

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112021\
 Data File : BP008073.D
 Acq On : 20 Nov 2021 23:54
 Operator : CG/JU
 Sample : M4766-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26706

Quant Time: Nov 22 05:36:02 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)

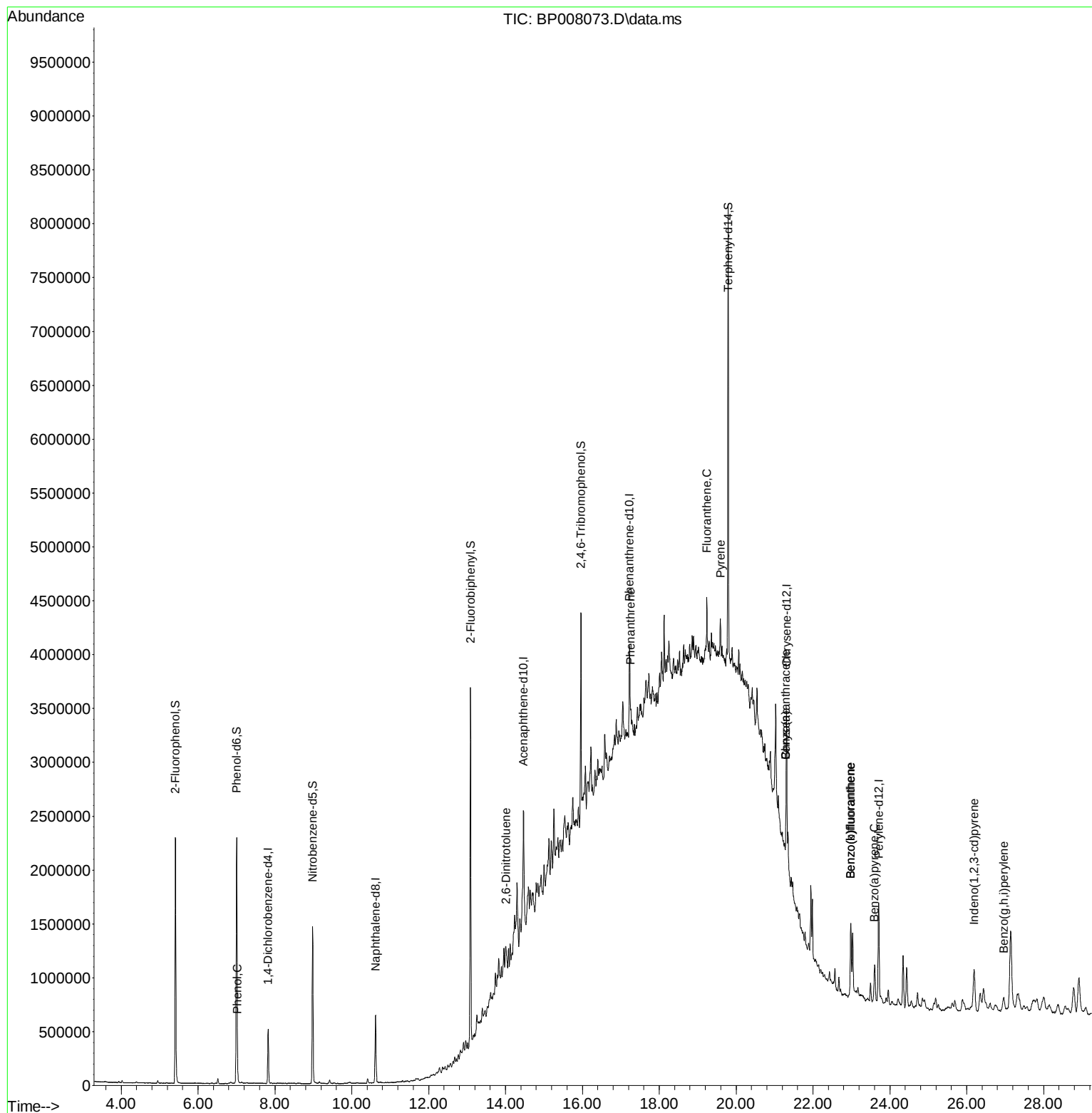
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	132350	20.00	ng	0.00
21) Naphthalene-d8	10.622	136	516866	20.00	ng	0.00
39) Acenaphthene-d10	14.463	164	310221	20.00	ng	0.00
64) Phenanthrene-d10	17.222	188	580059	20.00	ng	# 0.00
76) Chrysene-d12	21.316	240	639235	20.00	ng	0.00
86) Perylene-d12	23.710	264	723189	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	973031	125.66	ng	0.00
7) Phenol-d6	7.005	99	1264044	117.77	ng	0.00
23) Nitrobenzene-d5	8.981	82	851001	74.69	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	455714	116.08	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	1723582	87.00	ng	0.00
79) Terphenyl-d14	19.792	244	2305733	70.92	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.970	77	3812	Below Cal		98
10) Phenol	7.028	94	33609	2.92 ng		90
51) 2,6-Dinitrotoluene	14.016	165	20839	4.23 ng	#	25
58) Fluorene	15.522	166	8252	Below Cal	#	1
61) 4-Chlorophenyl-phenyle...	15.487	204	1297	Below Cal	#	1
71) Phenanthrene	17.263	178	108724	3.48 ng	#	72
75) Fluoranthene	19.239	202	271186	6.73 ng		92
78) Pyrene	19.592	202	261785	6.03 ng	#	94
81) Benzo(a)anthracene	21.298	228	187072	4.36 ng		97
82) 3,3'-Dichlorobenzidine	21.251	252	825	Below Cal	#	21
83) Chrysene	21.298	228	187072	4.60 ng		95
87) Indeno(1,2,3-cd)pyrene	26.192	276	170063	3.39 ng		97
88) Benzo(b)fluoranthene	22.980	252	292979	6.48 ng	#	91
89) Benzo(k)fluoranthene	22.980	252	292979	6.51 ng	#	91
90) Benzo(a)pyrene	23.598	252	211397	5.58 ng		96
92) Benzo(g,h,i)perylene	26.963	276	169602	4.14 ng		98

