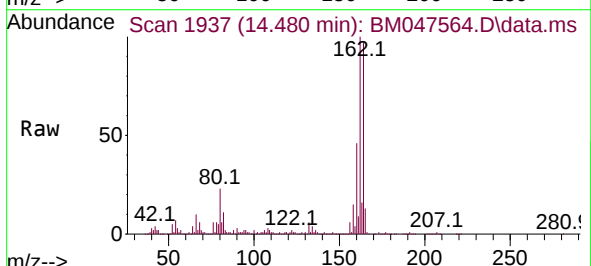
Tgt Ion:164 Resp: 571560

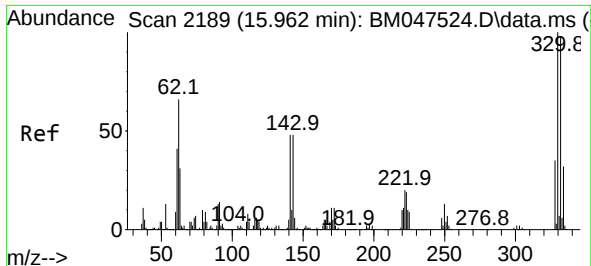
Ion Ratio Lower Upper

164 100

162 103.2 82.2 123.2

160 47.7 38.2 57.2

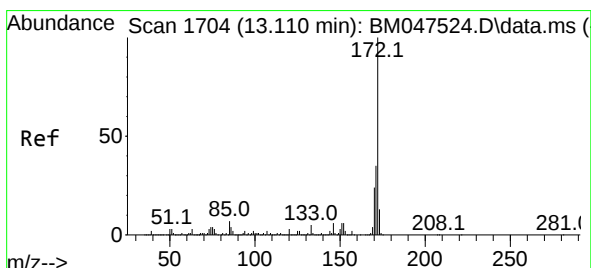
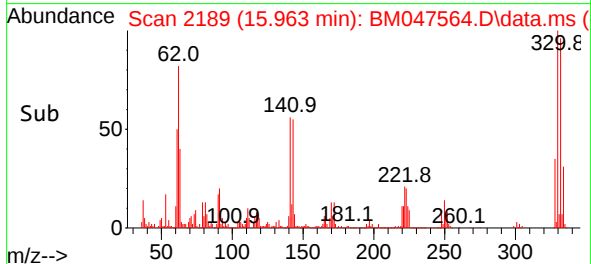
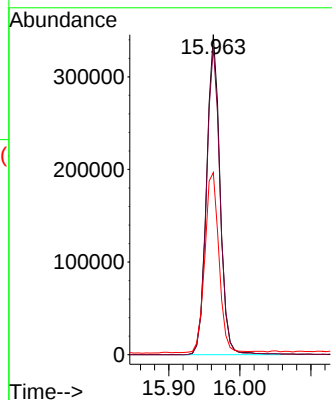
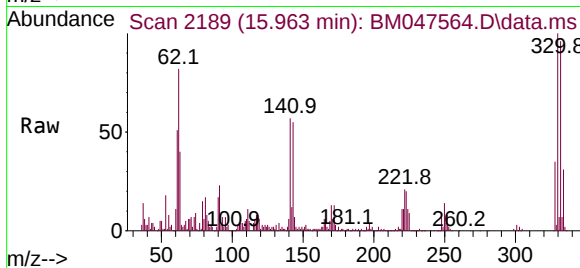




#42
2,4,6-Tribromophenol
Concen: 82.336 ng
RT: 15.963 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047564.D
Acq: 18 Sep 2024 20:25

