

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051925\
 Data File : BP024697.D
 Acq On : 19 May 2025 20:21
 Operator : RC/JU
 Sample : Q2070-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: May 20 03:47:13 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)

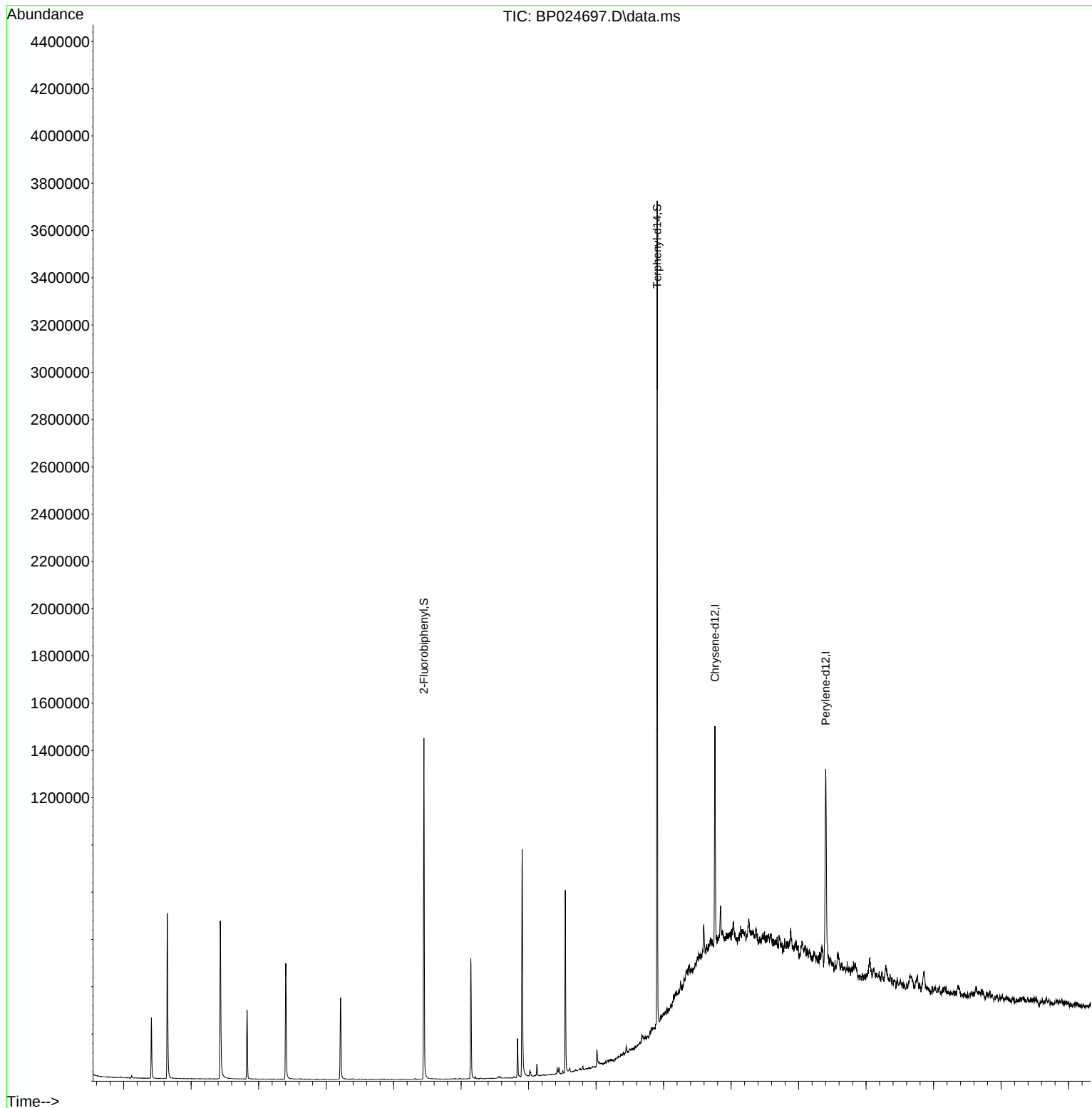
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	80116	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	328562	20.000	ng	0.00
39) Acenaphthene-d10	14.286	164	214975	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	452152	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	621786	20.000	ng	0.00
86) Perylene-d12	24.803	264	871420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	351743	75.092	ng	0.00
7) Phenol-d6	6.863	99	475119	79.475	ng	0.01
23) Nitrobenzene-d5	8.804	82	299789	46.102	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	252167	69.192	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	812494	49.516	ng	0.00
79) Terphenyl-d14	19.810	244	1676558	46.234	ng	0.00
Target Compounds						
32) Benzoic acid	9.781	122	20	7.473	ng	# 1
54) 2,4-Dinitrophenol	14.422	184	5	6.403	ng	# 1
56) 4-Nitrophenol	14.504	139	40	4.246	ng	91
63) Azobenzene	15.669	77	51021	3.601	ng	# 1