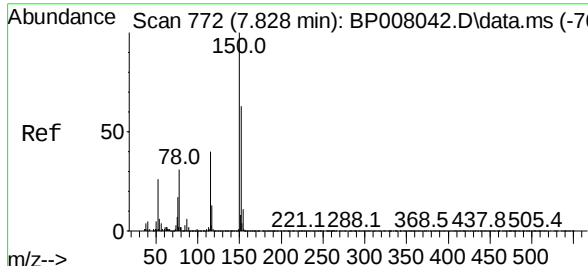
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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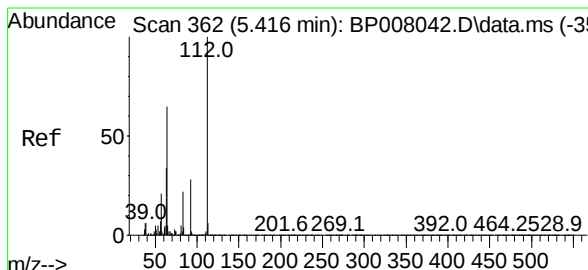
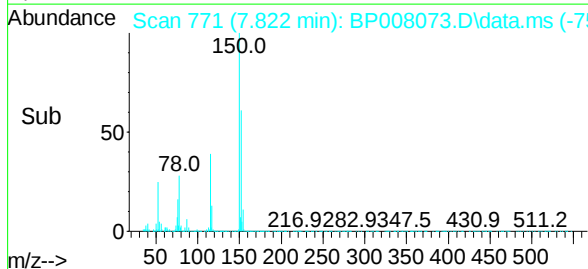
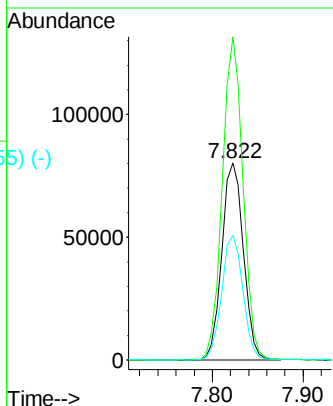
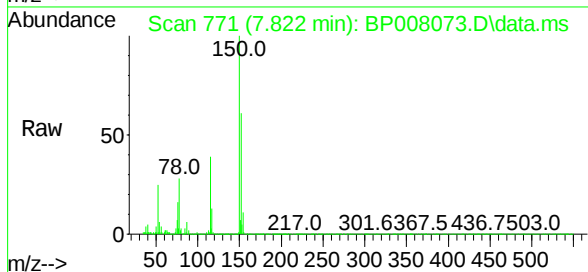




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.822 min Scan#
 Delta R.T. -0.006 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

