

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051925\
 Data File : BP024698.D
 Acq On : 19 May 2025 21:02
 Operator : RC/JU
 Sample : Q2071-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 20 03:47:35 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)

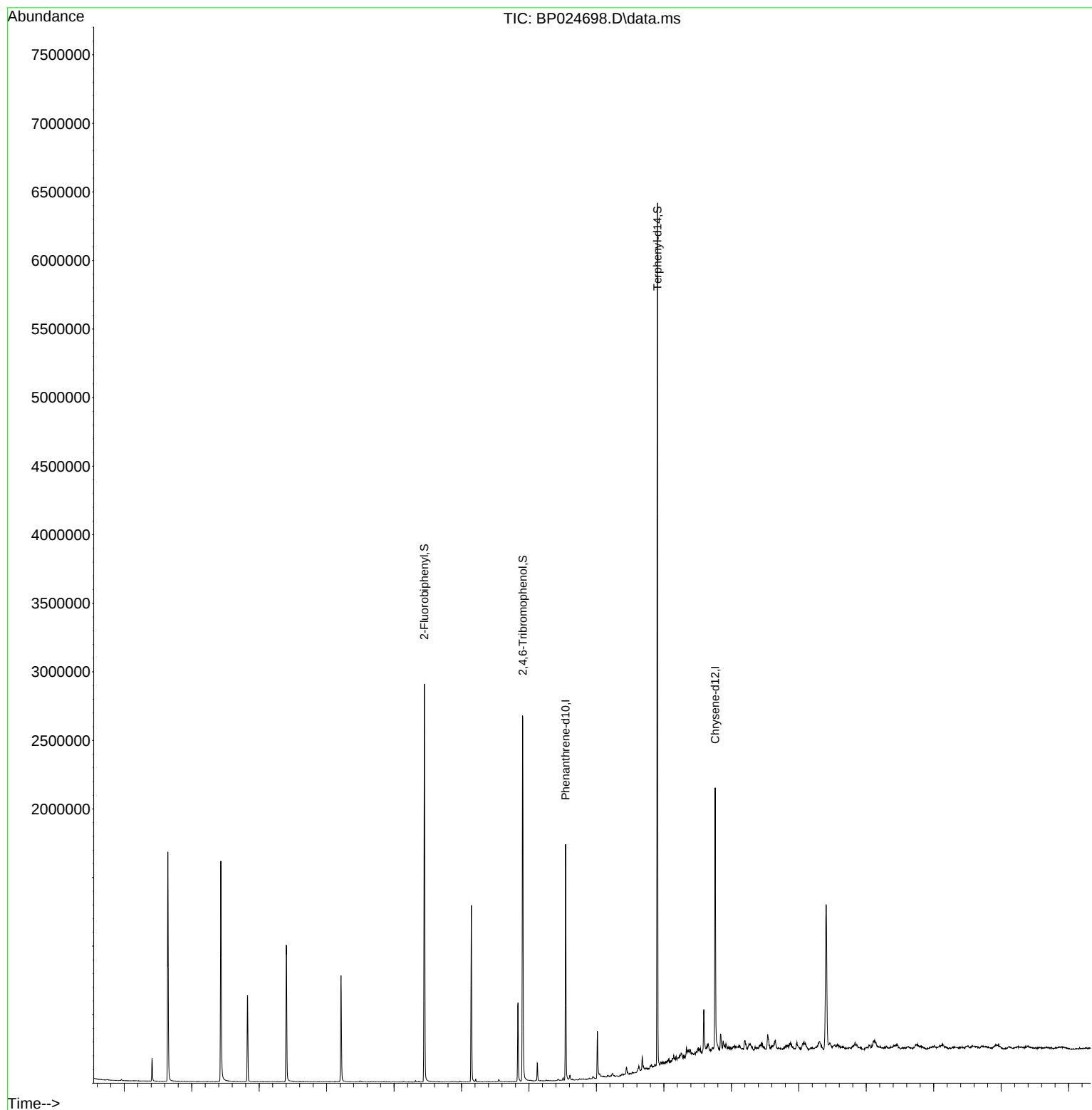
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	175124	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	689419	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	455113	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	949424	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	1113567	20.000	ng	0.00
86) Perylene-d12	24.810	264	1193773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	769444	75.149	ng	0.00
7) Phenol-d6	6.863	99	1016740	77.806	ng	0.01
23) Nitrobenzene-d5	8.804	82	581994	42.653	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	684025	88.656	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1543352	44.428	ng	0.00
79) Terphenyl-d14	19.810	244	3296580	50.761	ng	0.00
Target Compounds						
32) Benzoic acid	9.775	122	21	7.471	ng	# 1
54) 2,4-Dinitrophenol	14.410	184	4	6.402	ng	# 1
56) 4-Nitrophenol	14.528	139	17	4.237	ng	# 37
63) Azobenzene	15.675	77	173565	5.787	ng	# 1

