

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112021\
 Data File : BP008068.D
 Acq On : 20 Nov 2021 21:05
 Operator : CG/JU
 Sample : M4695-04DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 289DL

Quant Time: Nov 22 05:34:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 20 00:21:11 2021
 Response via : Initial Calibration

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

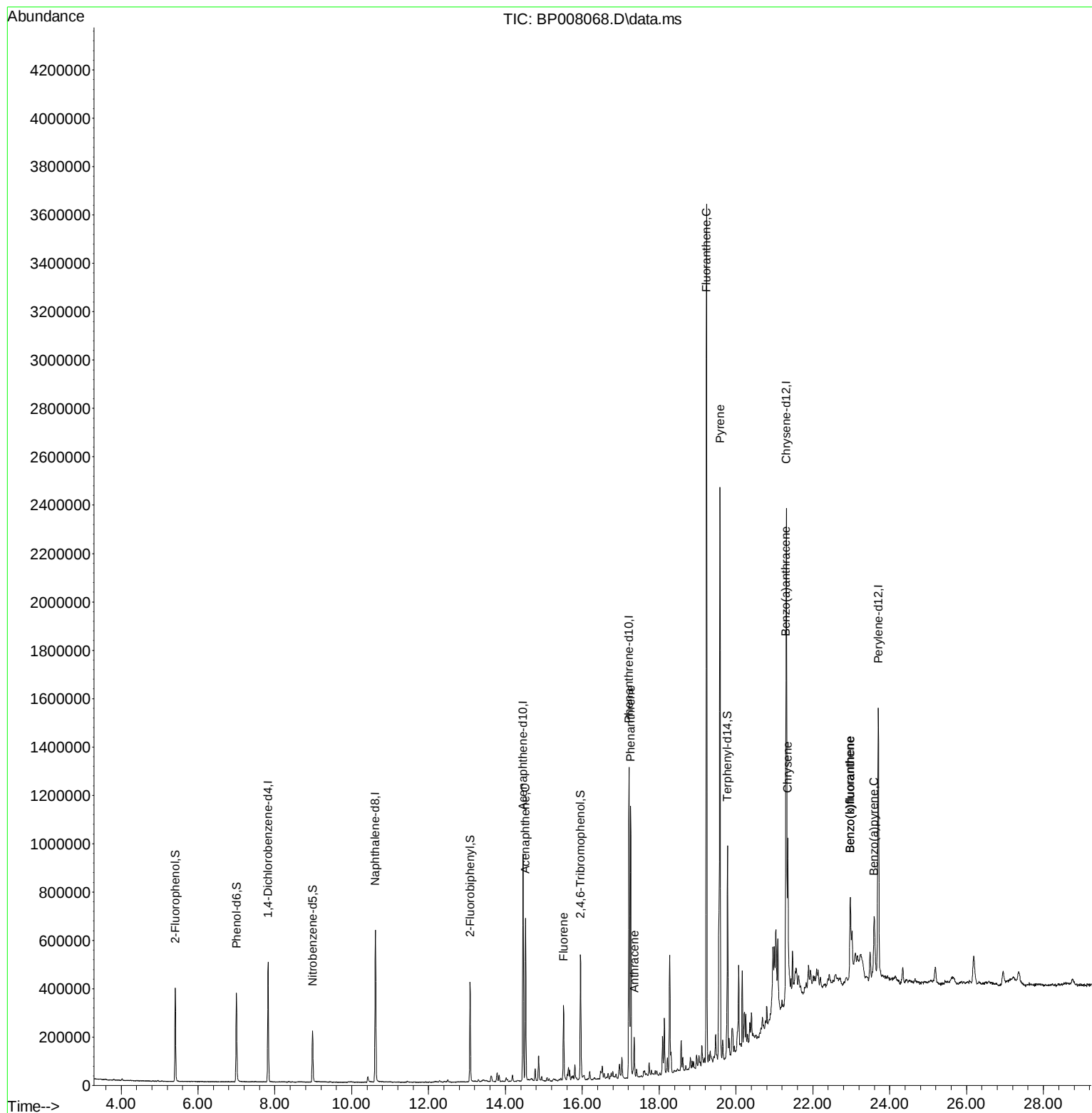
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	127315	20.00	ng	0.00
21) Naphthalene-d8	10.616	136	493565	20.00	ng	-0.01
39) Acenaphthene-d10	14.463	164	330838	20.00	ng	0.00
64) Phenanthrene-d10	17.216	188	792839	20.00	ng	-0.01
76) Chrysene-d12	21.310	240	822025	20.00	ng	-0.01
86) Perylene-d12	23.704	264	857358	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	151042	20.28	ng	0.00
7) Phenol-d6	6.999	99	202701	19.63	ng	-0.01
23) Nitrobenzene-d5	8.981	82	129189	11.87	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	81670	19.51	ng	-0.01
45) 2-Fluorobiphenyl	13.081	172	206929	9.79	ng	-0.01
79) Terphenyl-d14	19.780	244	391407	9.36	ng	-0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	6.957	77	128	Below Cal	#	50
52) Acenaphthene	14.522	154	237394	13.32	ng	96
58) Fluorene	15.510	166	140617	3.73	ng	96
61) 4-Chlorophenyl-phenyle...	15.522	204	38	Below Cal	#	1
71) Phenanthrene	17.257	178	666576	15.60	ng	99
72) Anthracene	17.351	178	100802	2.38	ng	97
75) Fluoranthene	19.233	202	2052961	37.29	ng	99
78) Pyrene	19.586	202	1535763	27.51	ng	100
81) Benzo(a)anthracene	21.298	228	434201	7.88	ng	100
82) 3,3'-Dichlorobenzidine	21.245	252	498	Below Cal	#	49
83) Chrysene	21.345	228	305111	5.83	ng	98
88) Benzo(b)fluoranthene	22.974	252	269442	5.03	ng	94
89) Benzo(k)fluoranthene	22.974	252	269442	5.05	ng	94
90) Benzo(a)pyrene	23.592	252	152618	3.40	ng	97

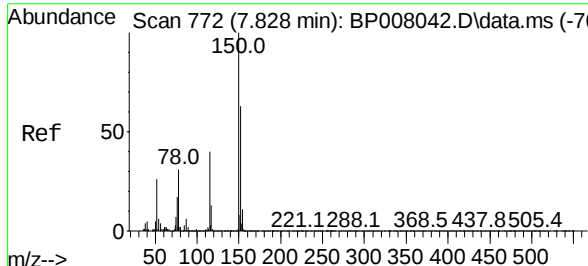
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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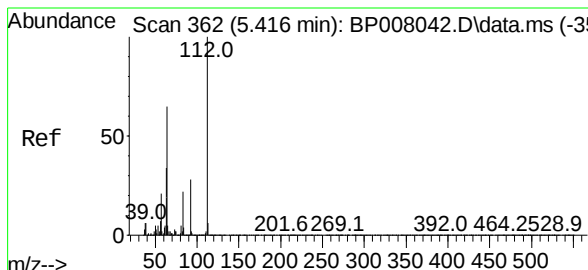
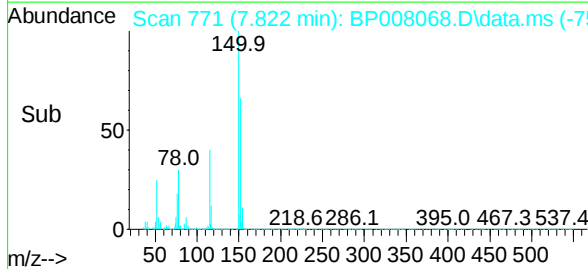
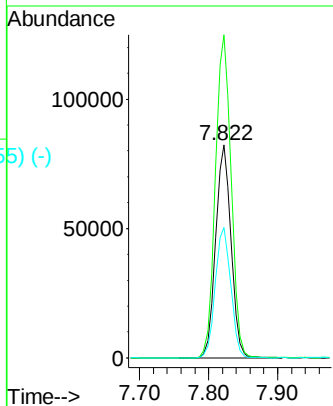
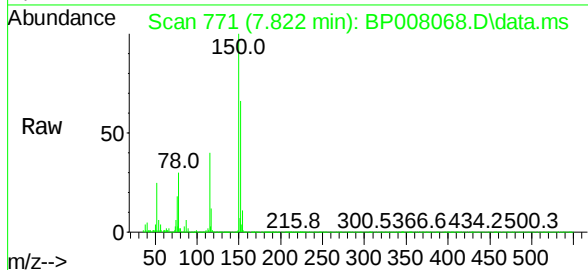