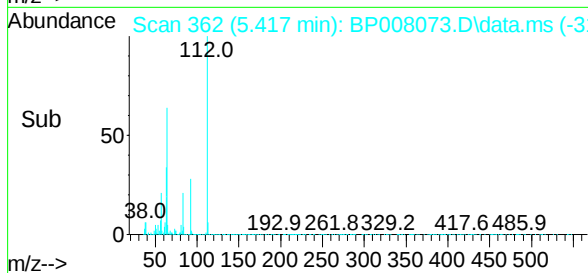
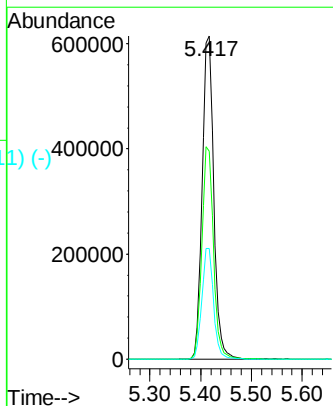
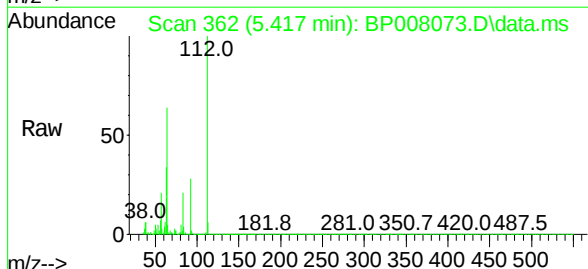
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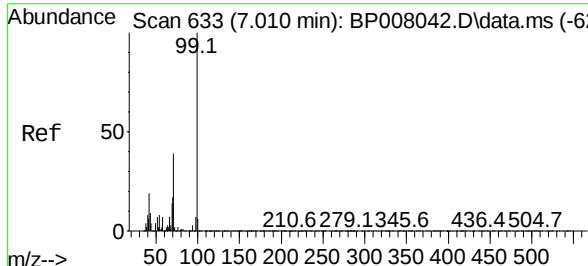
Tgt Ion:	152	Resp:	132350
Ion	Ratio	Lower	Upper
152	100		
150	163.8	126.5	189.7
115	63.3	50.6	75.8



2-Fluorophenol
 Concen: 125.66 ng
 RT: 5.417 min Scan# 362
 Delta R.T. 0.001 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion:	112	Resp:	973031
Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.7	77.5
63	34.3	27.4	41.0



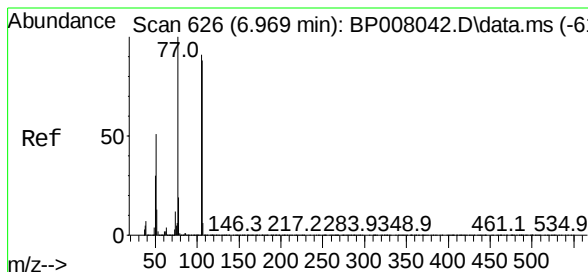
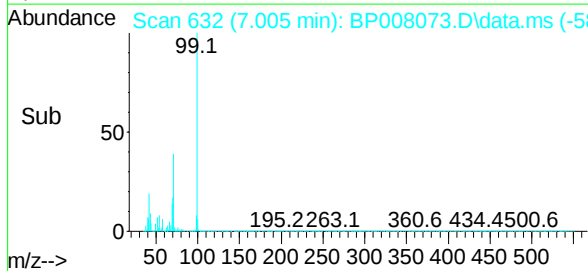
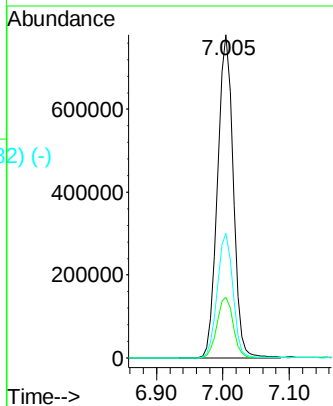
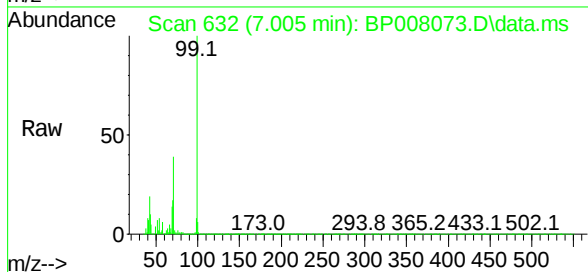


Phenol-d6
 Concen: 117.77 ng
 RT: 7.005 min Scan# 632
 Delta R.T. -0.005 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26706