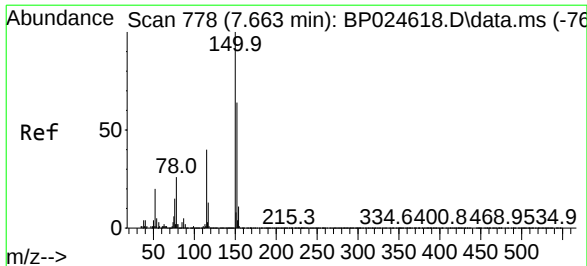
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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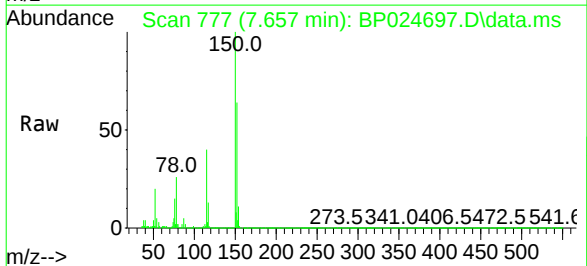
Quant Time: May 20 03:47:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
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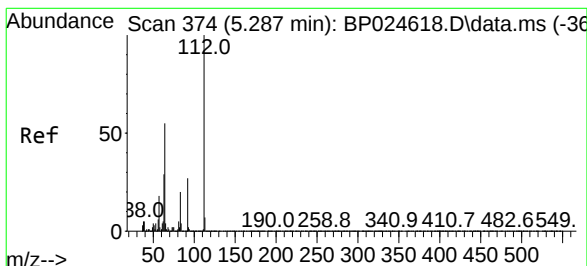
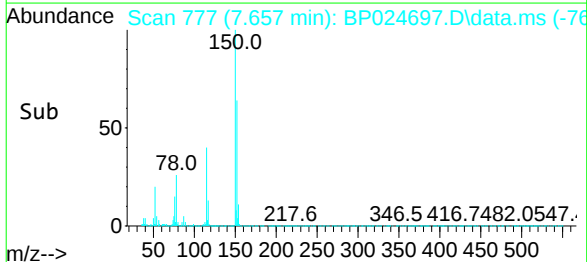
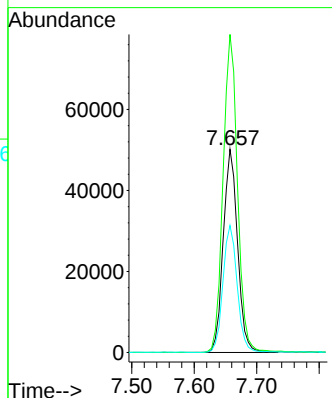


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 77
Delta R.T. -0.006 min
Lab File: BP024697.D
Acq: 19 May 2025 20:21

Instrument :
BNA_P
ClientSampleId :

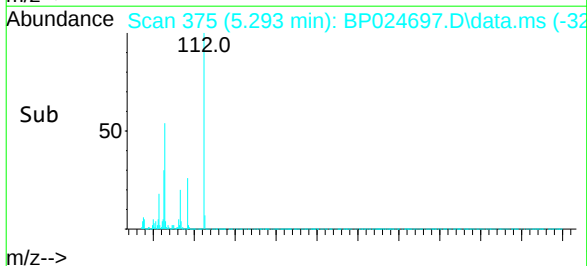
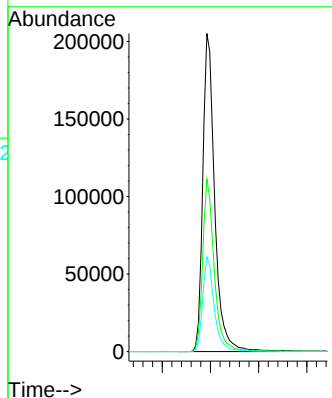
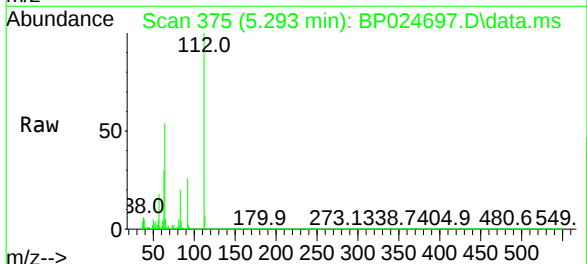


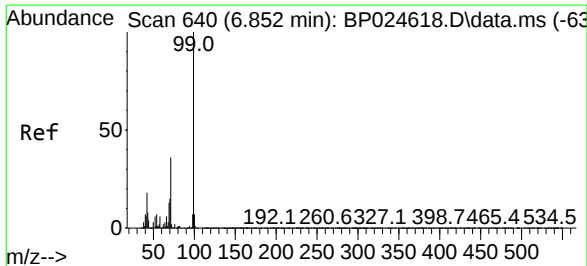
Tgt Ion:152 Resp: 80116
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 62.5 50.1 75.1



#5
2-Fluorophenol
Concen: 75.092 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024697.D
Acq: 19 May 2025 20:21

Tgt Ion:112 Resp: 351743
Ion Ratio Lower Upper
112 100
64 54.2 44.1 66.1
63 29.7 23.5 35.3

