

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024647.D
 Acq On : 15 May 2025 21:25
 Operator : RC/JU
 Sample : Q1982-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-9

Quant Time: May 16 01:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

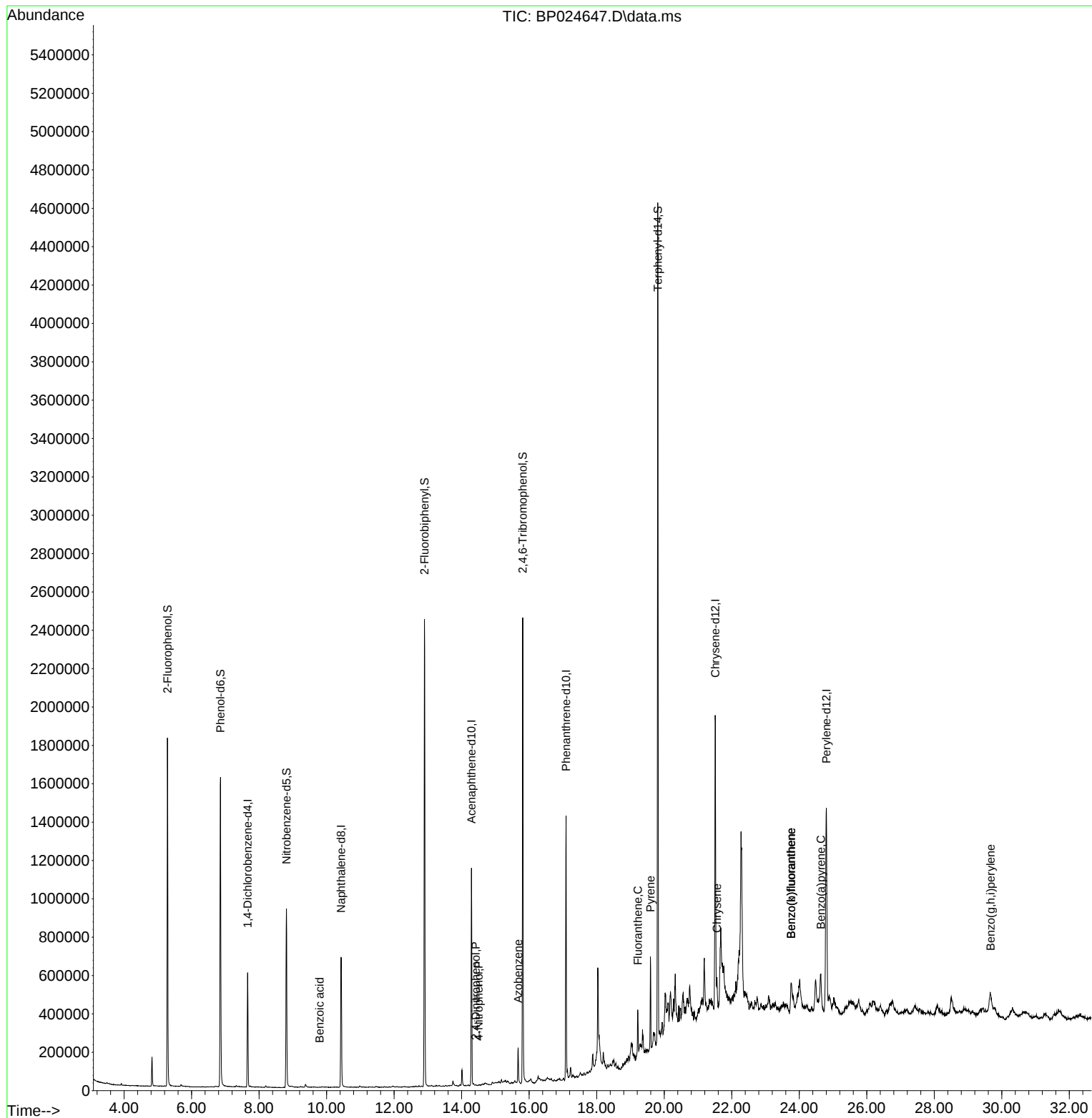
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	165553	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	643582	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	391444	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	756008	20.000	ng	0.00
76) Chrysene-d12	21.516	240	888340	20.000	ng	0.00
86) Perylene-d12	24.804	264	1083555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	783475	80.943	ng	0.00
7) Phenol-d6	6.857	99	986855	79.884	ng	0.00
23) Nitrobenzene-d5	8.810	82	566935	44.509	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	511425	77.067	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1330245	44.522	ng	0.00
79) Terphenyl-d14	19.810	244	2178084	42.042	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.793	122	484	7.529	ng	# 26
54) 2,4-Dinitrophenol	14.422	184	25	6.407	ng	# 1
56) 4-Nitrophenol	14.504	139	120	4.255	ng	# 23
63) Azobenzene	15.675	77	51937	2.013	ng	# 1
75) Fluoranthene	19.216	202	139697	2.844	ng	98
78) Pyrene	19.592	202	297430	5.588	ng	98
83) Chrysene	21.563	228	111239	2.104	ng	98
88) Benzo(b)fluoranthene	23.757	252	203807	3.286	ng	97
89) Benzo(k)fluoranthene	23.757	252	203807	3.189	ng	# 97
90) Benzo(a)pyrene	24.639	252	202656	3.402	ng	97
92) Benzo(g,h,i)perylene	29.668	276	182303	2.849	ng	98

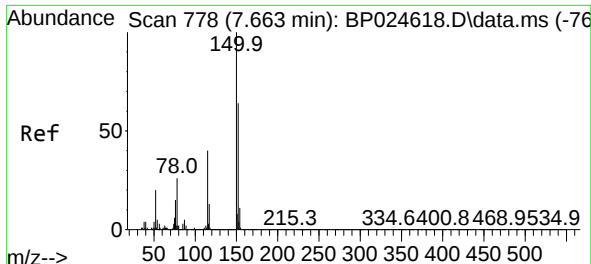
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
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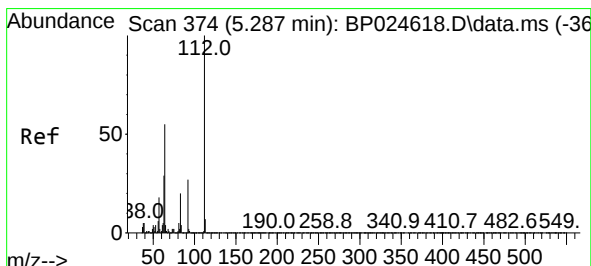
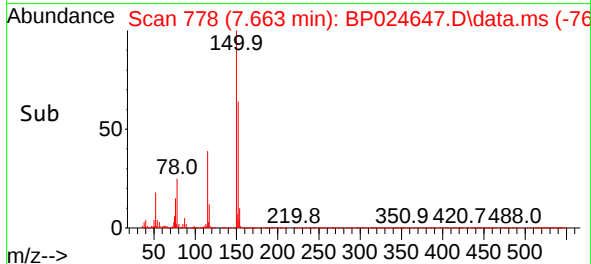
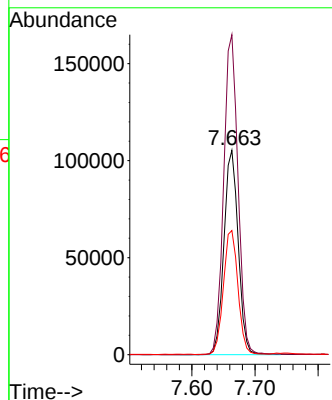
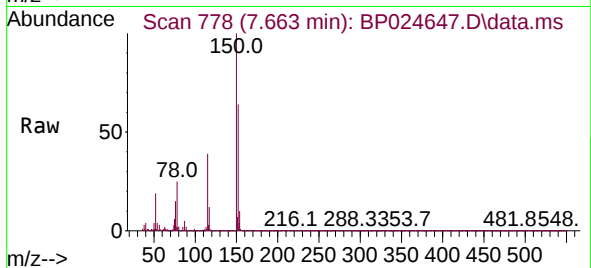




