

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042525\
 Data File : BP024424.D
 Acq On : 25 Apr 2025 15:49
 Operator : RC/JU
 Sample : Q1867-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ211

Quant Time: Apr 25 16:18:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

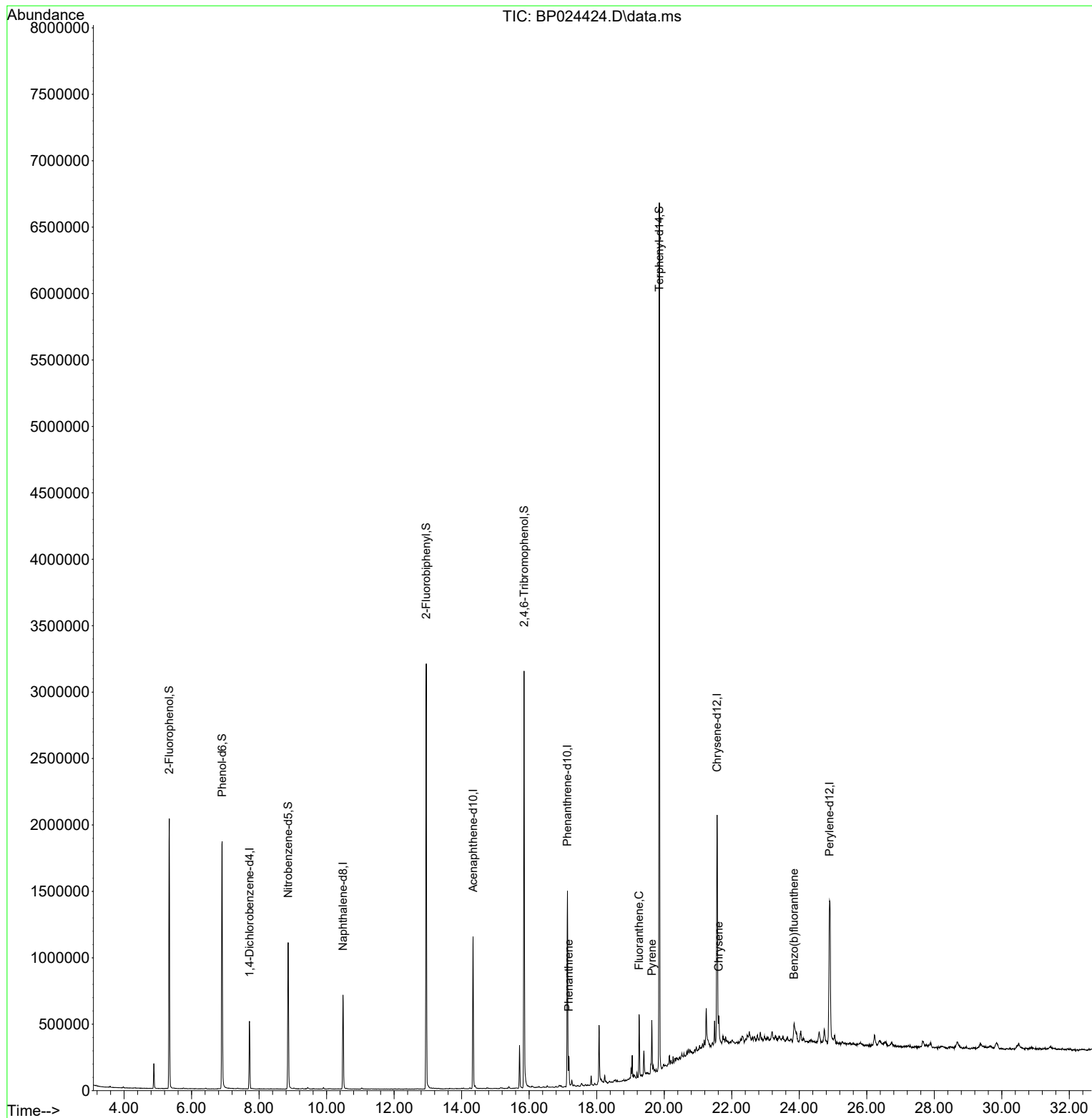
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	145553	20.000	ng	0.00
21) Naphthalene-d8	10.487	136	617102	20.000	ng	#-0.01
39) Acenaphthene-d10	14.340	164	406028	20.000	ng	-0.01
64) Phenanthrene-d10	17.134	188	896521	20.000	ng	-0.01
76) Chrysene-d12	21.563	240	1060288	20.000	ng	-0.03
86) Perylene-d12	24.898	264	1242000	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	881598	100.148	ng	0.00
7) Phenol-d6	6.905	99	1156382	95.936	ng	0.00
23) Nitrobenzene-d5	8.863	82	700347	64.713	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	668585	119.016	ng	-0.01
45) 2-Fluorobiphenyl	12.951	172	1633538	61.600	ng	-0.01
79) Terphenyl-d14	19.857	244	3364914	63.968	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.175	178	129759	2.653	ng	99
75) Fluoranthene	19.257	202	270407	4.649	ng	96
78) Pyrene	19.633	202	227401	3.375	ng	99
83) Chrysene	21.616	228	137439	2.177	ng	98
88) Benzo(b)fluoranthene	23.845	252	168328	2.261	ng	98