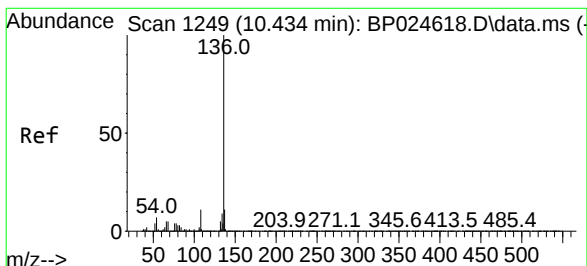
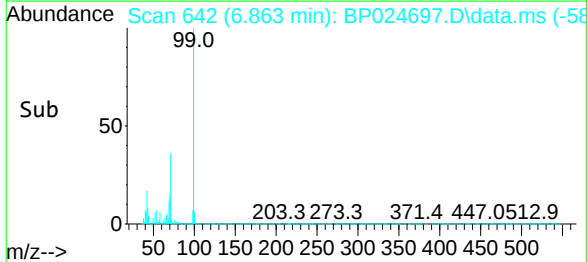
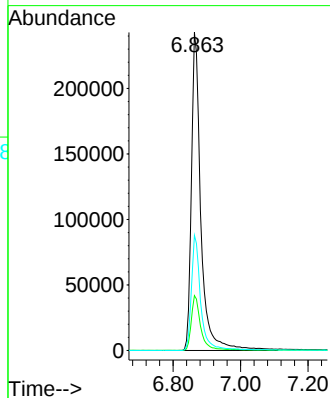
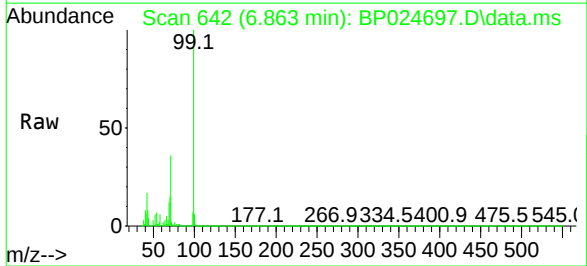




#7
 Phenol-d6
 Concen: 79.475 ng
 RT: 6.863 min Scan# 64
 Delta R.T. 0.012 min
 Lab File: BP024697.D
 Acq: 19 May 2025 20:21

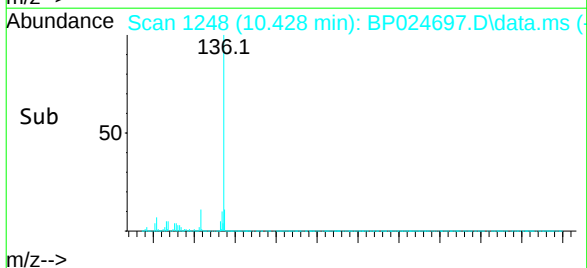
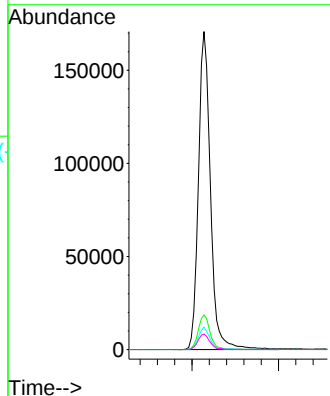
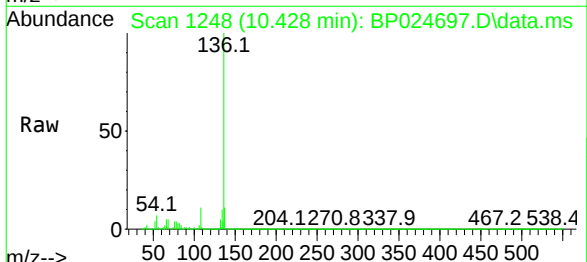
Instrument :
 BNA_P
 ClientSampleId :

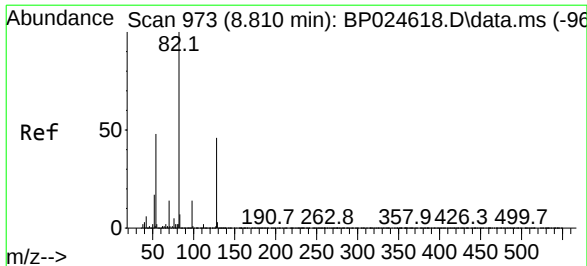
Tgt Ion: 99 Resp: 475119
 Ion Ratio Lower Upper
 99 100
 42 17.2 14.4 21.6
 71 36.2 29.2 43.8



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.428 min Scan# 1248
 Delta R.T. -0.006 min
 Lab File: BP024697.D
 Acq: 19 May 2025 20:21

Tgt Ion: 136 Resp: 328562
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.8 13.2
 54 7.1 5.5 8.3
 68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 46.102 ng

RT: 8.804 min Scan# 97

Delta R.T. -0.006 min

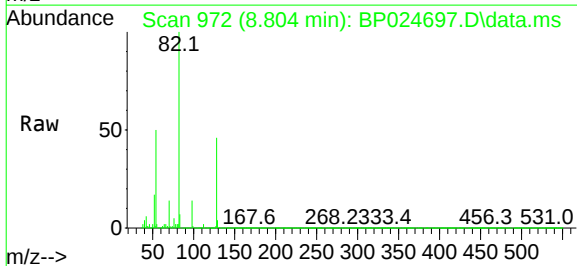
Lab File: BP024697.D

Acq: 19 May 2025 20:21

Instrument :