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

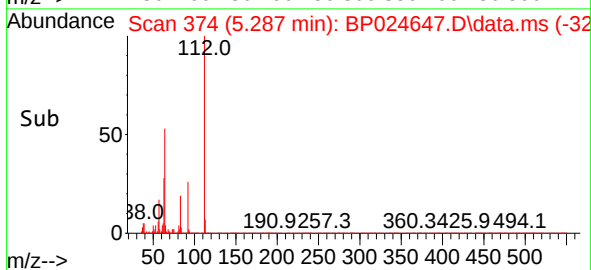
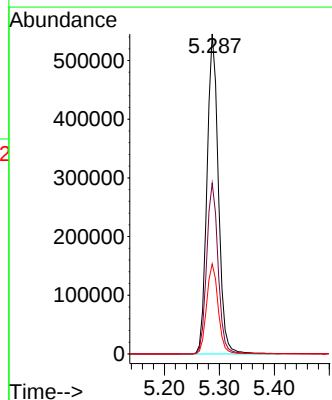
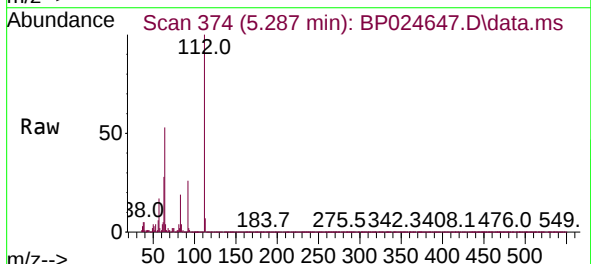
Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:152 Resp: 165553
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 60.8 50.1 75.1



#5
2-Fluorophenol
Concen: 80.943 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:112 Resp: 783475
Ion Ratio Lower Upper
112 100
64 53.4 44.1 66.1
63 28.2 23.5 35.3





#7

Phenol-d6

Concen: 79.884 ng

RT: 6.857 min Scan# 64

Delta R.T. 0.006 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

Instrument :

BNA_P

ClientSampleId :

TP-9

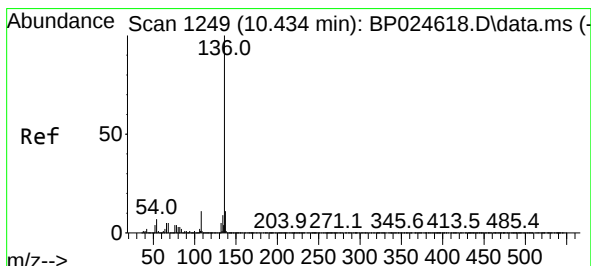
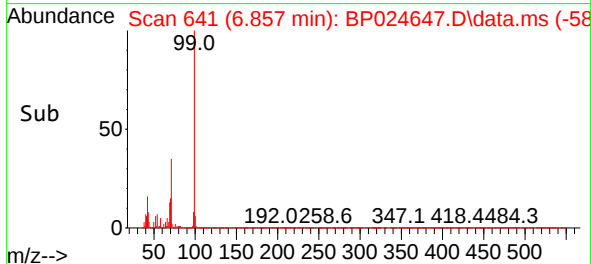
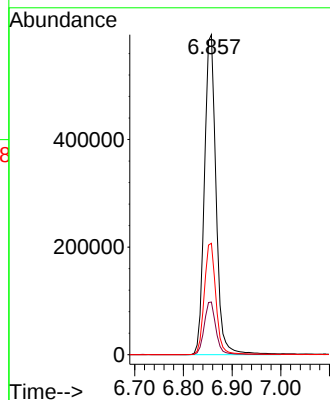
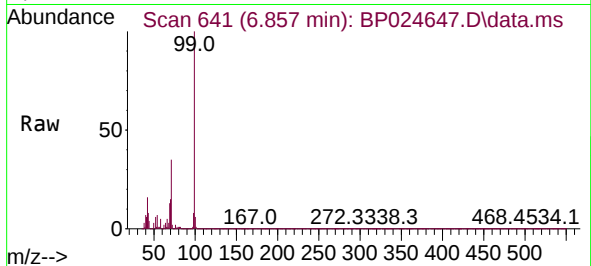
Tgt Ion: 99 Resp: 986855

Ion Ratio Lower Upper

99 100

42 16.5 14.4 21.6

71 34.8 29.2 43.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.428 min Scan# 1248

Delta R.T. -0.006 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

Tgt Ion:136 Resp: 643582

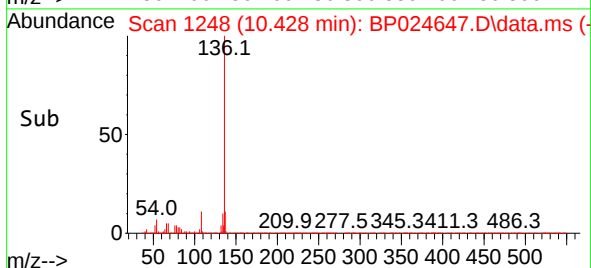
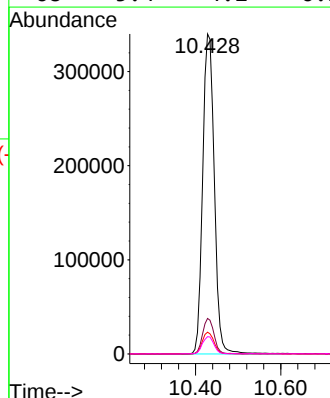
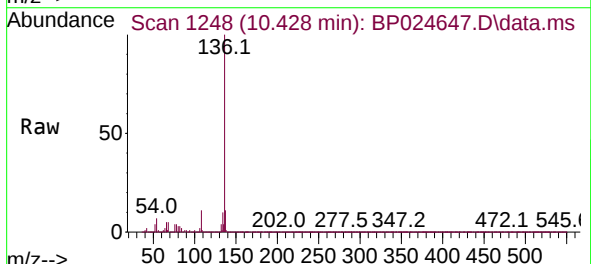
Ion Ratio Lower Upper