Tgt Ion: 99 Resp: 1264044

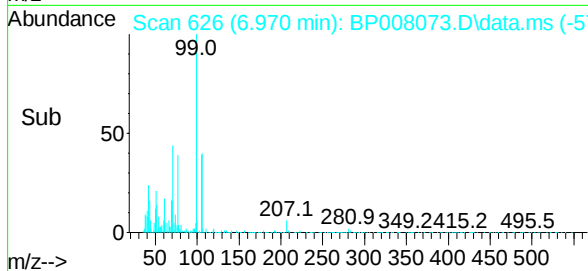
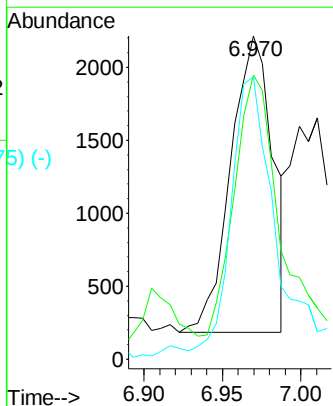
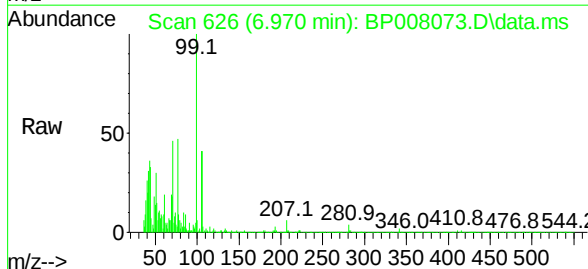
Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.4	23.2
71	38.7	31.0	46.6

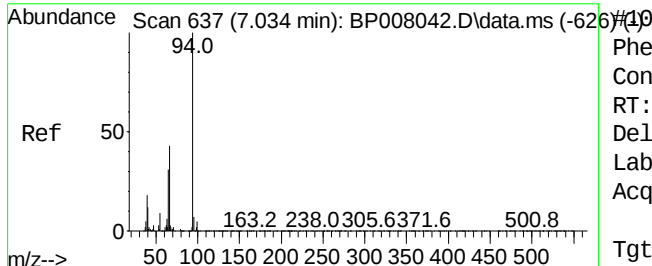


Benzaldehyde
 Concen: Below Cal
 RT: 6.970 min Scan# 626
 Delta R.T. 0.000 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion: 77 Resp: 3812

Ion	Ratio	Lower	Upper
77	100		
105	87.9	71.5	111.5
106	87.4	67.9	107.9





Phenol

Concen: 2.92 ng

RT: 7.028 min Scan#

Delta R.T. -0.005 min

Lab File: BP008073.D

Acq: 20 Nov 2021 23:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26706

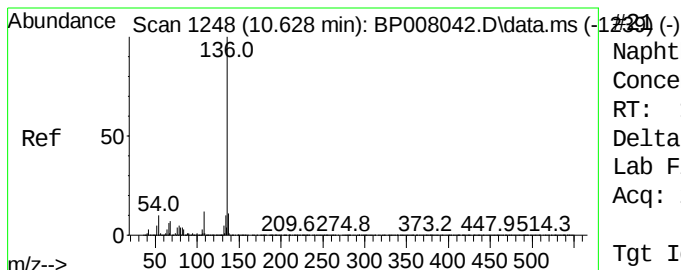
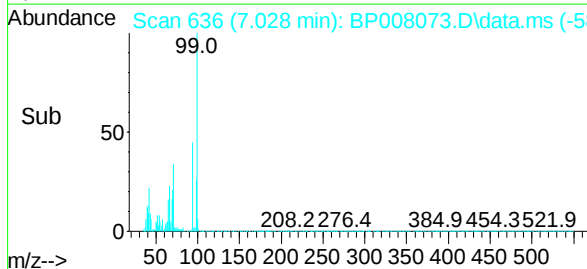
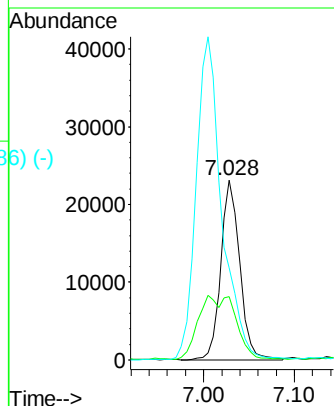
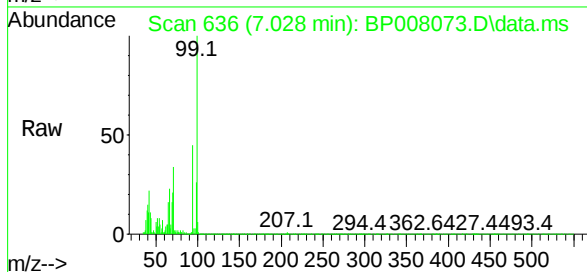
Tgt Ion: 94 Resp: 33609