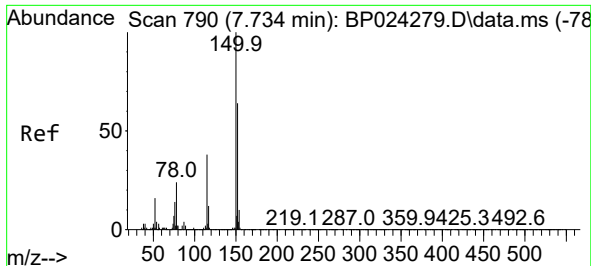
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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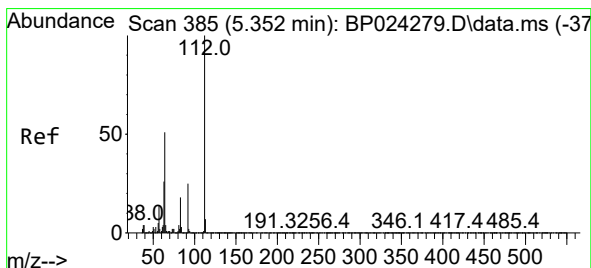
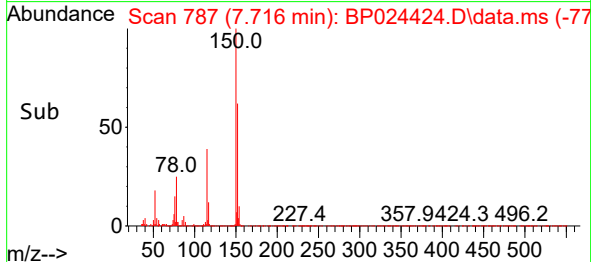
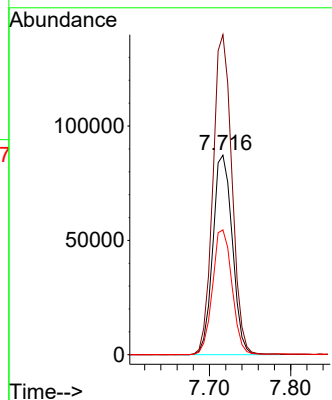
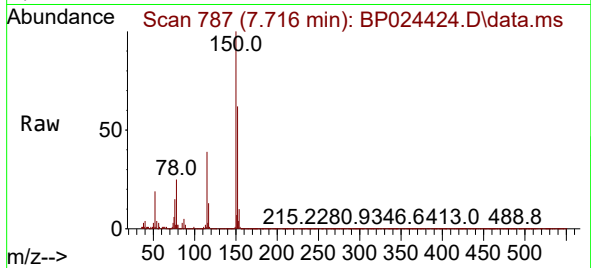




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

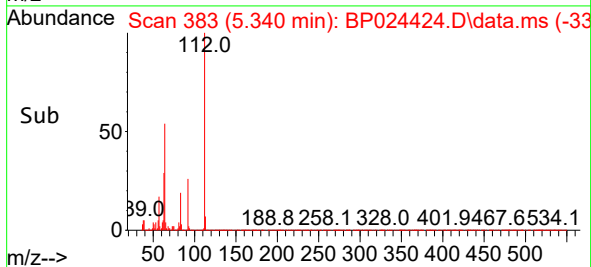
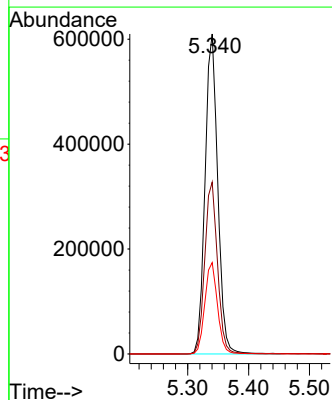
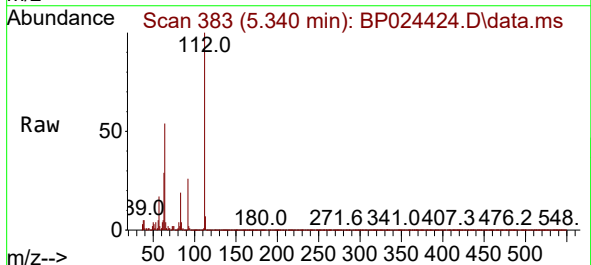
Instrument :
BNA_P
ClientSampleId :
VNJ211

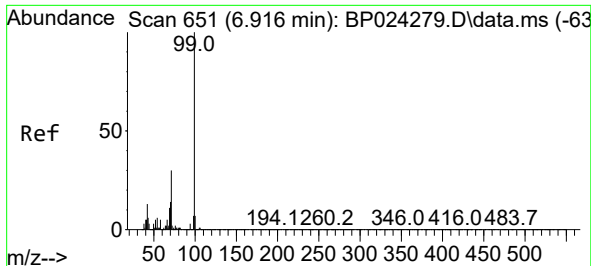
Tgt Ion:152 Resp: 145553
Ion Ratio Lower Upper
152 100
150 160.4 124.9 187.3
115 62.6 47.7 71.5



#5
2-Fluorophenol
Concen: 100.148 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

Tgt Ion:112 Resp: 881598
Ion Ratio Lower Upper
112 100
64 53.7 41.1 61.7
63 28.5 20.6 30.8