BNA_P

ClientSampleId :



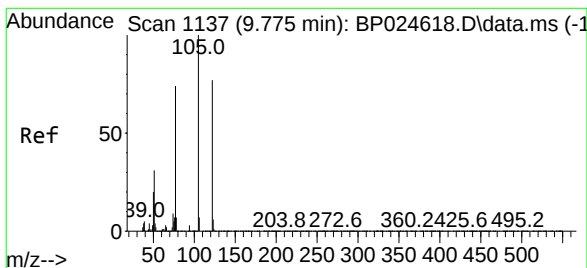
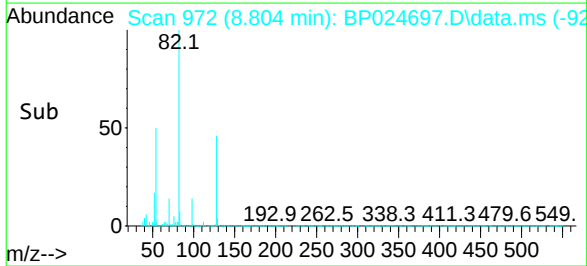
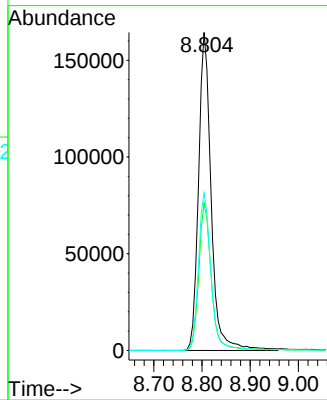
Tgt Ion: 82 Resp: 299789

Ion Ratio Lower Upper

82 100

128 46.4 37.0 55.4

54 49.5 38.7 58.1



#32

Benzoic acid

Concen: 7.473 ng

RT: 9.781 min Scan# 1138

Delta R.T. 0.006 min

Lab File: BP024697.D

Acq: 19 May 2025 20:21

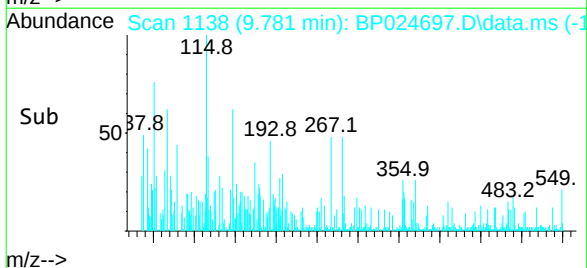
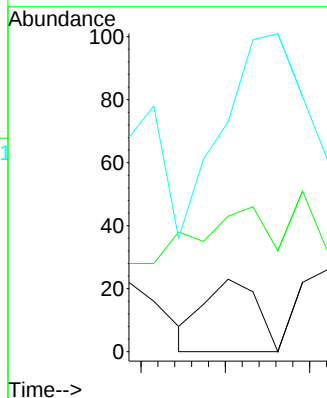
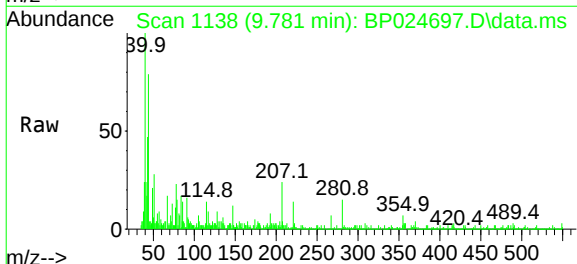
Tgt Ion: 122 Resp: 20

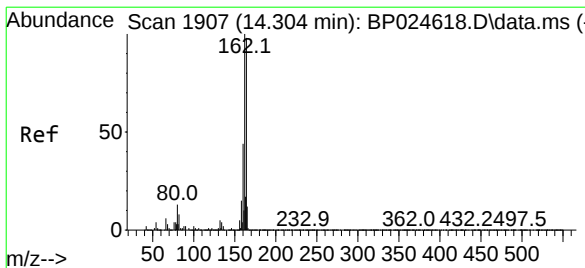
Ion Ratio Lower Upper

122 100

105 187.0 106.9 146.9#

77 317.4 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.286 min Scan# 1904