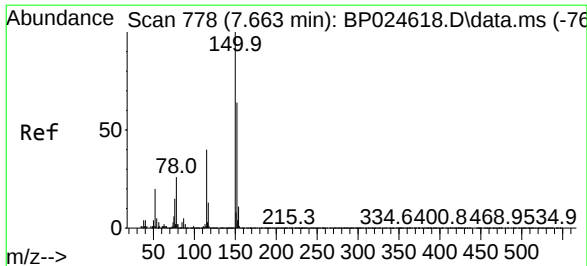
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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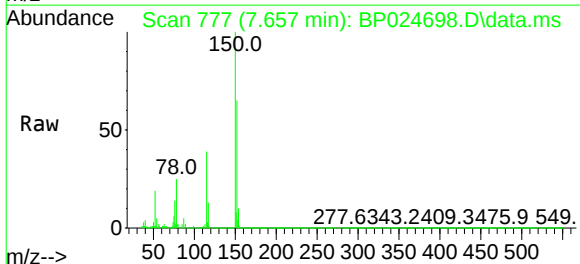
Quant Time: May 20 03:47:35 2025
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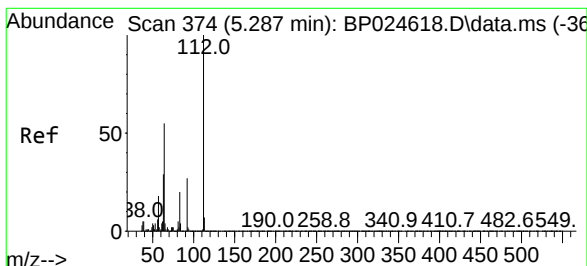
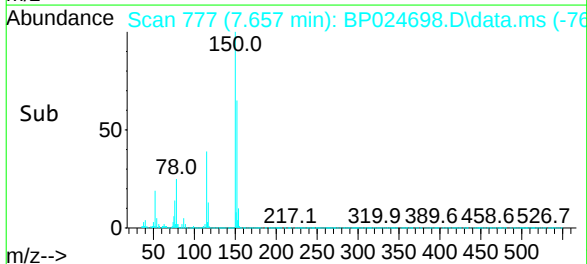
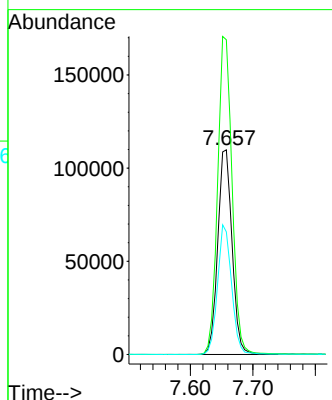


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 77
Delta R.T. -0.006 min
Lab File: BP024698.D
Acq: 19 May 2025 21:02

Instrument :
BNA_P
ClientSampleId :

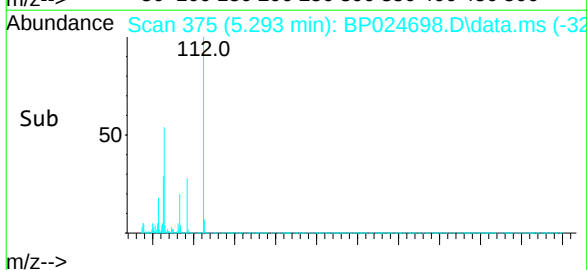
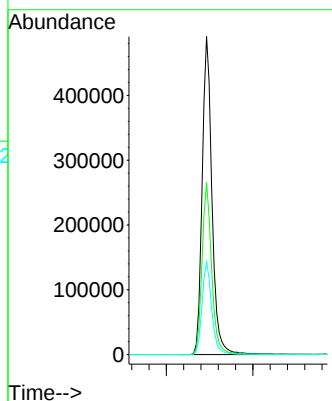
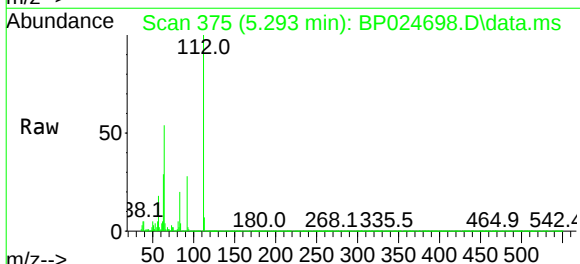


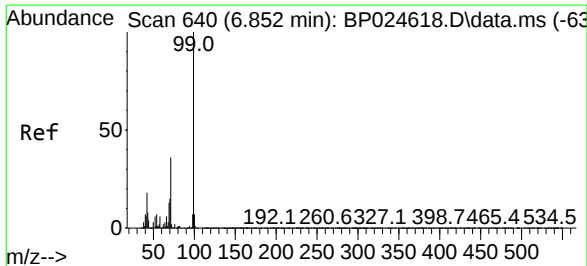
Tgt Ion:152 Resp: 175124
Ion Ratio Lower Upper
152 100
150 153.8 125.9 188.9
115 59.9 50.1 75.1



#5
2-Fluorophenol
Concen: 75.149 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024698.D
Acq: 19 May 2025 21:02