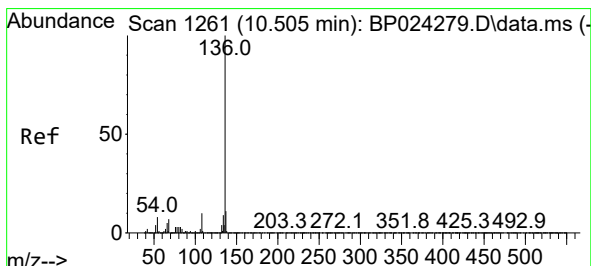
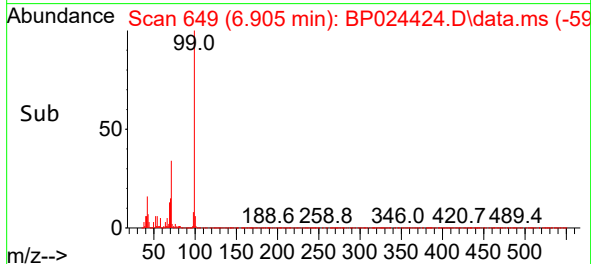
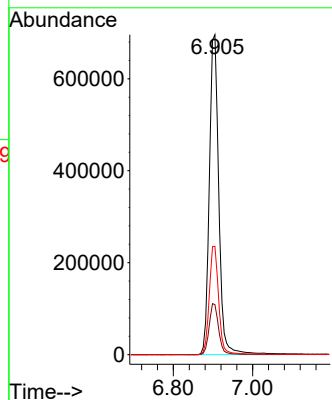
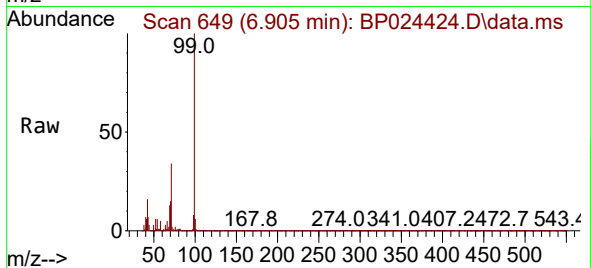




#7
Phenol-d6
Concen: 95.936 ng
RT: 6.905 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

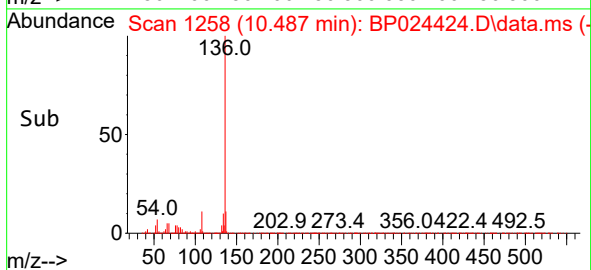
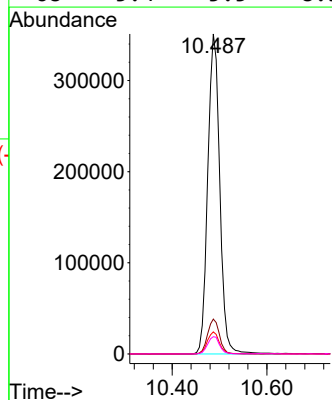
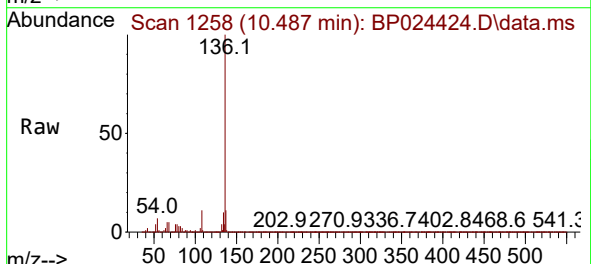
Instrument :
BNA_P
ClientSampleId :
VNJ211

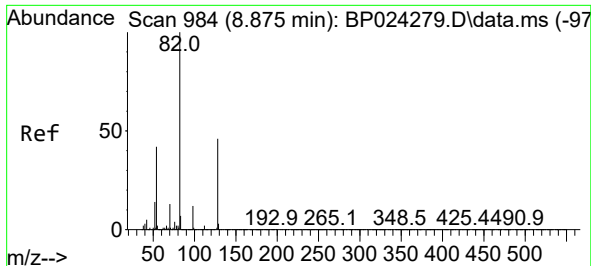
Tgt Ion: 99 Resp: 1156382
Ion Ratio Lower Upper
99 100
42 15.6 10.6 16.0
71 33.9 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

Tgt Ion: 136 Resp: 617102
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 6.9 6.0 9.0
68 5.4 5.5 8.3#

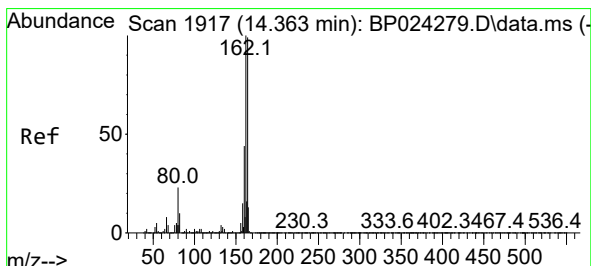
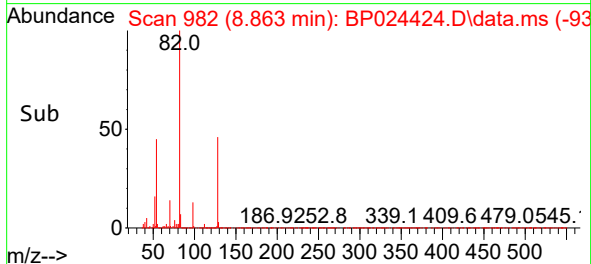
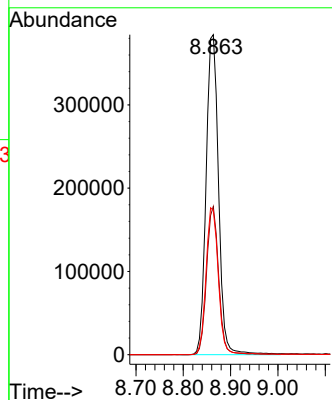
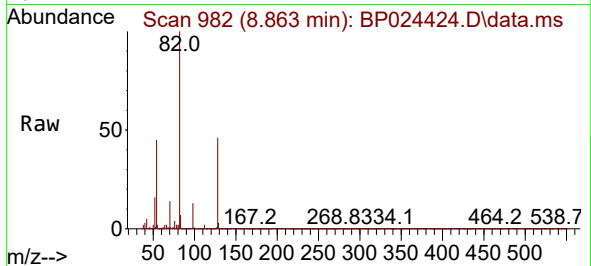




