

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051925\
 Data File : BP024699.D
 Acq On : 19 May 2025 21:43
 Operator : RC/JU
 Sample : Q2071-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 20 03:47:56 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)

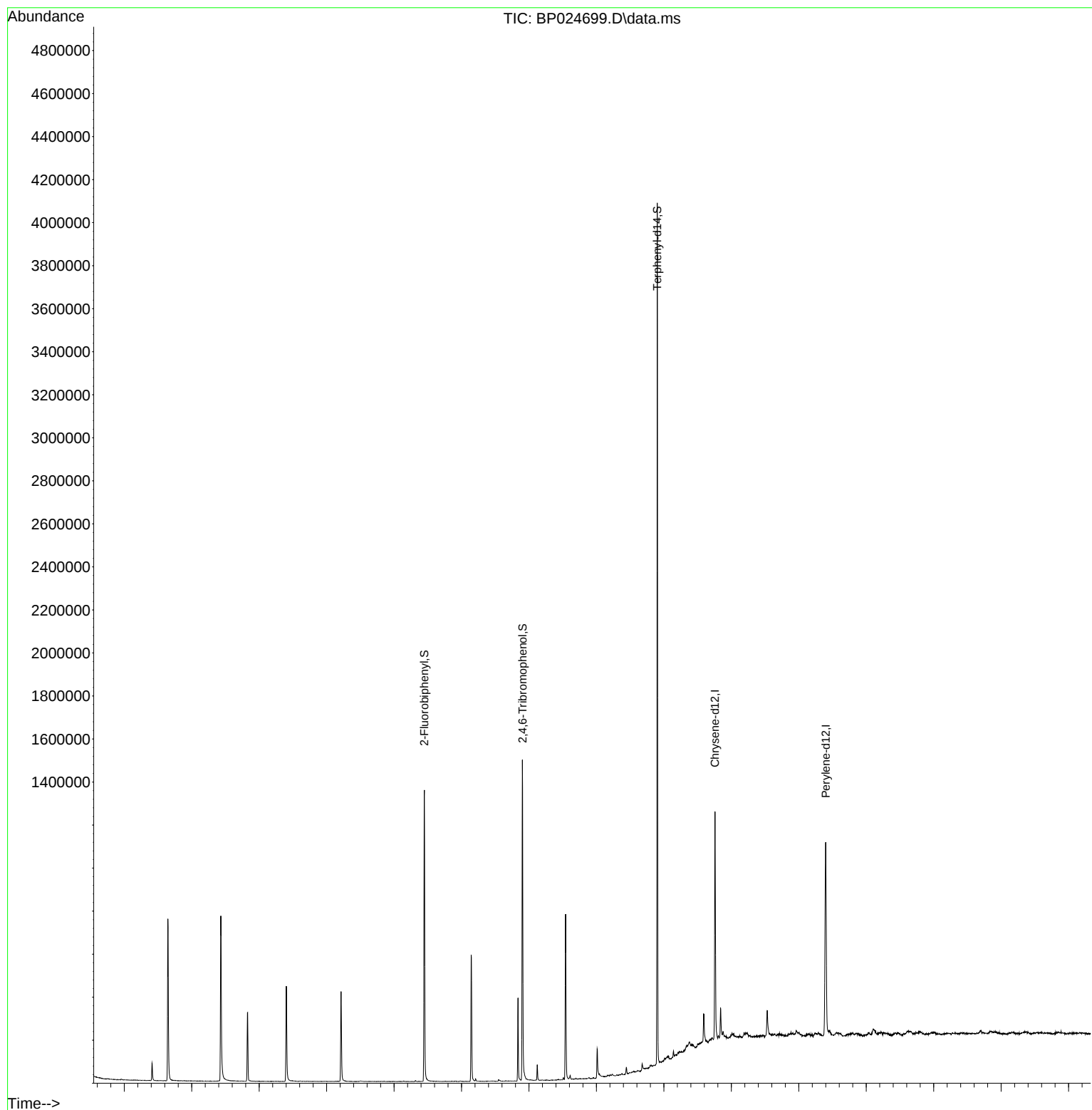
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	91446	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	365968	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	236795	20.000	ng	-0.02
64) Phenanthrene-d10	17.087	188	501595	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	667585	20.000	ng	0.00
86) Perylene-d12	24.798	264	916691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	387619	72.499	ng	0.00
7) Phenol-d6	6.864	99	547558	80.244	ng	0.01
23) Nitrobenzene-d5	8.805	82	270690	37.372	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	369047	91.932	ng	0.00
45) 2-Fluorobiphenyl	12.899	172	758326	41.956	ng	0.00
79) Terphenyl-d14	19.804	244	1791468	46.014	ng	0.00
Target Compounds						
32) Benzoic acid	9.781	122	26	7.474	ng	# 1
54) 2,4-Dinitrophenol	14.416	184	24	6.410	ng	# 4
56) 4-Nitrophenol	14.546	139	19	4.239	ng	# 1
63) Azobenzene	15.675	77	98621	6.320	ng	# 1

