

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042425.D
 Acq On : 24 Oct 2023 18:30
 Operator : MA/JU
 Sample : 04977-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 24 19:38:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

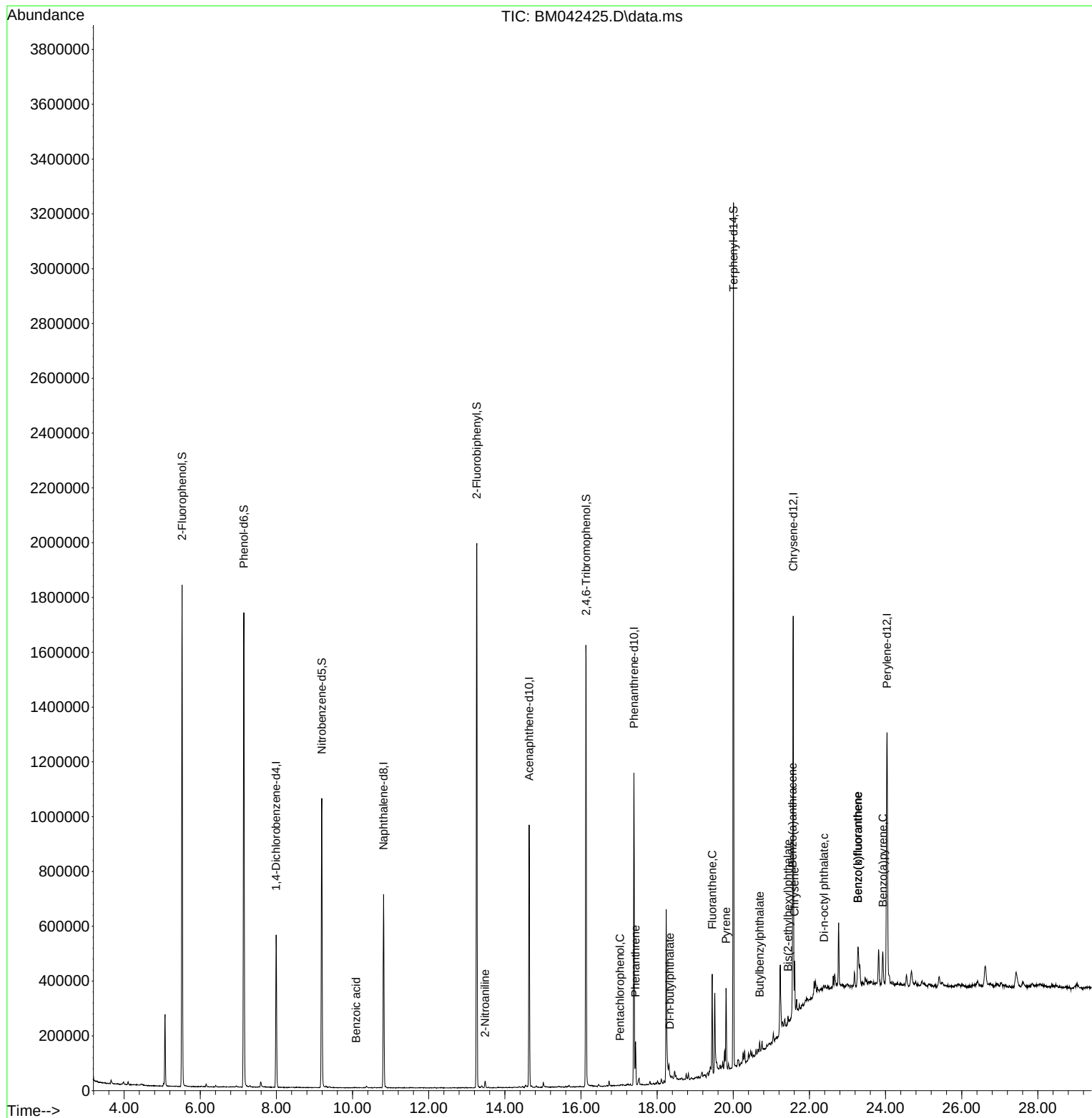
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	137071	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	546235	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	298150	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	638827	20.000	ng	0.00
76) Chrysene-d12	21.574	240	618791	20.000	ng	0.00
86) Perylene-d12	24.039	264	706165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	702446	72.428	ng	0.00
7) Phenol-d6	7.146	99	912414	70.201	ng	0.00
23) Nitrobenzene-d5	9.193	82	577956	46.787	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	260417	82.710	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	988334	44.639	ng	0.00
79) Terphenyl-d14	20.004	244	1389164	39.814	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.093	122	58	5.332	ng	# 1
48) 2-Nitroaniline	13.481	65	465	3.696	ng	# 13
70) Pentachlorophenol	17.022	266	303	6.039	ng	# 51
71) Phenanthrene	17.433	178	87664	2.523	ng	99
74) Di-n-butylphthalate	18.333	149	2100	2.866	ng	# 92
75) Fluoranthene	19.445	202	194467	5.081	ng	99
78) Pyrene	19.810	202	167069	3.864	ng	98
80) Butylbenzylphthalate	20.692	149	10849	3.774	ng	85
81) Benzo(a)anthracene	21.557	228	92941	2.240	ng	99
83) Chrysene	21.610	228	103027	2.586	ng	97
84) Bis(2-ethylhexyl)phtha...	21.439	149	8447	3.650	ng	# 92
85) Di-n-octyl phthalate	22.380	149	382	4.226	ng	# 1
88) Benzo(b)fluoranthene	23.274	252	133877	3.150	ng	99
89) Benzo(k)fluoranthene	23.274	252	133877	3.034	ng	99
90) Benzo(a)pyrene	23.927	252	87725	2.144	ng	98

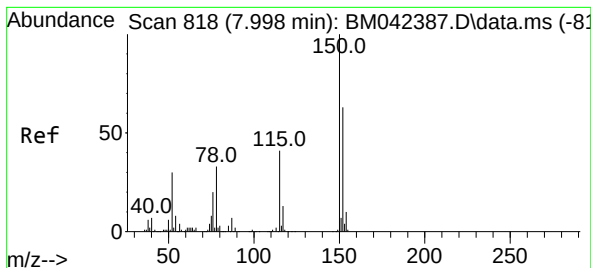
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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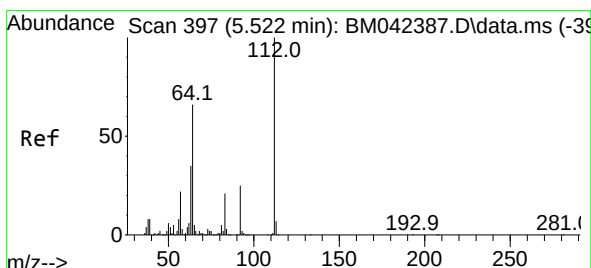
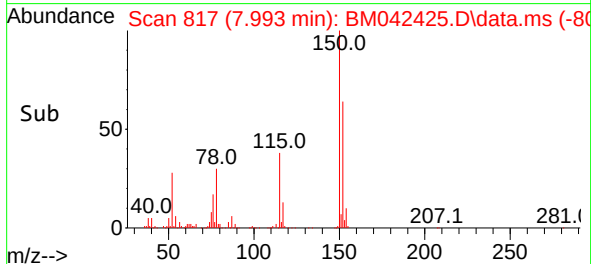
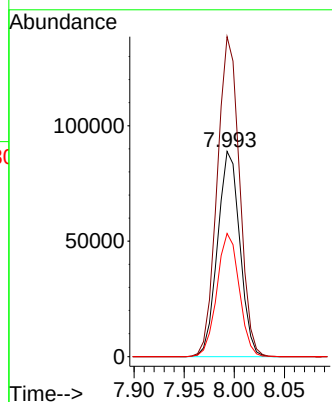
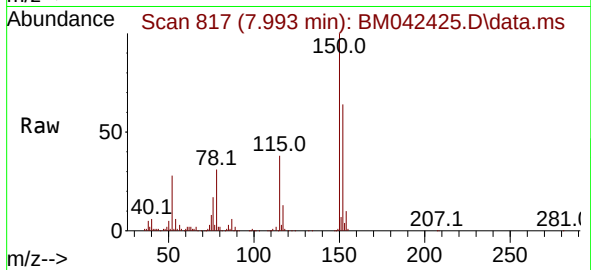




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.993 min Scan# 818
 Delta R.T. -0.005 min
 Lab File: BM042425.D
 Acq: 24 Oct 2023 18:30