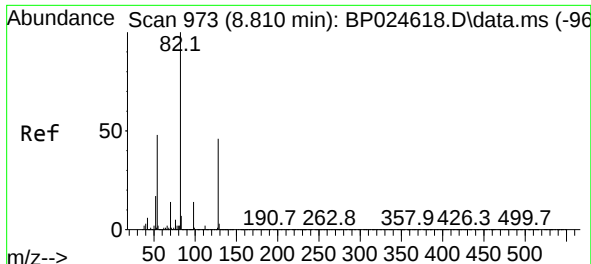
136 100

137 11.1 8.8 13.2

54 6.8 5.5 8.3

68 5.4 4.2 6.2

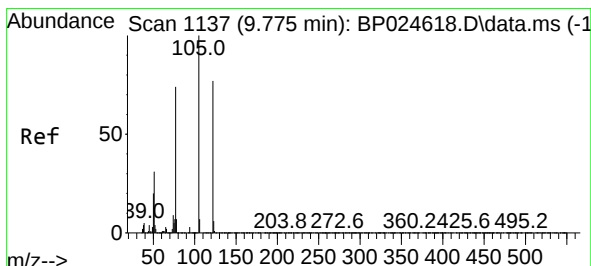
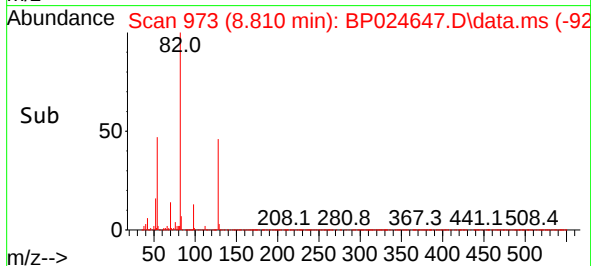
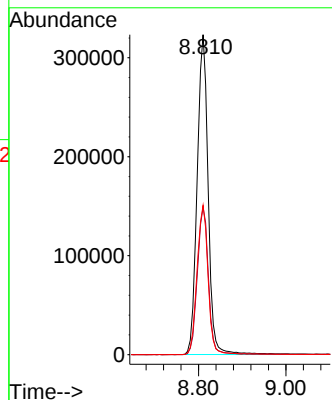
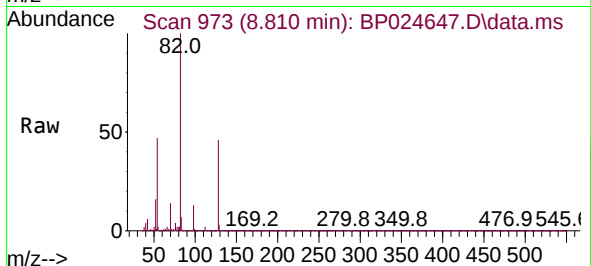




#23
Nitrobenzene-d5
Concen: 44.509 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

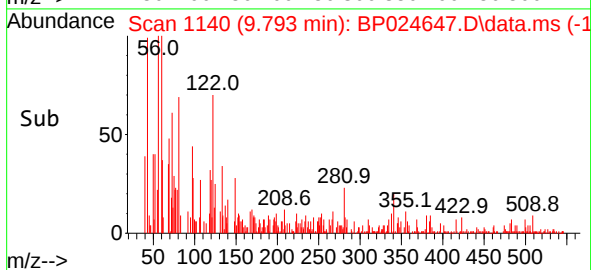
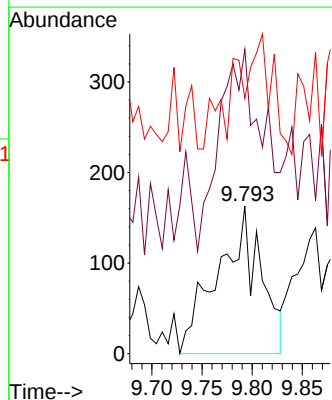
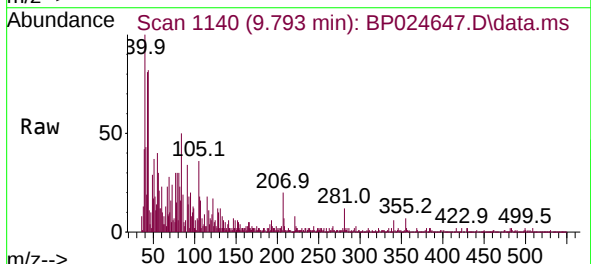
Instrument :
BNA_P
ClientSampleId :
TP-9

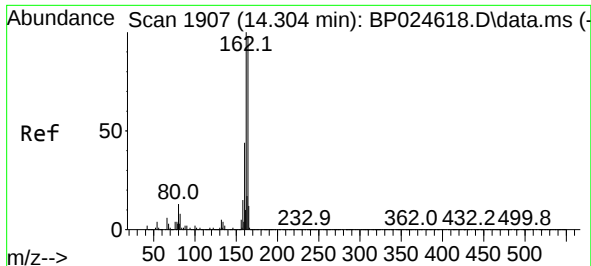
Tgt Ion: 82 Resp: 566935
Ion Ratio Lower Upper
82 100
128 46.1 37.0 55.4
54 46.7 38.7 58.1



#32
Benzoic acid
Concen: 7.529 ng
RT: 9.793 min Scan# 1140
Delta R.T. 0.018 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:122 Resp: 484
Ion Ratio Lower Upper
122 100
105 206.1 106.9 146.9#
77 173.0 75.1 115.1#

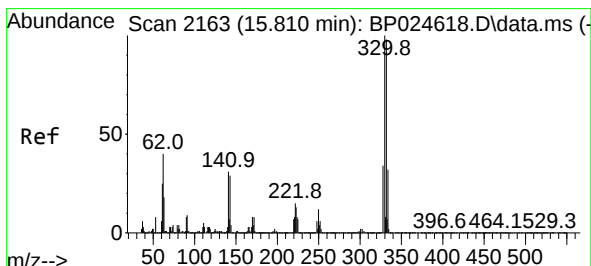
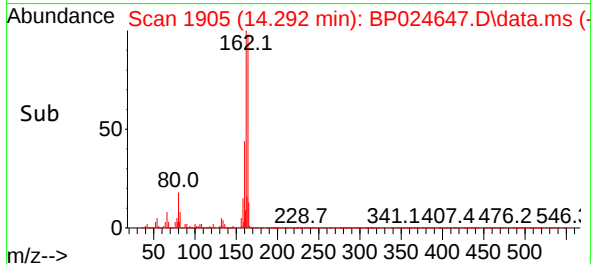
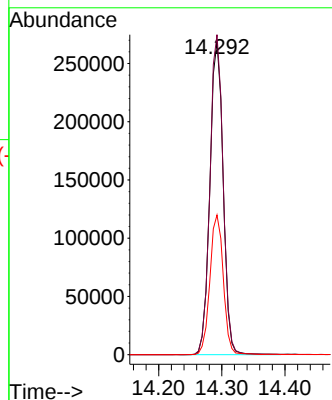
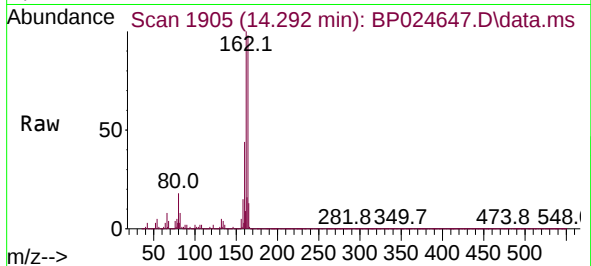