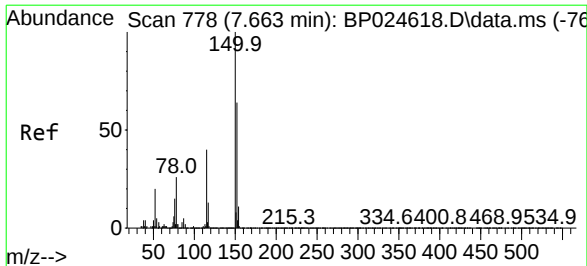
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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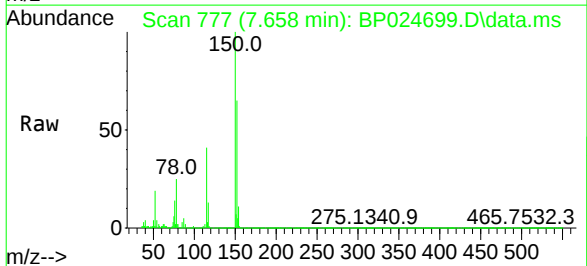
Quant Time: May 20 03:47:56 2025
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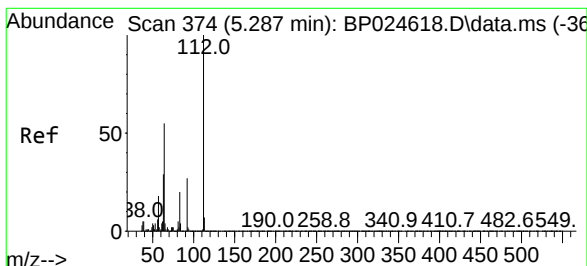
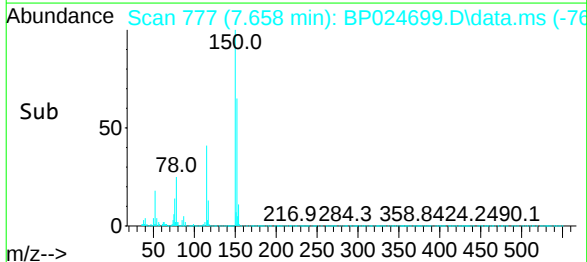
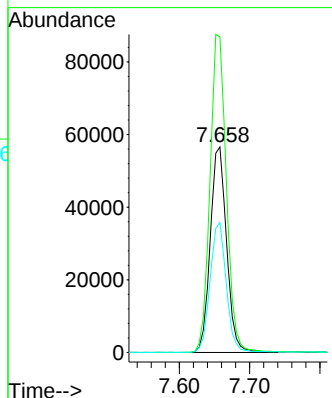


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 77
Delta R.T. -0.005 min
Lab File: BP024699.D
Acq: 19 May 2025 21:43

Instrument :
BNA_P
ClientSampleId :

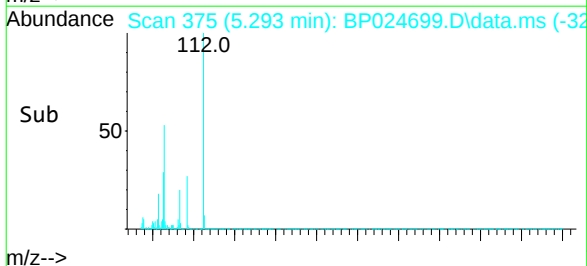
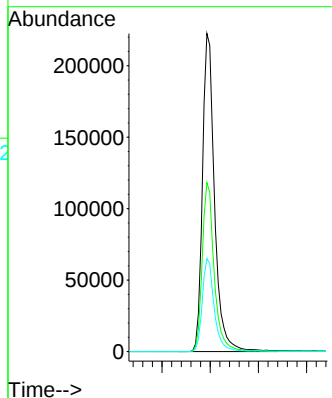
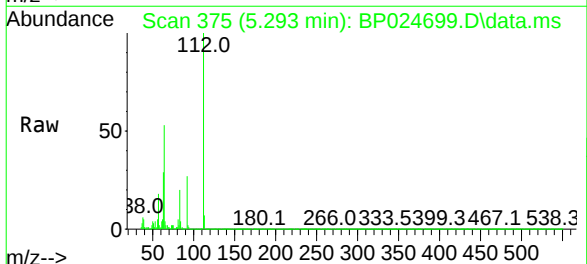


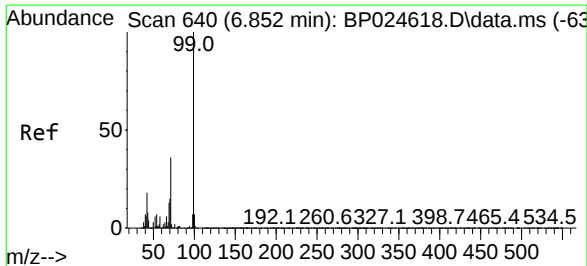
Tgt Ion:152 Resp: 91446
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 63.2 50.1 75.1



#5
2-Fluorophenol
Concen: 72.499 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024699.D
Acq: 19 May 2025 21:43

Tgt Ion:112 Resp: 387619
Ion Ratio Lower Upper
112 100
64 53.1 44.1 66.1
63 29.3 23.5 35.3