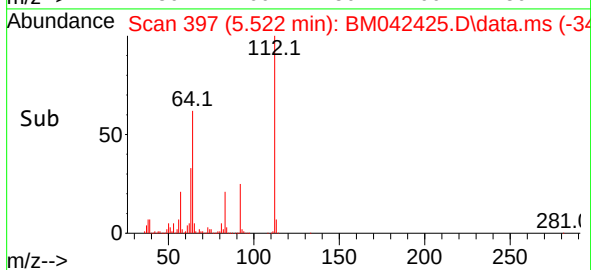
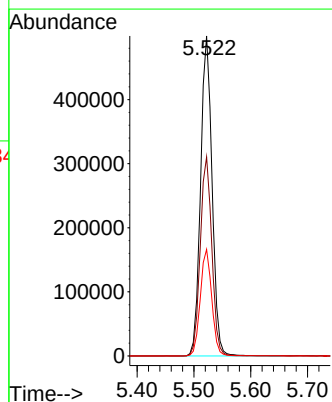
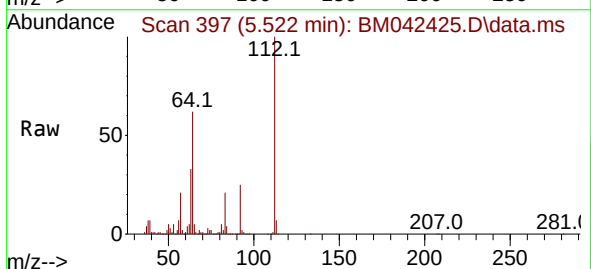
Instrument :
 BNA_M
 ClientSampleId :

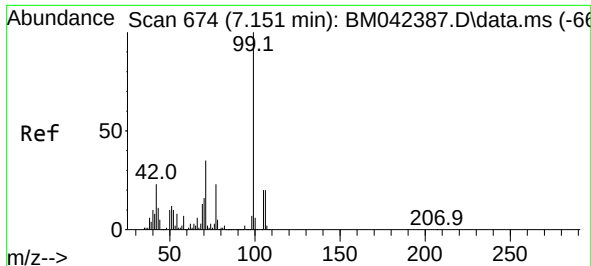
Tgt Ion:152 Resp: 137071
 Ion Ratio Lower Upper
 152 100
 150 155.9 126.2 189.4
 115 60.0 51.9 77.9



#5
 2-Fluorophenol
 Concen: 72.428 ng
 RT: 5.522 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: BM042425.D
 Acq: 24 Oct 2023 18:30

Tgt Ion:112 Resp: 702446
 Ion Ratio Lower Upper
 112 100
 64 62.2 52.7 79.1
 63 33.3 28.3 42.5

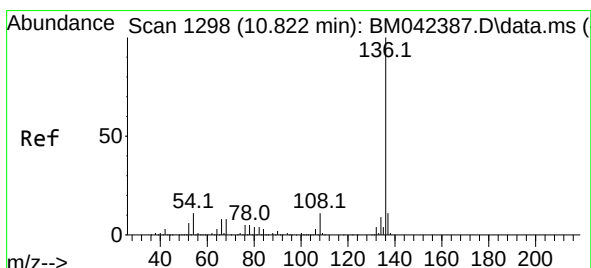
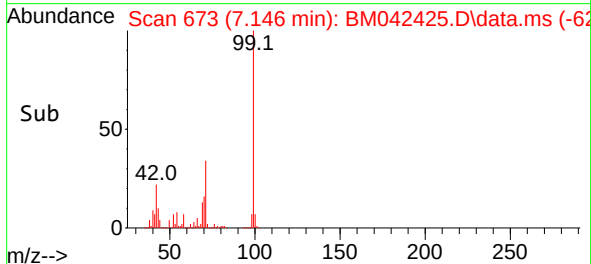
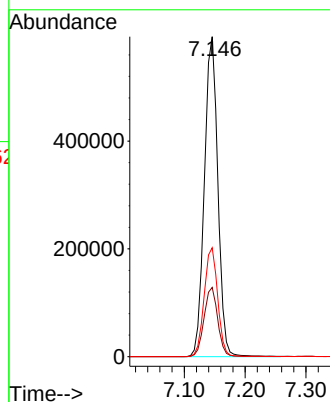
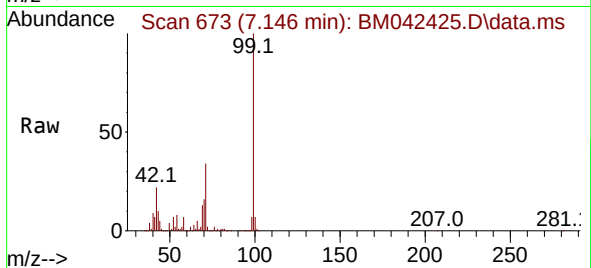




#7
Phenol-d6
Concen: 70.201 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

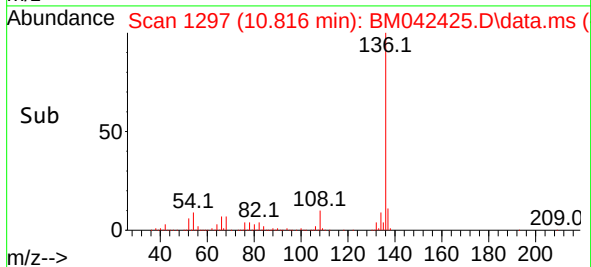
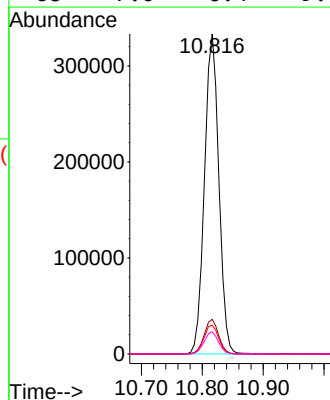
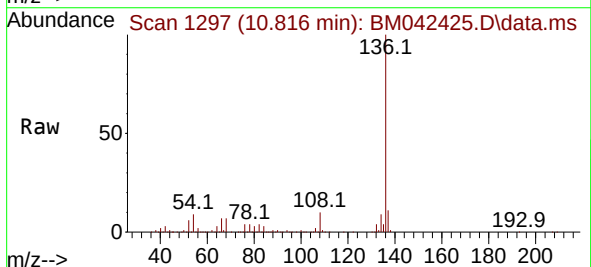
Instrument :
BNA_M
ClientSampleId :

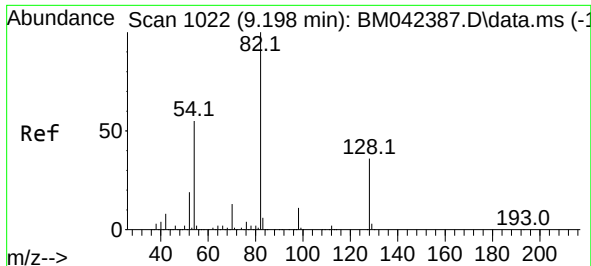
Tgt Ion: 99 Resp: 912414
Ion Ratio Lower Upper
99 100
42 21.7 18.5 27.7
71 34.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

Tgt Ion: 136 Resp: 546235
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 9.0 8.6 12.8
68 7.0 6.4 9.6

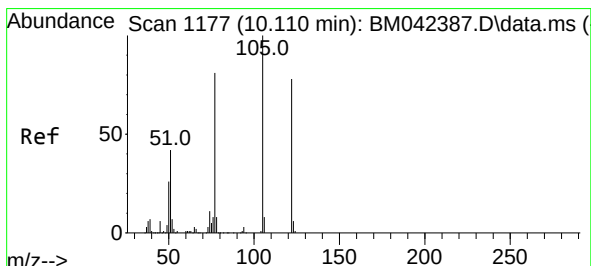
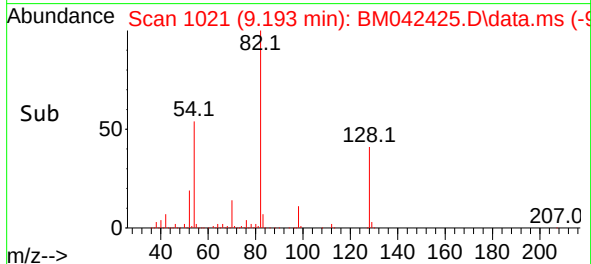
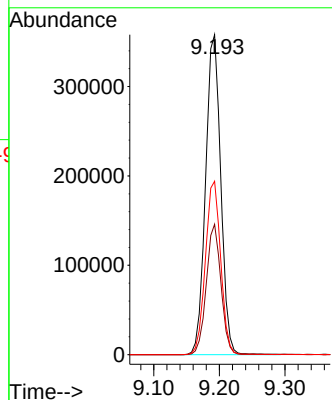
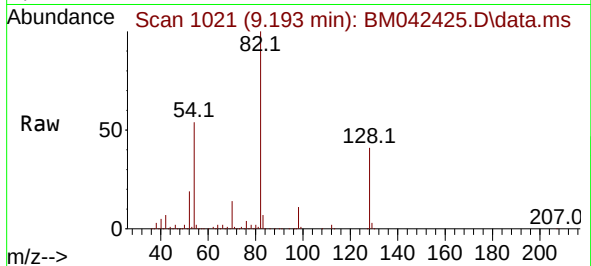