Delta R.T. -0.018 min

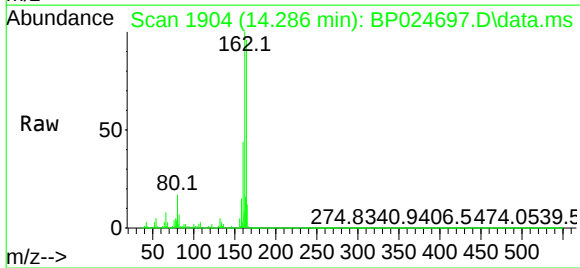
Lab File: BP024697.D

Acq: 19 May 2025 20:21

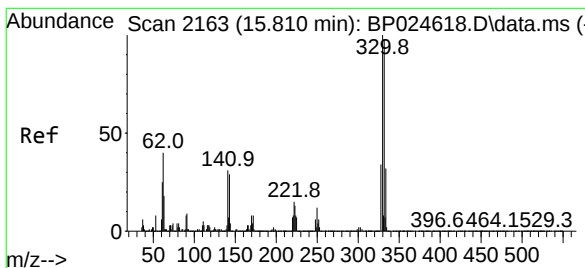
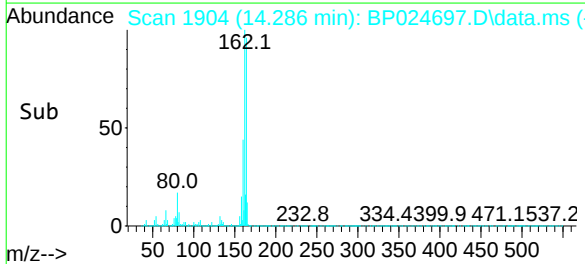
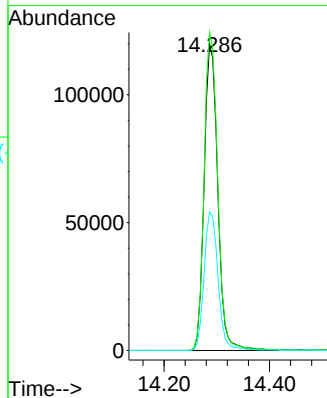
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	164	Resp:	214975
Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	45.3	36.3	54.5



#42

2,4,6-Tribromophenol

Concen: 69.192 ng

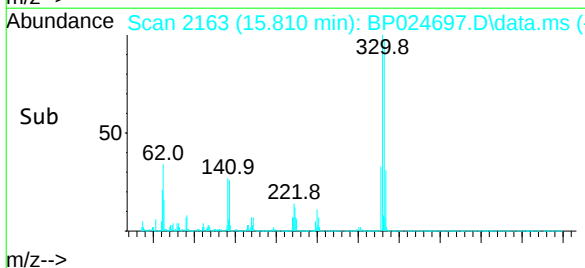
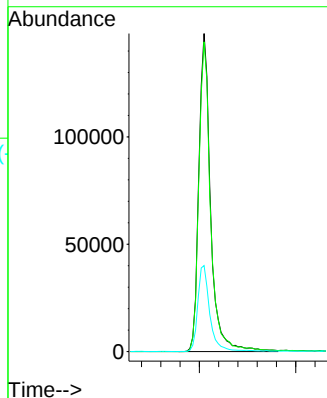
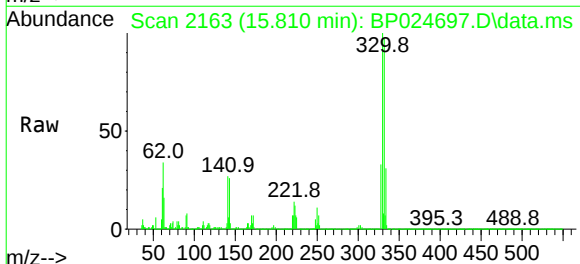
RT: 15.810 min Scan# 2163

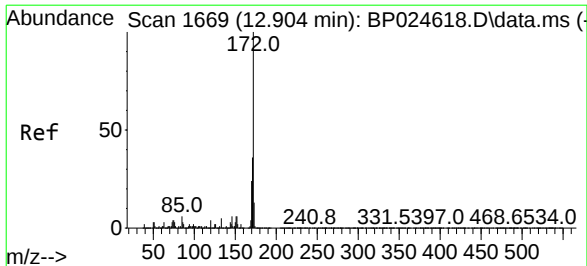
Delta R.T. -0.000 min

Lab File: BP024697.D

Acq: 19 May 2025 20:21

Tgt Ion:	330	Resp:	252167
Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.2	117.4
141	27.8	24.3	36.5





#45

2-Fluorobiphenyl

Concen: 49.516 ng

RT: 12.898 min Scan# 1669

Delta R.T. -0.006 min

Lab File: BP024697.D

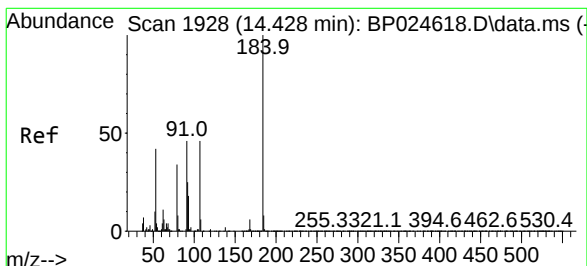
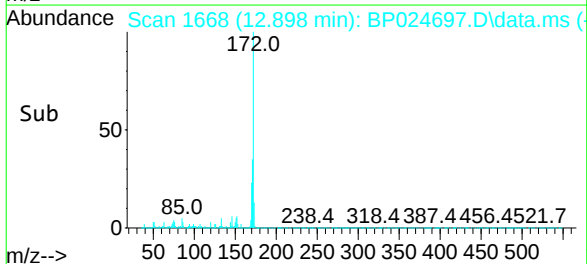
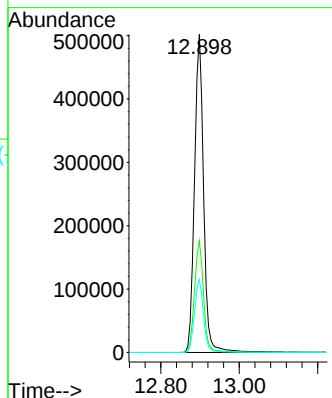
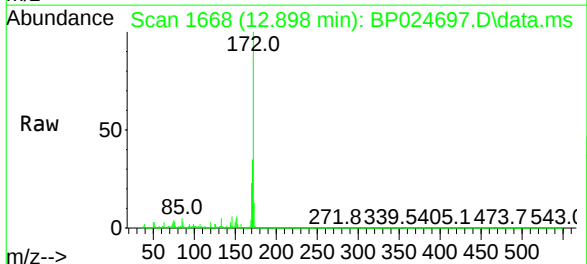
Acq: 19 May 2025 20:21

