

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051925\
 Data File : BP024700.D
 Acq On : 19 May 2025 22:24
 Operator : RC/JU
 Sample : Q2071-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 20 03:48:20 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)

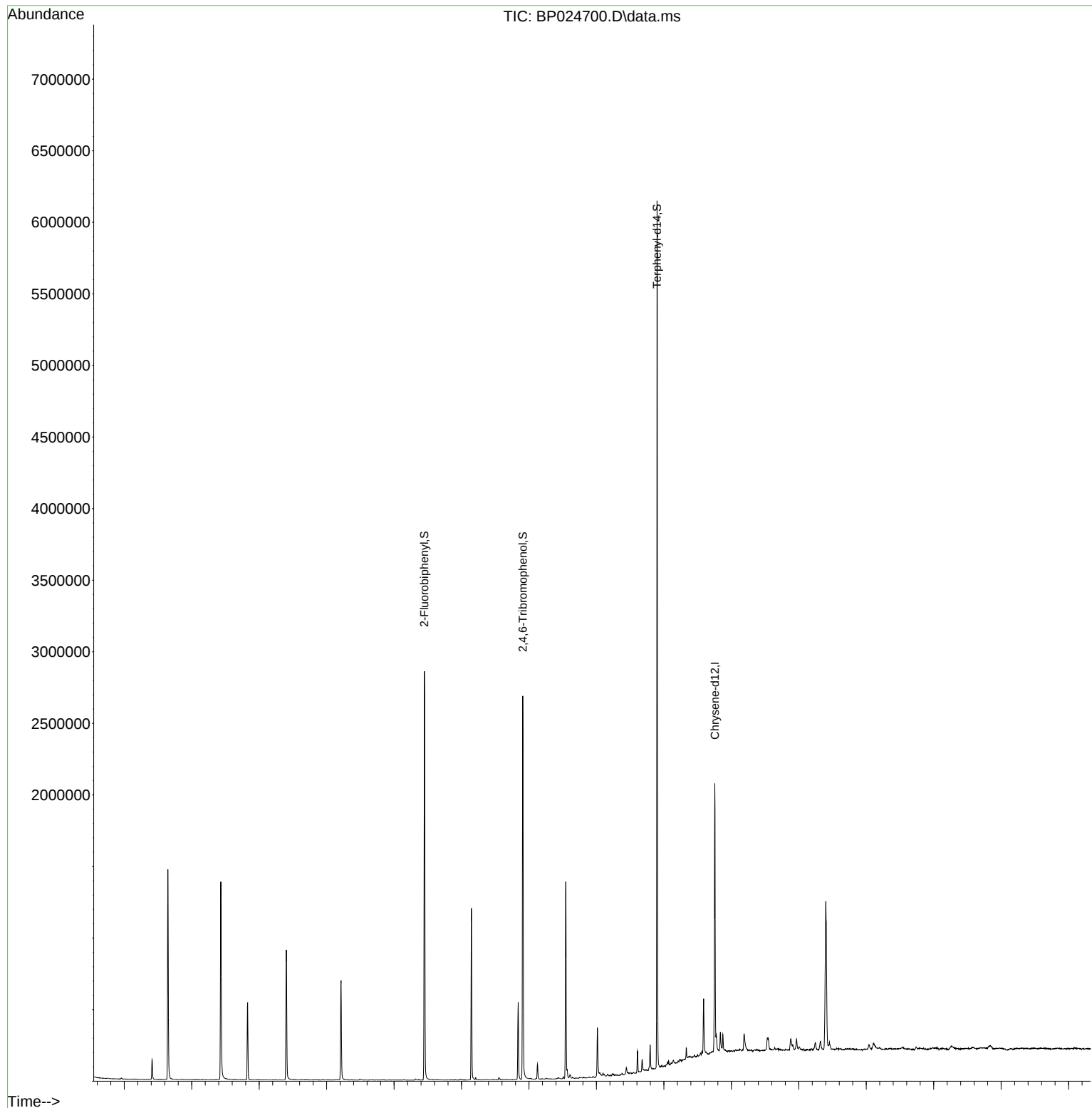
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	147231	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	604495	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	416182	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	857999	20.000	ng	0.00
76) Chrysene-d12	21.510	240	1070120	20.000	ng	-0.01
86) Perylene-d12	24.804	264	1183970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	683086	79.353	ng	0.00
7) Phenol-d6	6.863	99	888372	80.861	ng	0.01
23) Nitrobenzene-d5	8.805	82	549889	45.962	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	670291	95.003	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1536859	48.380	ng	0.00
79) Terphenyl-d14	19.798	244	2947038	47.222	ng	-0.01
Target Compounds						
32) Benzoic acid	9.781	122	20	7.471	ng	# 1
54) 2,4-Dinitrophenol	14.445	184	27	6.407	ng	# 51
56) 4-Nitrophenol	14.392	139	19	4.237	ng	92
63) Azobenzene	15.681	77	169506	6.180	ng	# 1