#23
Nitrobenzene-d5
Concen: 46.787 ng
RT: 9.193 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

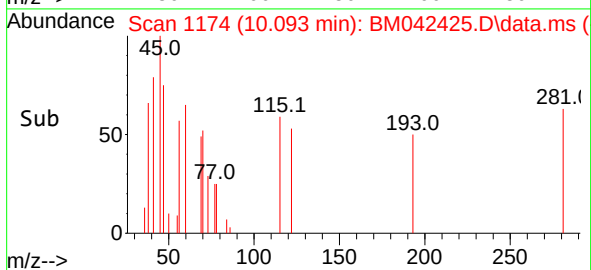
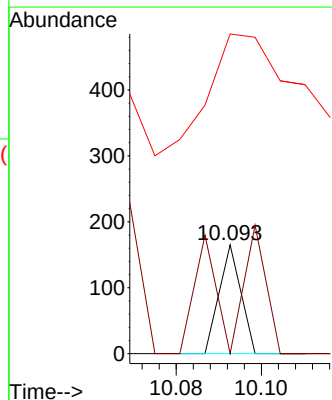
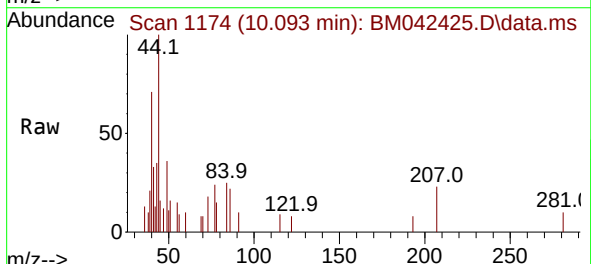
Instrument :
BNA_M
ClientSampleId :

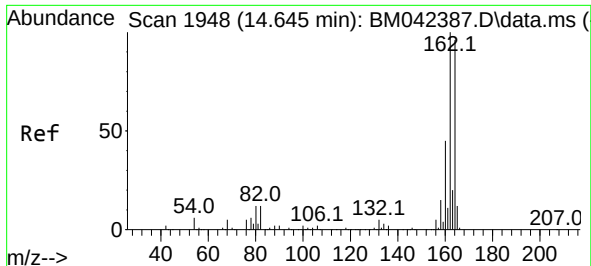
Tgt Ion: 82 Resp: 577956
Ion Ratio Lower Upper
82 100
128 40.8 29.0 43.6
54 54.2 43.7 65.5



#32
Benzoic acid
Concen: 5.332 ng
RT: 10.093 min Scan# 1174
Delta R.T. -0.017 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

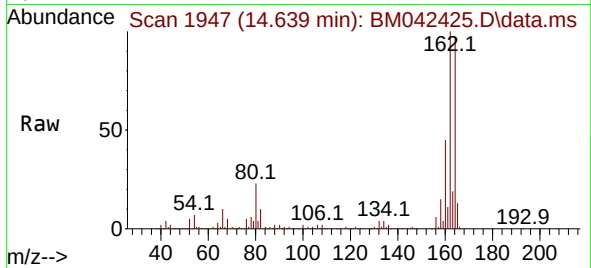
Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 0.0 104.9 144.9#
77 293.9 83.4 123.4#



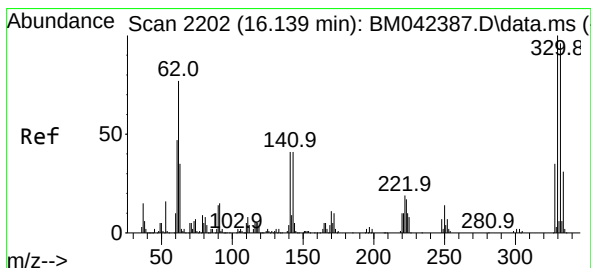
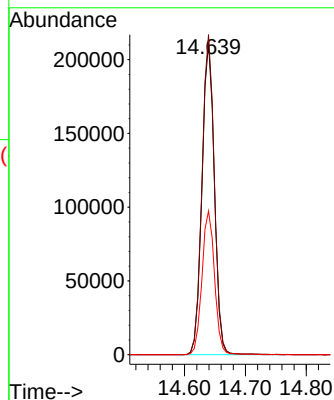
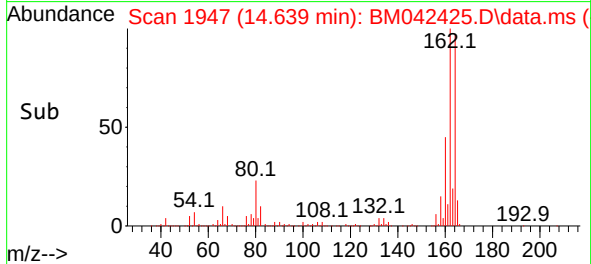


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

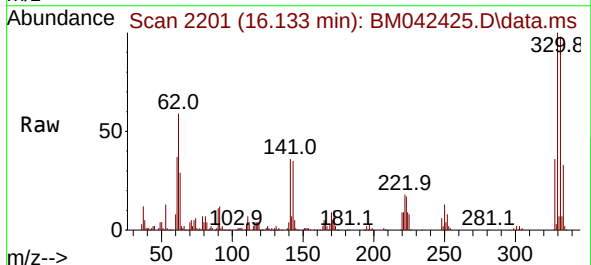
Instrument :
BNA_M
ClientSampleId :



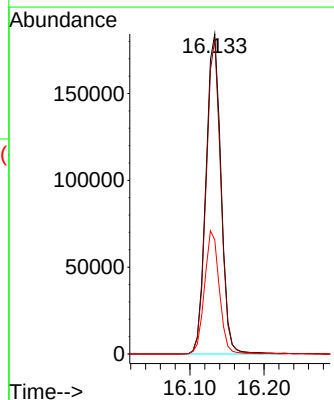
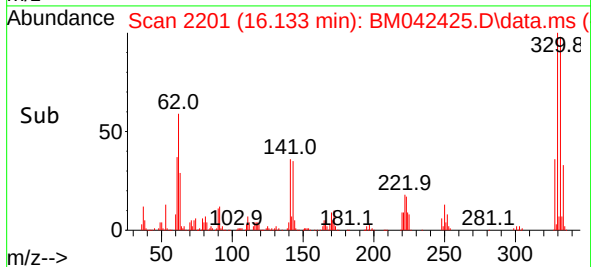
Tgt Ion:164 Resp: 298150
Ion Ratio Lower Upper
164 100
162 102.7 83.0 124.4
160 46.1 37.0 55.4

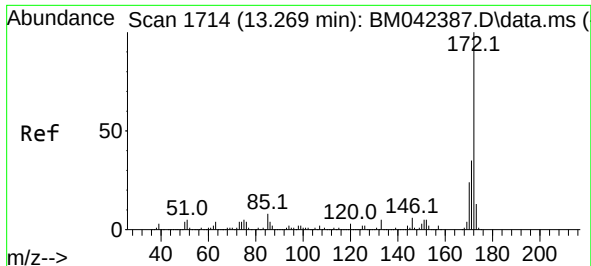


#42
2,4,6-Tribromophenol
Concen: 82.710 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30



Tgt Ion:330 Resp: 260417
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 37.7 38.0 57.0#