#7

Phenol-d6

Concen: 80.244 ng

RT: 6.864 min Scan# 64

Delta R.T. 0.012 min

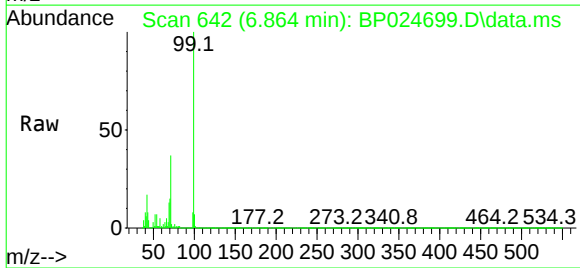
Lab File: BP024699.D

Acq: 19 May 2025 21:43

Instrument :

BNA_P

ClientSampleId :



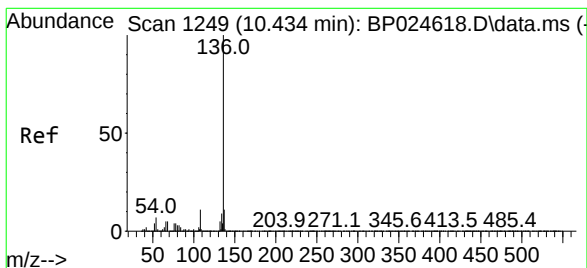
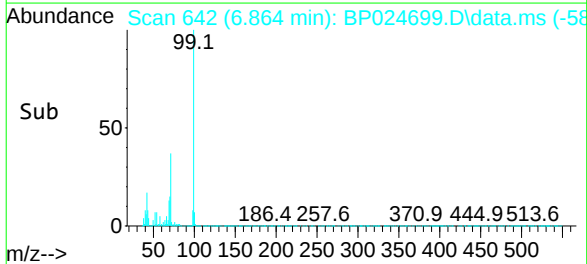
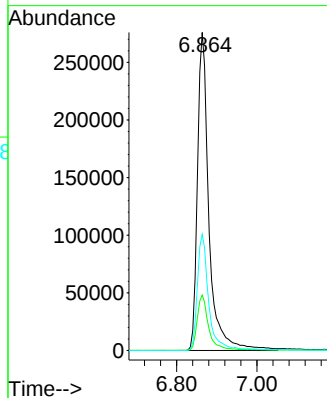
Tgt Ion: 99 Resp: 547558

Ion Ratio Lower Upper

99 100

42 17.4 14.4 21.6

71 36.5 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: BP024699.D

Acq: 19 May 2025 21:43

Tgt Ion: 136 Resp: 365968

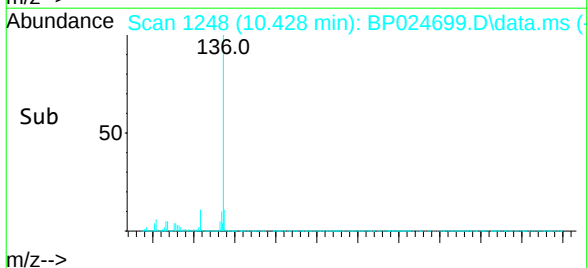
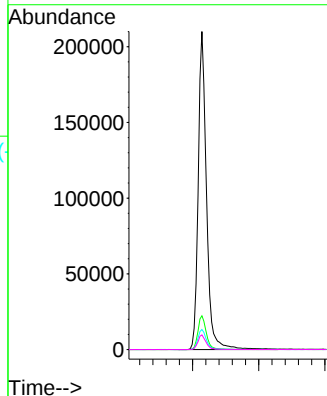
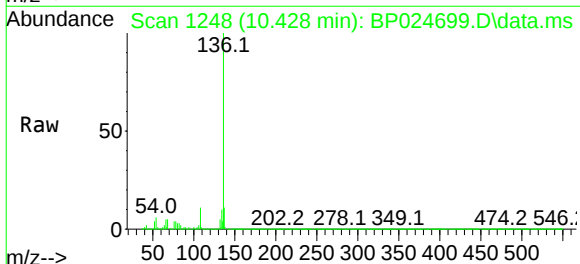
Ion Ratio Lower Upper