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.822 min Scan# 772
 Delta R.T. -0.006 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

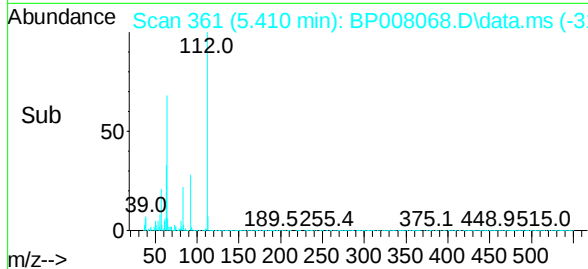
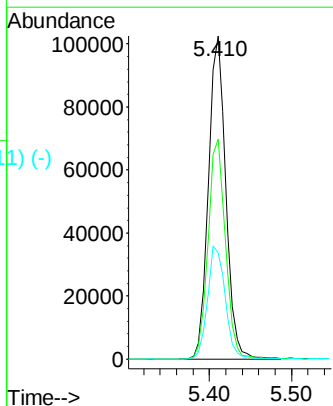
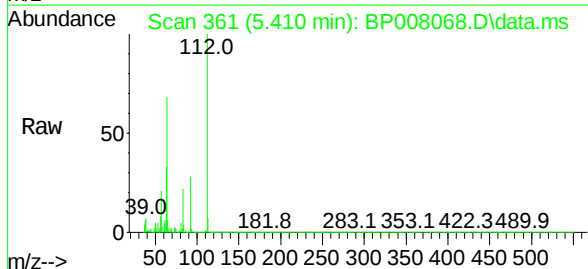
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 BNA_P
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 289DL

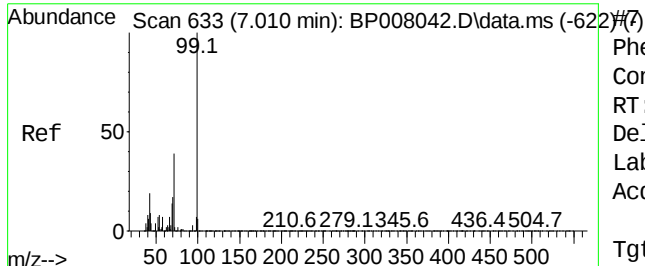
Tgt Ion:	152	Resp:	127315
Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.5	189.7
115	61.3	50.6	75.8



2-Fluorophenol
 Concen: 20.28 ng
 RT: 5.410 min Scan# 361
 Delta R.T. -0.006 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

Tgt Ion:	112	Resp:	151042
Ion	Ratio	Lower	Upper
112	100		
64	68.1	51.7	77.5
63	32.9	27.4	41.0

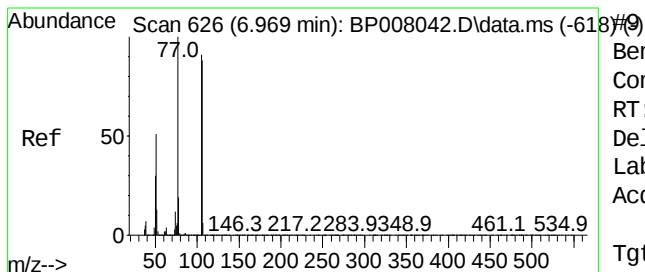
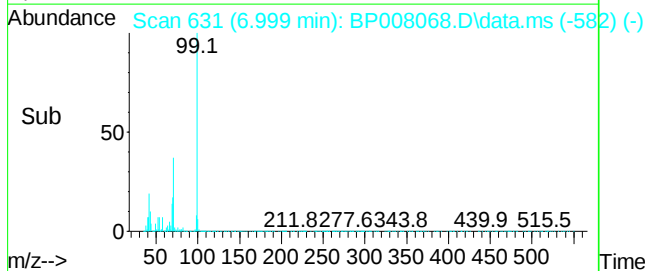
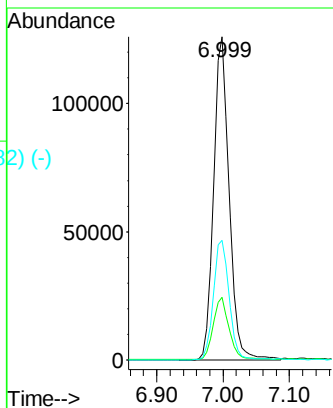
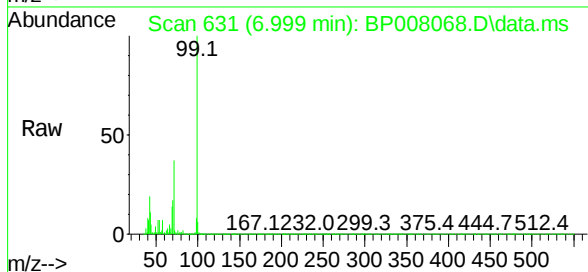




Phenol-d6
 Concen: 19.63 ng
 RT: 6.999 min Scan# 1
 Delta R.T. -0.011 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

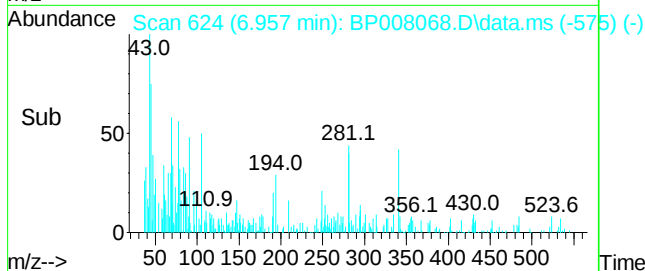
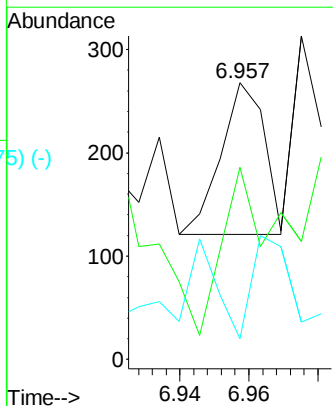
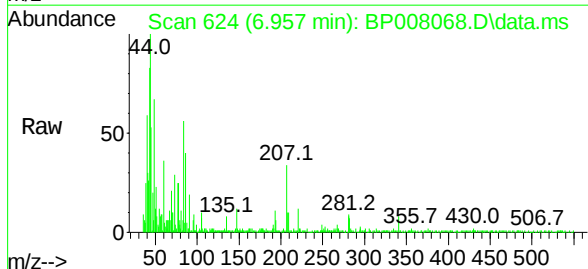
Instrument :
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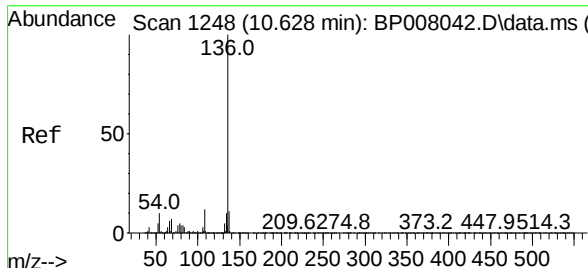
Tgt Ion:	99	Resp:	202701
Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.4	23.2
71	37.0	31.0	46.6



Benzaldehyde
 Concen: Below Cal
 RT: 6.957 min Scan# 624
 Delta R.T. -0.012 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

Tgt Ion:	77	Resp:	128
Ion	Ratio	Lower	Upper
77	100		
105	76.9	71.5	111.5
106	7.5	67.9	107.9#





Naphthalene-d8

Concen: 20.00 ng

RT: 10.616 min Scan#

Delta R.T. -0.012 min

Lab File: BP008068.D

Acq: 20 Nov 2021 21:05

Instrument :

BNA_P

ClientSampleId :