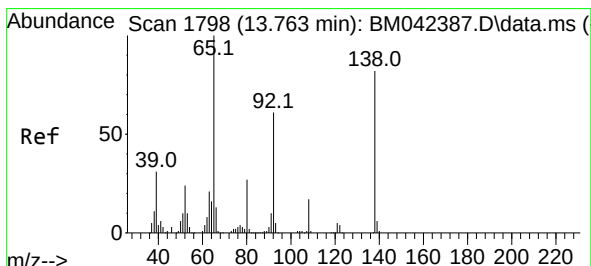
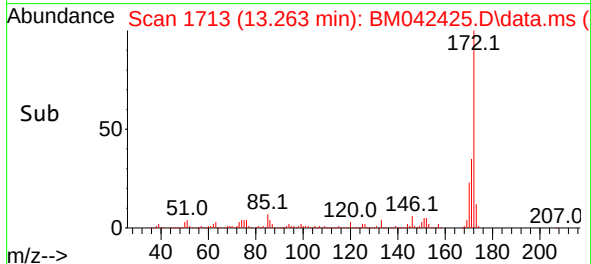
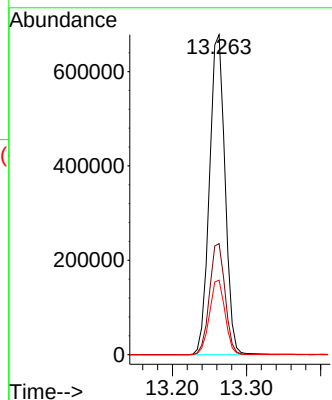
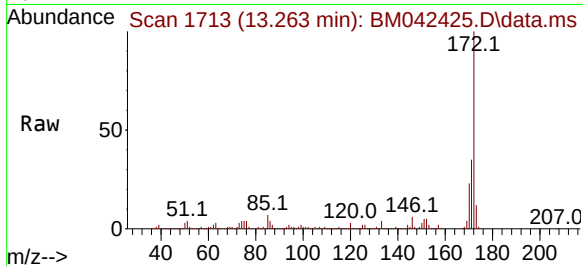




#45
2-Fluorobiphenyl
Concen: 44.639 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

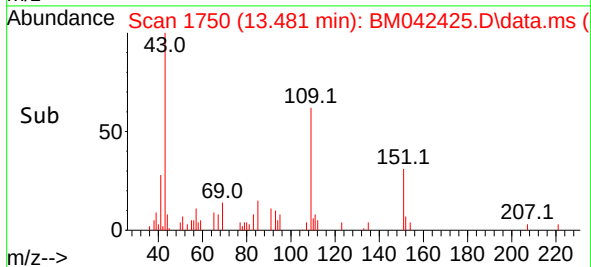
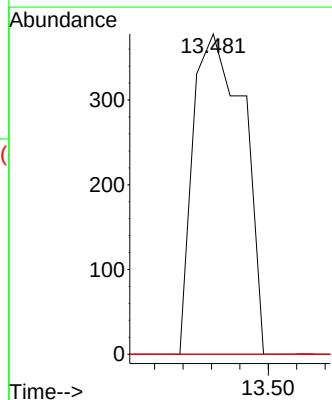
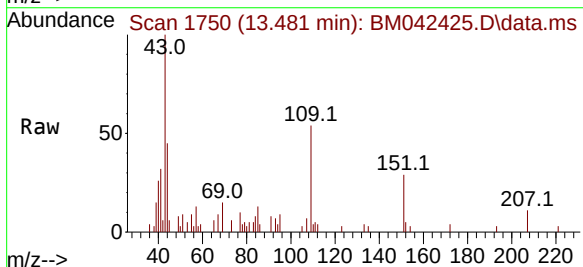
Instrument :
BNA_M
ClientSampleId :

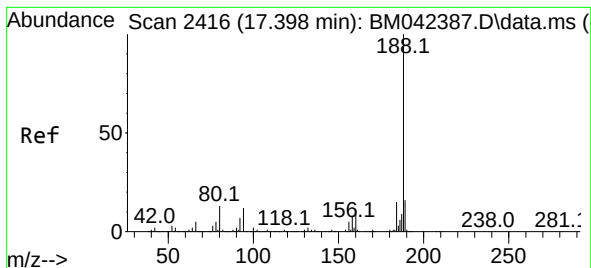
Tgt Ion:172 Resp: 988334
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.3 18.9 28.3



#48
2-Nitroaniline
Concen: 3.696 ng
RT: 13.481 min Scan# 1750
Delta R.T. -0.282 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

Tgt Ion: 65 Resp: 465
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.6#
138 0.0 65.5 98.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.392 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

Instrument :

BNA_M

ClientSampleId :

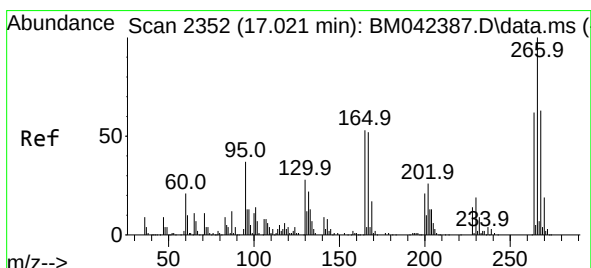
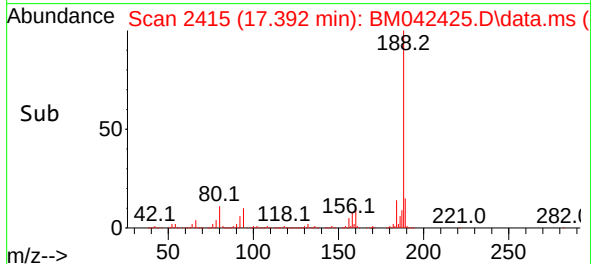
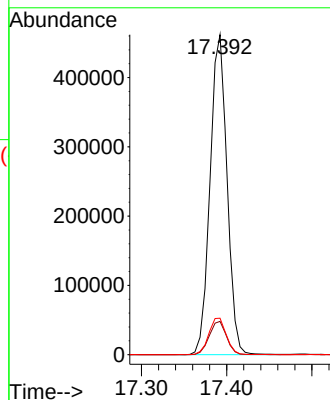
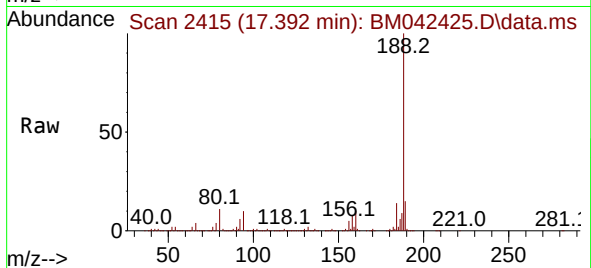
Tgt Ion:188 Resp: 638827

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.0

80 11.4 10.7 16.1



#70

Pentachlorophenol

Concen: 6.039 ng

RT: 17.022 min Scan# 2352

Delta R.T. 0.001 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

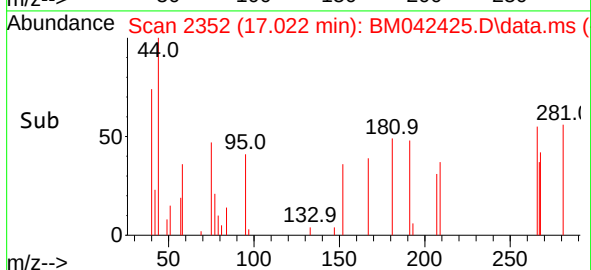
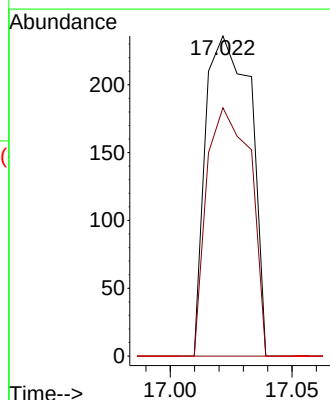
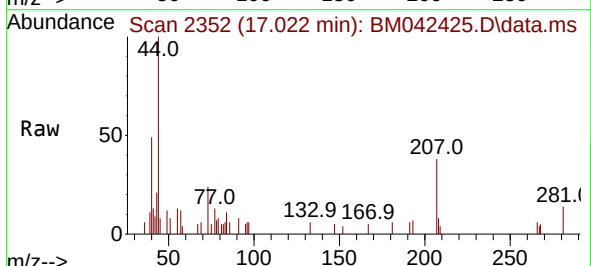
Tgt Ion:266 Resp: 303