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	172	Resp:	812494
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.8	43.2
170	22.9	18.8	28.2



#54

2,4-Dinitrophenol

Concen: 6.403 ng

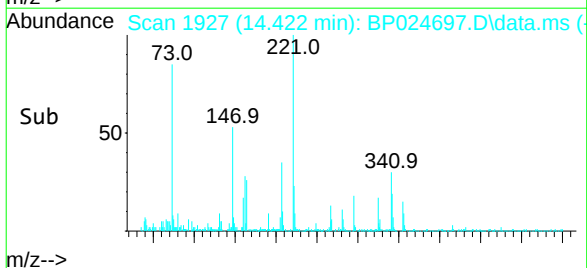
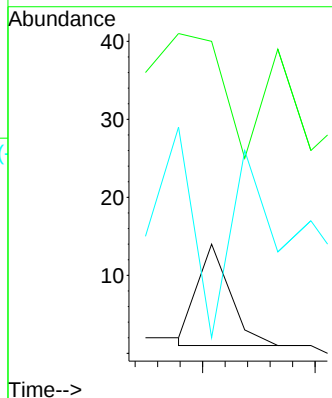
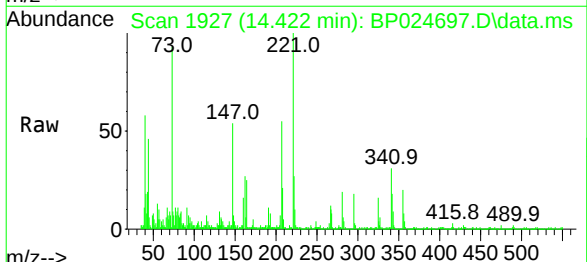
RT: 14.422 min Scan# 1927

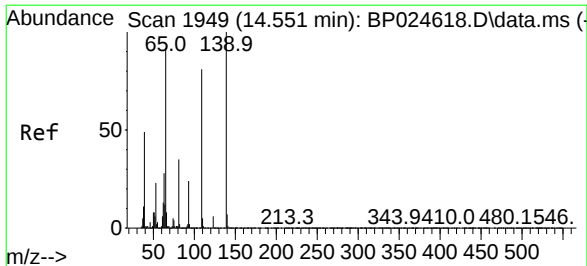
Delta R.T. -0.006 min

Lab File: BP024697.D

Acq: 19 May 2025 20:21

Tgt Ion:	184	Resp:	5
Ion Ratio	Lower	Upper	
184	100		
63	285.7	51.3	76.9#
154	14.3	53.5	80.3#





#56

4-Nitrophenol

Concen: 4.246 ng

RT: 14.504 min Scan# 19

Delta R.T. -0.047 min

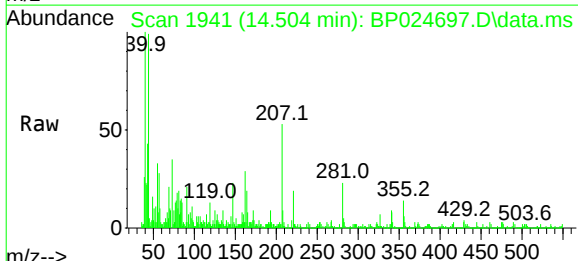
Lab File: BP024697.D

Acq: 19 May 2025 20:21

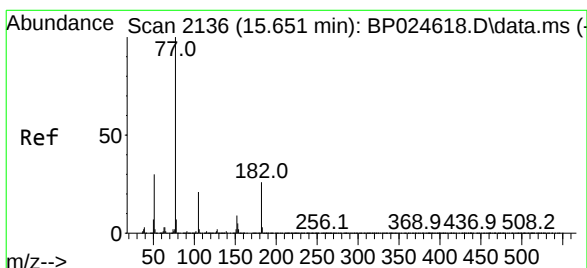
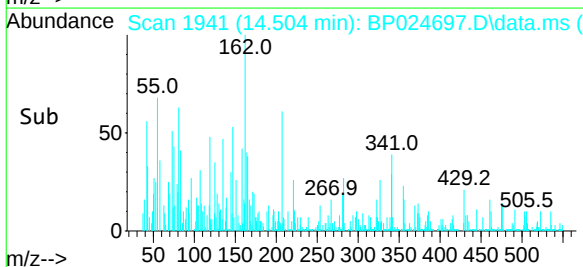
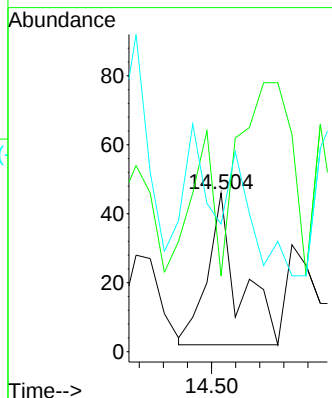
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	139	Resp:	40
Ion	Ratio	Lower	Upper
139	100		
109	76.1	61.4	101.4
65	80.4	72.2	112.2