289DL

Tgt Ion:136 Resp: 493565

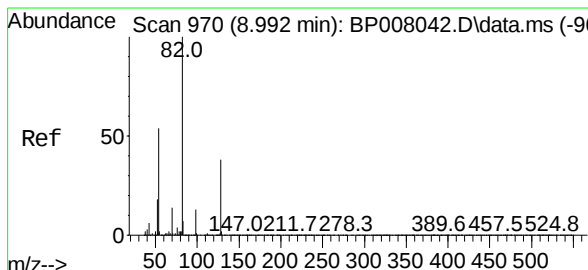
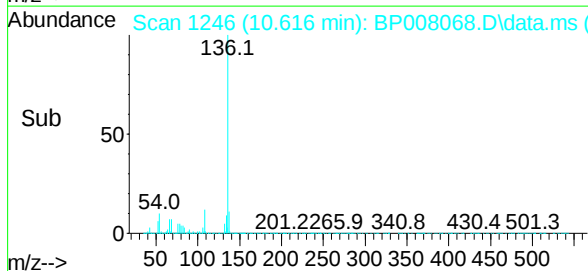
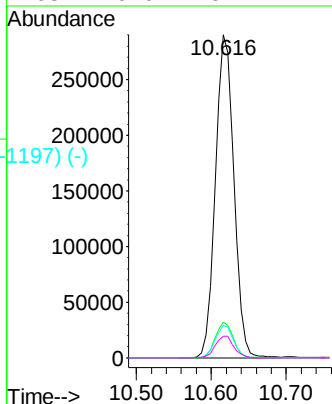
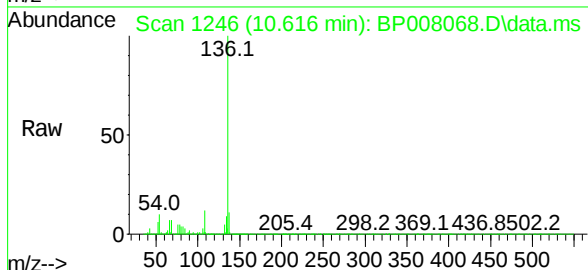
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.1 8.0 12.0

68 6.6 5.2 7.8



Nitrobenzene-d5

Concen: 11.87 ng

RT: 8.981 min Scan# 968

Delta R.T. -0.011 min

Lab File: BP008068.D

Acq: 20 Nov 2021 21:05

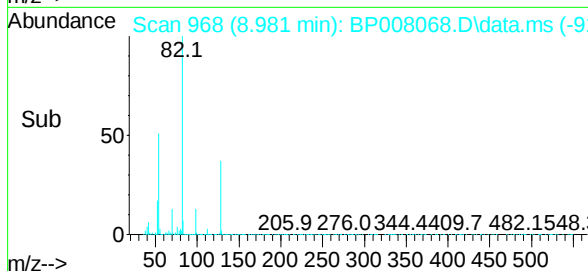
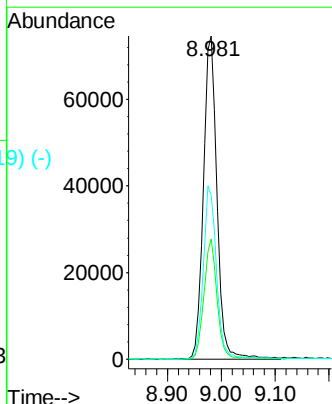
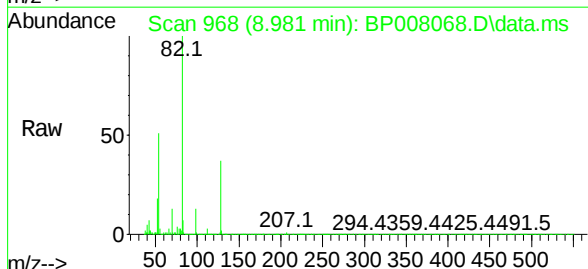
Tgt Ion: 82 Resp: 129189

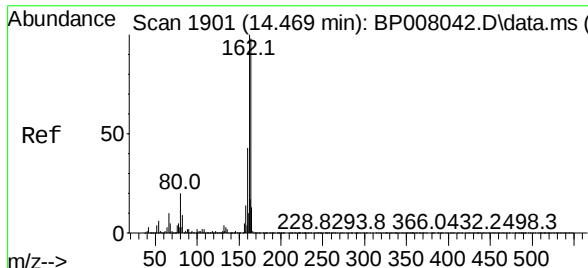
Ion Ratio Lower Upper

82 100

128 37.2 30.2 45.2

54 50.6 43.1 64.7

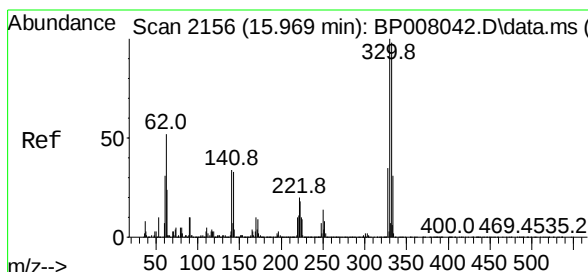
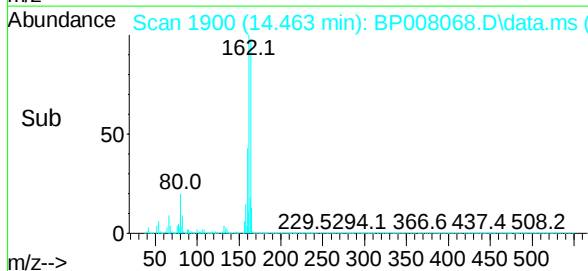
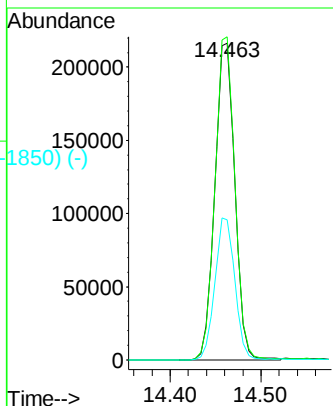
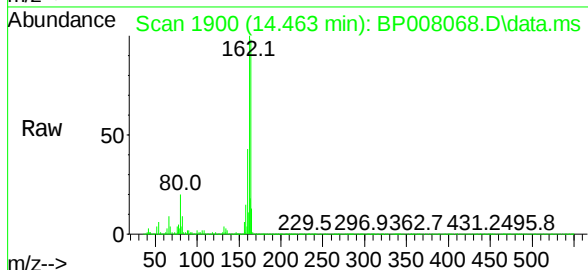




Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.463 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

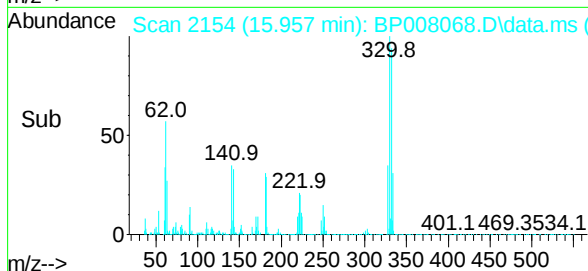
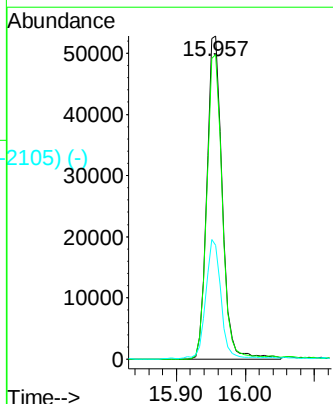
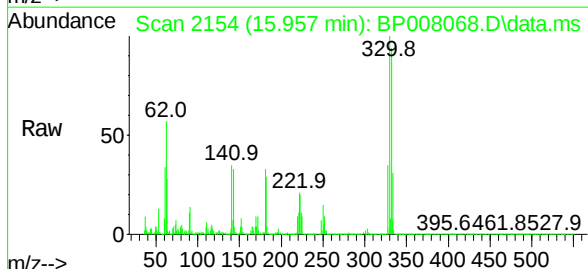
Instrument :
 BNA_P
 ClientSampleId :
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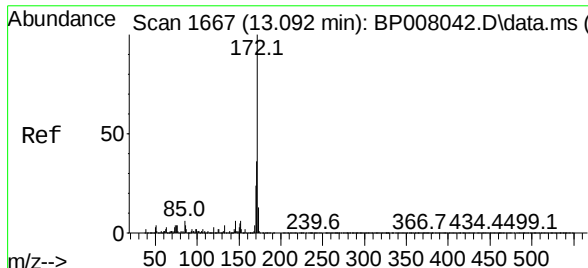
Tgt Ion:	164	Resp:	330838
Ion Ratio	Lower	Upper	
164	100		
162	102.0	81.8	122.8
160	44.2	35.1	52.7