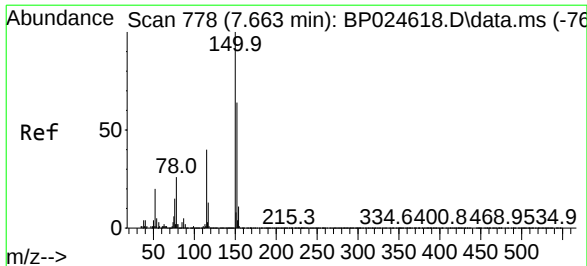
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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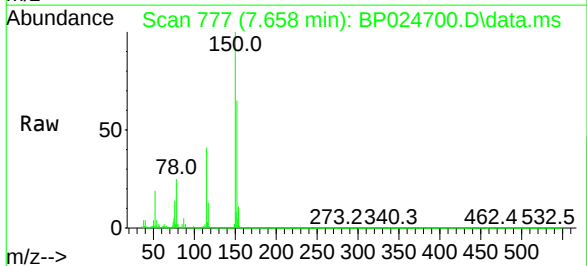
Quant Time: May 20 03:48:20 2025
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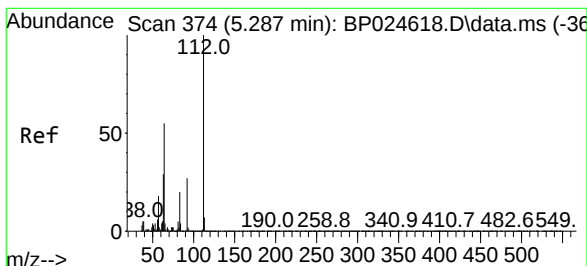
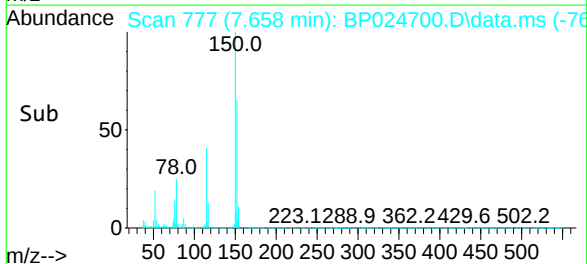
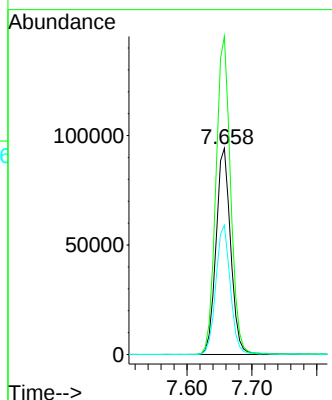


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 77
Delta R.T. -0.005 min
Lab File: BP024700.D
Acq: 19 May 2025 22:24

Instrument :
BNA_P
ClientSampleId :

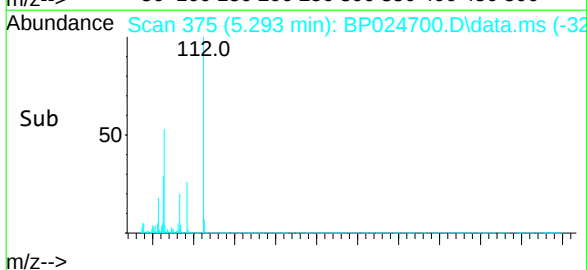
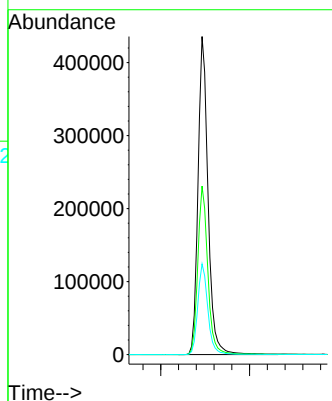
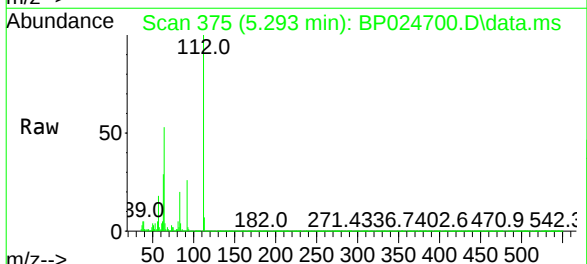


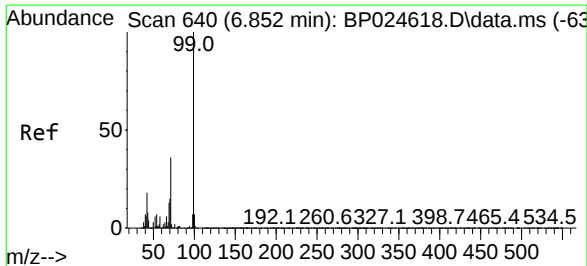
Tgt Ion:152 Resp: 147231
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 62.7 50.1 75.1



#5
2-Fluorophenol
Concen: 79.353 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024700.D
Acq: 19 May 2025 22:24

Tgt Ion:112 Resp: 683086
Ion Ratio Lower Upper
112 100
64 53.0 44.1 66.1
63 28.5 23.5 35.3