Ion Ratio Lower Upper

94 100

65 35.1 11.5 51.5

66 51.3 23.5 63.5



Naphthalene-d8

Concen: 20.00 ng

RT: 10.622 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BP008073.D

Acq: 20 Nov 2021 23:54

Tgt Ion:136 Resp: 516866

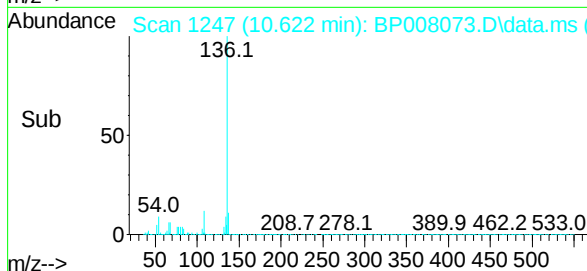
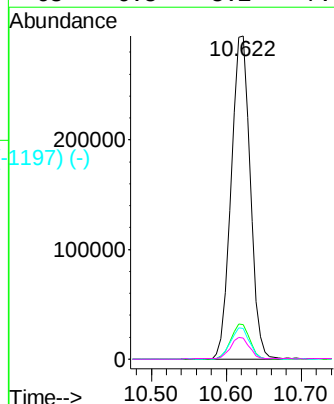
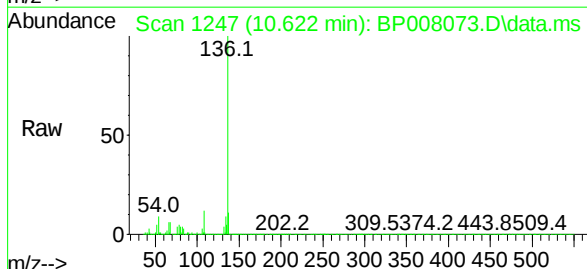
Ion Ratio Lower Upper

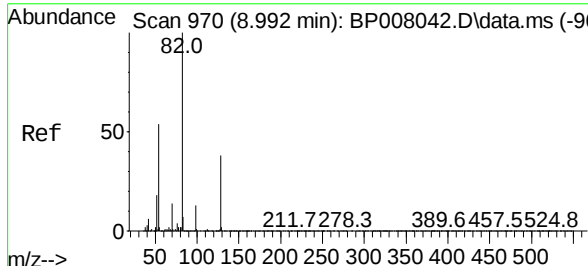
136 100

137 10.7 8.7 13.1

54 9.4 8.0 12.0

68 6.5 5.2 7.8

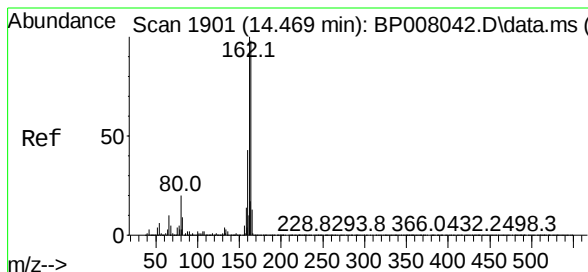
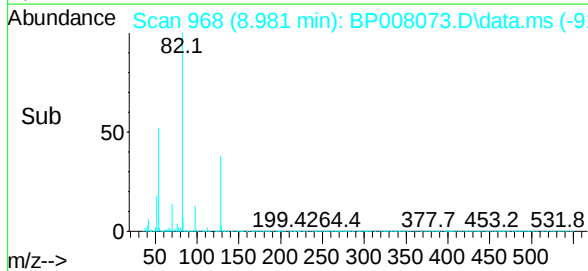
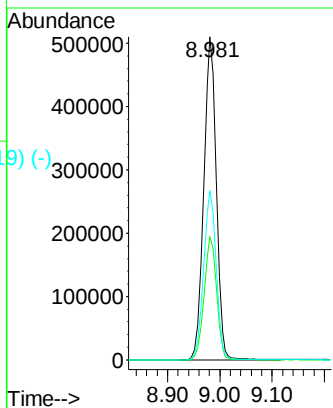
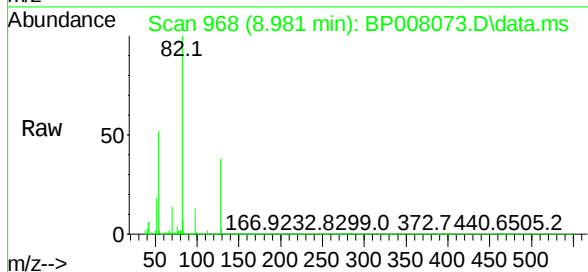




Scan 970 (8.992 min): BP008042.D\data.ms (-961) (-)
 Nitrobenzene-d5
 Concen: 74.69 ng
 RT: 8.981 min Scan# 968
 Delta R.T. -0.011 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