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

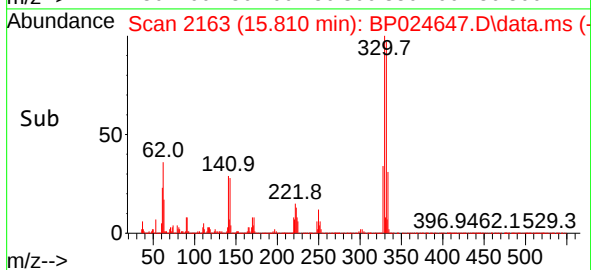
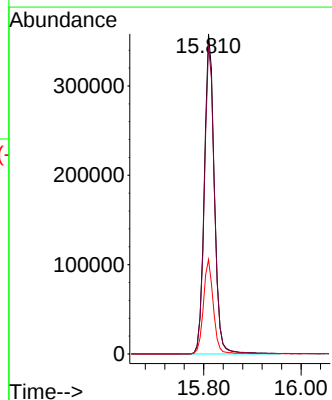
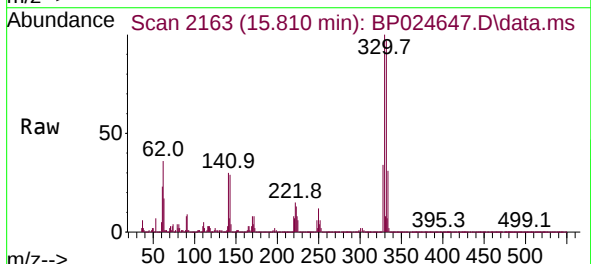
Instrument :
BNA_P
ClientSampleId :
TP-9

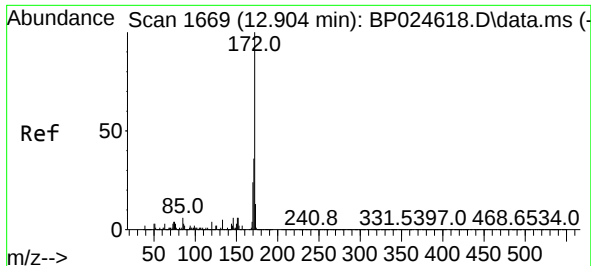
Tgt Ion:164 Resp: 391444
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 44.7 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 77.067 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:330 Resp: 511425
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.4
141 28.9 24.3 36.5

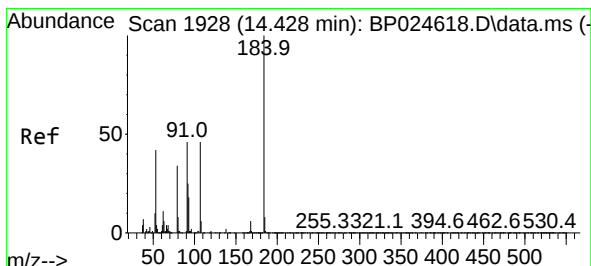
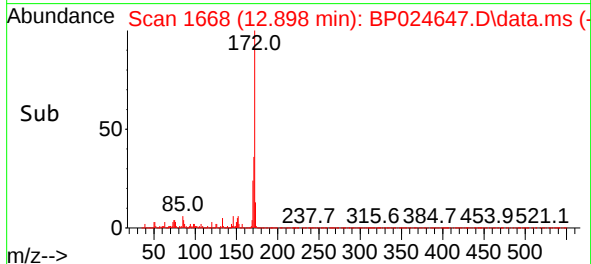
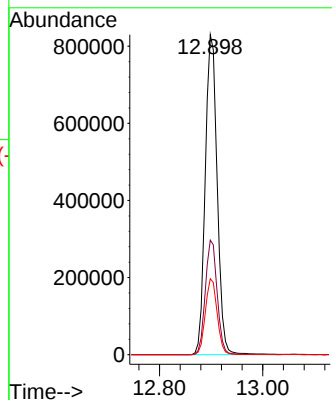
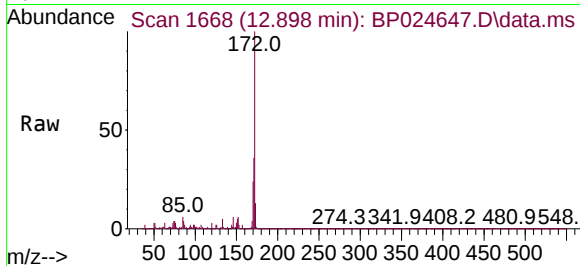




#45
2-Fluorobiphenyl
Concen: 44.522 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

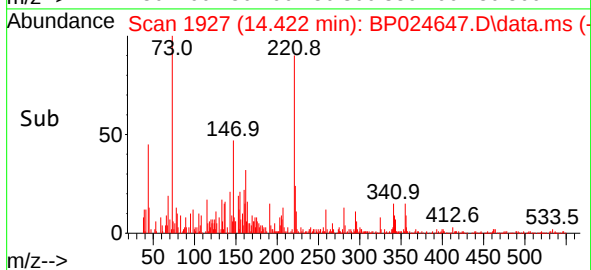
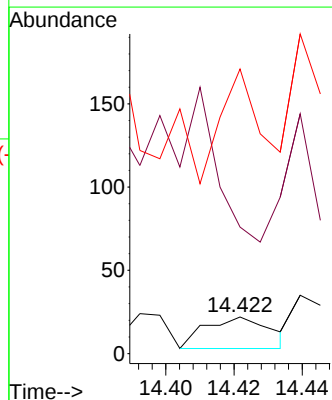
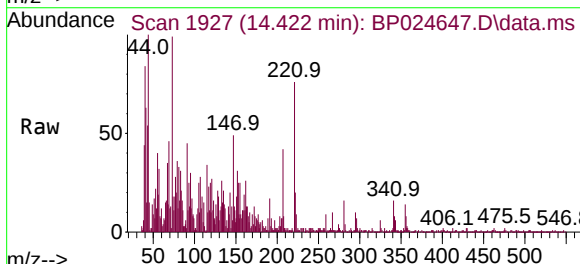
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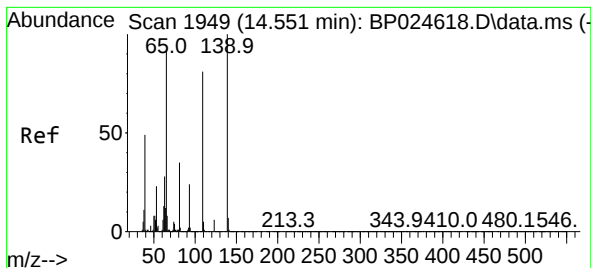
Tgt Ion:172 Resp: 1330245
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.7 18.8 28.2



#54
2,4-Dinitrophenol
Concen: 6.407 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion:184 Resp: 25
Ion Ratio Lower Upper
184 100
63 345.5 51.3 76.9#
154 777.3 53.5 80.3#