#23
Nitrobenzene-d5
Concen: 64.713 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

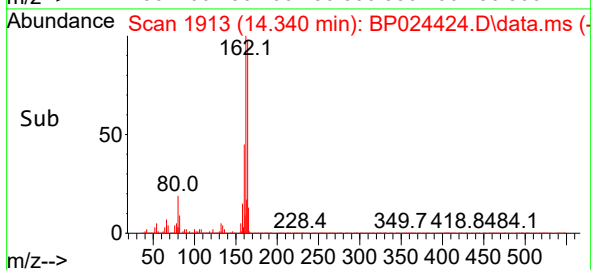
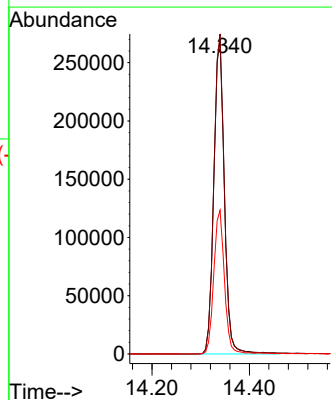
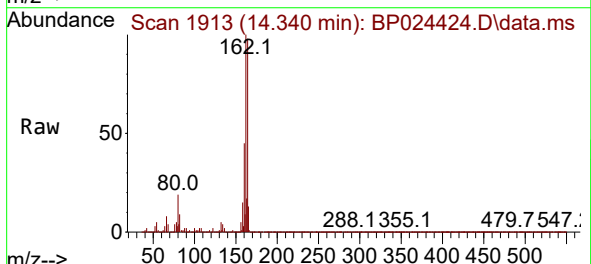
Instrument :
BNA_P
ClientSampleId :
VNJ211

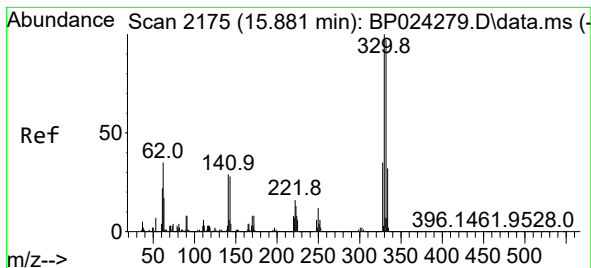
Tgt Ion: 82 Resp: 700347
Ion Ratio Lower Upper
82 100
128 46.3 36.5 54.7
54 45.0 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

Tgt Ion: 164 Resp: 406028
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 119.016 ng

RT: 15.851 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024424.D

Acq: 25 Apr 2025 15:49

Instrument :

BNA_P

ClientSampleId :

VNJ211

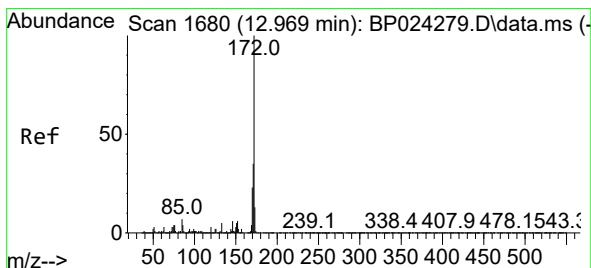
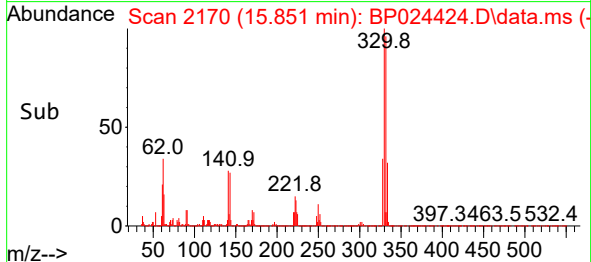
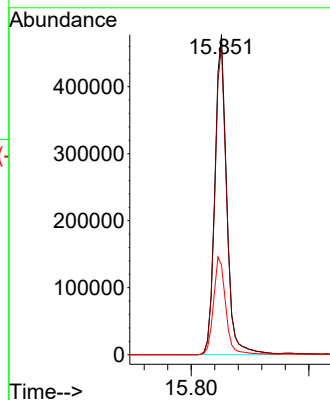
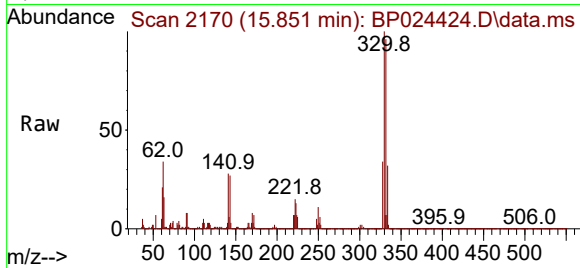
Tgt Ion:330 Resp: 668585

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 31.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 61.600 ng