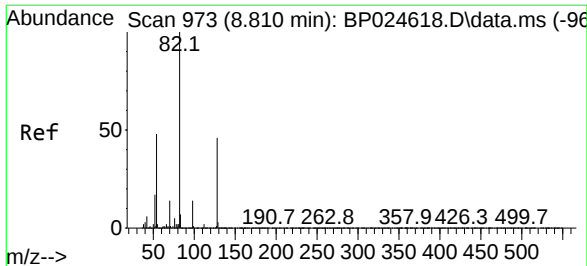
136 100

137 10.6 8.8 13.2

54 6.3 5.5 8.3

68 4.6 4.2 6.2

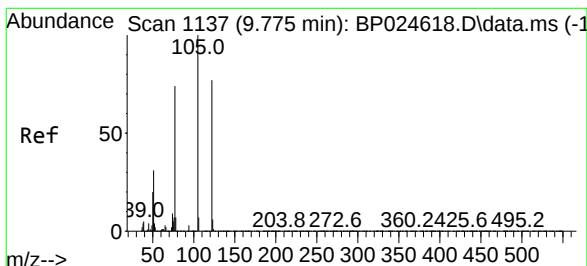
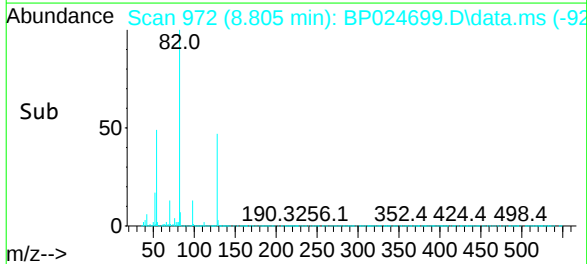
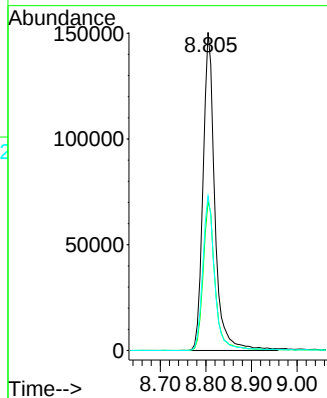
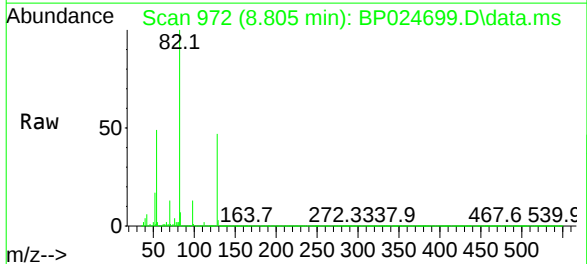




#23
Nitrobenzene-d5
Concen: 37.372 ng
RT: 8.805 min Scan# 97
Delta R.T. -0.006 min
Lab File: BP024699.D
Acq: 19 May 2025 21:43

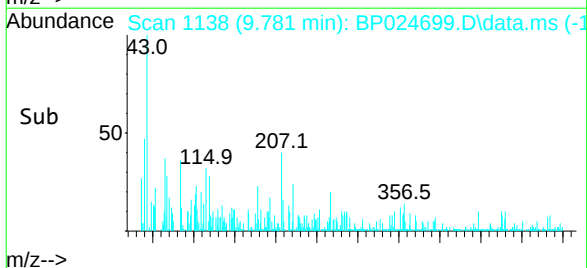
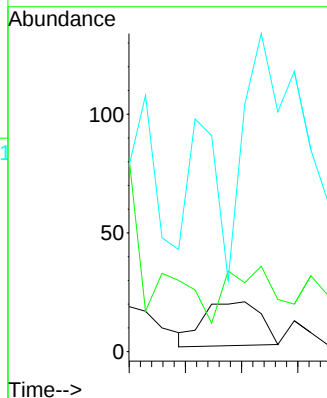
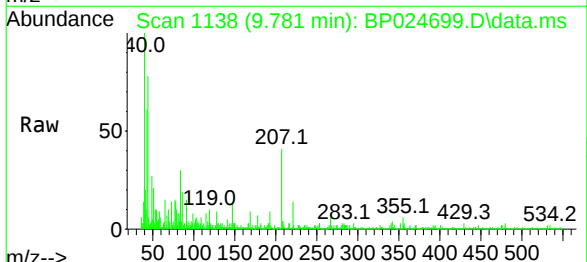
Instrument :
BNA_P
ClientSampleId :

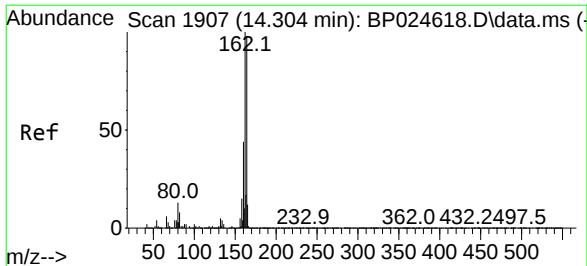
Tgt Ion: 82 Resp: 270690
Ion Ratio Lower Upper
82 100
128 46.8 37.0 55.4
54 48.5 38.7 58.1



#32
Benzoic acid
Concen: 7.474 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024699.D
Acq: 19 May 2025 21:43

Tgt Ion: 122 Resp: 26
Ion Ratio Lower Upper
122 100
105 138.1 106.9 146.9
77 495.2 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.287 min Scan# 1904