2,4,6-Tribromophenol
 Concen: 19.51 ng
 RT: 15.957 min Scan# 2154
 Delta R.T. -0.012 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

Tgt Ion:	330	Resp:	81670
Ion Ratio	Lower	Upper	
330	100		
332	94.5	78.0	117.0
141	36.4	29.6	44.4

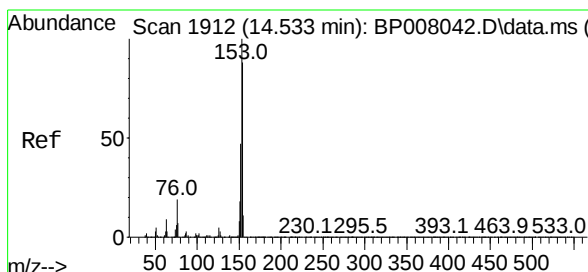
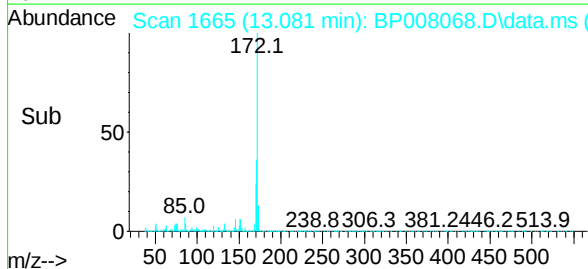
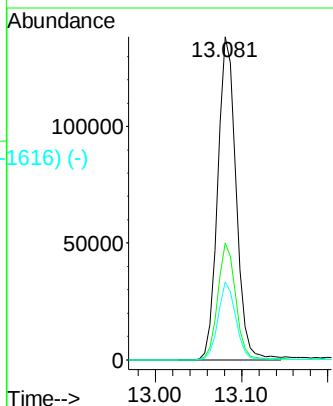
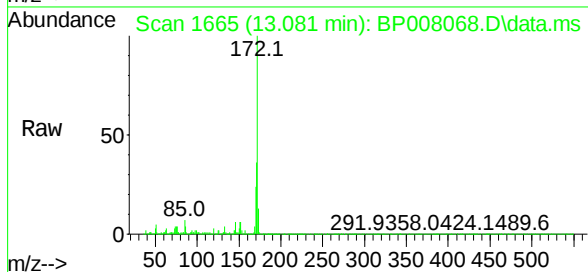




2-Fluorobiphenyl
 Concen: 9.79 ng
 RT: 13.081 min Scan# 1655
 Delta R.T. -0.011 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

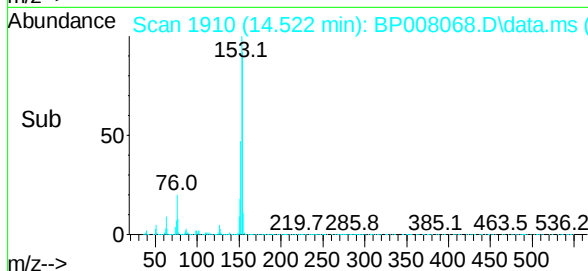
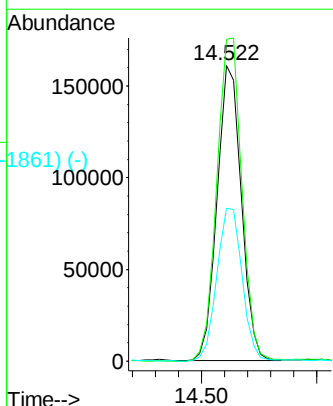
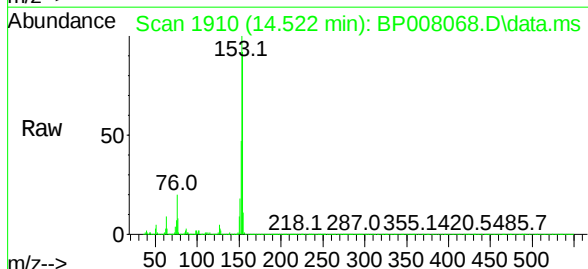
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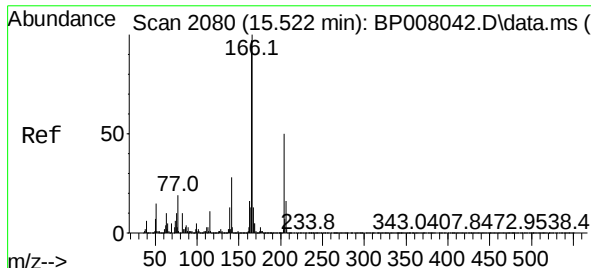
Tgt Ion:	172	Resp:	206929
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.5	42.7
170	24.2	19.0	28.4



Acenaphthene
 Concen: 13.32 ng
 RT: 14.522 min Scan# 1910
 Delta R.T. -0.011 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

Tgt Ion:	154	Resp:	237394
Ion	Ratio	Lower	Upper
154	100		
153	108.8	91.1	136.7
152	51.6	42.6	64.0

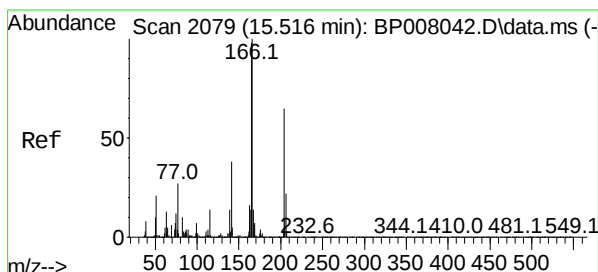
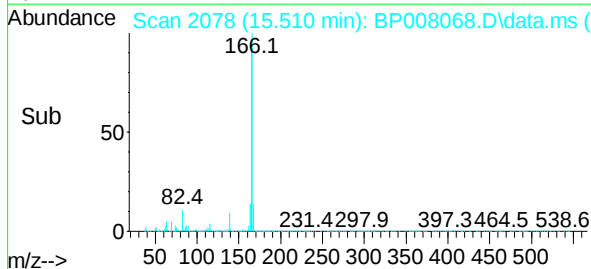
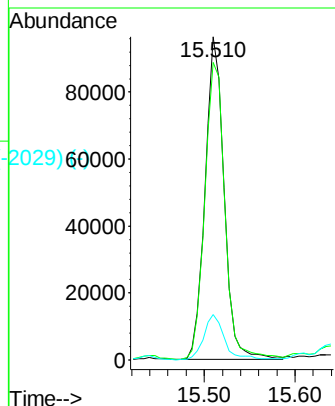
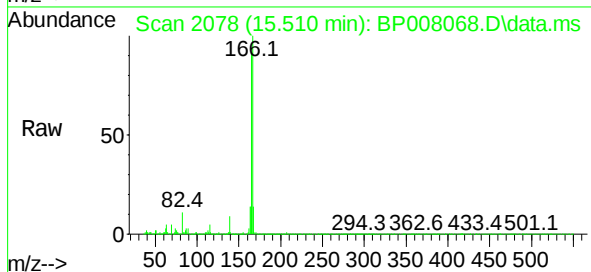




Fluorene
Concen: 3.73 ng
RT: 15.510 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