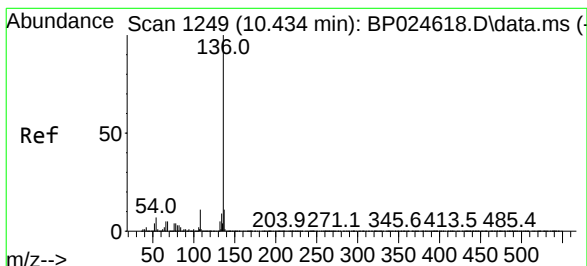
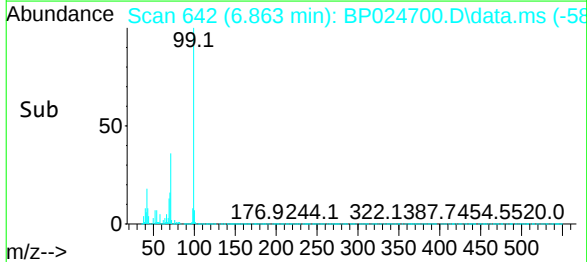
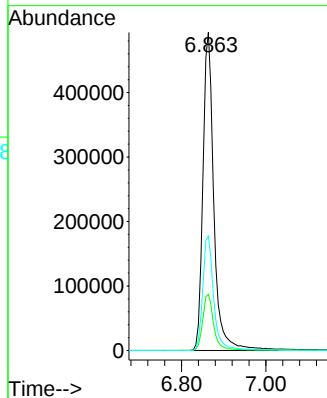
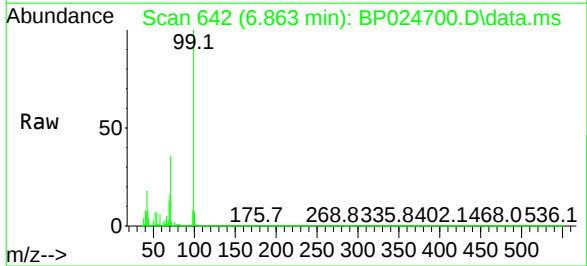




#7
Phenol-d6
Concen: 80.861 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024700.D
Acq: 19 May 2025 22:24

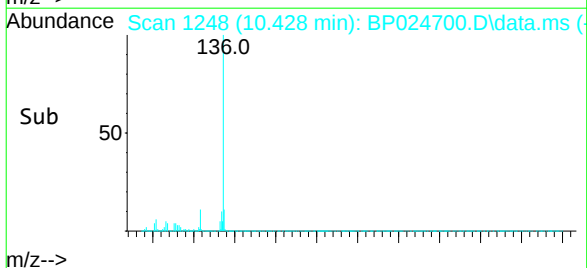
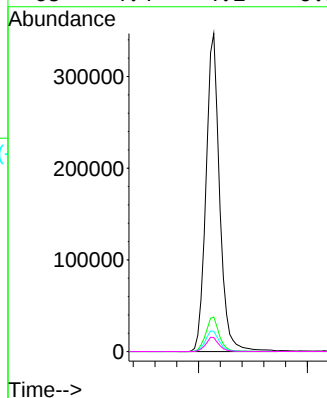
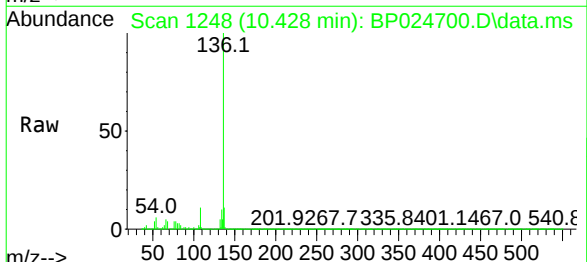
Instrument :
BNA_P
ClientSampleId :

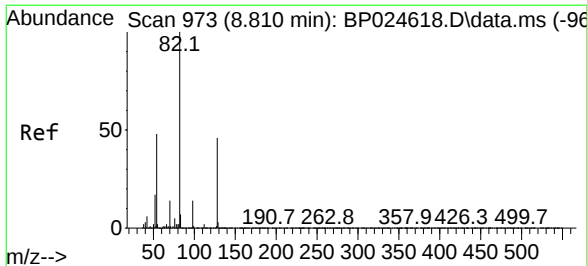
Tgt Ion: 99 Resp: 888372
Ion Ratio Lower Upper
99 100
42 17.7 14.4 21.6
71 36.0 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024700.D
Acq: 19 May 2025 22:24

Tgt Ion: 136 Resp: 604495
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.4 5.5 8.3
68 4.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 45.962 ng

RT: 8.805 min Scan# 97

Delta R.T. -0.006 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

Instrument :

BNA_P

ClientSampleId :