Delta R.T. -0.017 min

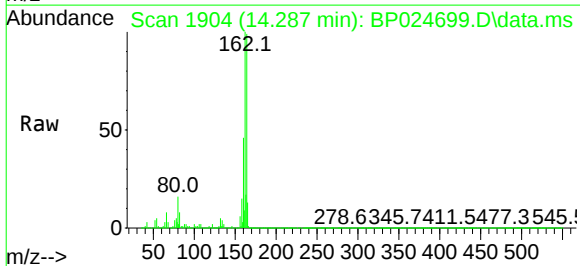
Lab File: BP024699.D

Acq: 19 May 2025 21:43

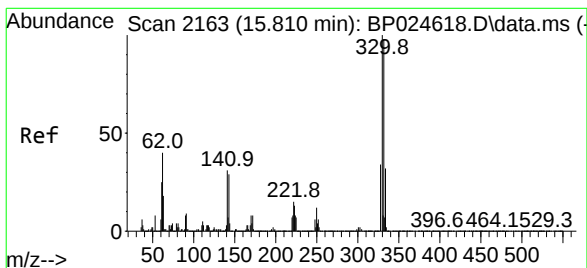
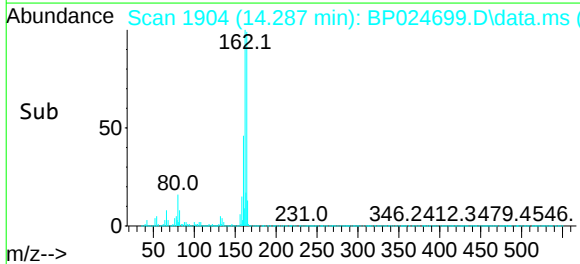
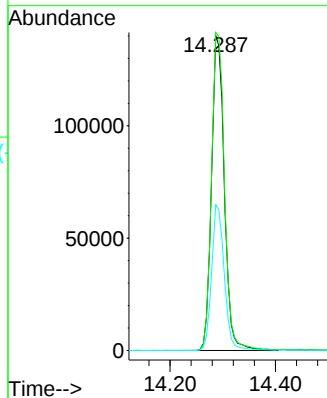
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	164	Resp:	236795
Ion Ratio	Lower	Upper	
164	100		
162	101.1	81.8	122.6
160	46.3	36.3	54.5



#42

2,4,6-Tribromophenol

Concen: 91.932 ng

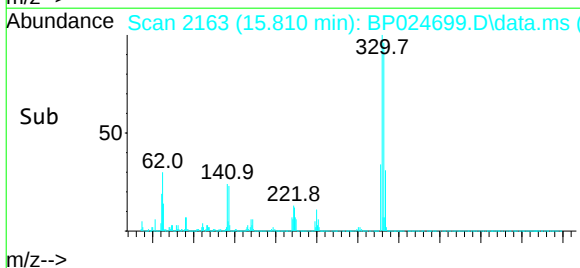
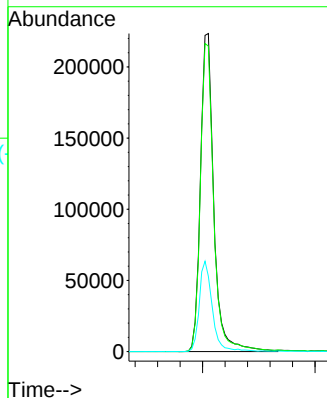
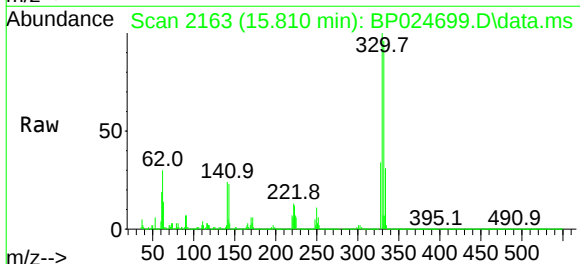
RT: 15.810 min Scan# 2163

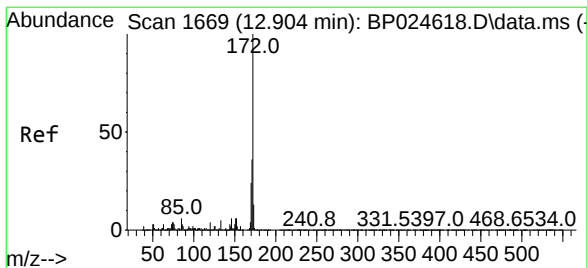
Delta R.T. 0.000 min

Lab File: BP024699.D

Acq: 19 May 2025 21:43

Tgt Ion:	330	Resp:	369047
Ion Ratio	Lower	Upper	
330	100		
332	96.7	78.2	117.4
141	27.8	24.3	36.5