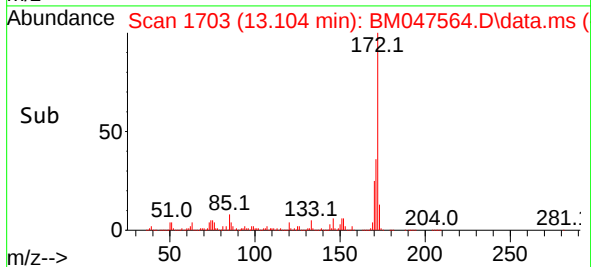
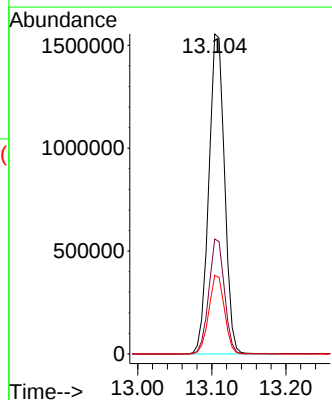
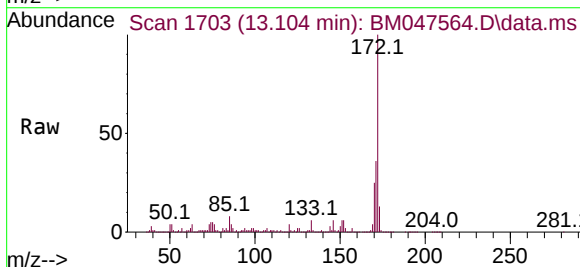
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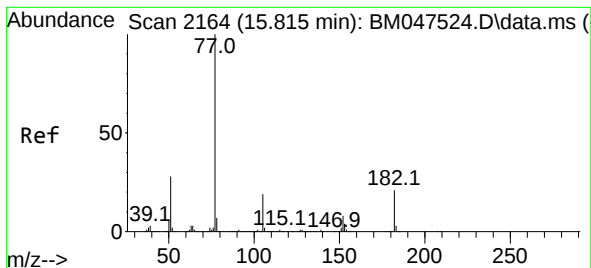
Tgt Ion:330 Resp: 454874
Ion Ratio Lower Upper
330 100
332 97.6 76.9 115.3
141 58.9 42.2 63.2



#45
2-Fluorobiphenyl
Concen: 55.169 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.006 min
Lab File: BM047564.D
Acq: 18 Sep 2024 20:25

Tgt Ion:172 Resp: 2289077
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 24.6 19.4 29.0





#63

Azobenzene

Concen: 7.226 ng

RT: 15.833 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Instrument :

BNA_M

ClientSampleId :

365-351-294

Tgt Ion: 77 Resp: 329893

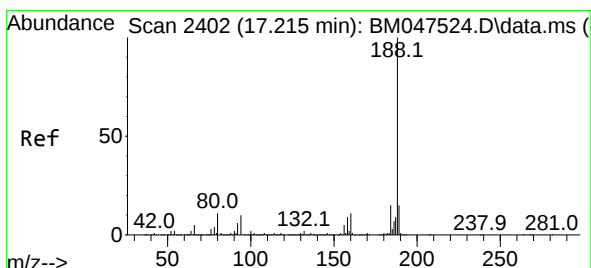
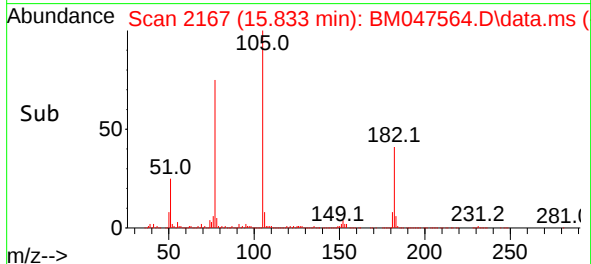
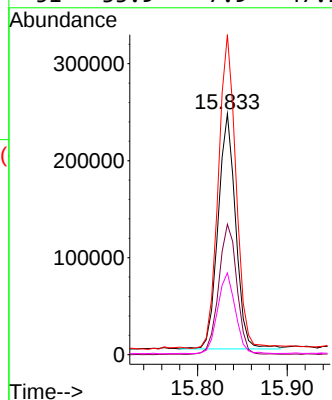
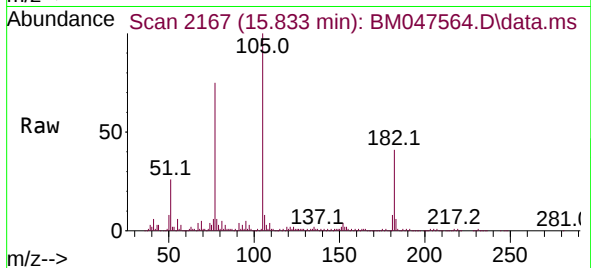
Ion Ratio Lower Upper