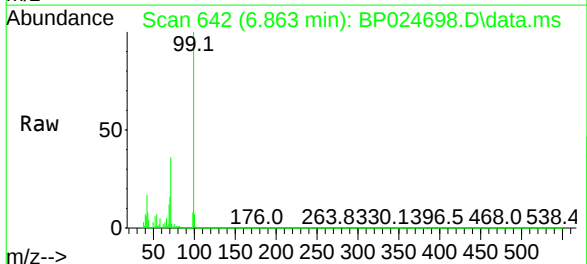
Tgt Ion:112 Resp: 769444
Ion Ratio Lower Upper
112 100
64 54.1 44.1 66.1
63 29.2 23.5 35.3



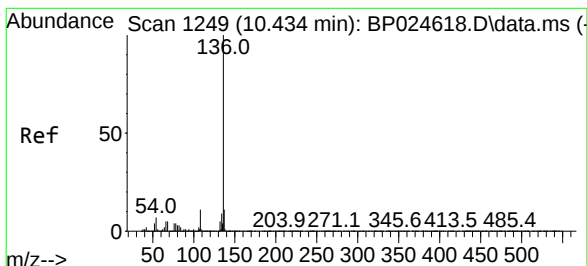
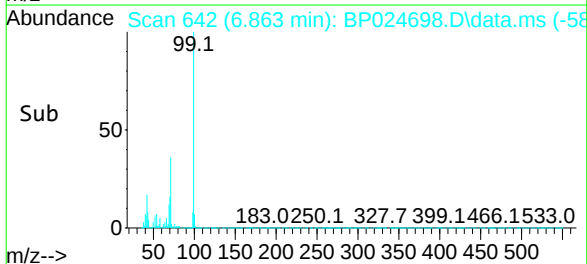
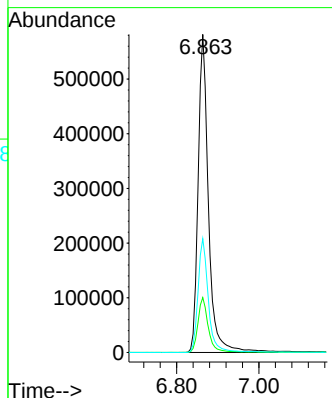


#7
Phenol-d6
Concen: 77.806 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024698.D
Acq: 19 May 2025 21:02

Instrument :
BNA_P
ClientSampleId :

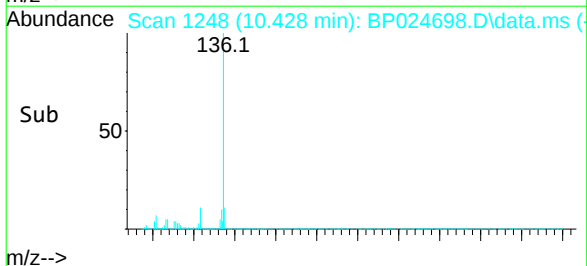
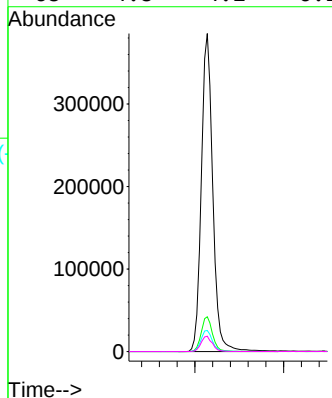
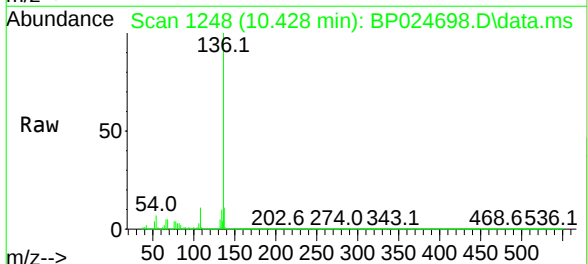


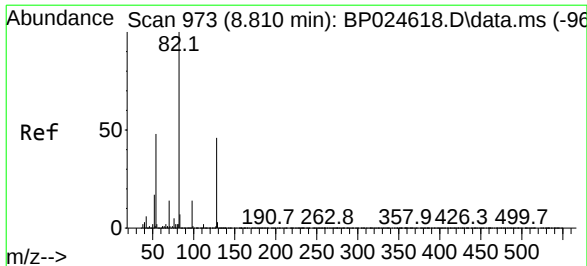
Tgt Ion: 99 Resp: 1016740
Ion Ratio Lower Upper
99 100
42 17.3 14.4 21.6
71 35.8 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024698.D
Acq: 19 May 2025 21:02

Tgt Ion: 136 Resp: 689419
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.5 8.3
68 4.8 4.2 6.2