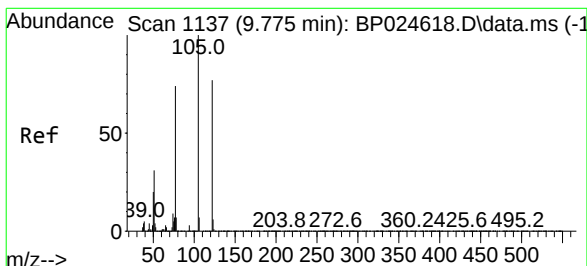
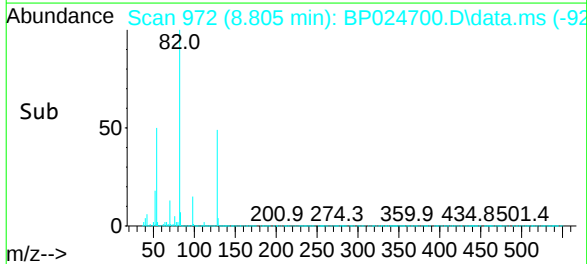
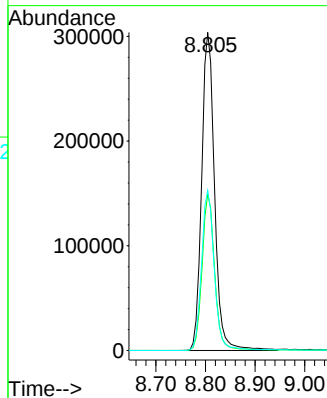
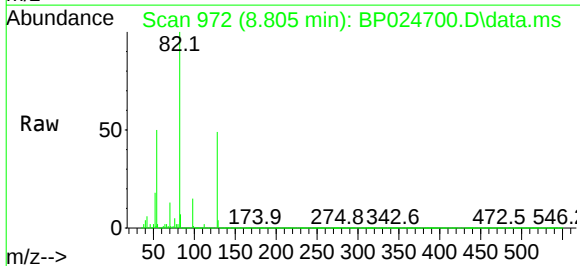
Tgt Ion: 82 Resp: 549889

Ion Ratio Lower Upper

82 100

128 49.1 37.0 55.4

54 50.3 38.7 58.1



#32

Benzoic acid

Concen: 7.471 ng

RT: 9.781 min Scan# 1138

Delta R.T. 0.006 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

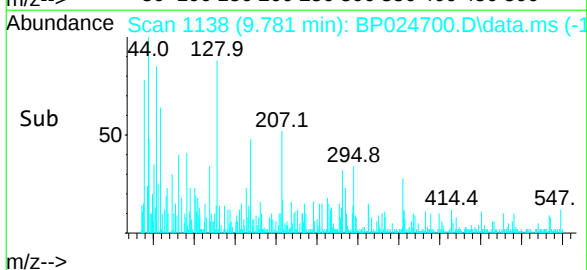
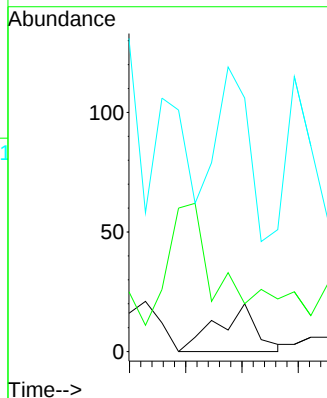
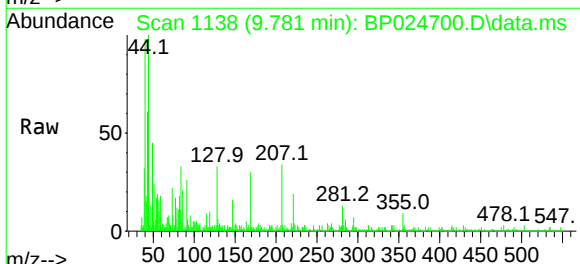
Tgt Ion: 122 Resp: 20