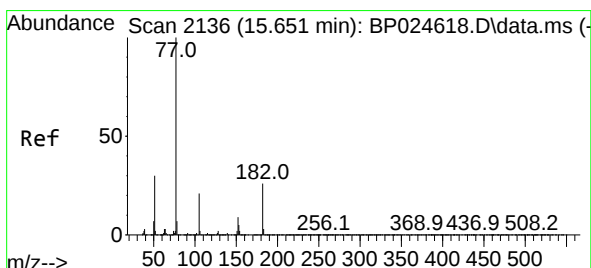
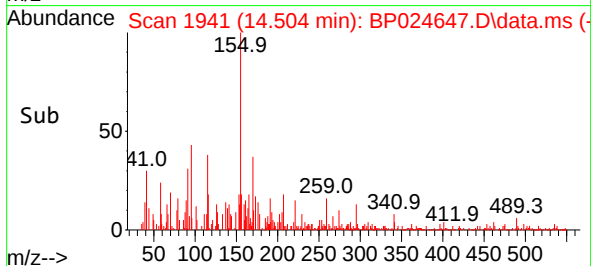
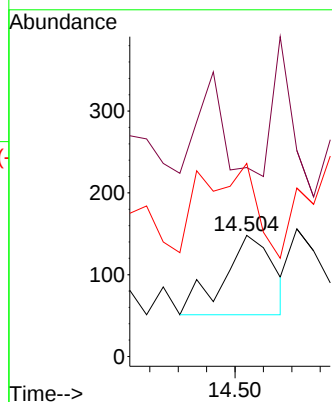
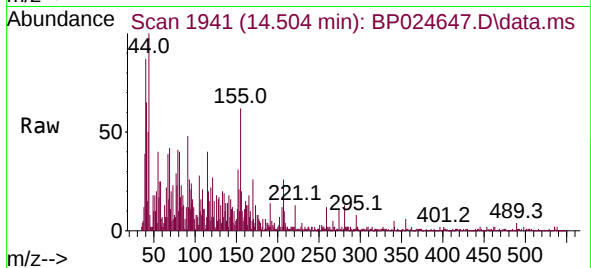




#56
4-Nitrophenol
Concen: 4.255 ng
RT: 14.504 min Scan# 1949
Delta R.T. -0.047 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

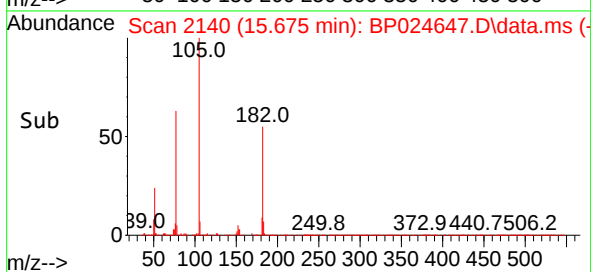
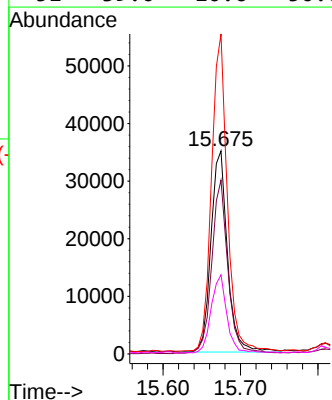
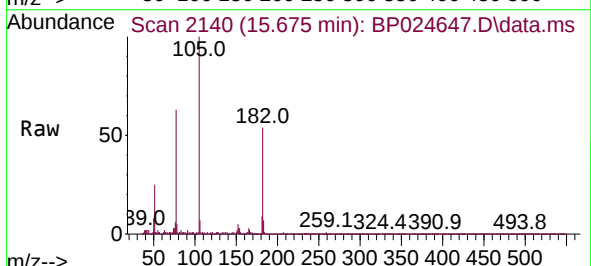
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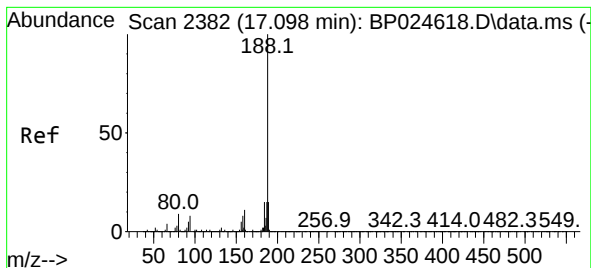
Tgt Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 156.1 61.4 101.4#
65 159.5 72.2 112.2#



#63
Azobenzene
Concen: 2.013 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.023 min
Lab File: BP024647.D
Acq: 15 May 2025 21:25

Tgt Ion: 77 Resp: 51937
Ion Ratio Lower Upper
77 100
182 85.6 5.7 45.7#
105 157.7 1.3 41.3#
51 39.0 10.6 50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

Instrument :

BNA_P

ClientSampleId :

TP-9

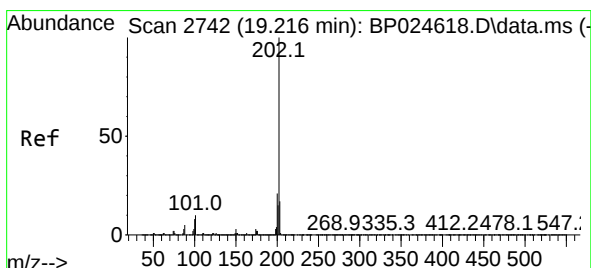
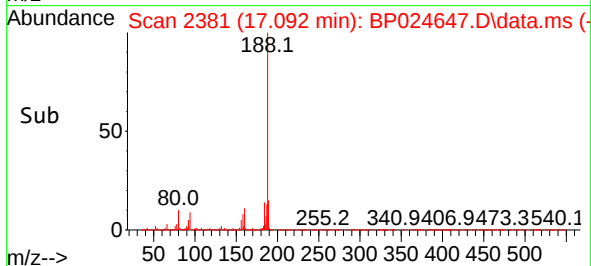
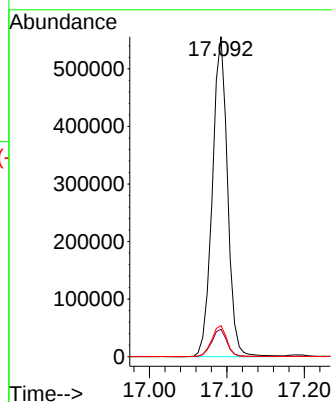
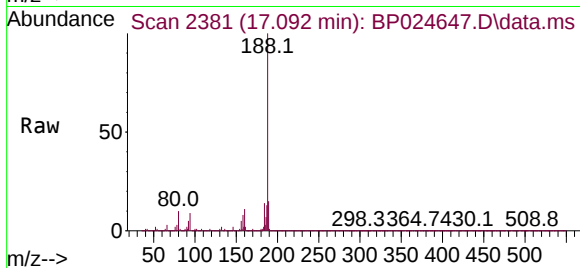
Tgt Ion:188 Resp: 756008