#23

Nitrobenzene-d5

Concen: 42.653 ng

RT: 8.804 min Scan# 97

Delta R.T. -0.006 min

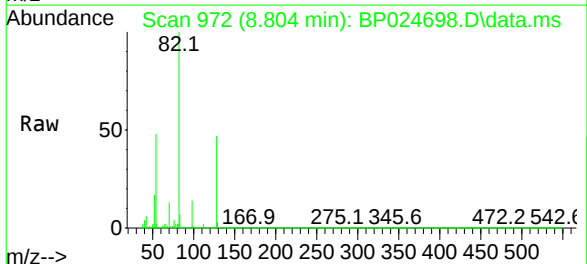
Lab File: BP024698.D

Acq: 19 May 2025 21:02

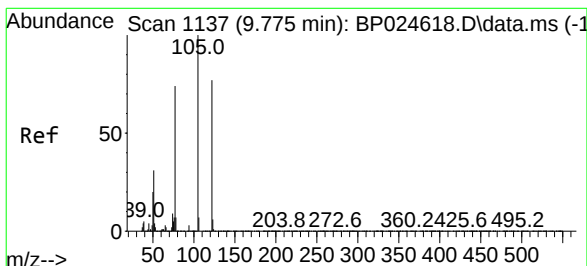
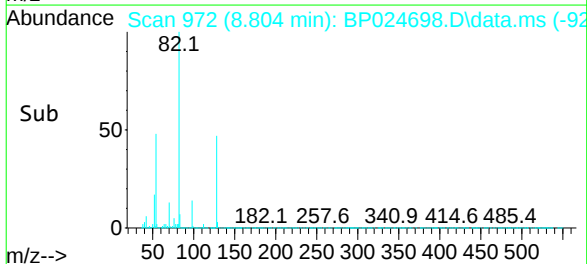
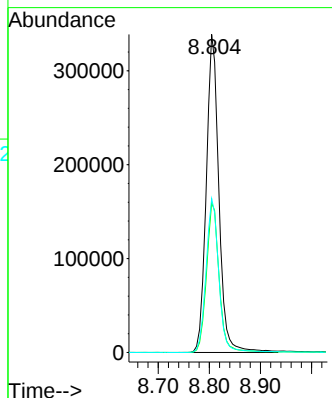
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	82	Resp:	581994
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.4
54	48.4	38.7	58.1



#32

Benzoic acid

Concen: 7.471 ng

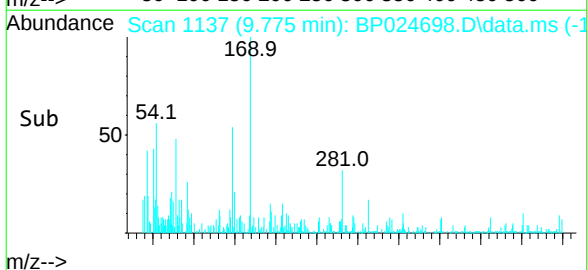
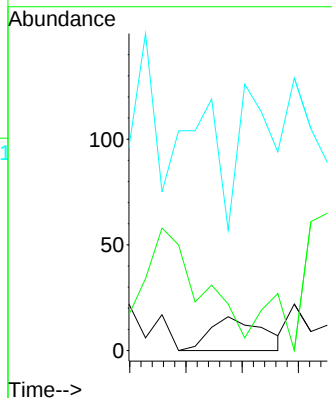
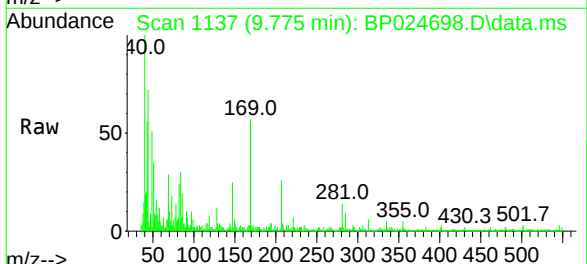
RT: 9.775 min Scan# 1137

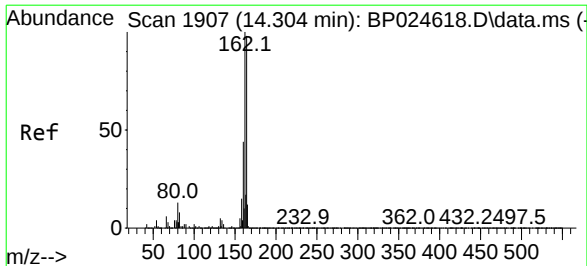
Delta R.T. 0.000 min

Lab File: BP024698.D

Acq: 19 May 2025 21:02

Tgt Ion:	122	Resp:	21
Ion	Ratio	Lower	Upper
122	100		
105	137.5	106.9	146.9
77	356.3	75.1	115.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.292 min Scan# 19