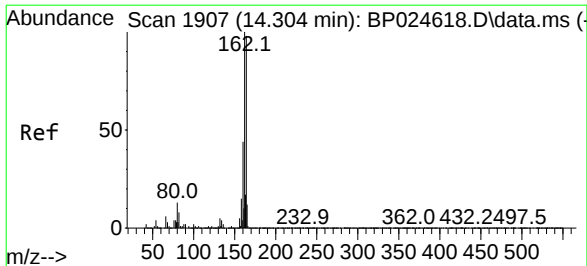
Ion Ratio Lower Upper

122 100

105 100.0 106.9 146.9#

77 715.0 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.292 min Scan# 19

Delta R.T. -0.012 min

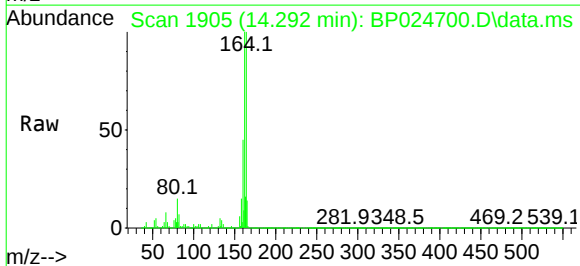
Lab File: BP024700.D

Acq: 19 May 2025 22:24

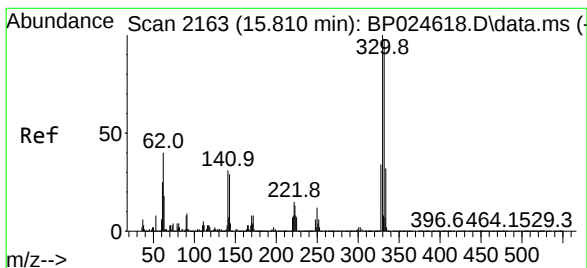
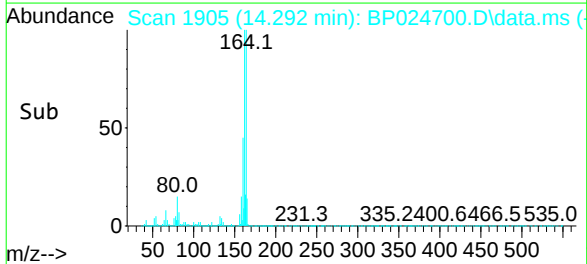
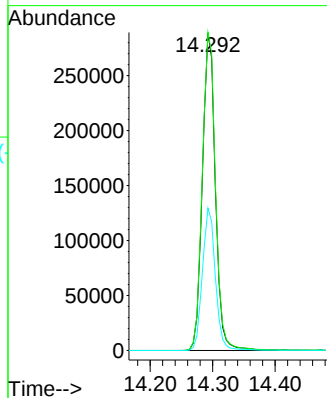
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	164	Resp:	416182
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.8	122.6
160	44.8	36.3	54.5



#42

2,4,6-Tribromophenol

Concen: 95.003 ng

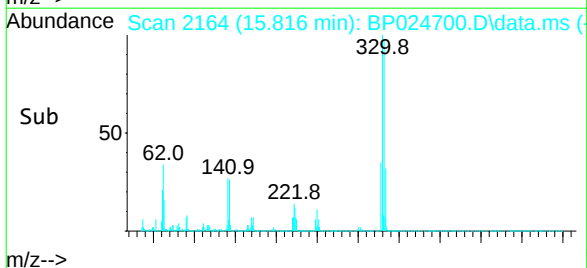
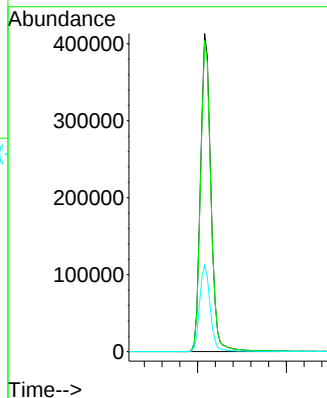
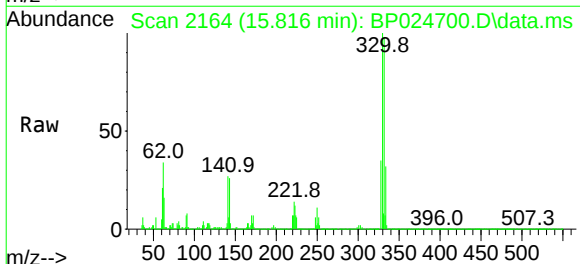
RT: 15.816 min Scan# 2164

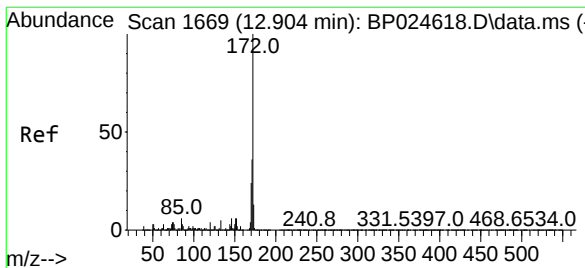
Delta R.T. 0.006 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

Tgt Ion:	330	Resp:	670291
Ion Ratio	Lower	Upper	
330	100		
332	97.7	78.2	117.4
141	27.9	24.3	36.5





#45

2-Fluorobiphenyl

Concen: 48.380 ng

RT: 12.898 min Scan# 1669

Delta R.T. -0.006 min

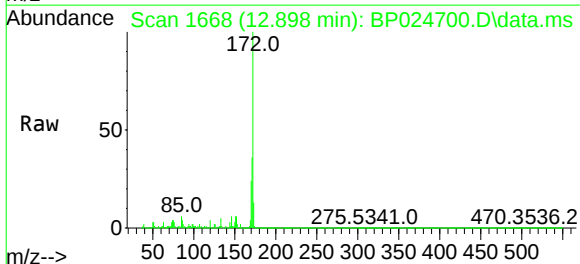
Lab File: BP024700.D

Acq: 19 May 2025 22:24

Instrument :

BNA_P

ClientSampleId :