77 100

182 54.1 1.2 41.2#

105 132.8 0.0 39.4#

51 33.9 7.9 47.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

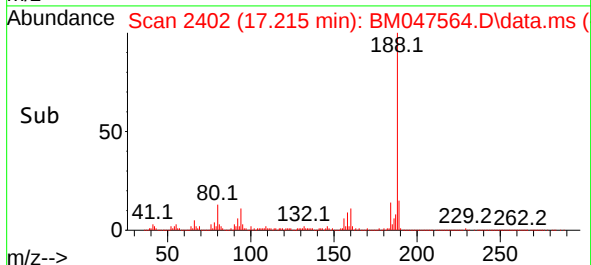
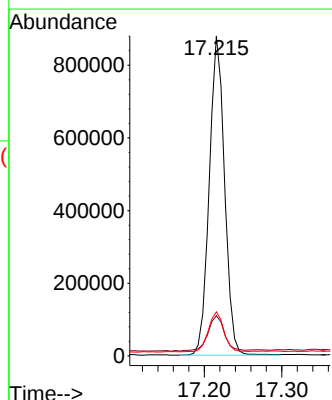
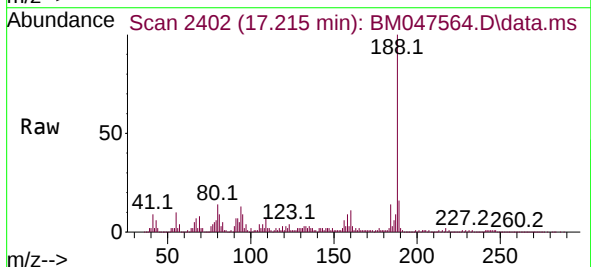
Tgt Ion:188 Resp: 1206870