Delta R.T. -0.012 min

Lab File: BP024698.D

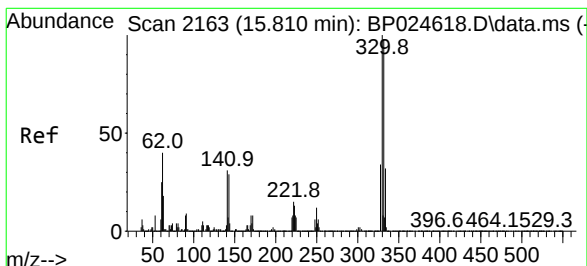
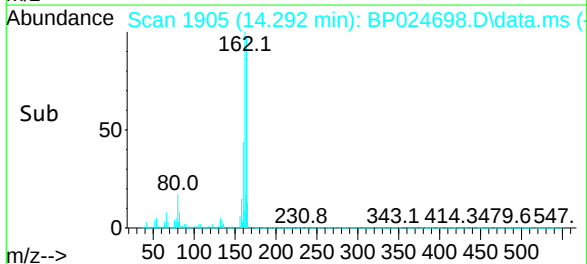
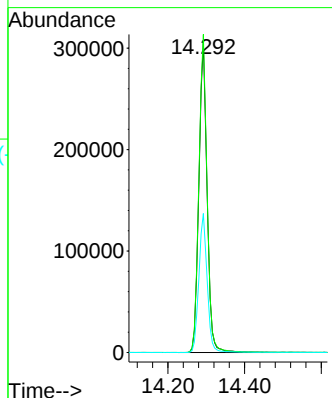
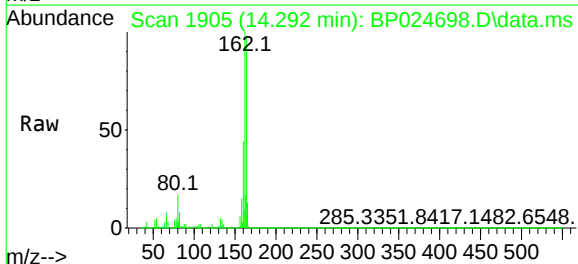
Acq: 19 May 2025 21:02

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	164	Resp:	455113
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.8	122.6
160	44.9	36.3	54.5



#42

2,4,6-Tribromophenol

Concen: 88.656 ng

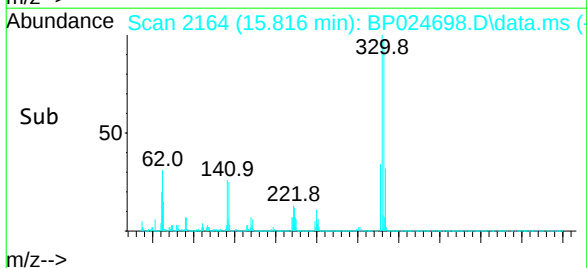
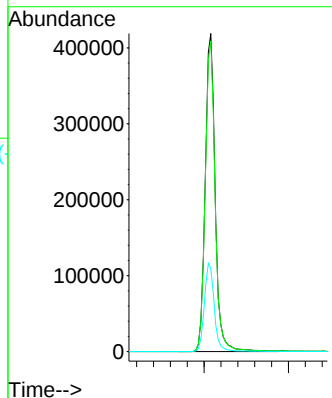
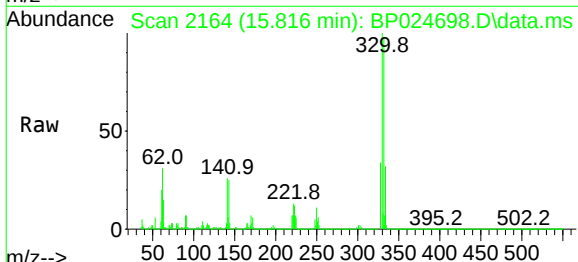
RT: 15.816 min Scan# 2164

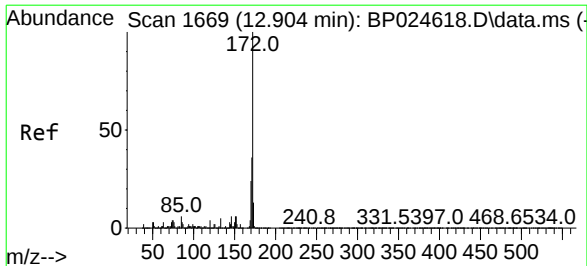
Delta R.T. 0.006 min

Lab File: BP024698.D

Acq: 19 May 2025 21:02

Tgt Ion:	330	Resp:	684025
Ion Ratio	Lower	Upper	
330	100		
332	97.4	78.2	117.4
141	27.8	24.3	36.5