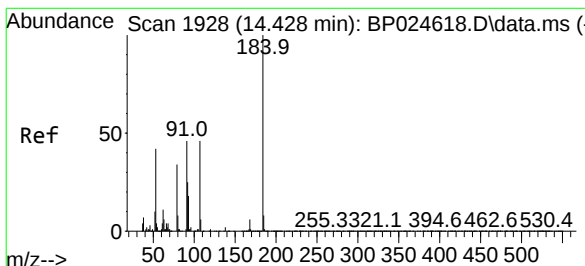
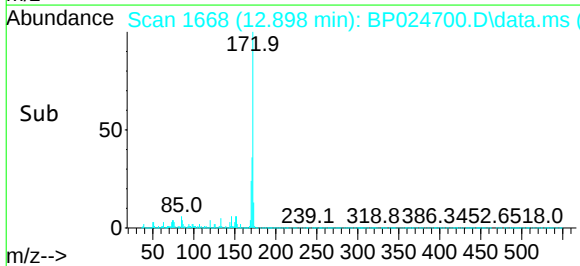
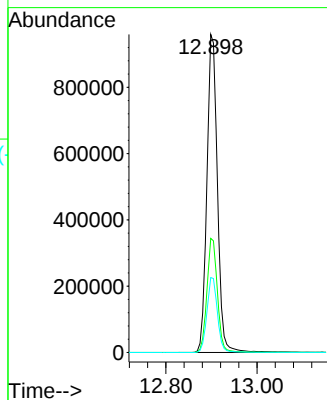
Tgt Ion:172 Resp: 1536859

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.6 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.407 ng

RT: 14.445 min Scan# 1931

Delta R.T. 0.017 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

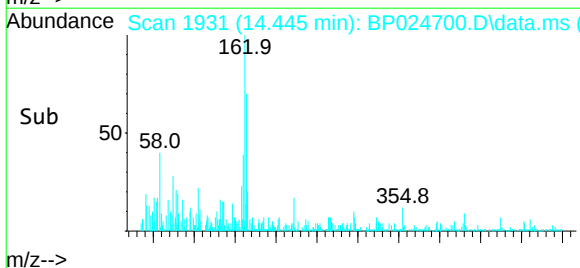
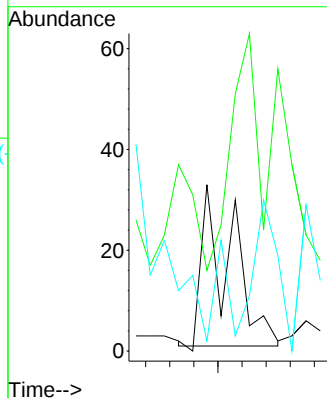
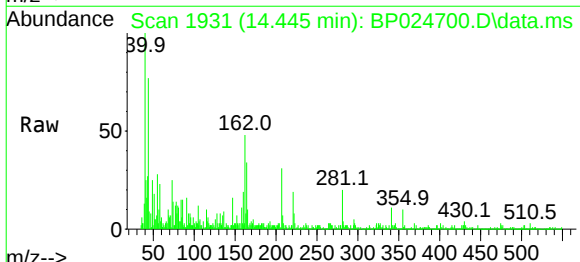
Tgt Ion:184 Resp: 27

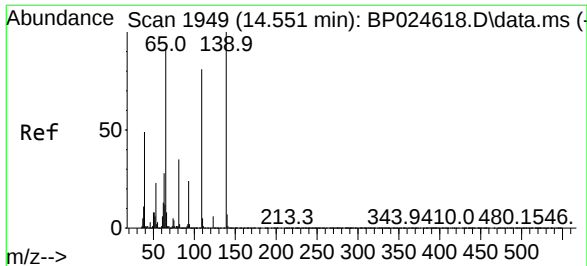
Ion Ratio Lower Upper

184 100

63 48.5 51.3 76.9#

154 6.1 53.5 80.3#





#56

4-Nitrophenol

Concen: 4.237 ng

RT: 14.392 min Scan# 19

Delta R.T. -0.159 min

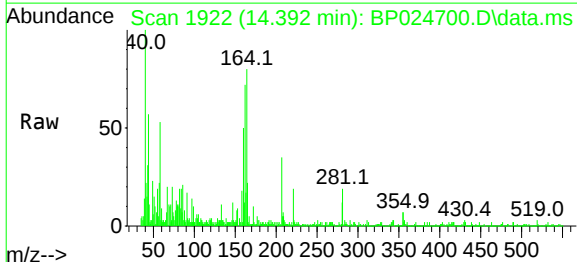
Lab File: BP024700.D

Acq: 19 May 2025 22:24

Instrument :

BNA_P

ClientSampleId :



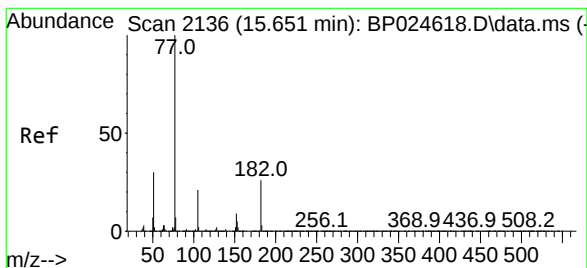
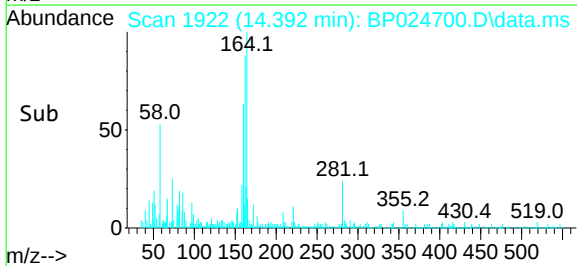
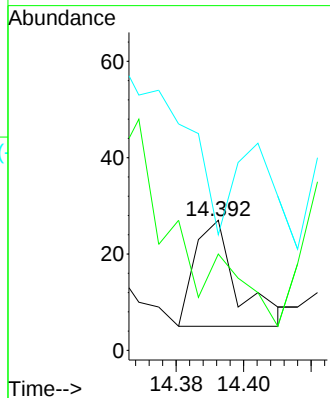
Tgt Ion:139 Resp: 19