#45

2-Fluorobiphenyl

Concen: 41.956 ng

RT: 12.899 min Scan# 16

Delta R.T. -0.006 min

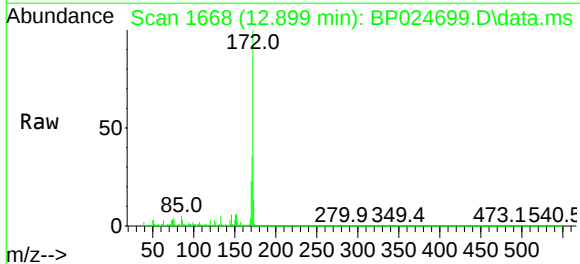
Lab File: BP024699.D

Acq: 19 May 2025 21:43

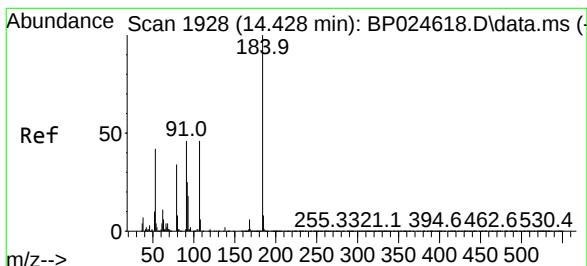
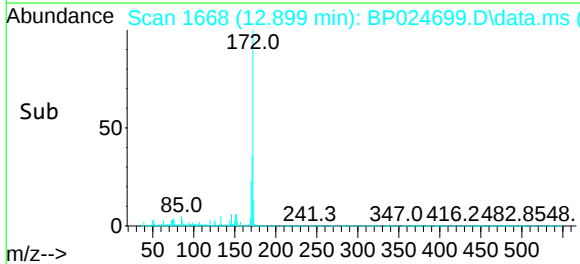
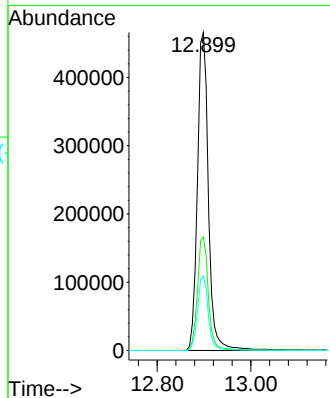
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	172	Resp:	758326
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.5	18.8	28.2



#54

2,4-Dinitrophenol

Concen: 6.410 ng

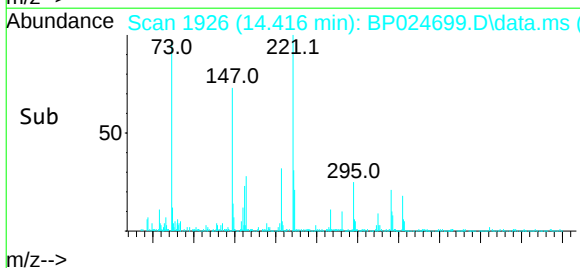
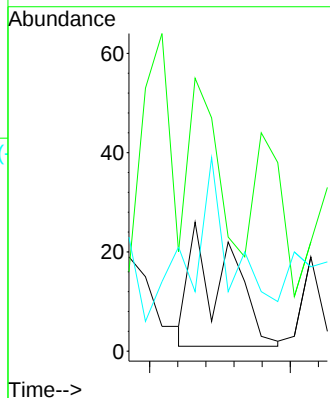
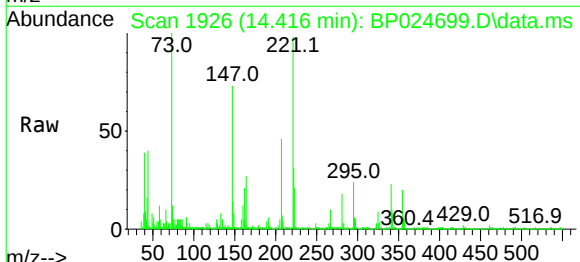
RT: 14.416 min Scan# 1926

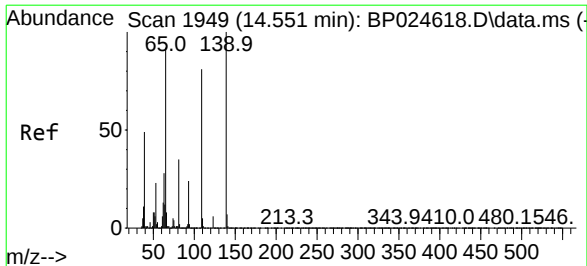
Delta R.T. -0.012 min

Lab File: BP024699.D

Acq: 19 May 2025 21:43

Tgt Ion:	184	Resp:	24
Ion	Ratio	Lower	Upper
184	100		
63	211.5	51.3	76.9#
154	73.1	53.5	80.3





#56

4-Nitrophenol

Concen: 4.239 ng

RT: 14.546 min Scan# 19

Delta R.T. -0.005 min

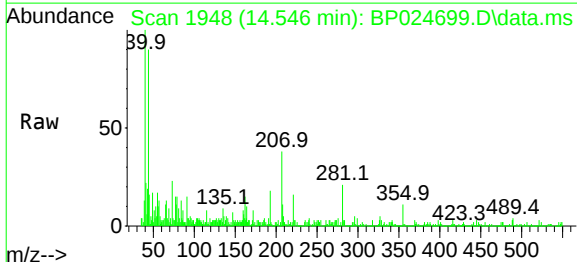
Lab File: BP024699.D

Acq: 19 May 2025 21:43

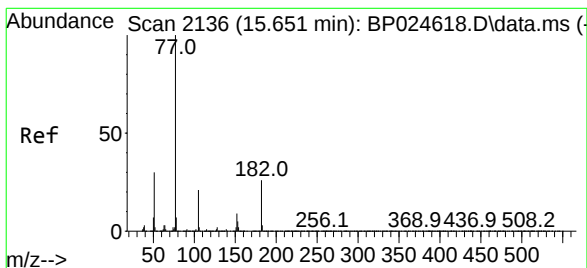
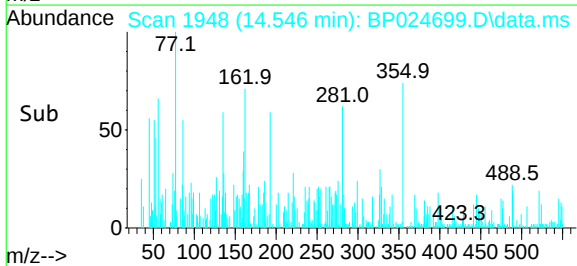
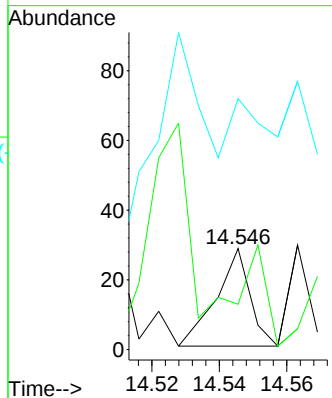
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	139	Resp:	19
Ion	Ratio	Lower	Upper
139	100		
109	44.8	61.4	101.4#
65	248.3	72.2	112.2#