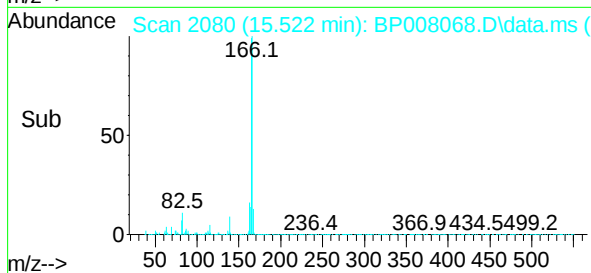
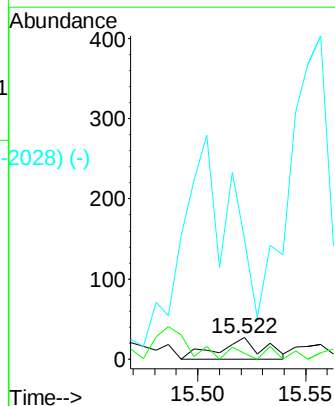
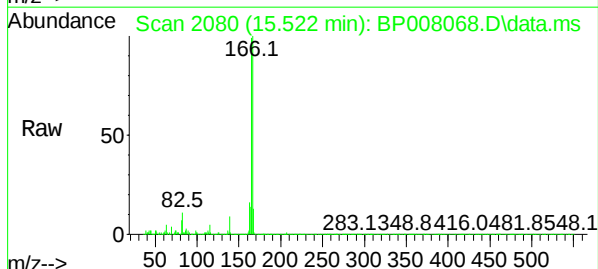
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Tgt Ion:166 Resp: 140617
Ion Ratio Lower Upper
166 100
165 92.0 77.4 116.0
167 14.1 10.7 16.1

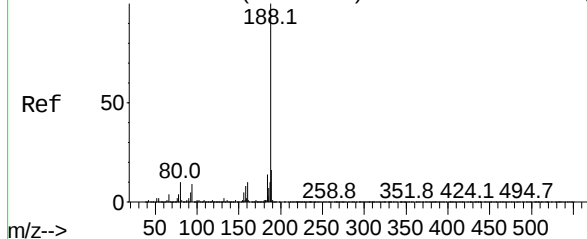


4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 15.522 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Tgt Ion:204 Resp: 38
Ion Ratio Lower Upper
204 100
206 25.9 27.3 40.9#
141 551.9 46.7 70.1#



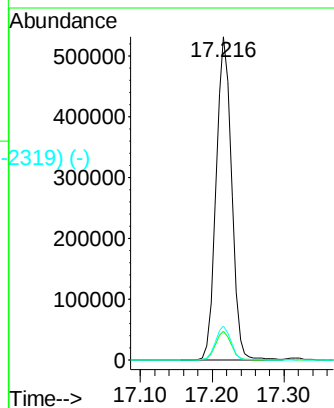
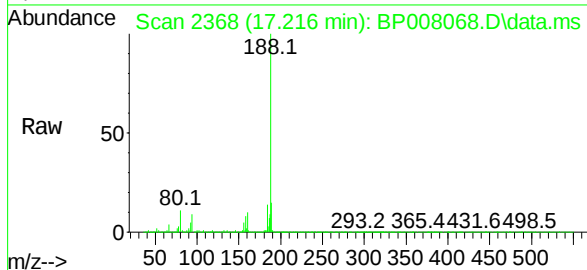
Abundance Scan 2370 (17.227 min): BP008042.D\data.ms (-2369) (-)



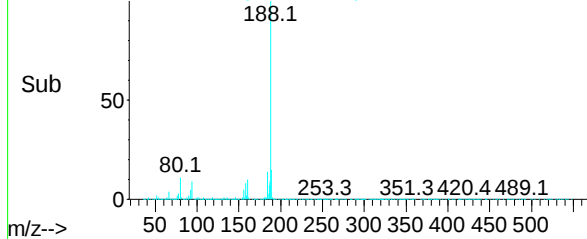
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.216 min Scan# 2368
Delta R.T. -0.011 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Instrument :
BNA_P
ClientSampleId :
289DL

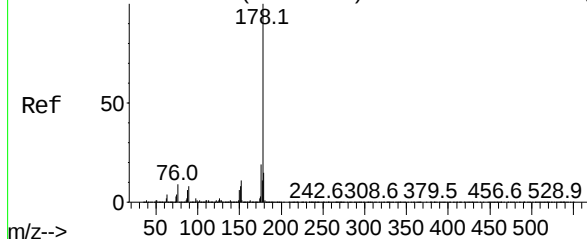
Tgt Ion:	188	Resp:	792839
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.1	10.7
80	10.5	8.1	12.1



Abundance Scan 2368 (17.216 min): BP008068.D\data.ms (-2319) (-)

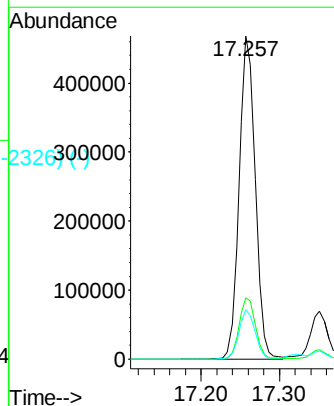
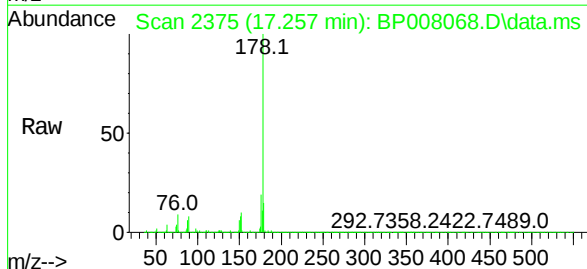


Abundance Scan 2377 (17.269 min): BP008042.D\data.ms (-2371) (-)

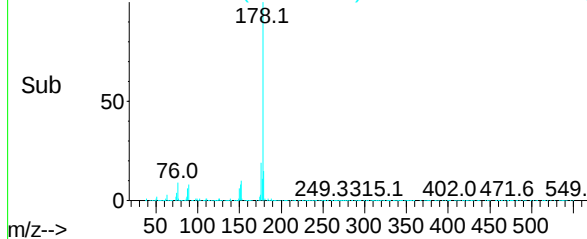


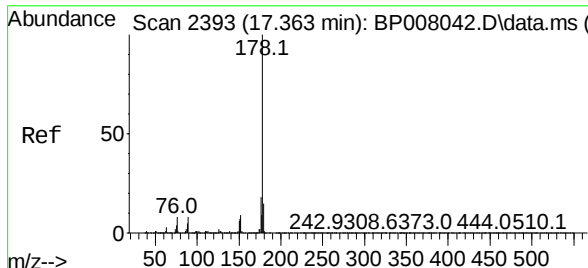
Phenanthrene
Concen: 15.60 ng
RT: 17.257 min Scan# 2375
Delta R.T. -0.012 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Tgt Ion:	178	Resp:	666576
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.3	12.4	18.6



Abundance Scan 2375 (17.257 min): BP008068.D\data.ms (-2326) (-)

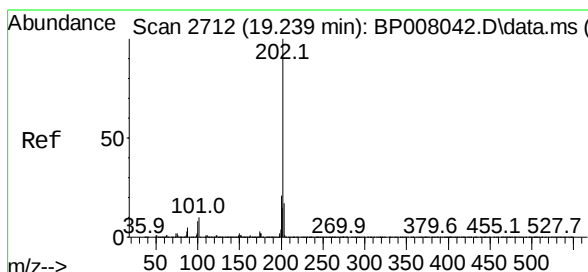
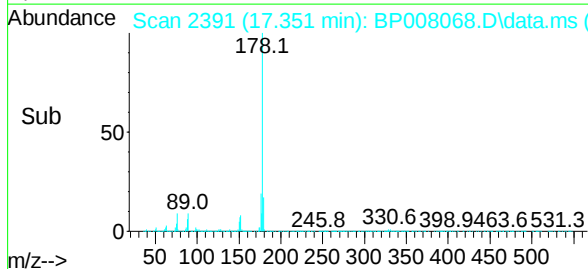
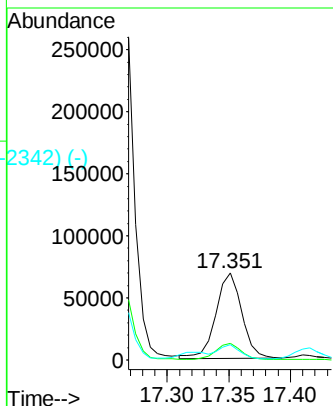
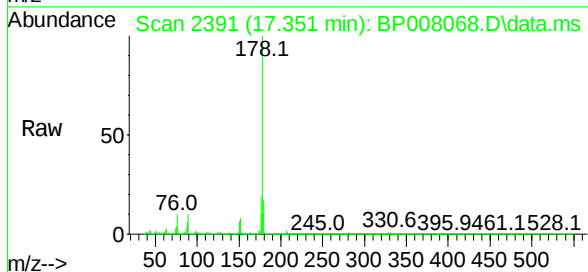