Ion Ratio Lower Upper

139 100

109 92.6 61.4 101.4

65 88.9 72.2 112.2



#63

Azobenzene

Concen: 6.180 ng

RT: 15.681 min Scan# 2141

Delta R.T. 0.029 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

Tgt Ion: 77 Resp: 169506

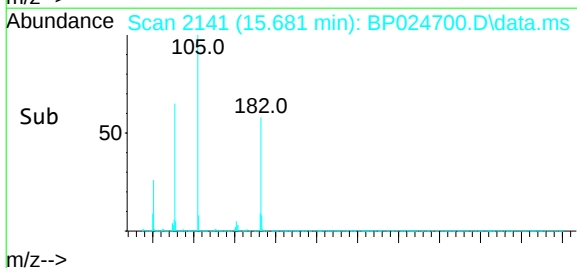
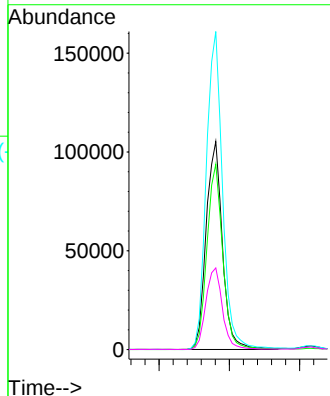
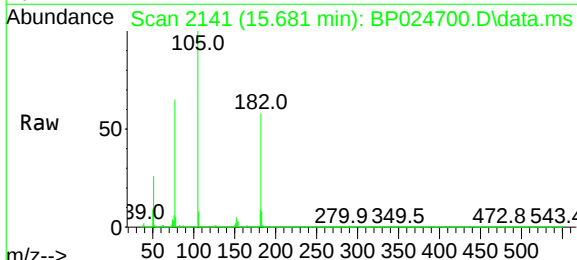
Ion Ratio Lower Upper

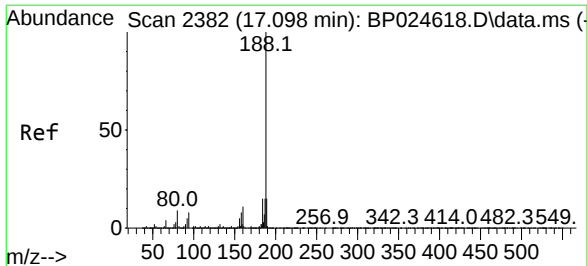
77 100

182 89.1 5.7 45.7#

105 152.9 1.3 41.3#

51 39.3 10.6 50.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 2381

Delta R.T. -0.006 min

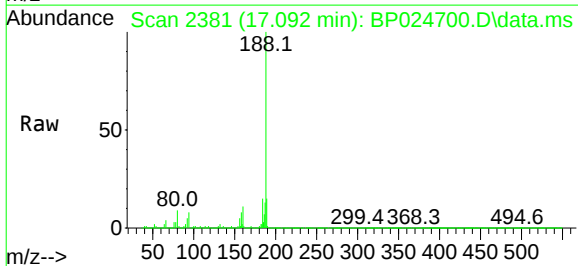
Lab File: BP024700.D

Acq: 19 May 2025 22:24

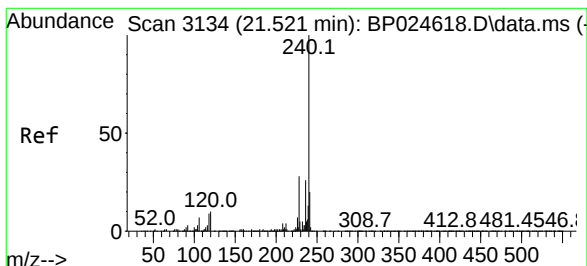
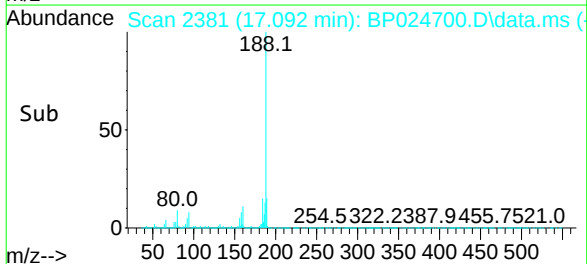
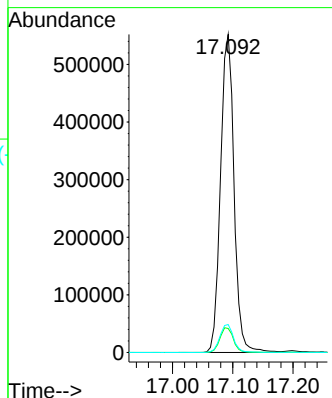
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	188	Resp:	857999
Ion Ratio	Lower	Upper	
188	100		
94	7.5	6.5	9.7
80	8.8	7.3	10.9