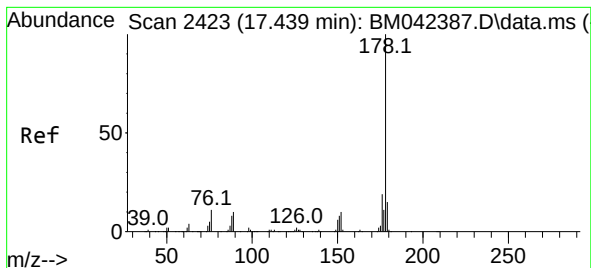
Ion Ratio Lower Upper

266 100

268 77.5 50.6 76.0#

264 0.0 49.4 74.0#





#71

Phenanthrene

Concen: 2.523 ng

RT: 17.433 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM042425.D

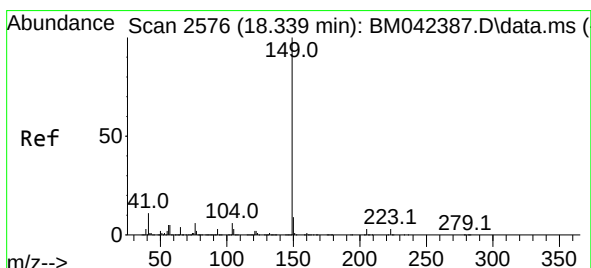
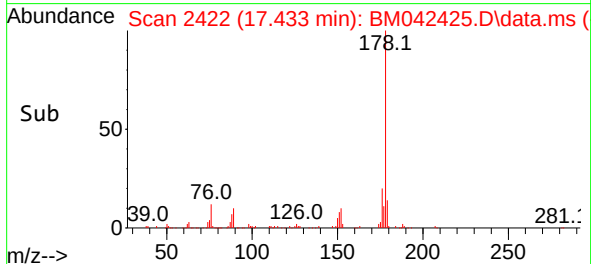
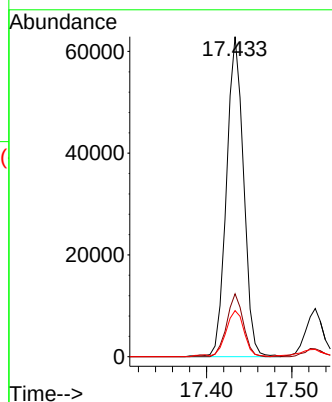
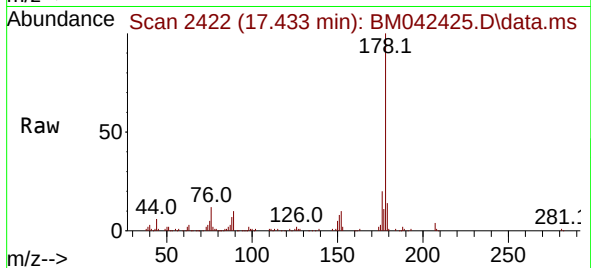
Acq: 24 Oct 2023 18:30

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:178	Resp:	87664
Ion Ratio	Lower	Upper
178	100	
176	19.7	15.4 23.2
179	14.4	12.3 18.5



#74

Di-n-butylphthalate

Concen: 2.866 ng

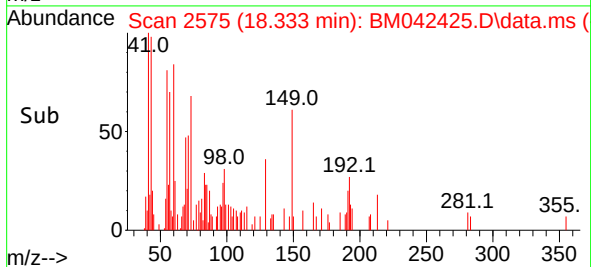
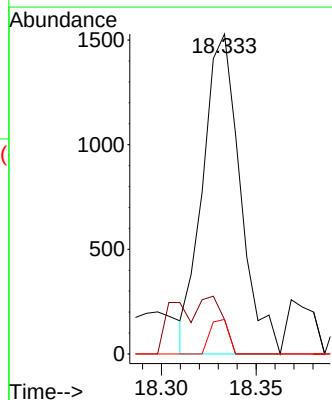
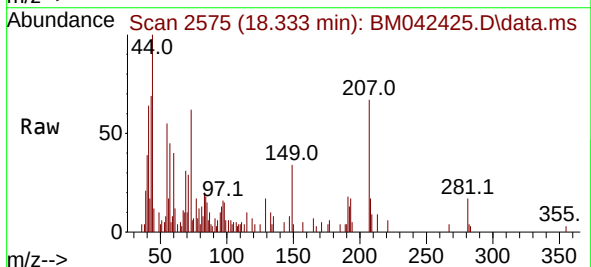
RT: 18.333 min Scan# 2575

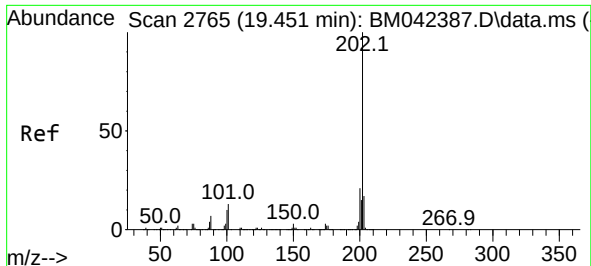
Delta R.T. -0.006 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

Tgt Ion:149	Resp:	2100
Ion Ratio	Lower	Upper
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150	10.7	7.4 11.0
104	10.8	4.6 7.0#

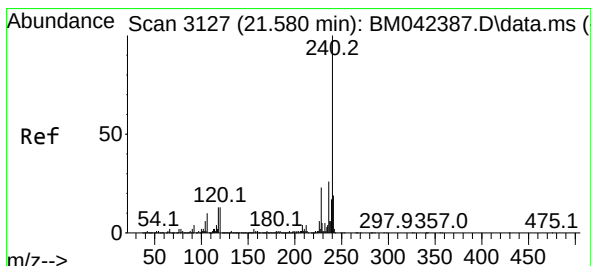
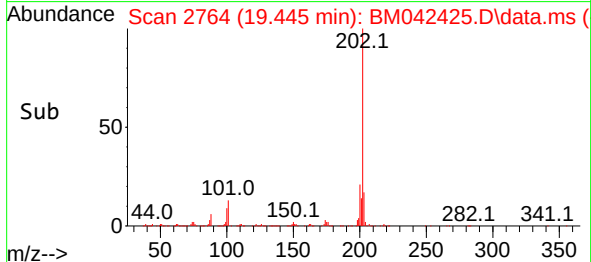
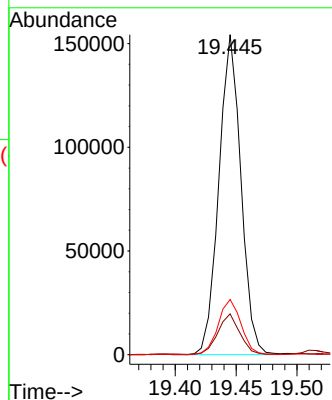
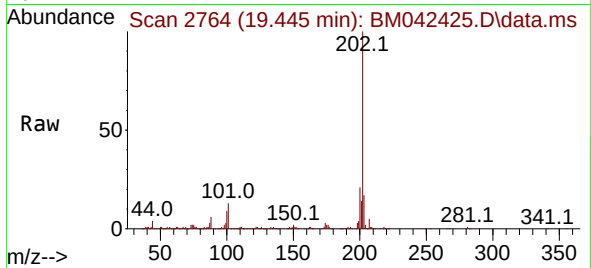




#75
Fluoranthene
Concen: 5.081 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

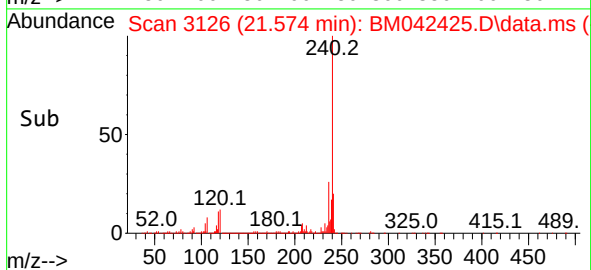
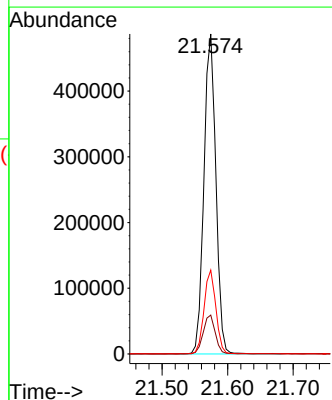
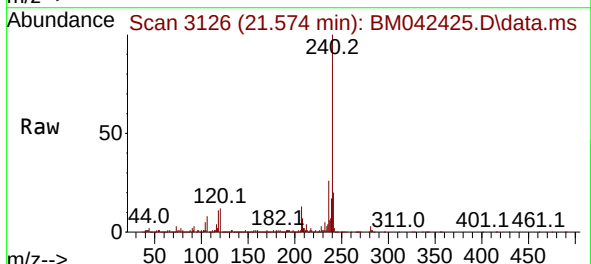
Instrument :
BNA_M
ClientSampleId :