#63

Azobenzene

Concen: 3.601 ng

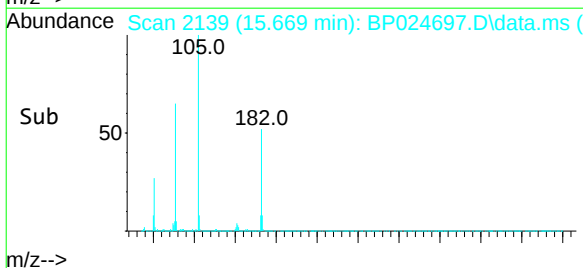
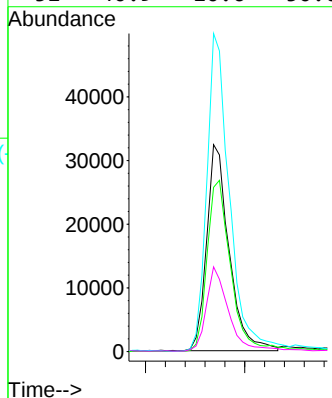
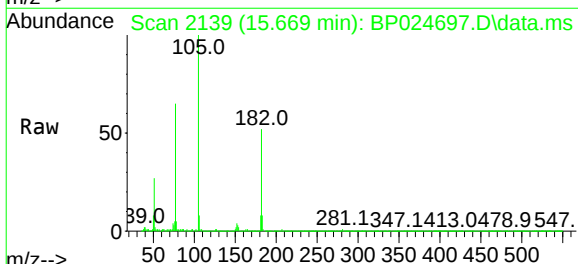
RT: 15.669 min Scan# 2139

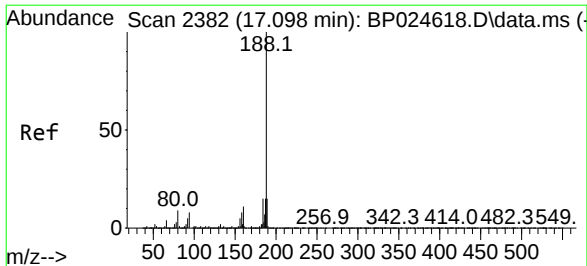
Delta R.T. 0.017 min

Lab File: BP024697.D

Acq: 19 May 2025 20:21

Tgt Ion:	77	Resp:	51021
Ion	Ratio	Lower	Upper
77	100		
182	79.4	5.7	45.7#
105	153.7	1.3	41.3#
51	40.9	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: BP024697.D

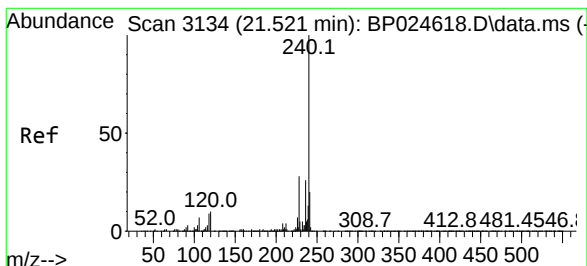
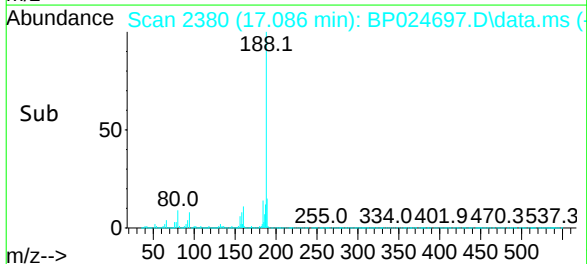
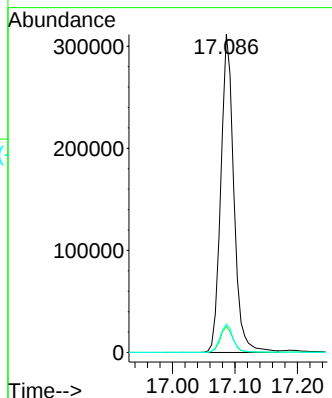
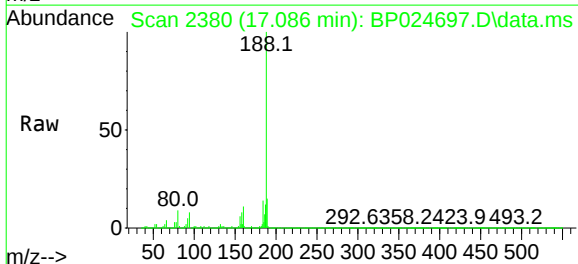
Acq: 19 May 2025 20:21