RT: 12.951 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024424.D

Acq: 25 Apr 2025 15:49

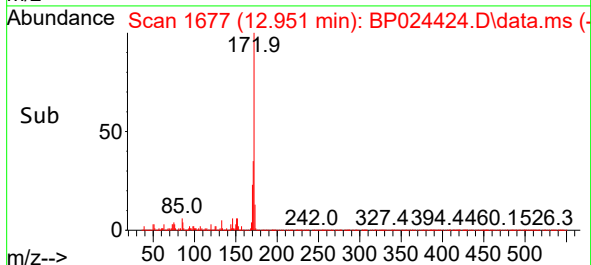
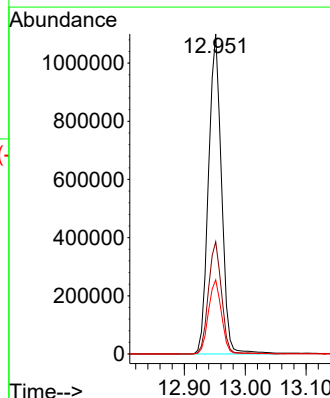
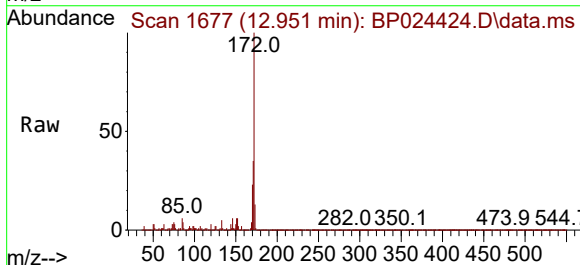
Tgt Ion:172 Resp: 1633538

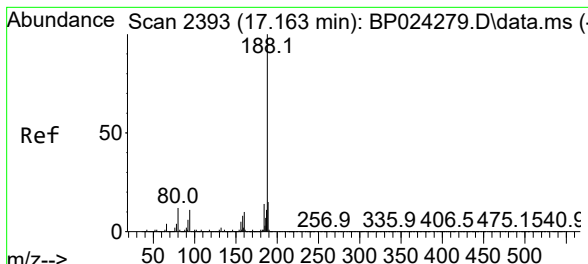
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.2 18.6 27.8

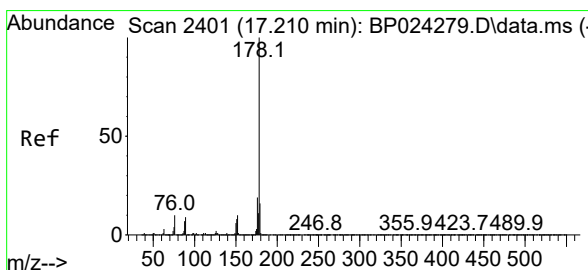
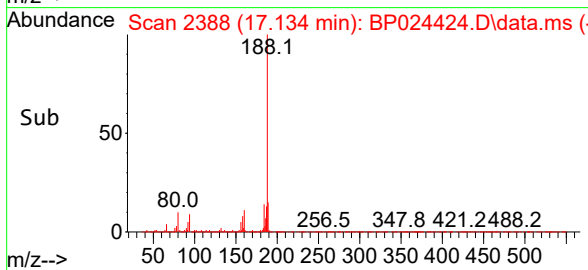
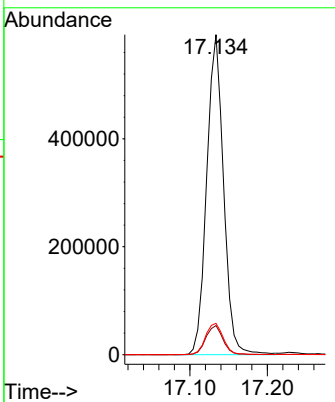
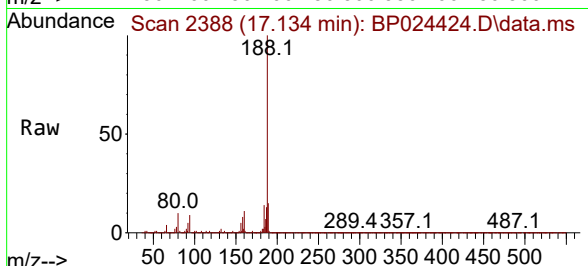




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.134 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP024424.D
 Acq: 25 Apr 2025 15:49

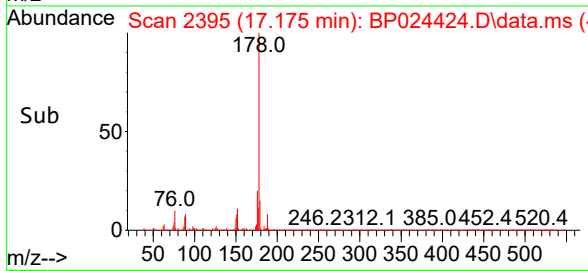
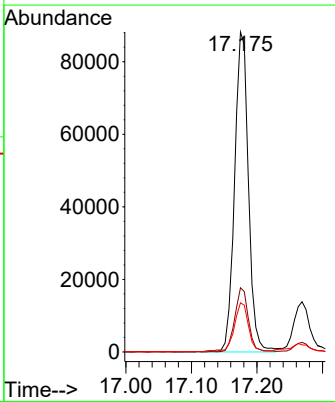
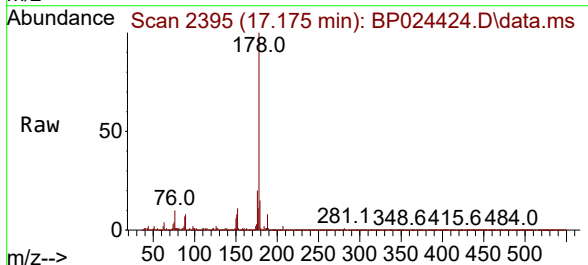
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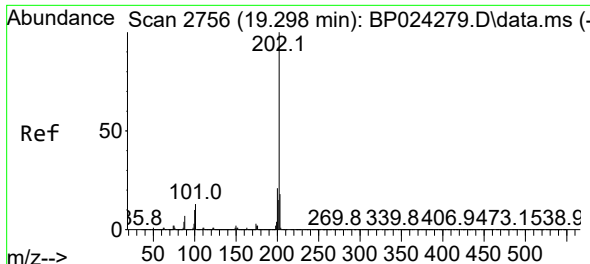
Tgt Ion:188	Resp:	896521
Ion Ratio	Lower	Upper
188	100	
94	9.1	8.6 13.0
80	9.8	9.8 14.6