#63

Azobenzene

Concen: 6.320 ng

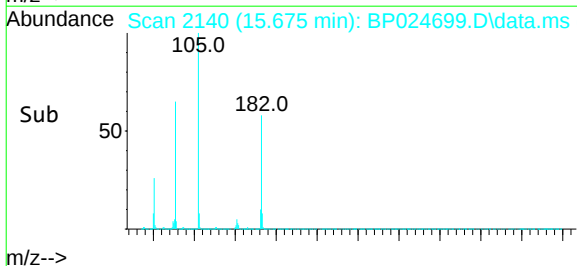
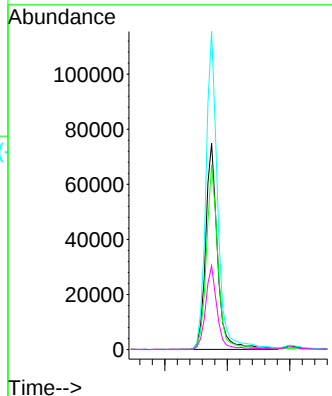
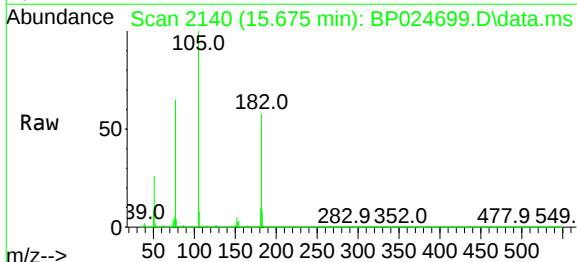
RT: 15.675 min Scan# 2140

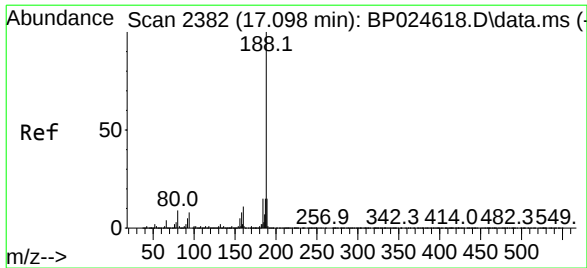
Delta R.T. 0.024 min

Lab File: BP024699.D

Acq: 19 May 2025 21:43

Tgt Ion:	77	Resp:	98621
Ion	Ratio	Lower	Upper
77	100		
182	89.5	5.7	45.7#
105	154.1	1.3	41.3#
51	40.6	10.6	50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.087 min Scan# 23

Delta R.T. -0.012 min

Lab File: BP024699.D

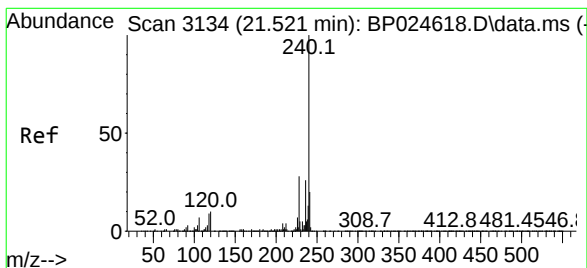
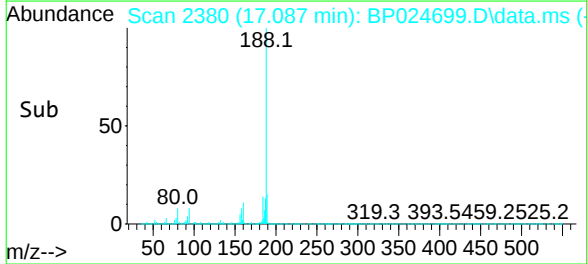
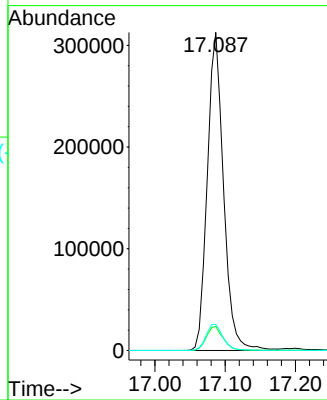
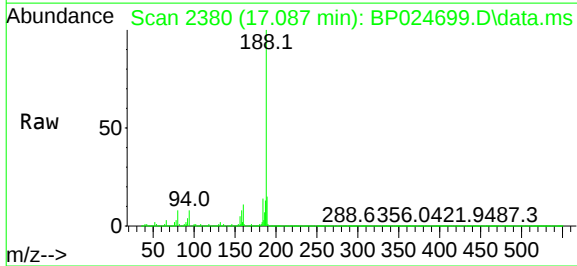
Acq: 19 May 2025 21:43