#45

2-Fluorobiphenyl

Concen: 44.428 ng

RT: 12.898 min Scan# 16

Delta R.T. -0.006 min

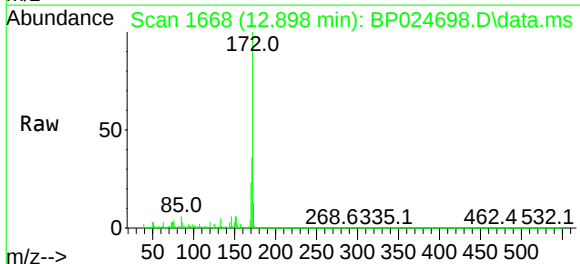
Lab File: BP024698.D

Acq: 19 May 2025 21:02

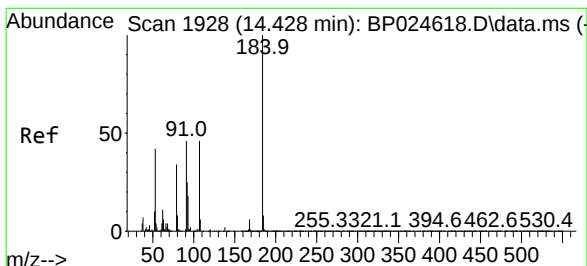
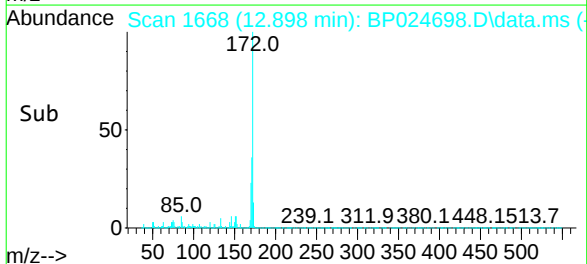
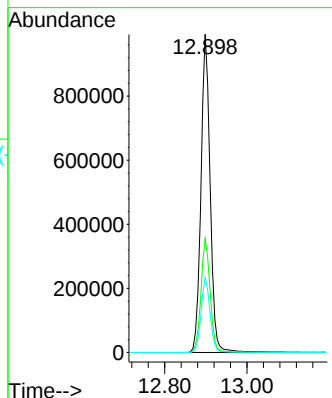
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	172	Resp:	1543352
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.5	18.8	28.2



#54

2,4-Dinitrophenol

Concen: 6.402 ng

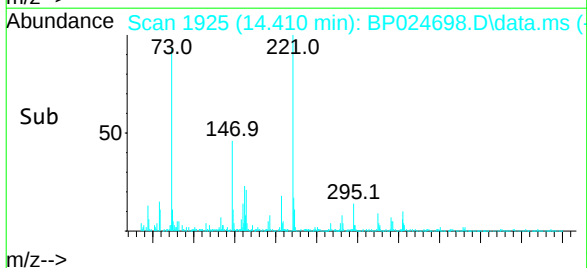
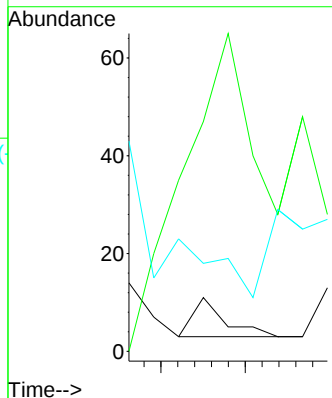
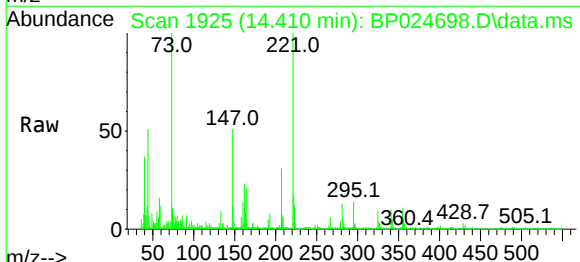
RT: 14.410 min Scan# 1925

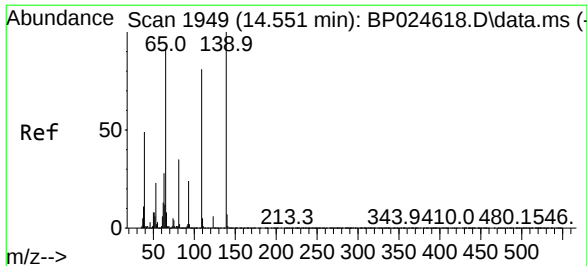
Delta R.T. -0.018 min

Lab File: BP024698.D

Acq: 19 May 2025 21:02

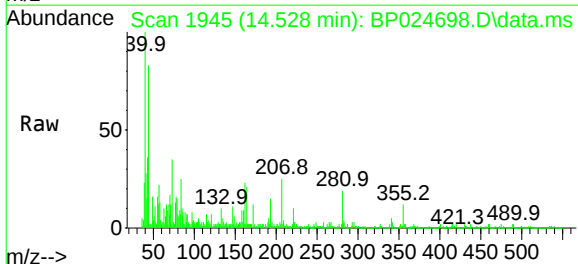
Tgt Ion:	184	Resp:	4
Ion	Ratio	Lower	Upper
184	100		
63	427.3	51.3	76.9#
154	163.6	53.5	80.3#



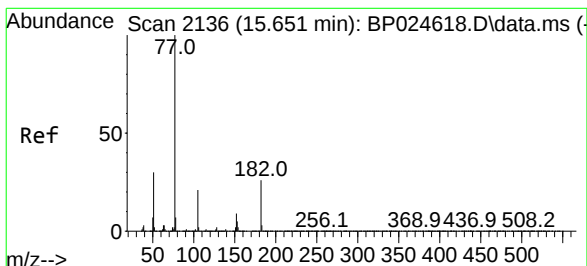
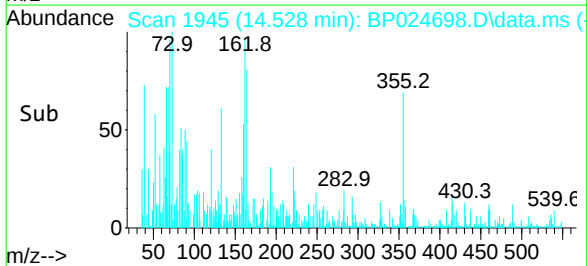
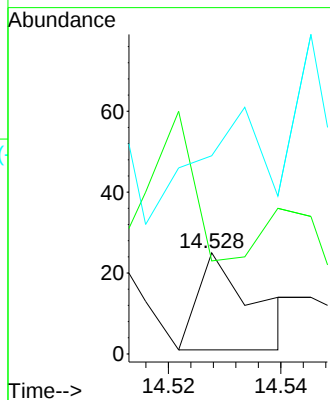