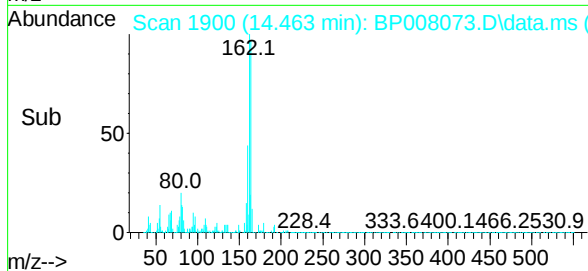
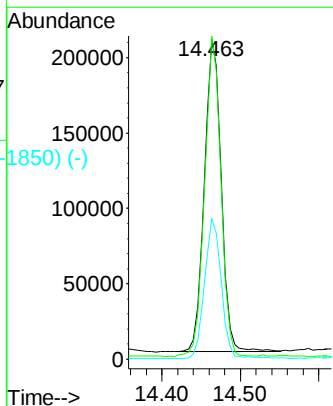
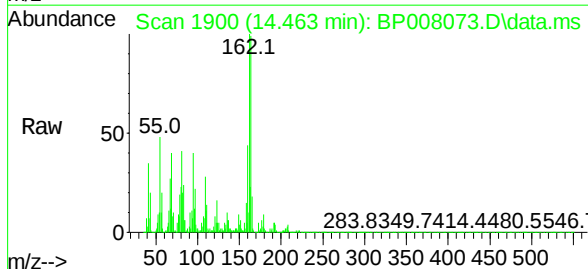
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Tgt Ion:	82	Resp:	851001
Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.2	45.2
54	52.4	43.1	64.7



Scan 1901 (14.469 min): BP008042.D\data.ms (-1829) (-)
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.463 min Scan# 1900
 Delta R.T. -0.006 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion:	164	Resp:	310221
Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.8
160	43.9	35.1	52.7



Abundance Scan 2156 (15.969 min): BP008042.D\data.ms (-2140) (-)

2,4,6-Tribromophenol

Concen: 116.08 ng

RT: 15.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP008073.D

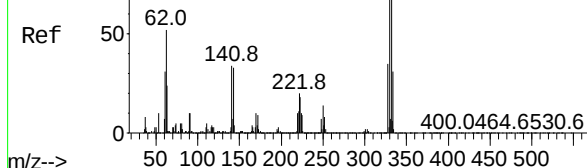
Acq: 20 Nov 2021 23:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26706



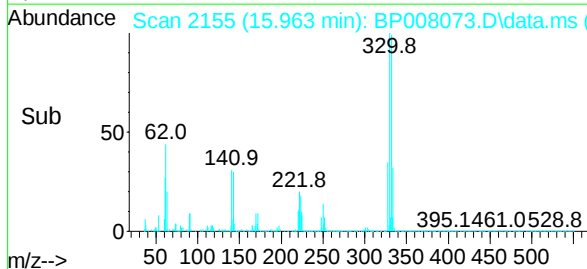
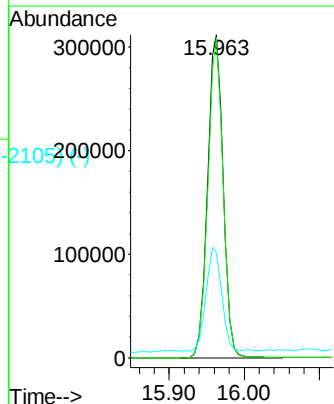
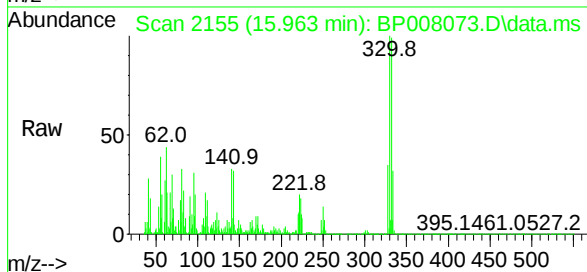
Tgt Ion:330 Resp: 455714

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 32.2 29.6 44.4



Abundance Scan 1667 (13.092 min): BP008042.D\data.ms (-1615) (-)