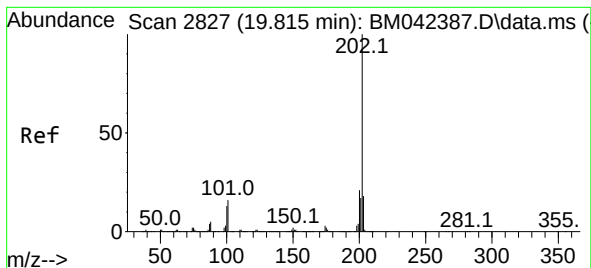
Tgt Ion:202 Resp: 194467
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.3
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

Tgt Ion:240 Resp: 618791
Ion Ratio Lower Upper
240 100
120 12.2 10.7 16.1
236 26.2 20.7 31.1





#78

Pyrene

Concen: 3.864 ng

RT: 19.810 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

Instrument :

BNA_M

ClientSampleId :

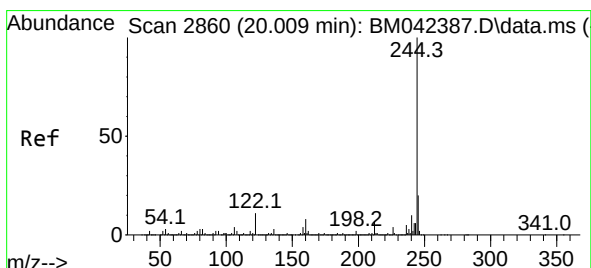
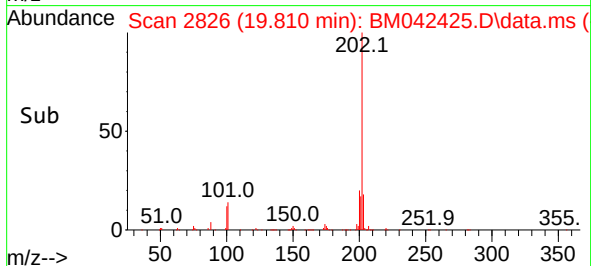
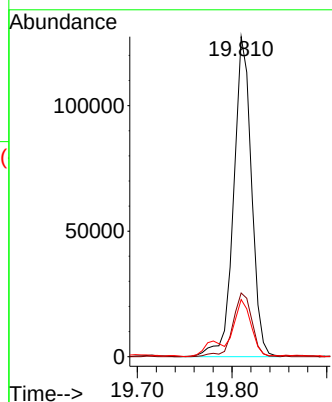
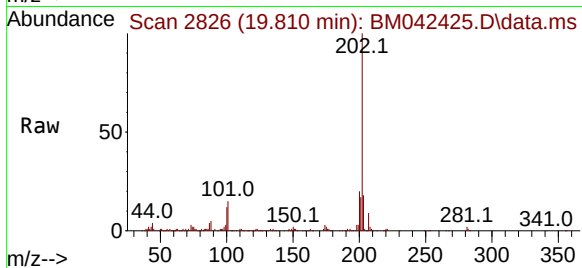
Tgt Ion:202 Resp: 167069

Ion Ratio Lower Upper

202 100

200 19.9 17.1 25.7

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 39.814 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.005 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

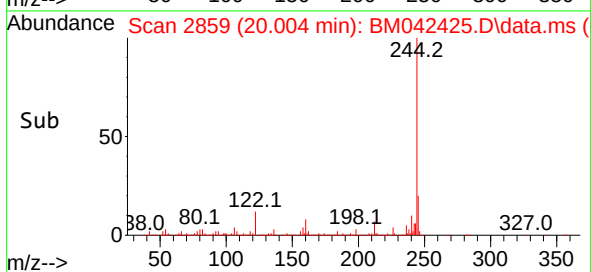
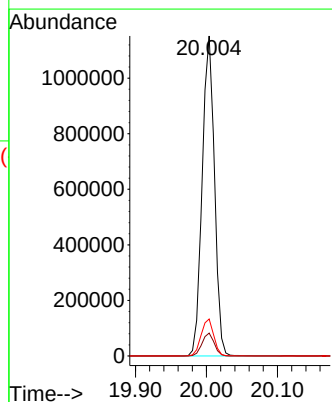
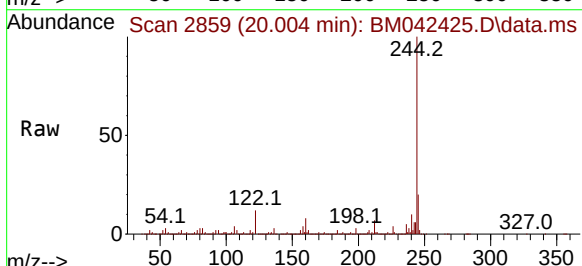
Tgt Ion:244 Resp: 1389164

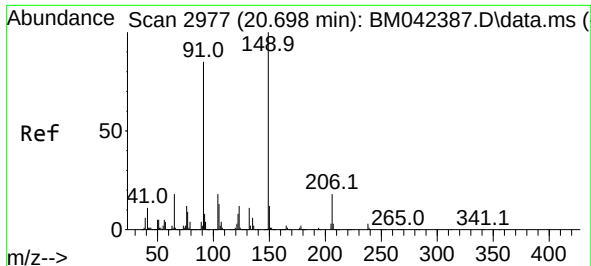
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 11.5 8.8 13.2

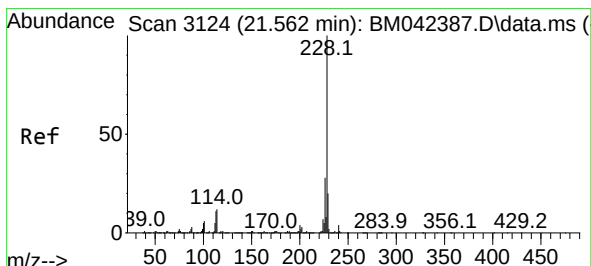
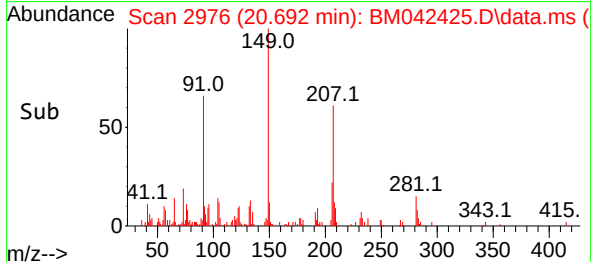
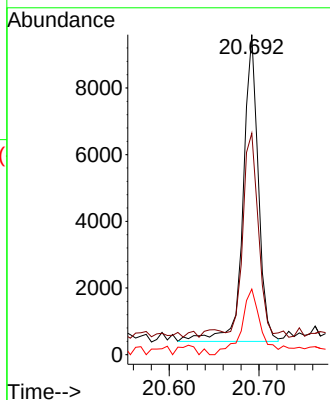
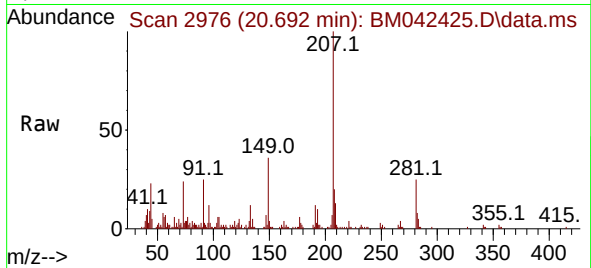




#80
Butylbenzylphthalate
Concen: 3.774 ng
RT: 20.692 min Scan# 2976
Delta R.T. -0.006 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