Scan 2393 (17.363 min): BP008042.D\data.ms (-2393)
 Anthracene
 Concen: 2.38 ng
 RT: 17.351 min Scan# 2391
 Delta R.T. -0.012 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

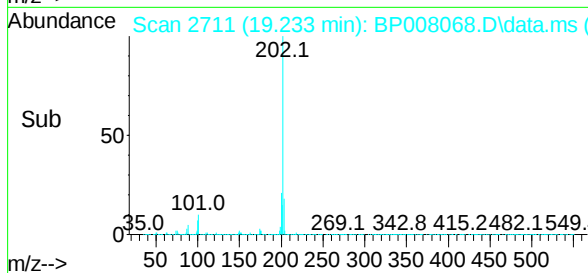
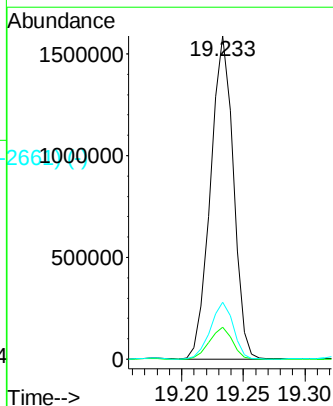
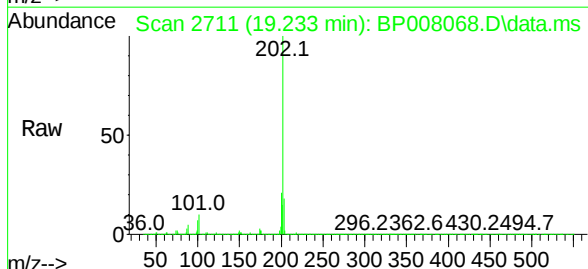
Instrument :
 BNA_P
 ClientSampleId :
 289DL

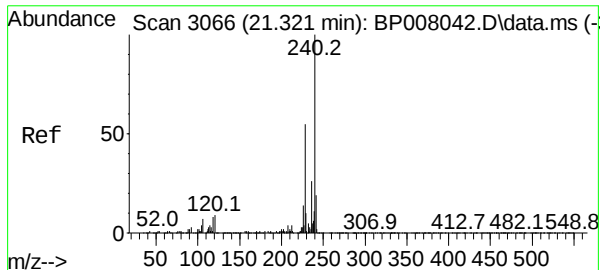
Tgt Ion:	178	Resp:	100802
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	17.3	12.2	18.4



Scan 2712 (19.239 min): BP008042.D\data.ms (-2712)
 Fluoranthene
 Concen: 37.29 ng
 RT: 19.233 min Scan# 2711
 Delta R.T. -0.006 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

Tgt Ion:	202	Resp:	2052961
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.5
203	17.7	0.0	37.3

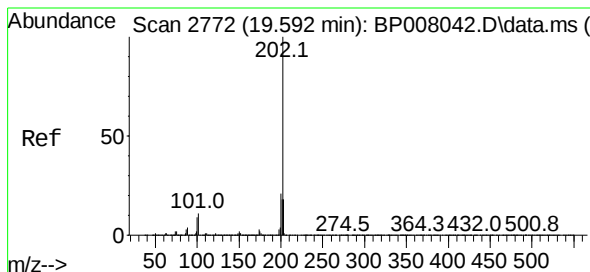
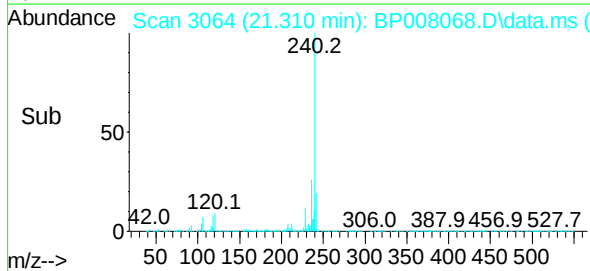
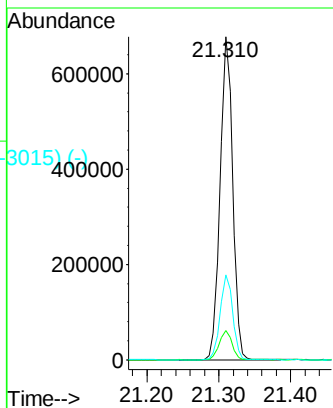
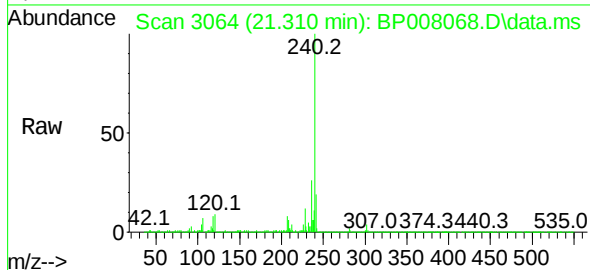




Chrysene-d12
 Concen: 20.00 ng
 RT: 21.310 min Scan# 3066
 Delta R.T. -0.011 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

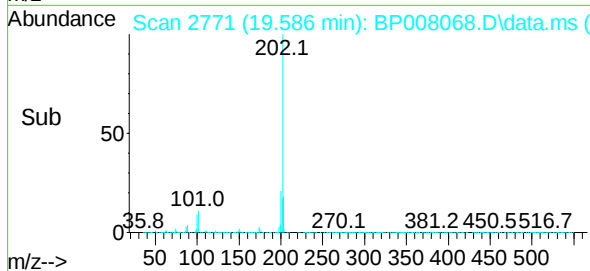
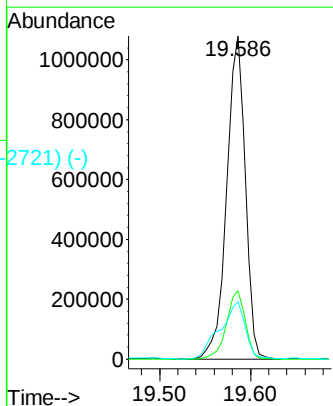
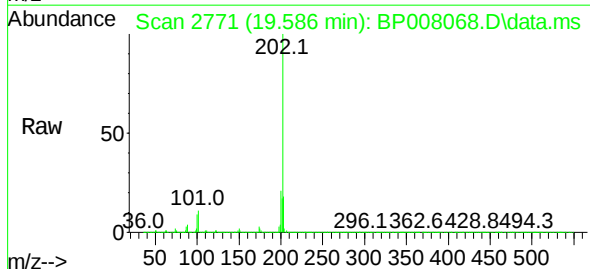
Instrument :
 BNA_P
 ClientSampleId :
 289DL

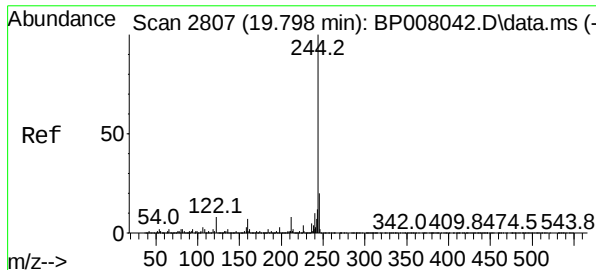
Tgt Ion:	240	Resp:	822025
Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.4	11.2
236	26.3	21.0	31.4



Pyrene
 Concen: 27.51 ng
 RT: 19.586 min Scan# 2771
 Delta R.T. -0.006 min
 Lab File: BP008068.D
 Acq: 20 Nov 2021 21:05

Tgt Ion:	202	Resp:	1535763
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.8	14.2	21.2





Terphenyl-d14

Concen: 9.36 ng

RT: 19.780 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP008068.D

Acq: 20 Nov 2021 21:05

Instrument :

BNA_P

ClientSampleId :