Ion Ratio Lower Upper

188 100

94 8.6 6.5 9.7

80 9.7 7.3 10.9



#75

Fluoranthene

Concen: 2.844 ng

RT: 19.216 min Scan# 2742

Delta R.T. -0.000 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

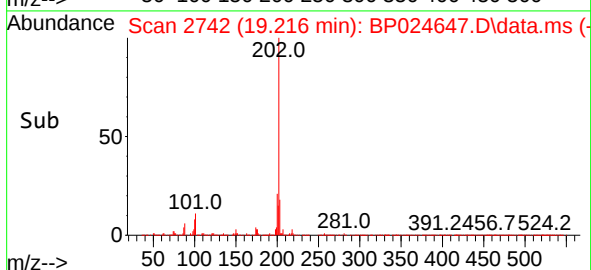
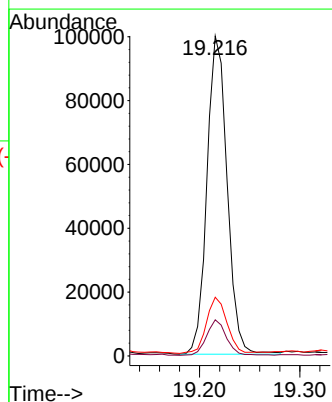
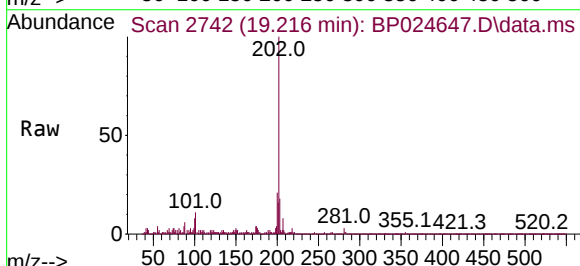
Tgt Ion:202 Resp: 139697

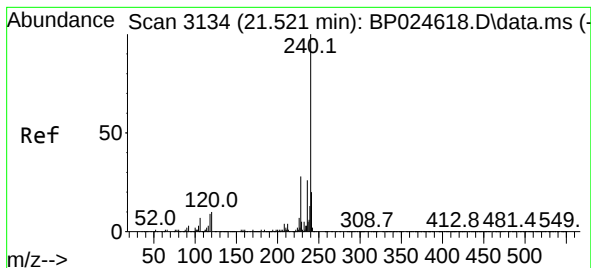
Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.516 min Scan# 3134

Delta R.T. -0.006 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

Instrument :

BNA_P

ClientSampleId :

TP-9

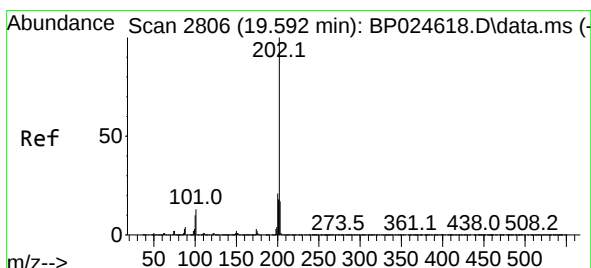
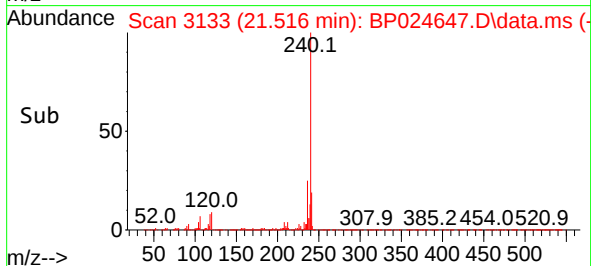
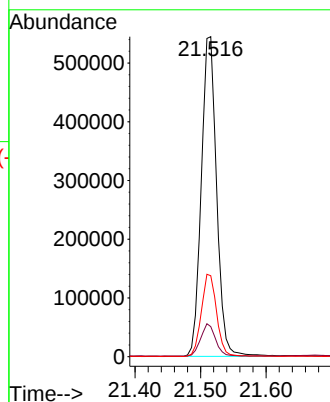
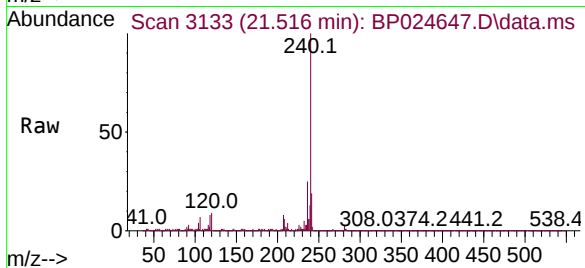
Tgt Ion:240 Resp: 888340

Ion Ratio Lower Upper

240 100

120 9.4 7.8 11.6

236 25.3 20.6 31.0



#78

Pyrene

Concen: 5.588 ng

RT: 19.592 min Scan# 2806

Delta R.T. -0.000 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

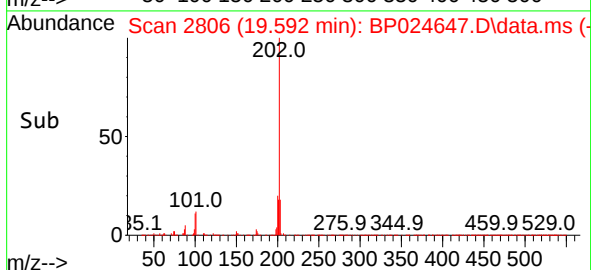
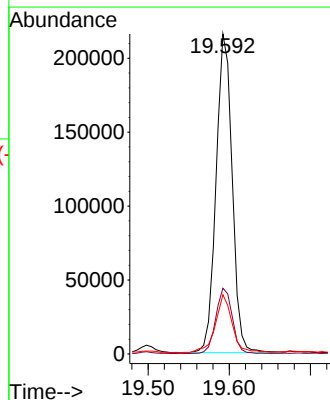
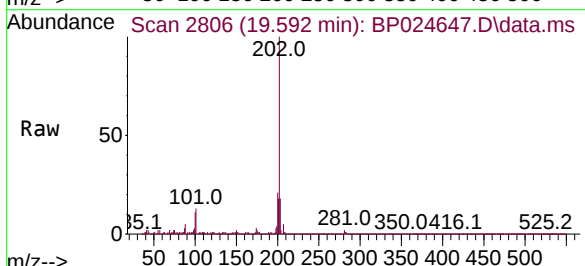
Tgt Ion:202 Resp: 297430

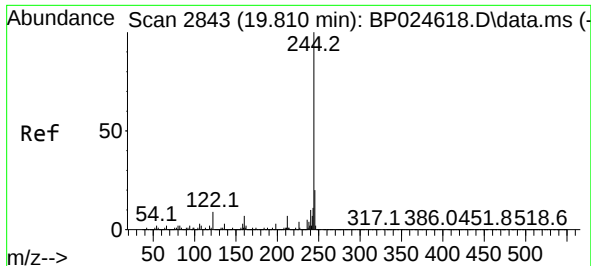
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 18.5 13.9 20.9