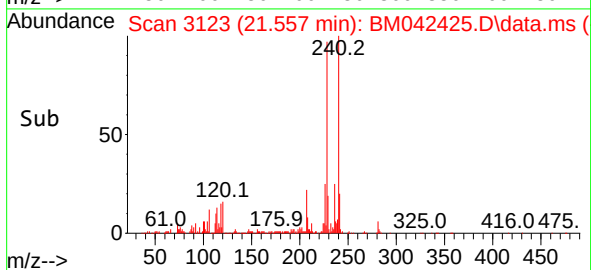
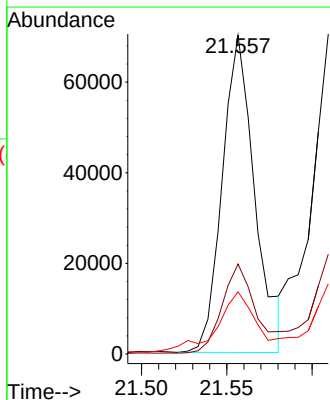
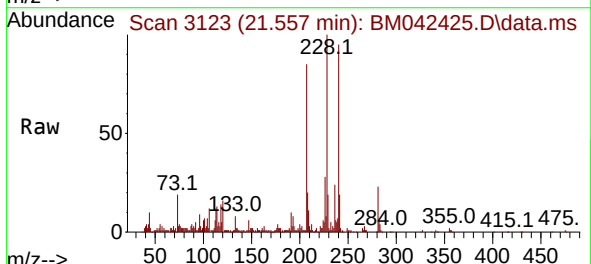
Instrument :
BNA_M
ClientSampleId :

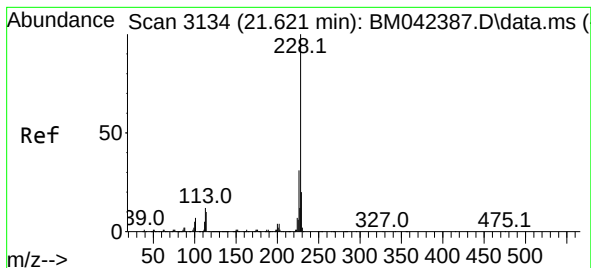
Tgt Ion:149 Resp: 10849
Ion Ratio Lower Upper
149 100
91 69.2 68.3 102.5
206 20.5 14.6 22.0



#81
Benzo(a)anthracene
Concen: 2.240 ng
RT: 21.557 min Scan# 3123
Delta R.T. -0.005 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

Tgt Ion:228 Resp: 92941
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.4
229 19.5 15.7 23.5





#83

Chrysene

Concen: 2.586 ng

RT: 21.610 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

Instrument :

BNA_M

ClientSampleId :

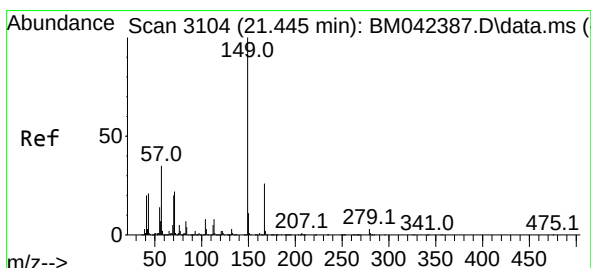
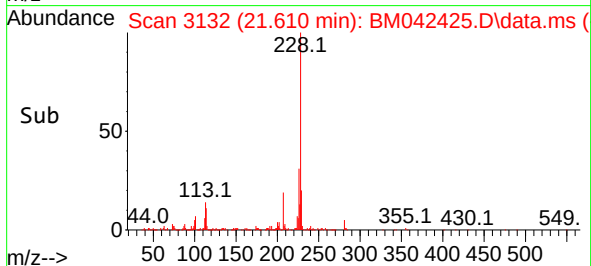
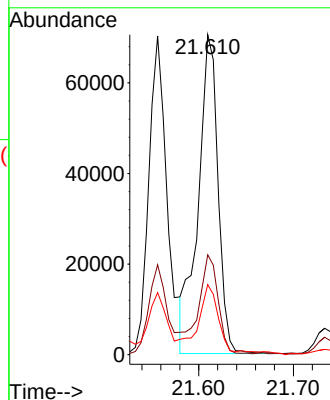
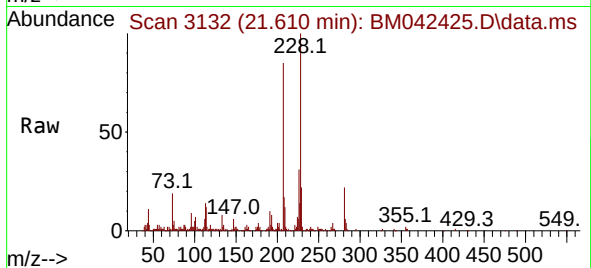
Tgt Ion:228 Resp: 103027

Ion Ratio Lower Upper

228 100

226 31.2 24.6 36.8

229 21.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.650 ng

RT: 21.439 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

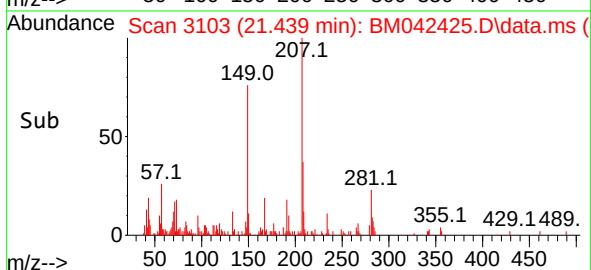
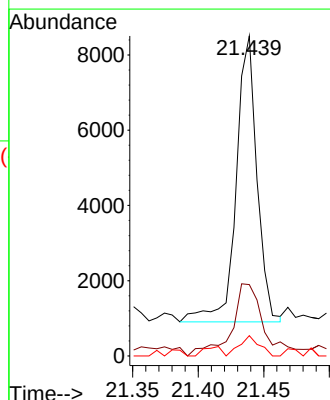
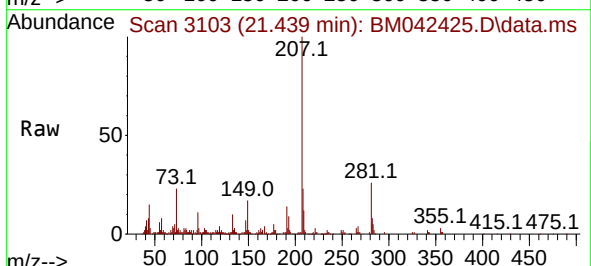
Tgt Ion:149 Resp: 8447

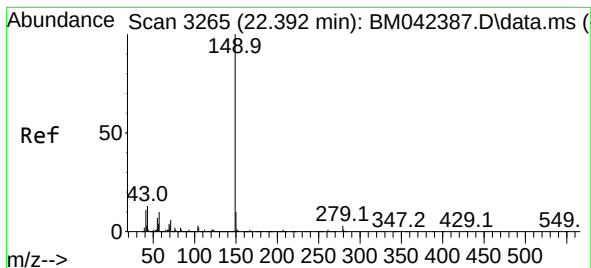
Ion Ratio Lower Upper

149 100

167 22.3 20.9 31.3

279 6.3 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 4.226 ng

RT: 22.380 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

Instrument :

BNA_M

ClientSampleId :

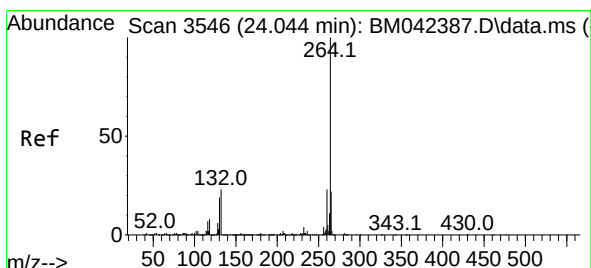
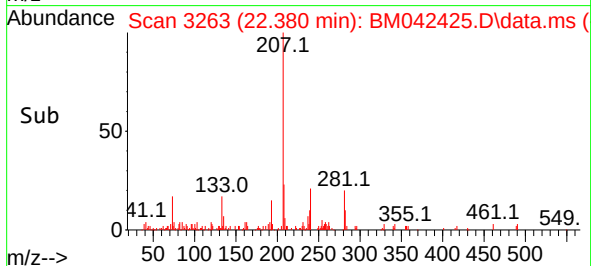
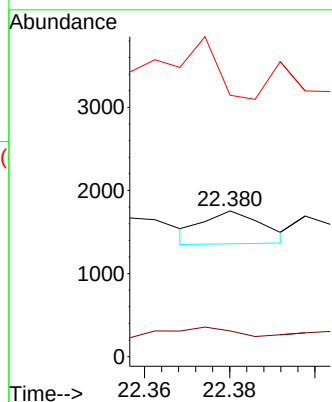
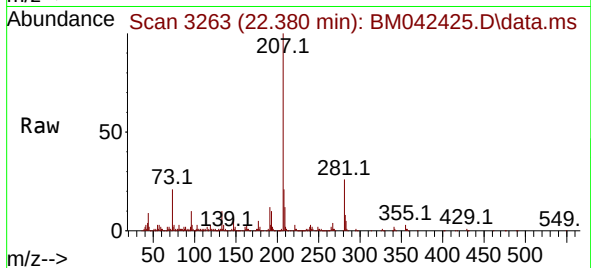
Tgt Ion:149 Resp: 382