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:	188	Resp:	452152
Ion Ratio	Lower	Upper	
188	100		
94	8.2	6.5	9.7
80	8.9	7.3	10.9



#76

Chrysene-d12

Concen: 20.000 ng

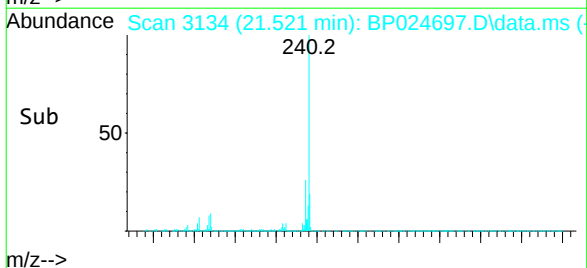
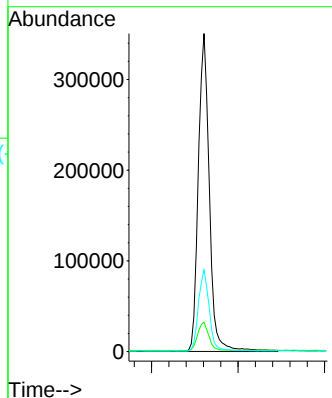
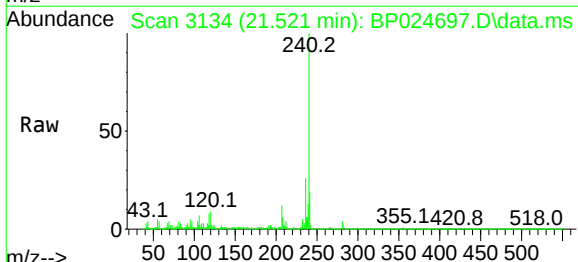
RT: 21.521 min Scan# 3134

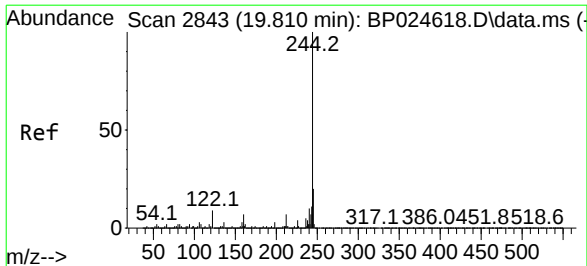
Delta R.T. -0.000 min

Lab File: BP024697.D

Acq: 19 May 2025 20:21

Tgt Ion:	240	Resp:	621786
Ion Ratio	Lower	Upper	
240	100		
120	9.2	7.8	11.6
236	25.7	20.6	31.0





#79

Terphenyl-d14

Concen: 46.234 ng

RT: 19.810 min Scan# 2843

Delta R.T. -0.000 min

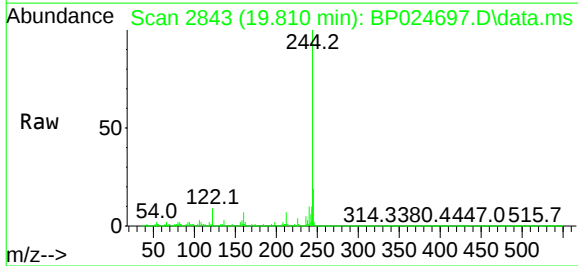
Lab File: BP024697.D

Acq: 19 May 2025 20:21

Instrument :

BNA_P

ClientSampleId :



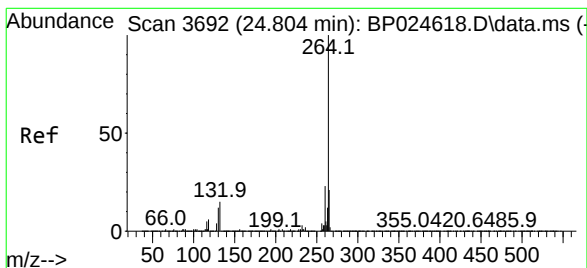
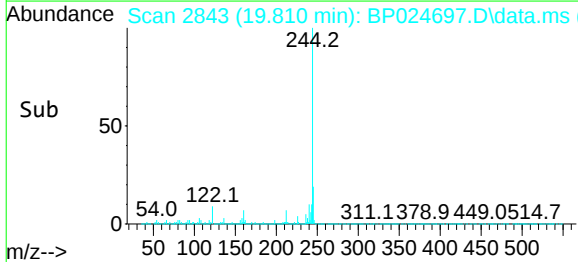
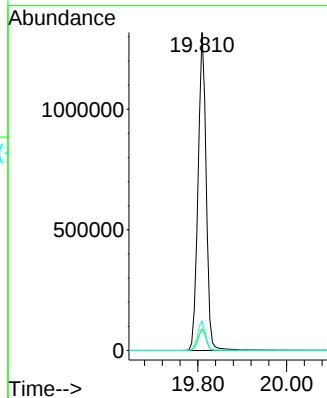
Tgt Ion:244 Resp: 1676558

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 9.2 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.803 min Scan# 3692

Delta R.T. -0.000 min

Lab File: BP024697.D

Acq: 19 May 2025 20:21

Tgt Ion:264 Resp: 871420

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.5 17.0 25.6