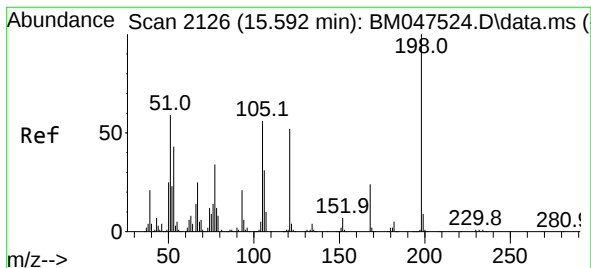
Ion Ratio Lower Upper

188 100

94 12.6 8.4 12.6

80 13.8 9.1 13.7#

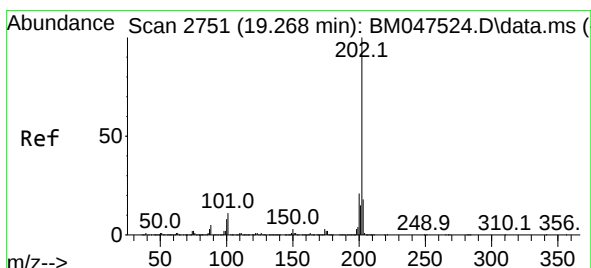
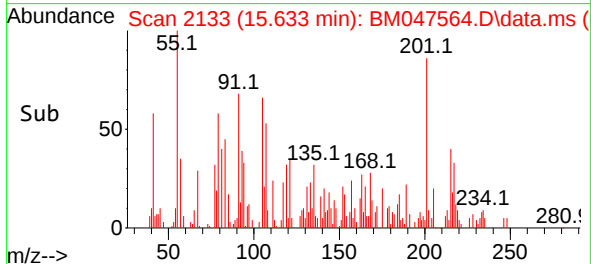
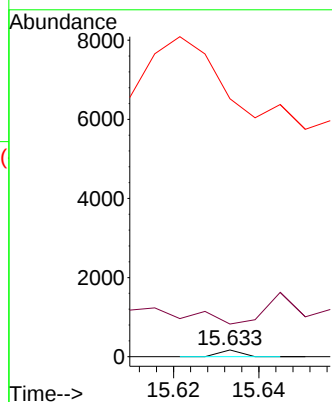
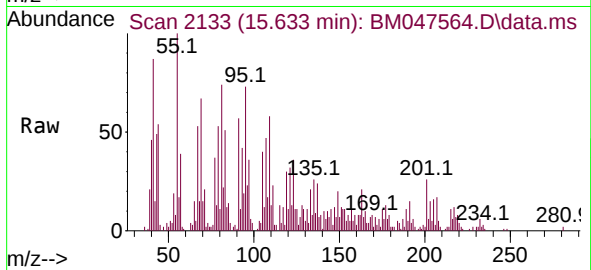




#65
4,6-Dinitro-2-methylphenol
Concen: 7.180 ng
RT: 15.633 min Scan# 2126
Delta R.T. 0.041 min
Lab File: BM047564.D
Acq: 18 Sep 2024 20:25

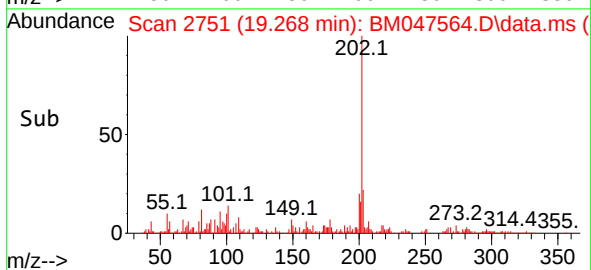
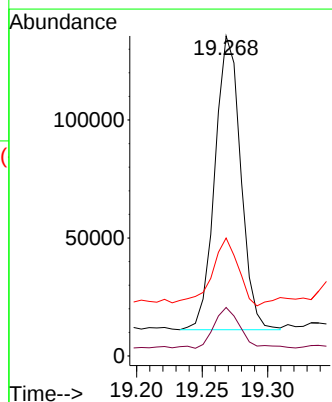
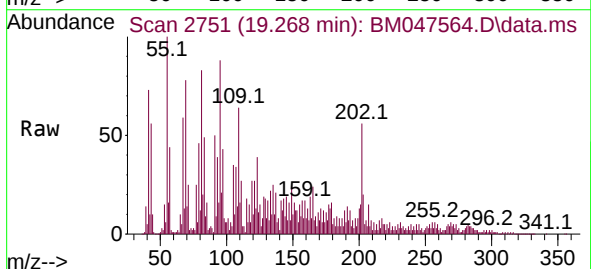
Instrument :
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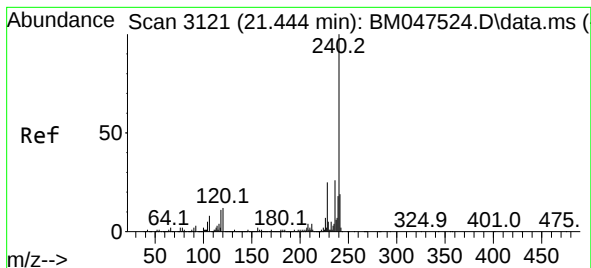
Tgt Ion:198 Resp: 60
Ion Ratio Lower Upper
198 100
51 482.5 41.5 81.5#
105 3812.9 36.4 76.4#