#76

Chrysene-d12

Concen: 20.000 ng

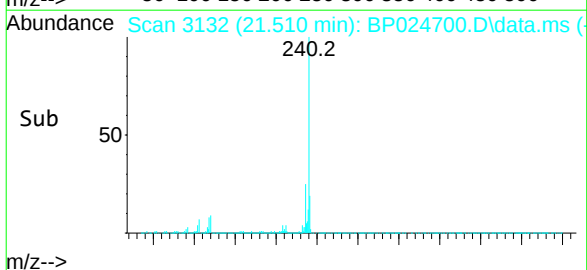
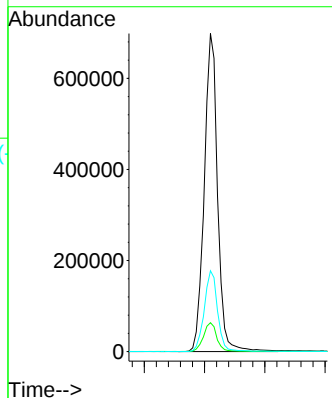
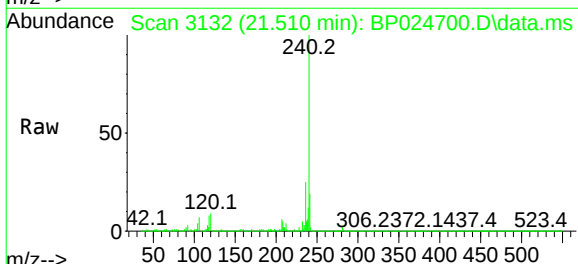
RT: 21.510 min Scan# 3132

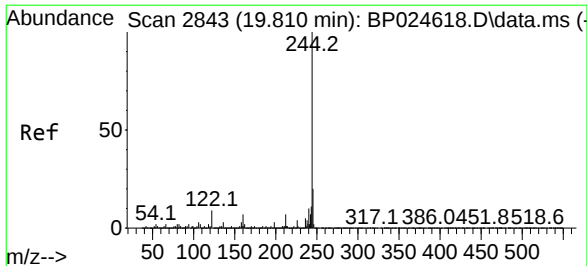
Delta R.T. -0.012 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

Tgt Ion:	240	Resp:	1070120
Ion Ratio	Lower	Upper	
240	100		
120	9.1	7.8	11.6
236	25.4	20.6	31.0





#79

Terphenyl-d14

Concen: 47.222 ng

RT: 19.798 min Scan# 2843

Delta R.T. -0.012 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

Instrument :

BNA_P

ClientSampleId :

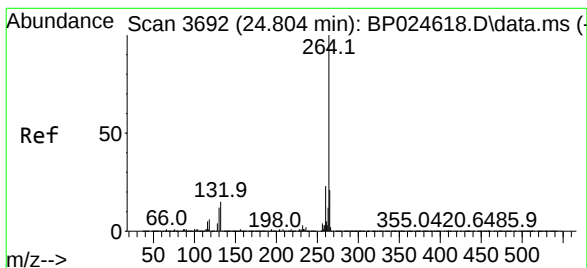
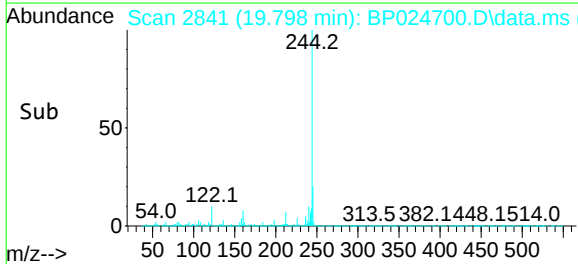
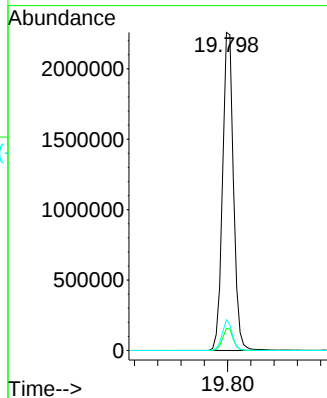
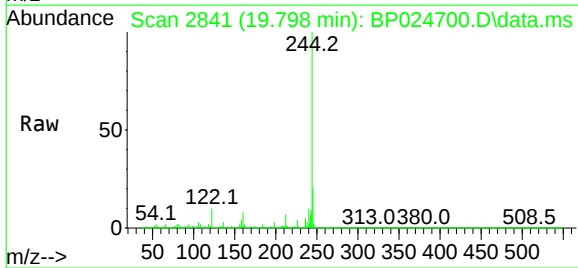
Tgt Ion:244 Resp: 2947038

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 9.7 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.804 min Scan# 3692

Delta R.T. 0.000 min

Lab File: BP024700.D

Acq: 19 May 2025 22:24

Tgt Ion:264 Resp: 1183970

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.7 17.0 25.6