#56
4-Nitrophenol
Concen: 4.237 ng
RT: 14.528 min Scan# 19
Delta R.T. -0.023 min
Lab File: BP024698.D
Acq: 19 May 2025 21:02

Instrument :
BNA_P
ClientSampleId :

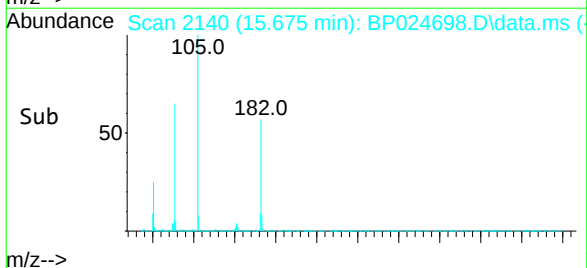
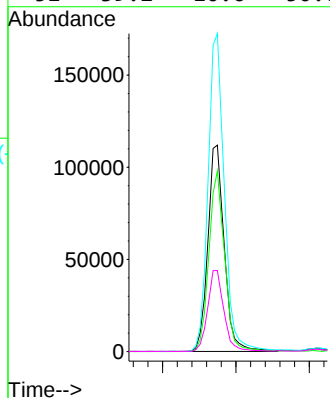
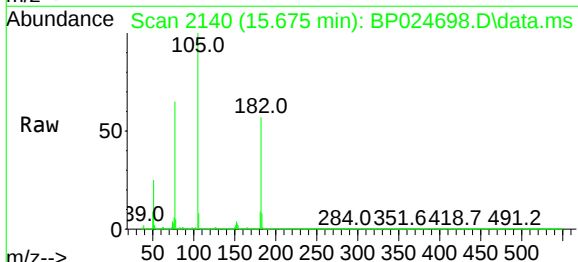


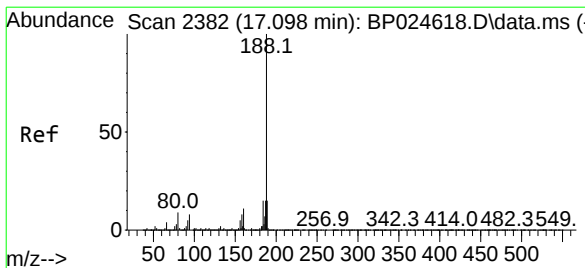
Tgt Ion:139 Resp: 17
Ion Ratio Lower Upper
139 100
109 92.0 61.4 101.4
65 196.0 72.2 112.2#



#63
Azobenzene
Concen: 5.787 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.024 min
Lab File: BP024698.D
Acq: 19 May 2025 21:02

Tgt Ion: 77 Resp: 173565
Ion Ratio Lower Upper
77 100
182 87.5 5.7 45.7#
105 154.1 1.3 41.3#
51 39.2 10.6 50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 2382

Delta R.T. -0.012 min

Lab File: BP024698.D

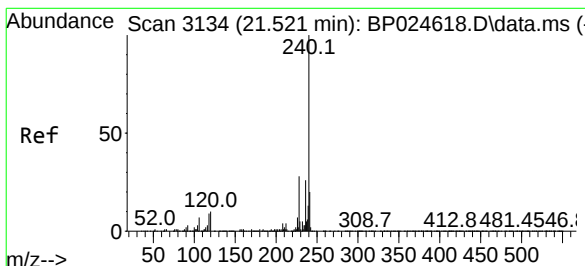
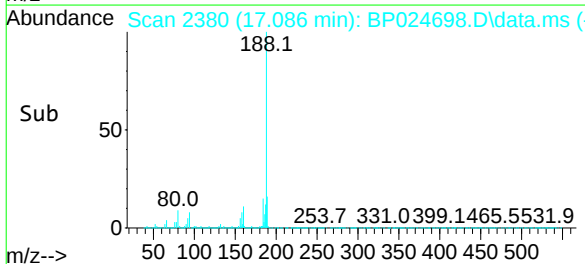
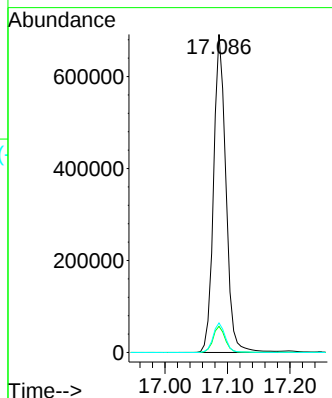
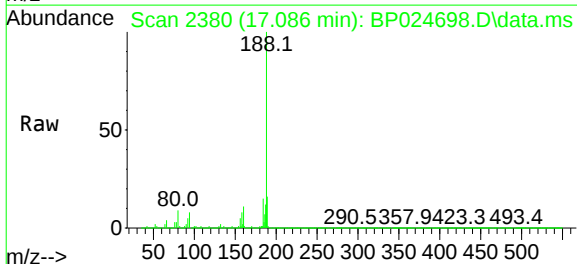
Acq: 19 May 2025 21:02