#75
Fluoranthene
Concen: 2.342 ng
RT: 19.268 min Scan# 2751
Delta R.T. 0.000 min
Lab File: BM047564.D
Acq: 18 Sep 2024 20:25

Tgt Ion:202 Resp: 169967
Ion Ratio Lower Upper
202 100
101 15.1 0.0 30.8
203 36.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 3121

Delta R.T. 0.007 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

Instrument :

BNA_M

ClientSampleId :

365-351-294

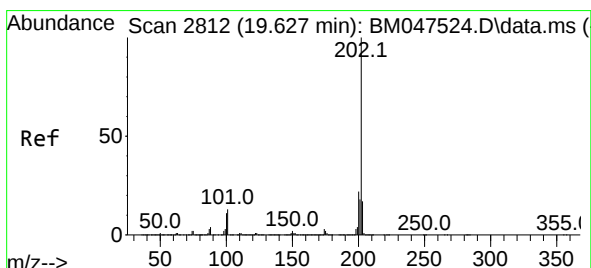
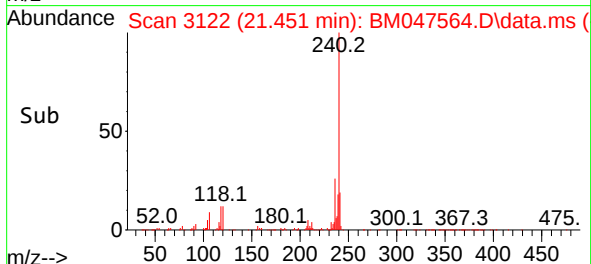
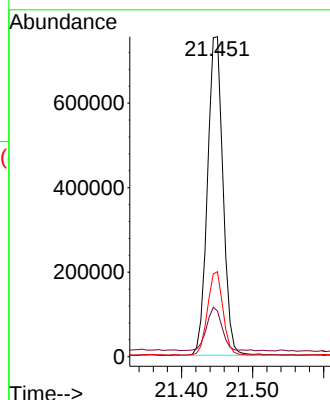
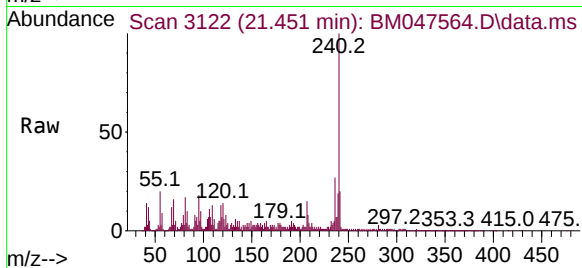
Tgt Ion:240 Resp: 1147145

Ion Ratio Lower Upper

240 100

120 14.3 9.6 14.4

236 26.6 20.9 31.3



#78

Pyrene

Concen: 2.305 ng

RT: 19.627 min Scan# 2812

Delta R.T. 0.000 min

Lab File: BM047564.D

Acq: 18 Sep 2024 20:25

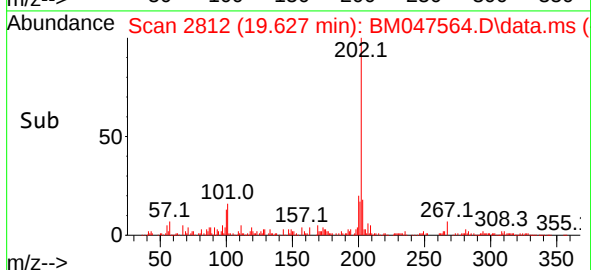
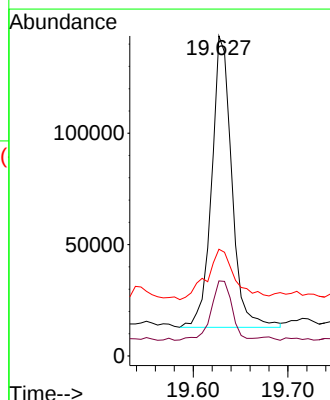
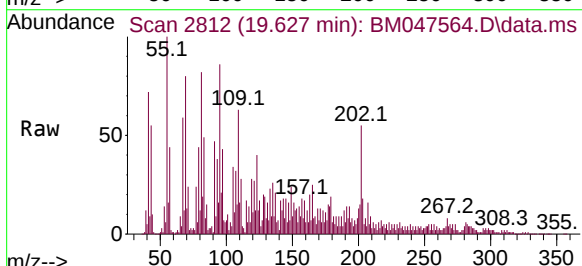
Tgt Ion:202 Resp: 192886