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	188	Resp:	501595
Ion Ratio	Lower	Upper	
188	100		
94	7.6	6.5	9.7
80	8.2	7.3	10.9



#76

Chrysene-d12

Concen: 20.000 ng

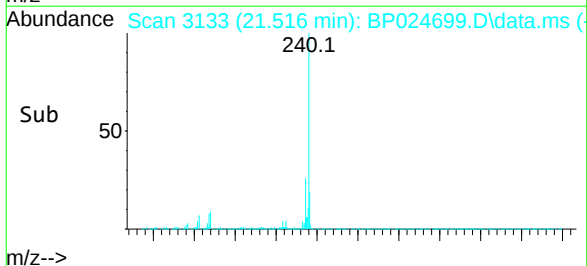
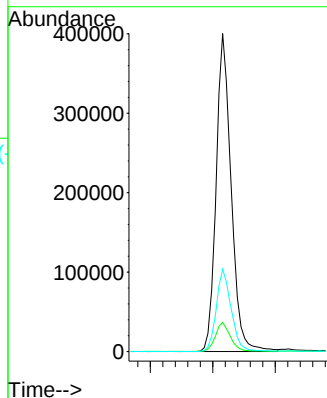
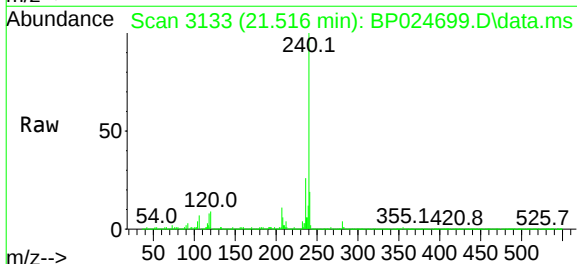
RT: 21.516 min Scan# 3133

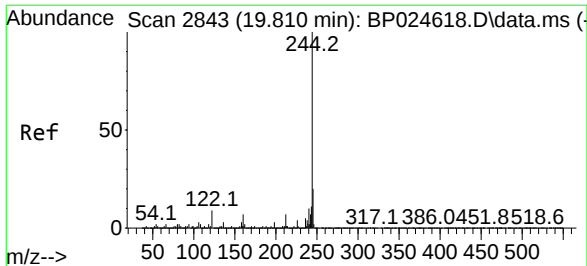
Delta R.T. -0.006 min

Lab File: BP024699.D

Acq: 19 May 2025 21:43

Tgt Ion:	240	Resp:	667585
Ion Ratio	Lower	Upper	
240	100		
120	9.2	7.8	11.6
236	25.9	20.6	31.0





#79

Terphenyl-d14

Concen: 46.014 ng

RT: 19.804 min Scan# 28

Delta R.T. -0.006 min

Lab File: BP024699.D

Acq: 19 May 2025 21:43

Instrument :

BNA_P

ClientSampleId :

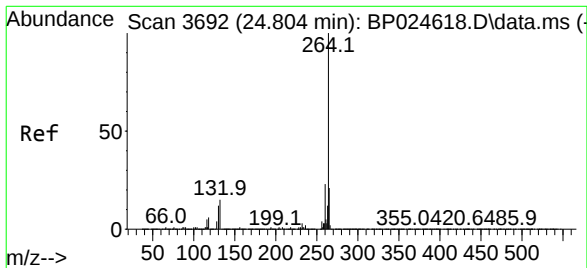
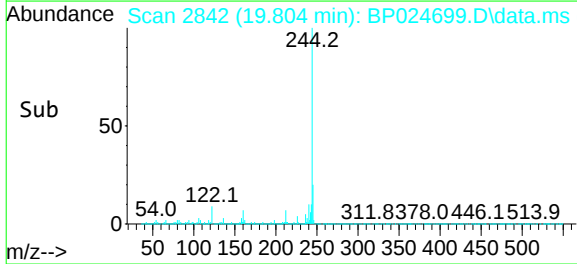
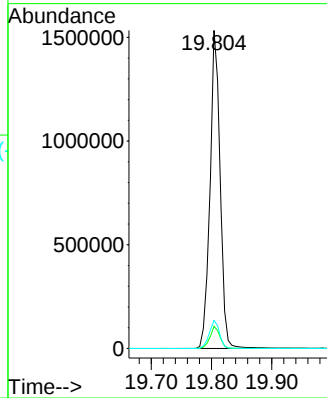
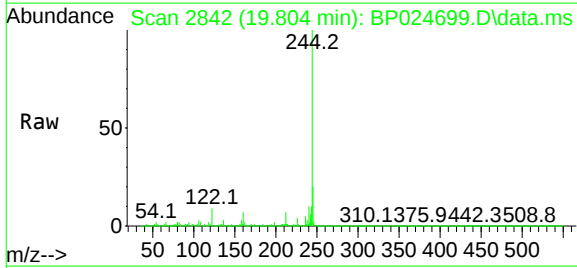
Tgt Ion:244 Resp: 1791468

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 8.8 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 3691

Delta R.T. -0.006 min

Lab File: BP024699.D

Acq: 19 May 2025 21:43

Tgt Ion:264 Resp: 916691

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.0 17.0 25.6