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	188	Resp:	949424
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.5	9.7
80	9.3	7.3	10.9



#76

Chrysene-d12

Concen: 20.000 ng

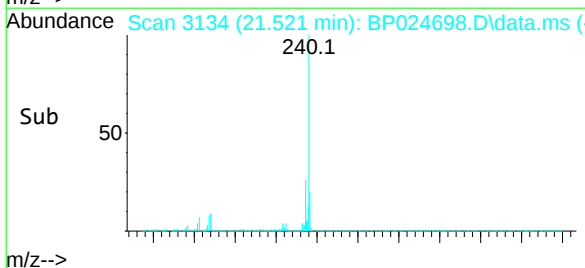
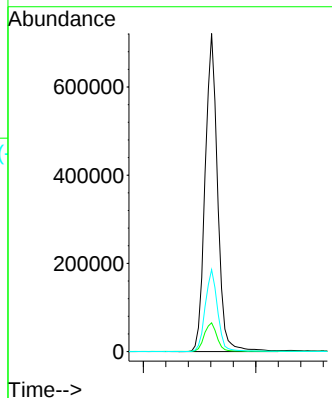
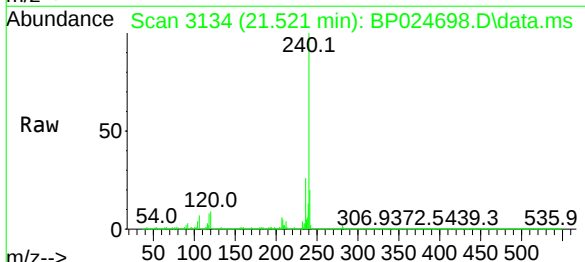
RT: 21.521 min Scan# 3134

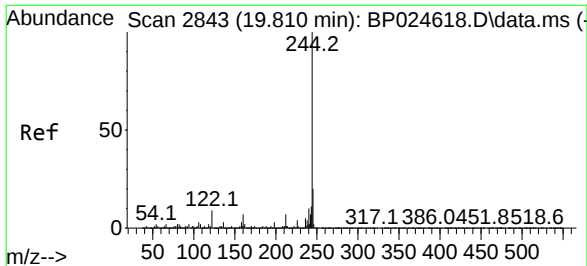
Delta R.T. -0.000 min

Lab File: BP024698.D

Acq: 19 May 2025 21:02

Tgt Ion:	240	Resp:	1113567
Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.8	11.6
236	25.8	20.6	31.0





#79

Terphenyl-d14

Concen: 50.761 ng

RT: 19.810 min Scan# 28

Delta R.T. -0.000 min

Lab File: BP024698.D

Acq: 19 May 2025 21:02

Instrument :

BNA_P

ClientSampleId :

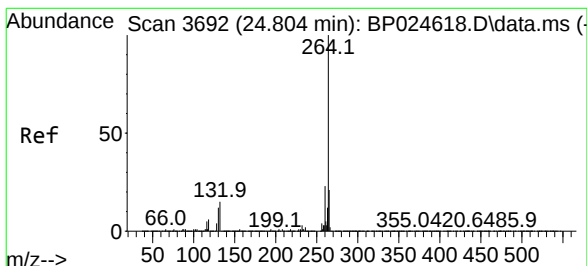
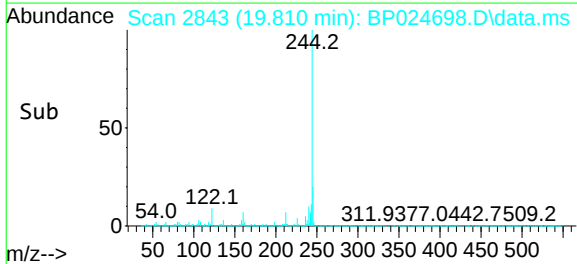
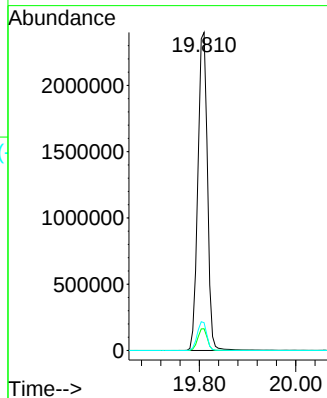
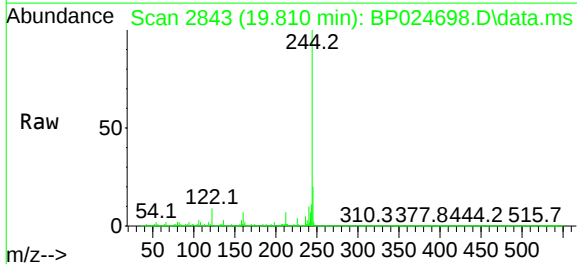
Tgt Ion:244 Resp: 3296580

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 8.8 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.810 min Scan# 3693

Delta R.T. 0.006 min

Lab File: BP024698.D

Acq: 19 May 2025 21:02

Tgt Ion:264 Resp: 1193773

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.7 17.0 25.6