289DL

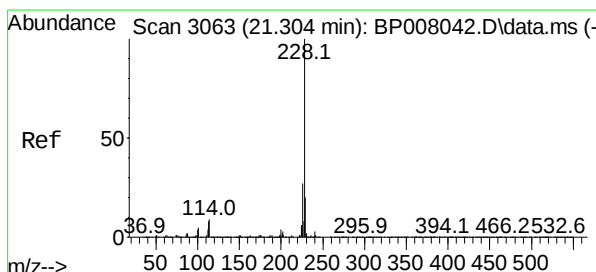
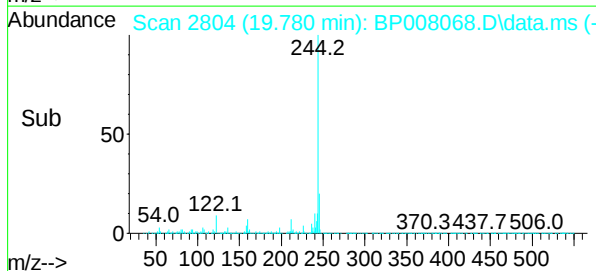
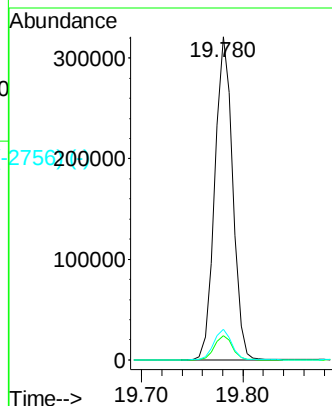
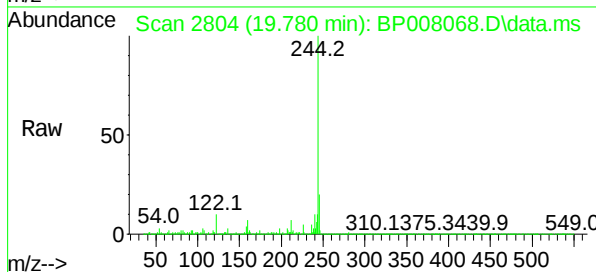
Tgt Ion:244 Resp: 391407

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

122 9.5 6.1 9.1#



Benzo(a)anthracene

Concen: 7.88 ng

RT: 21.298 min Scan# 3062

Delta R.T. -0.006 min

Lab File: BP008068.D

Acq: 20 Nov 2021 21:05

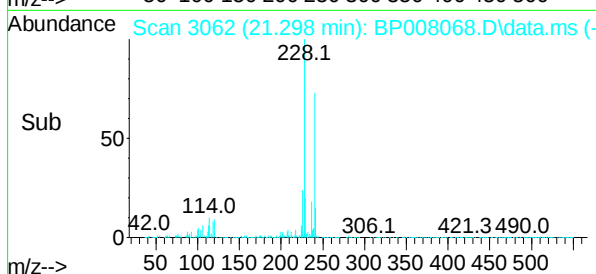
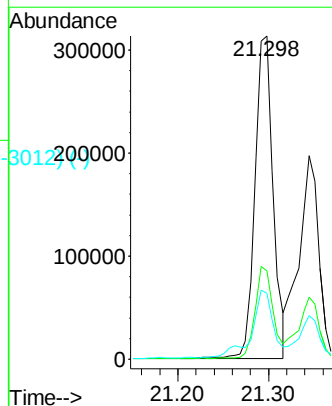
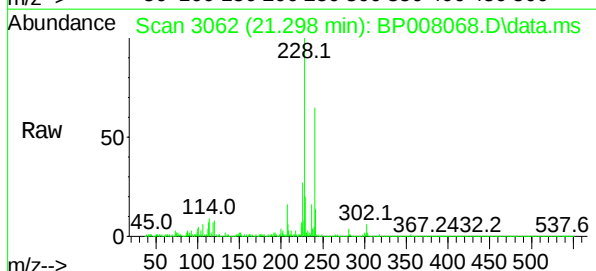
Tgt Ion:228 Resp: 434201

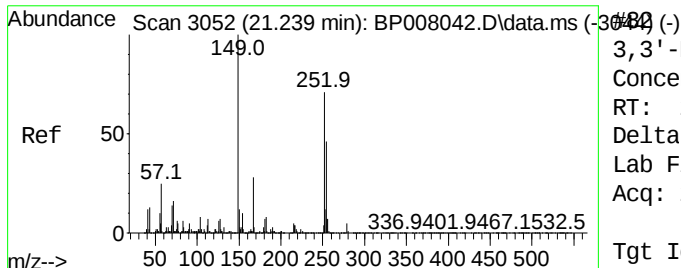
Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

229 20.4 16.1 24.1

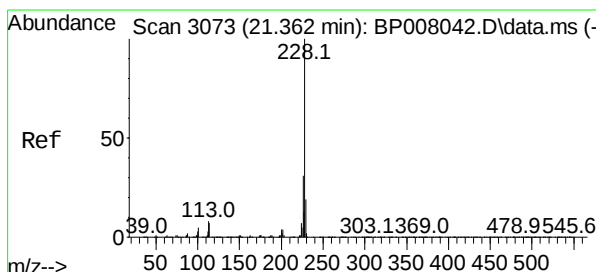
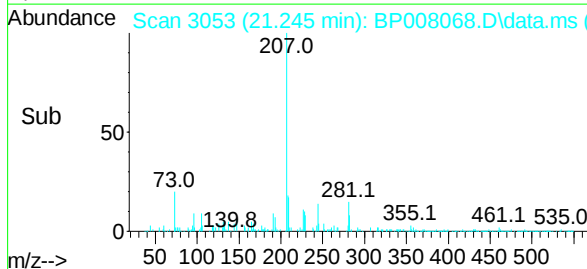
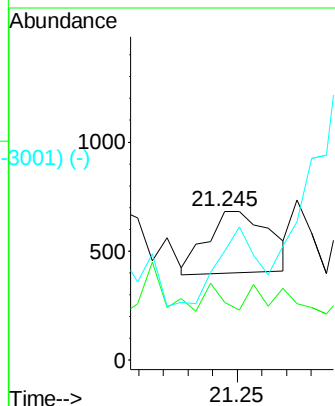
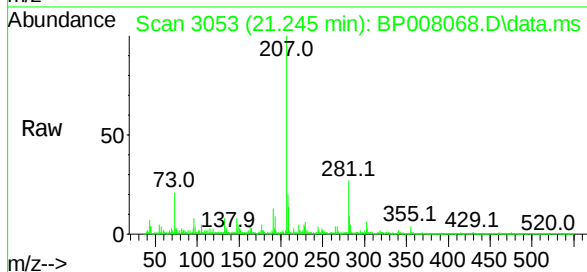




3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.245 min Scan# 3052
Delta R.T. 0.006 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

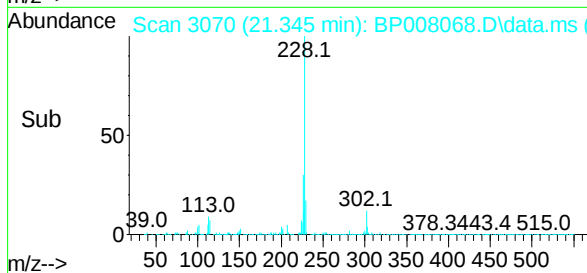
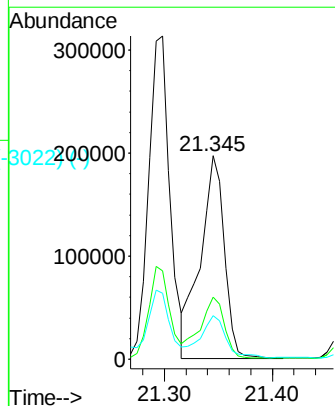
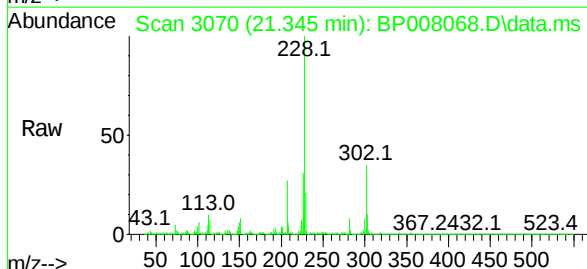
Instrument :
BNA_P
ClientSampleId :
289DL