2-Fluorobiphenyl

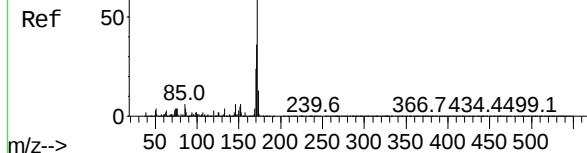
Concen: 87.00 ng

RT: 13.087 min Scan# 1666

Delta R.T. -0.005 min

Lab File: BP008073.D

Acq: 20 Nov 2021 23:54



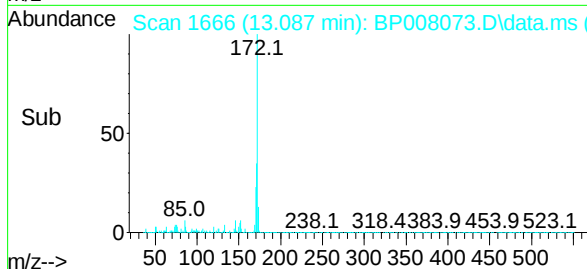
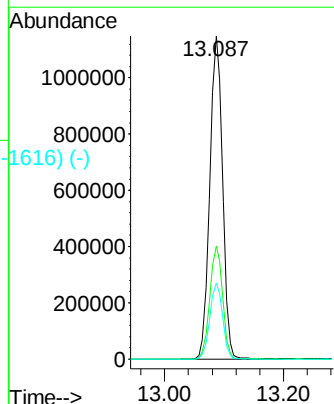
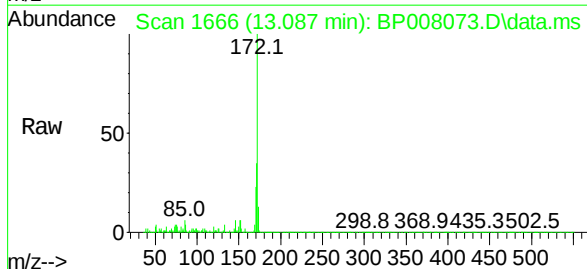
Tgt Ion:172 Resp: 1723582

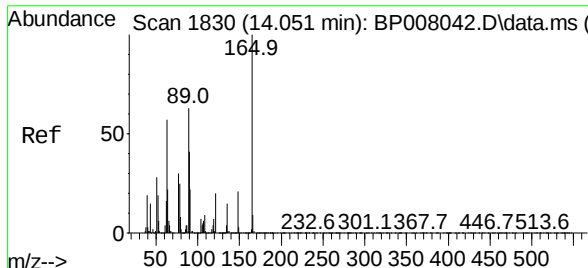
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.5 19.0 28.4

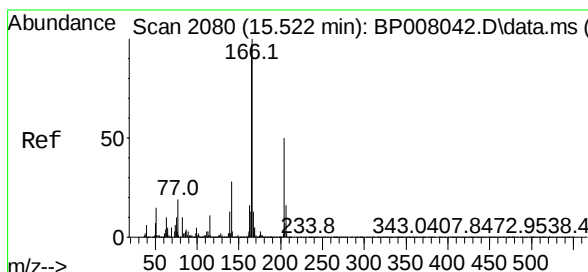
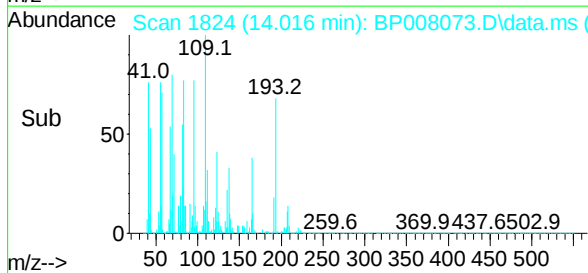
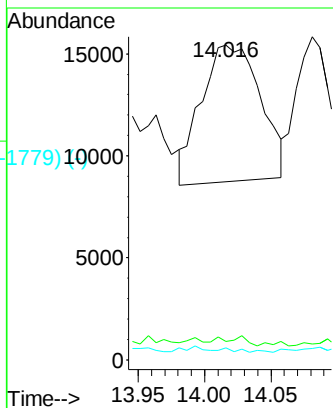
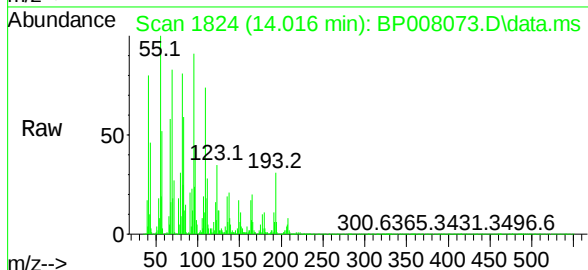




Scan 1830 (14.051 min): BP008042.D\data.ms (-1830) (-)
 2,6-Dinitrotoluene
 Concen: 4.23 ng
 RT: 14.016 min Scan# 1830
 Delta R.T. -0.035 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