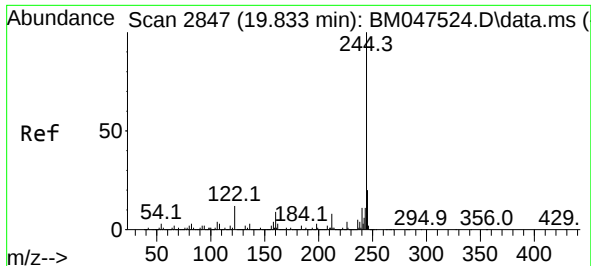
Ion Ratio Lower Upper

202 100

200 23.5 17.2 25.8

203 33.3 14.0 21.0#

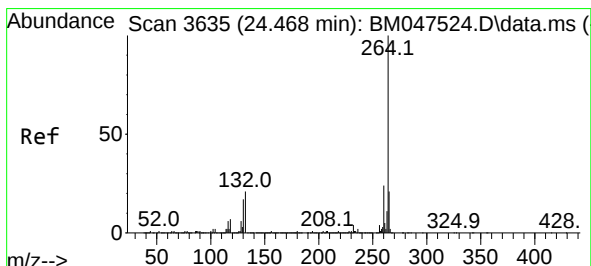
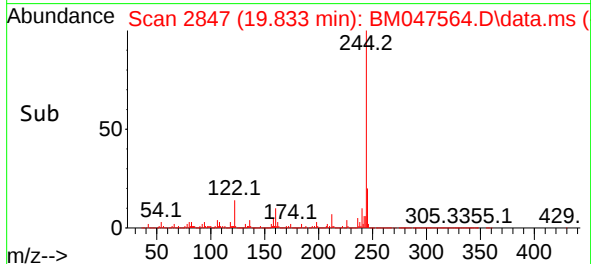
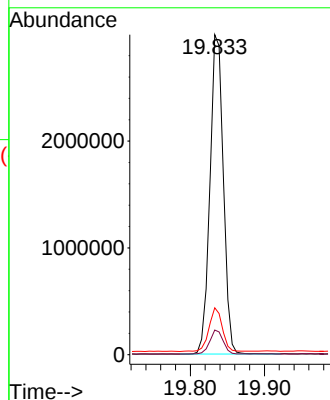
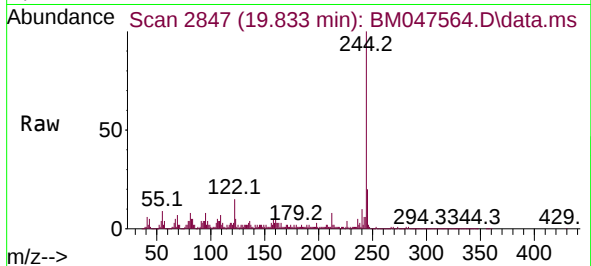




#79
 Terphenyl-d14
 Concen: 58.663 ng
 RT: 19.833 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM047564.D
 Acq: 18 Sep 2024 20:25

Instrument :
 BNA_M
 ClientSampleId :
 365-351-294

Tgt Ion:244 Resp: 3755453
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 14.6 9.6 14.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.480 min Scan# 3637
 Delta R.T. 0.012 min
 Lab File: BM047564.D
 Acq: 18 Sep 2024 20:25

Tgt Ion:264 Resp: 1205120
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.9 28.3
 265 22.2 17.4 26.2