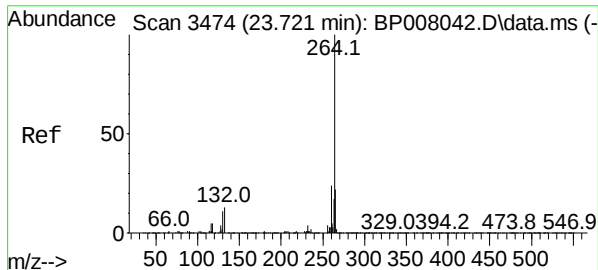
Tgt Ion:	252	Resp:	498
Ion	Ratio	Lower	Upper
252	100		
254	38.6	51.8	77.8#
126	73.2	7.2	10.8#



Chrysene
Concen: 5.83 ng
RT: 21.345 min Scan# 3070
Delta R.T. -0.017 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Tgt Ion:	228	Resp:	305111
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	21.3	15.5	23.3

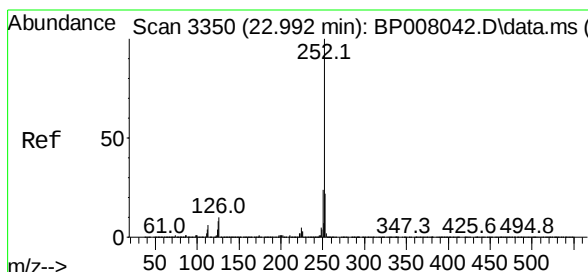
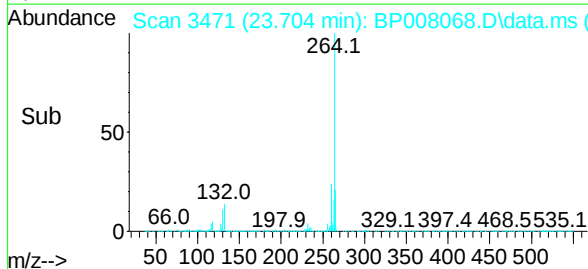
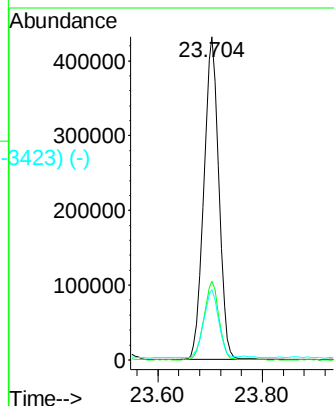
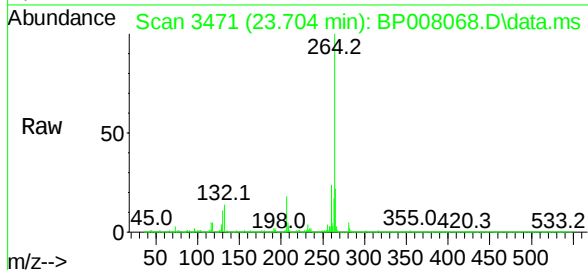




Perylene-d12
Concen: 20.00 ng
RT: 23.704 min Scan# 3474
Delta R.T. -0.017 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

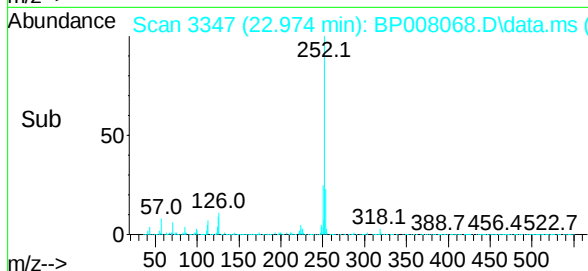
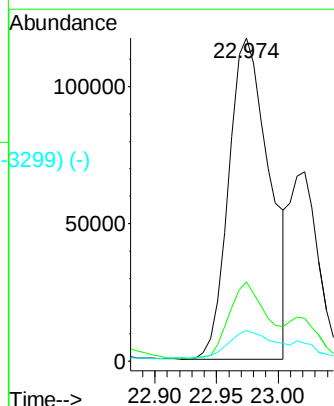
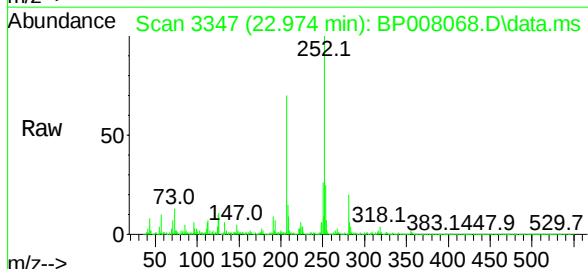
Instrument :
BNA_P
ClientSampleId :
289DL

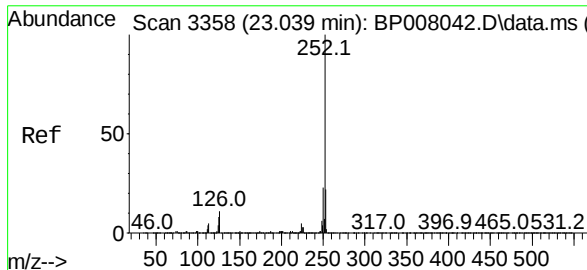
Tgt Ion:	264	Resp:	857358
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.0	28.6
265	21.8	17.7	26.5



Benzo(b)fluoranthene
Concen: 5.03 ng
RT: 22.974 min Scan# 3347
Delta R.T. -0.017 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Tgt Ion:	252	Resp:	269442
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.4	26.2
125	9.6	6.1	9.1#

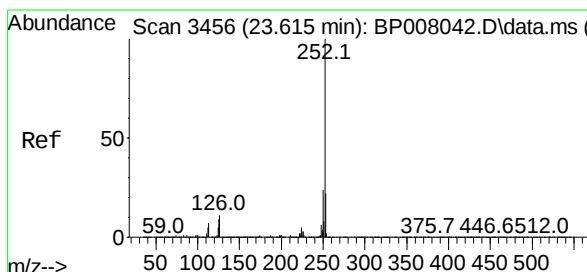
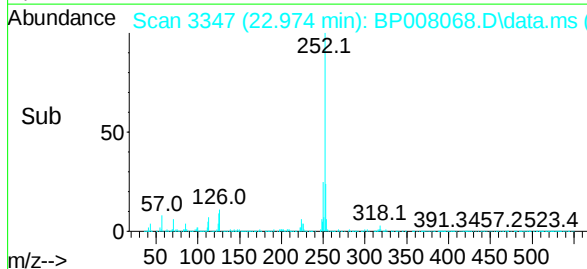
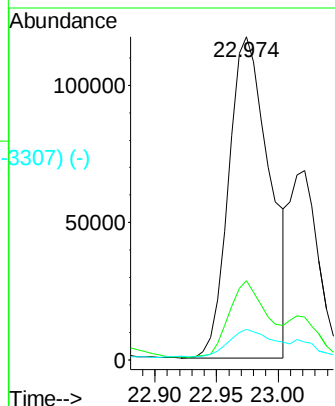
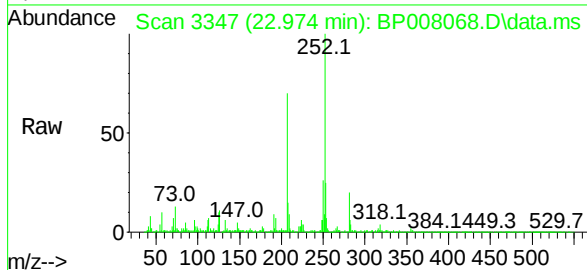




Benzo(k)fluoranthene
Concen: 5.05 ng
RT: 22.974 min Scan# 3358
Delta R.T. -0.065 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Instrument :
BNA_P
ClientSampleId :
289DL

Tgt Ion:252 Resp: 269442
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 9.6 6.2 9.4#



Benzo(a)pyrene
Concen: 3.40 ng
RT: 23.592 min Scan# 3452
Delta R.T. -0.023 min
Lab File: BP008068.D
Acq: 20 Nov 2021 21:05

Tgt Ion:252 Resp: 152618
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 9.4 7.4 11.2