Ion Ratio Lower Upper

149 100

167 36.1 1.2 1.8#

43 315.4 11.0 16.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.039 min Scan# 3545

Delta R.T. -0.006 min

Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

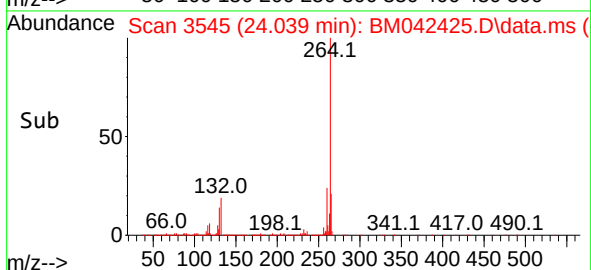
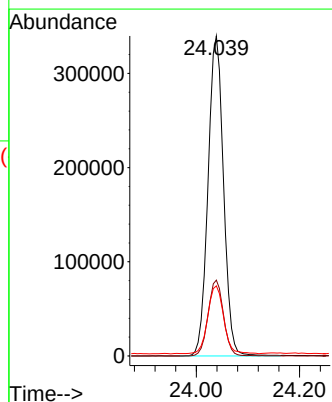
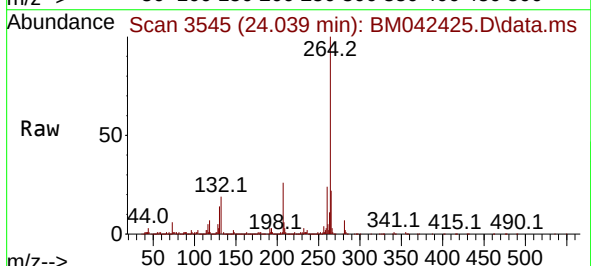
Tgt Ion:264 Resp: 706165

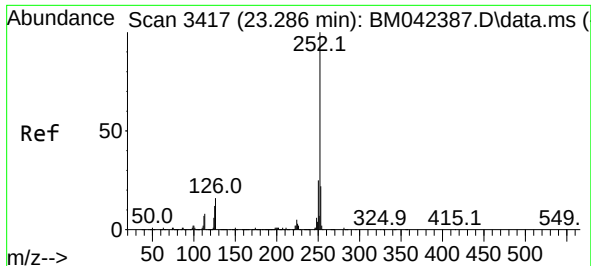
Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.9 17.8 26.8

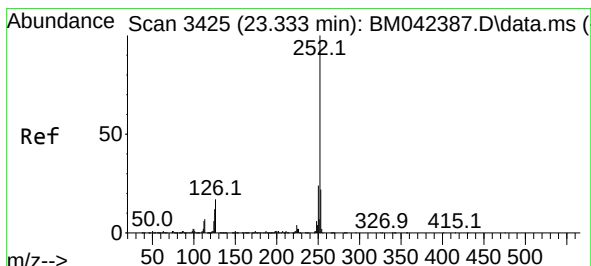
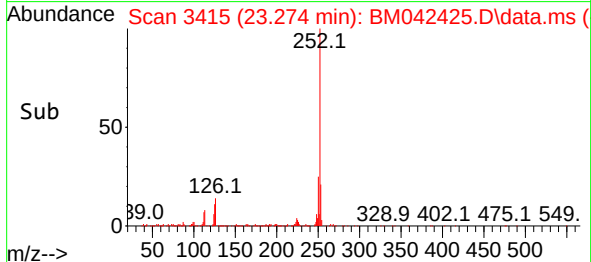
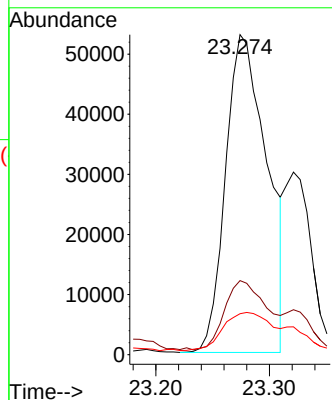
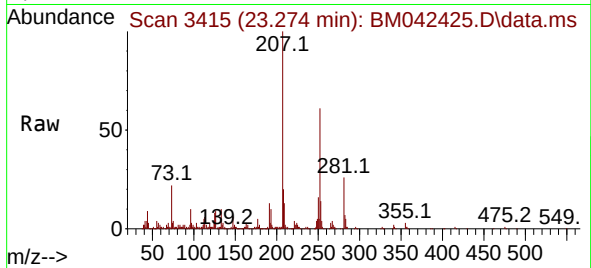




#88
Benzo(b)fluoranthene
Concen: 3.150 ng
RT: 23.274 min Scan# 3415
Delta R.T. -0.011 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

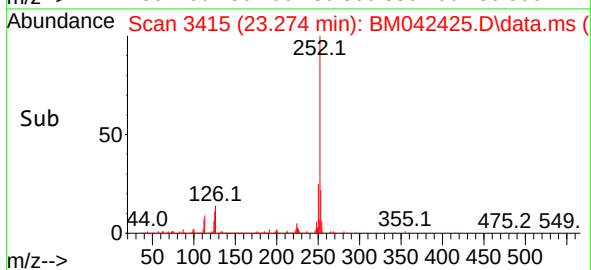
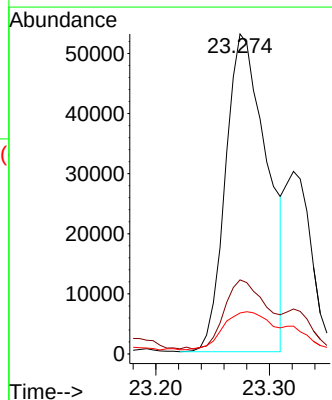
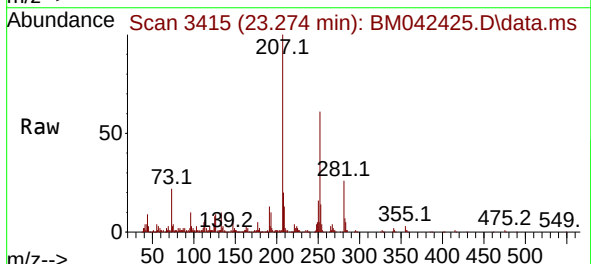
Instrument :
BNA_M
ClientSampleId :

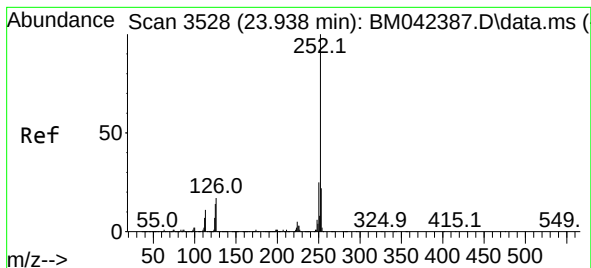
Tgt Ion:252 Resp: 133877
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 12.8 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.034 ng
RT: 23.274 min Scan# 3415
Delta R.T. -0.059 min
Lab File: BM042425.D
Acq: 24 Oct 2023 18:30

Tgt Ion:252 Resp: 133877
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 12.8 10.2 15.2





#90

Benzo(a)pyrene

Concen: 2.144 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.011 min

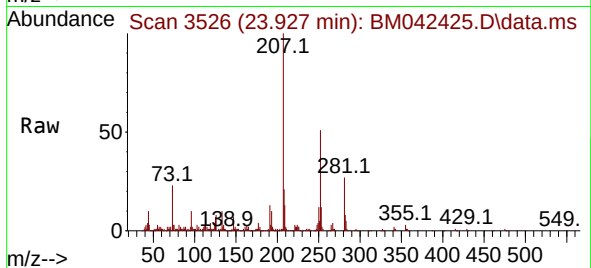
Lab File: BM042425.D

Acq: 24 Oct 2023 18:30

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:252 Resp: 87725

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 12.9 10.9 16.3