#71
 Phenanthrene
 Concen: 2.653 ng
 RT: 17.175 min Scan# 2395
 Delta R.T. -0.018 min
 Lab File: BP024424.D
 Acq: 25 Apr 2025 15:49

Tgt Ion:178	Resp:	129759
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.4 23.0
179	15.4	12.5 18.7

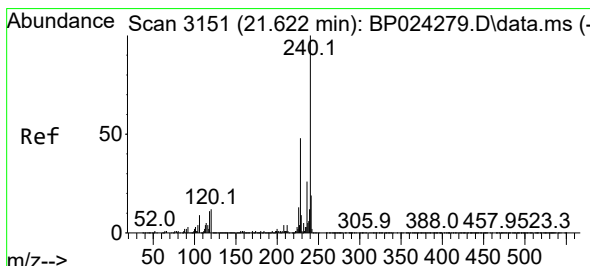
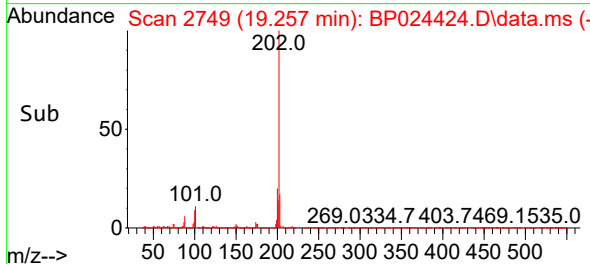
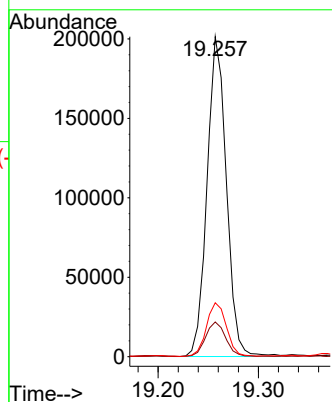
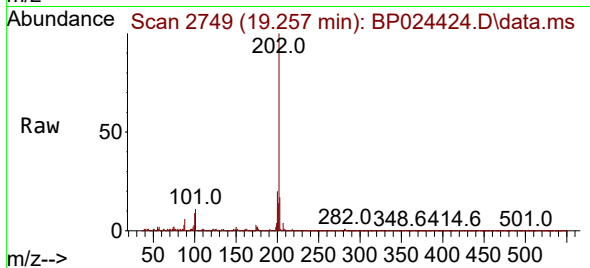




#75
Fluoranthene
Concen: 4.649 ng
RT: 19.257 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

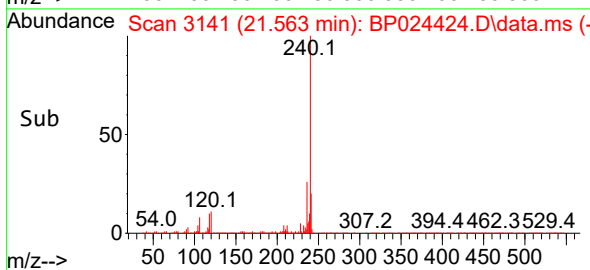
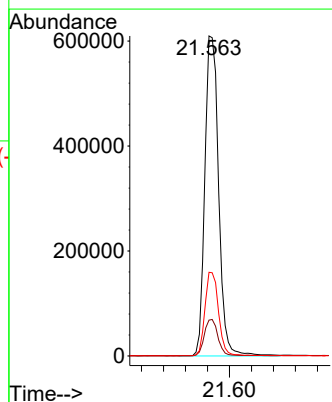
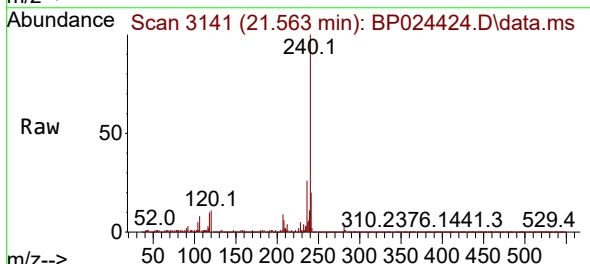
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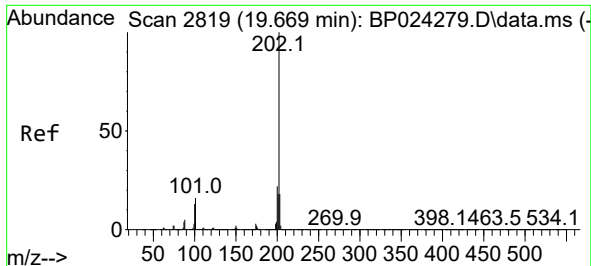
Tgt Ion:202 Resp: 270407
Ion Ratio Lower Upper
202 100
101 10.8 0.0 33.2
203 16.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 3141
Delta R.T. -0.029 min
Lab File: BP024424.D
Acq: 25 Apr 2025 15:49