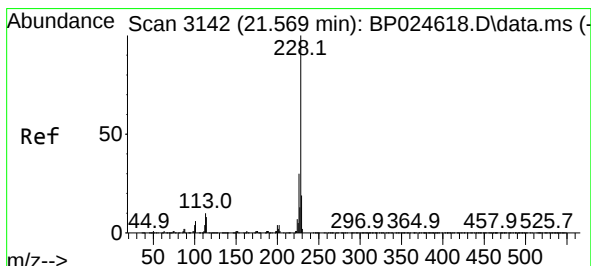
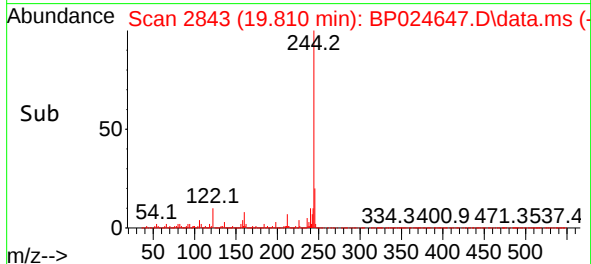
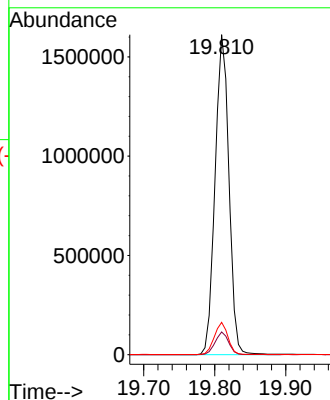
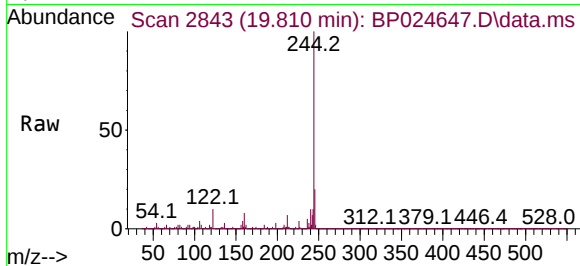




#79
 Terphenyl-d14
 Concen: 42.042 ng
 RT: 19.810 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP024647.D
 Acq: 15 May 2025 21:25

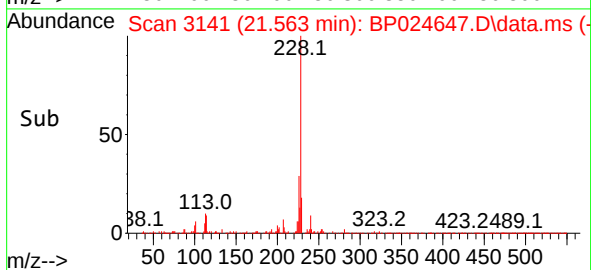
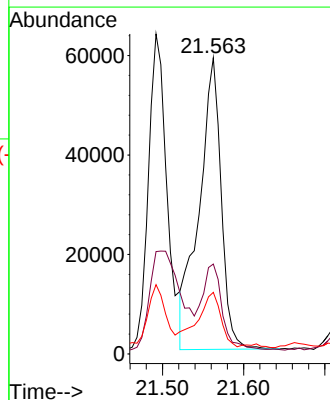
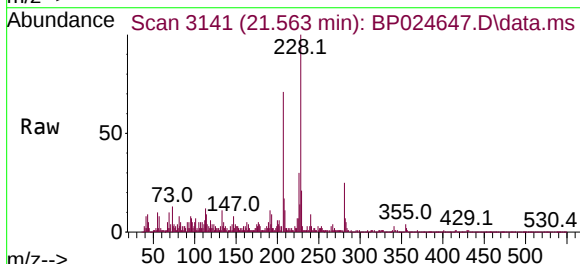
Instrument :
 BNA_P
 ClientSampleId :
 TP-9

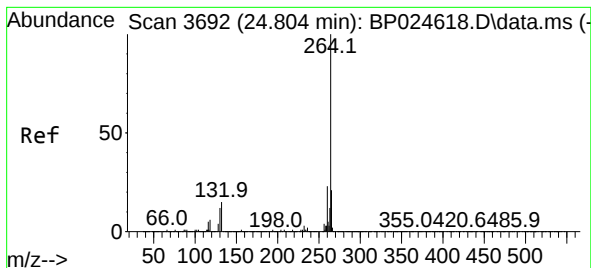
Tgt Ion:244 Resp: 2178084
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 10.1 7.4 11.0



#83
 Chrysene
 Concen: 2.104 ng
 RT: 21.563 min Scan# 3141
 Delta R.T. -0.006 min
 Lab File: BP024647.D
 Acq: 15 May 2025 21:25

Tgt Ion:228 Resp: 111239
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.9 35.9
 229 20.8 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.804 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

Instrument :

BNA_P

ClientSampleId :

TP-9

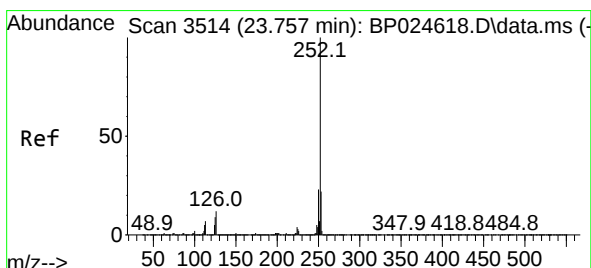
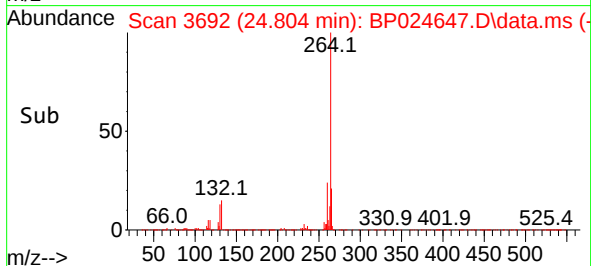
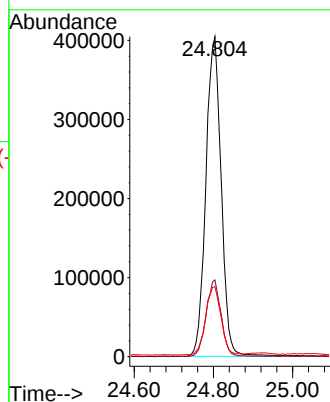
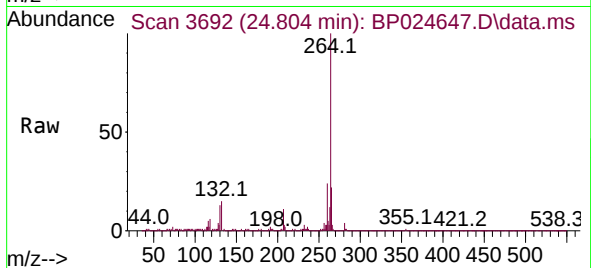
Tgt Ion:264 Resp: 1083555

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 21.9 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.286 ng