Tgt Ion:240 Resp: 1060288
Ion Ratio Lower Upper
240 100
120 11.2 9.8 14.8
236 26.1 20.9 31.3

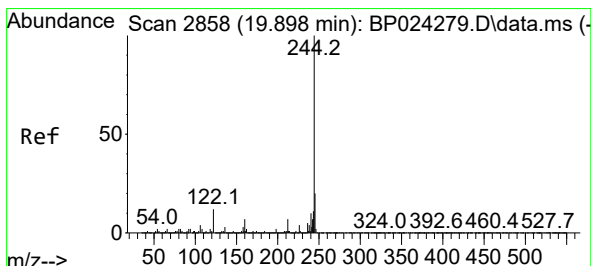
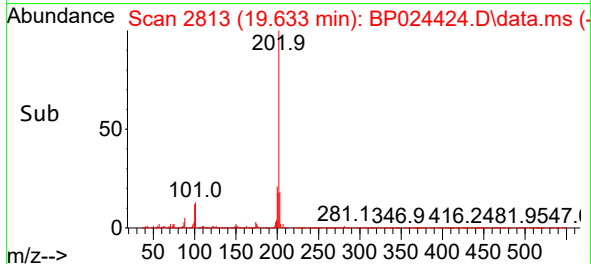
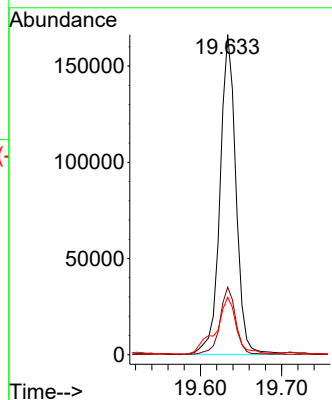
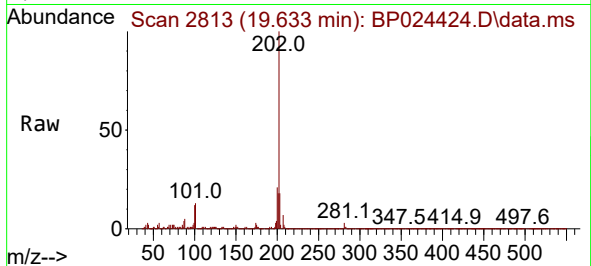




#78
 Pyrene
 Concen: 3.375 ng
 RT: 19.633 min Scan# 2813
 Delta R.T. -0.017 min
 Lab File: BP024424.D
 Acq: 25 Apr 2025 15:49

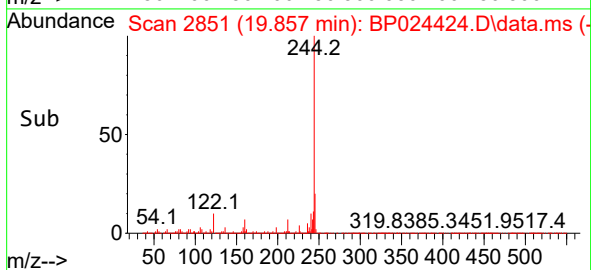
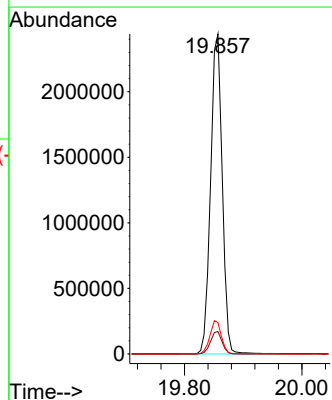
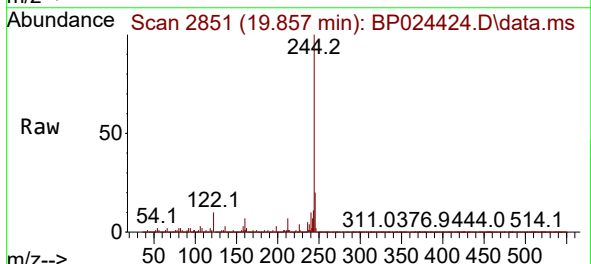
Instrument :
 BNA_P
 ClientSampleId :
 VNJ211

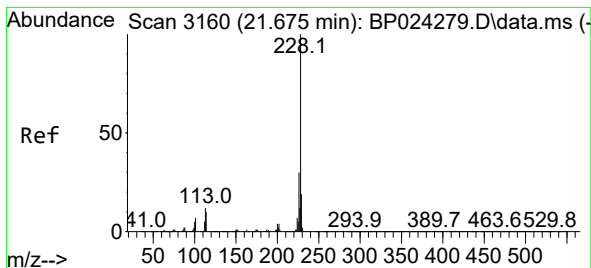
Tgt Ion:202 Resp: 227401
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.2 25.8
 203 17.9 14.4 21.6



#79
 Terphenyl-d14
 Concen: 63.968 ng
 RT: 19.857 min Scan# 2851
 Delta R.T. -0.017 min
 Lab File: BP024424.D
 Acq: 25 Apr 2025 15:49

Tgt Ion:244 Resp: 3364914
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 9.8 9.4 14.0





#83

Chrysene

Concen: 2.177 ng

RT: 21.616 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP024424.D

Acq: 25 Apr 2025 15:49

Instrument :

BNA_P

ClientSampleId :

VNJ211

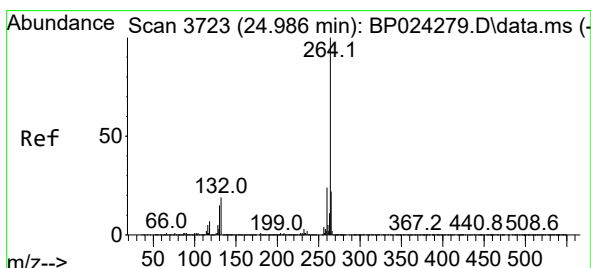
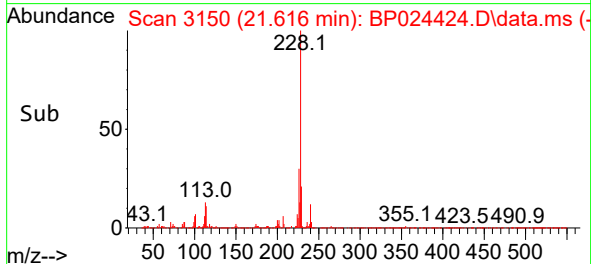
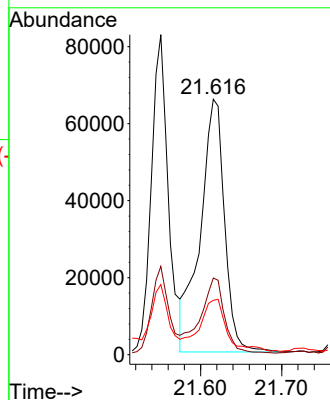
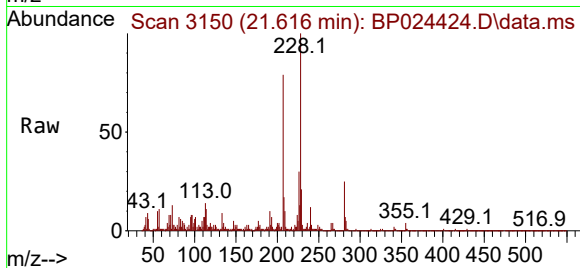
Tgt Ion:228 Resp: 137439

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

229 21.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.898 min Scan# 3708

Delta R.T. -0.035 min

Lab File: BP024424.D

Acq: 25 Apr 2025 15:49

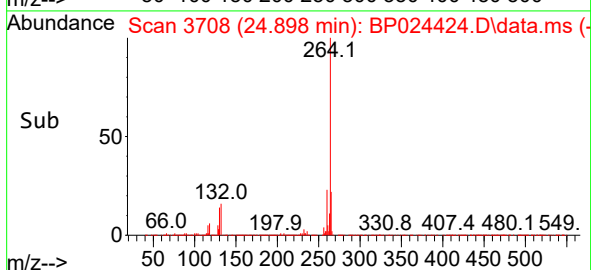
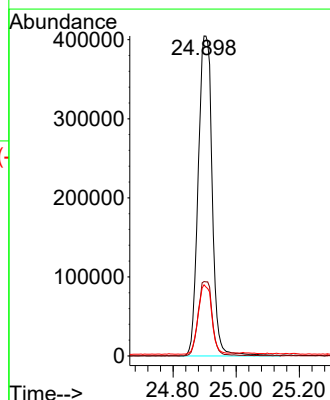
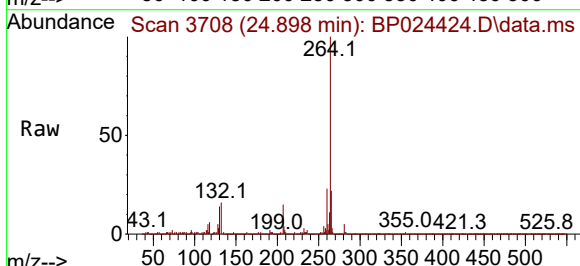
Tgt Ion:264 Resp: 1242000

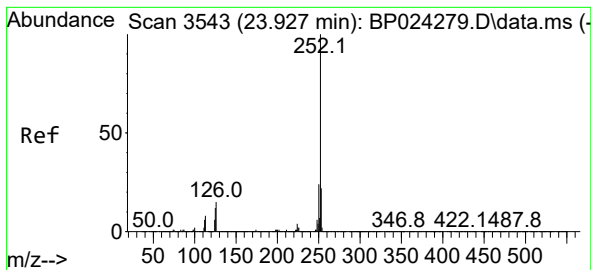
Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 22.3 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 2.261 ng

RT: 23.845 min Scan# 3

Delta R.T. -0.041 min

Lab File: BP024424.D

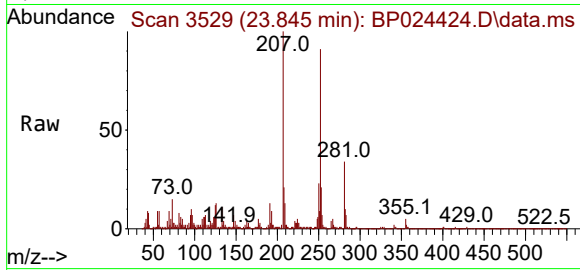
Acq: 25 Apr 2025 15:49

Instrument :

BNA_P

ClientSampleId :

VNJ211



Tgt Ion:252 Resp: 168328

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 13.7 9.4 14.0