RT: 23.757 min Scan# 3514

Delta R.T. -0.000 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

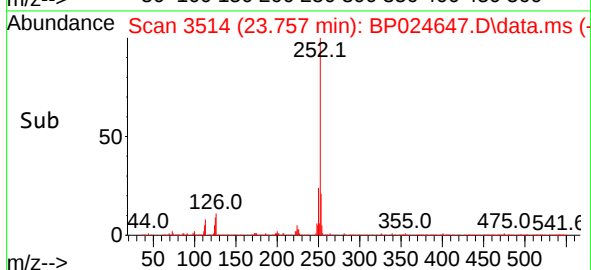
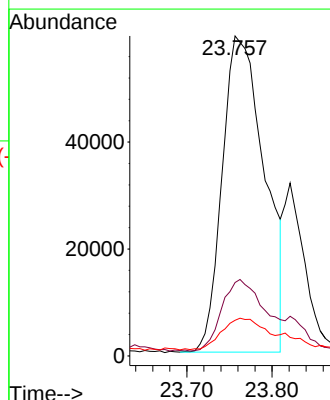
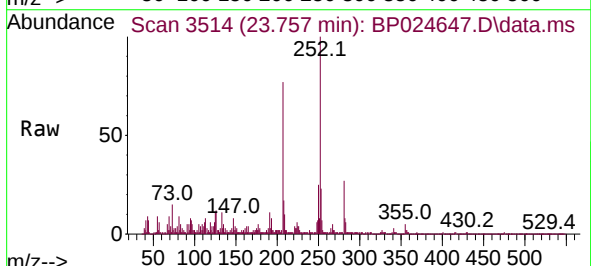
Tgt Ion:252 Resp: 203807

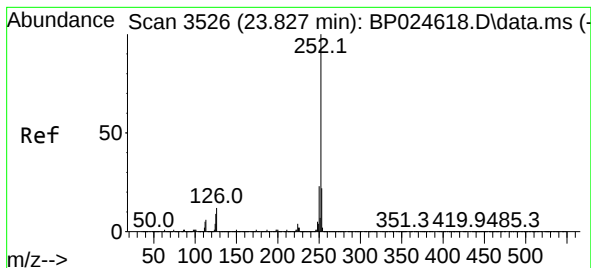
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.1 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 3.189 ng

RT: 23.757 min Scan# 3514

Delta R.T. -0.071 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

Instrument :

BNA_P

ClientSampleId :

TP-9

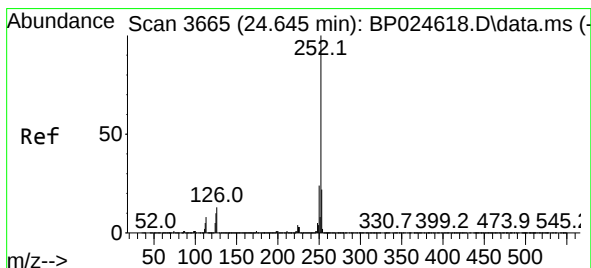
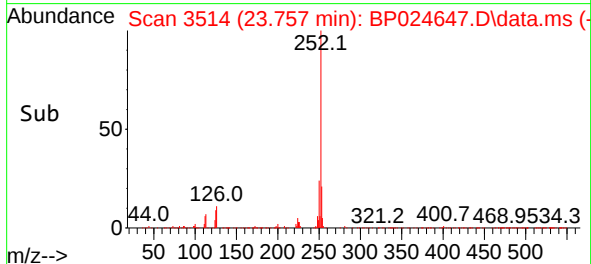
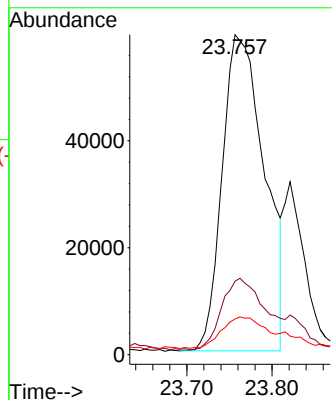
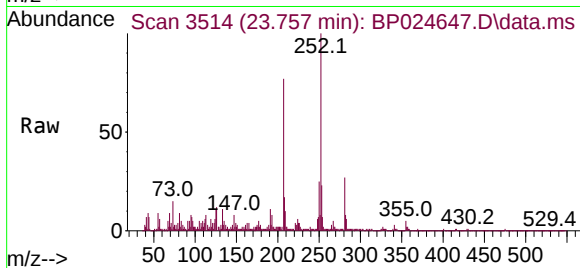
Tgt Ion:252 Resp: 203807

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 11.1 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 3.402 ng

RT: 24.639 min Scan# 3664

Delta R.T. -0.006 min

Lab File: BP024647.D

Acq: 15 May 2025 21:25

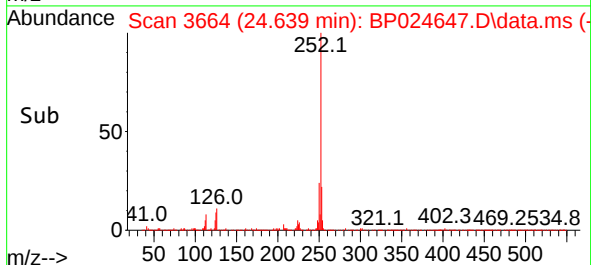
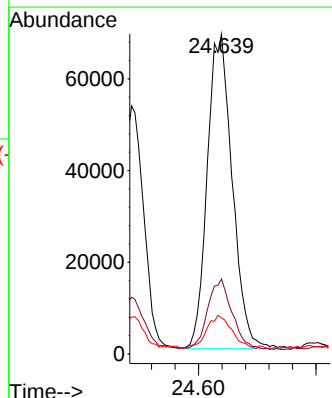
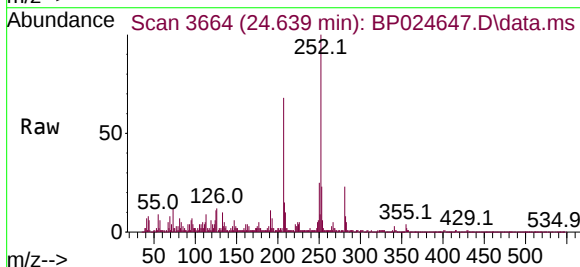
Tgt Ion:252 Resp: 202656

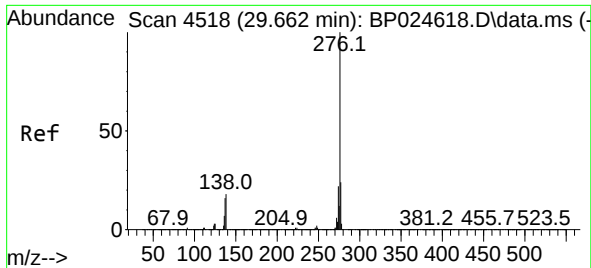
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

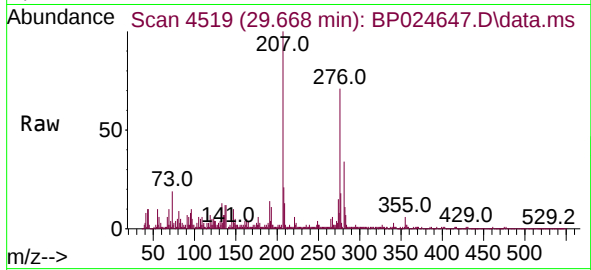
125 11.3 8.1 12.1





#92
 Benzo(g,h,i)perylene
 Concen: 2.849 ng
 RT: 29.668 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BP024647.D
 Acq: 15 May 2025 21:25

Instrument :
 BNA_P
 ClientSampleId :
 TP-9



Tgt Ion: 276 Resp: 182303

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	17.5	14.4	21.6