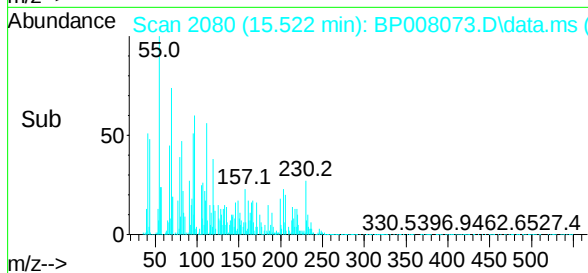
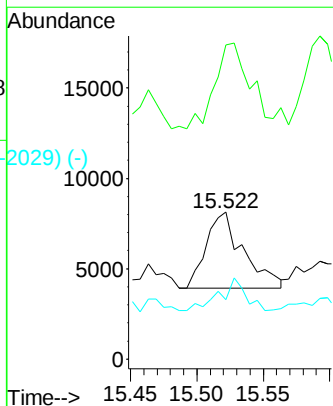
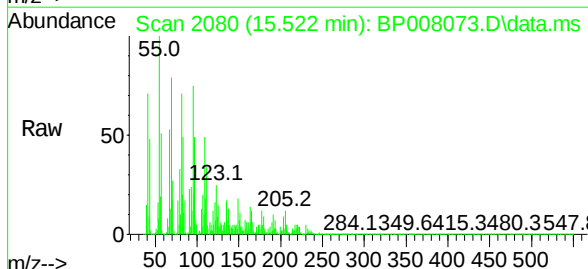
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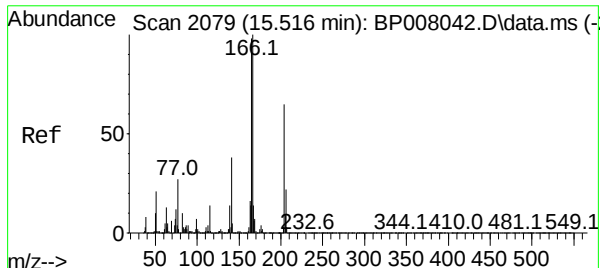
Tgt Ion:	165	Resp:	20839
Ion	Ratio	Lower	Upper
165	100		
63	5.8	51.0	76.6#
89	3.9	50.5	75.7#



Scan 2080 (15.522 min): BP008042.D\data.ms (-2080) (-)
 Fluorene
 Concen: Below Cal
 RT: 15.522 min Scan# 2080
 Delta R.T. -0.000 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion:	166	Resp:	8252
Ion	Ratio	Lower	Upper
166	100		
165	213.8	77.4	116.0#
167	40.3	10.7	16.1#

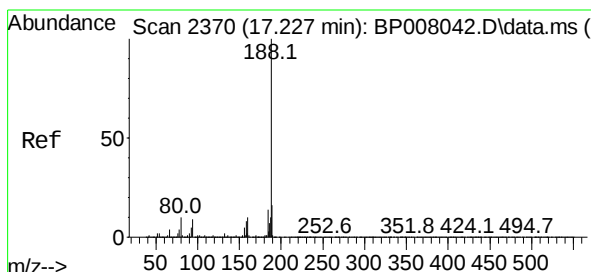
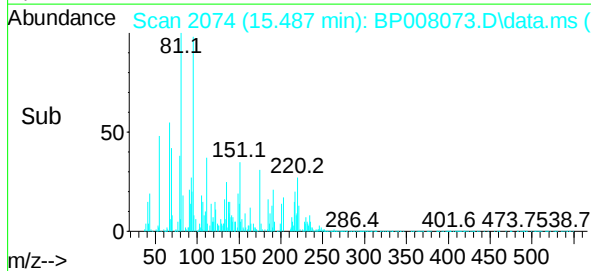
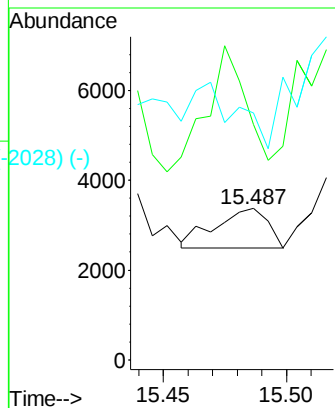
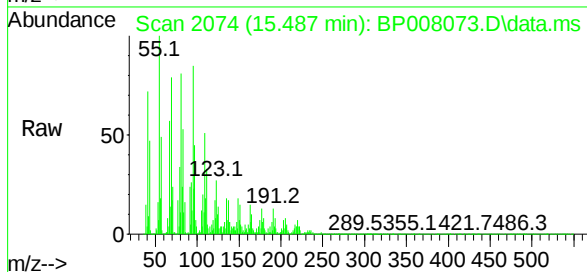




4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 15.487 min Scan# 2079
 Delta R.T. -0.029 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

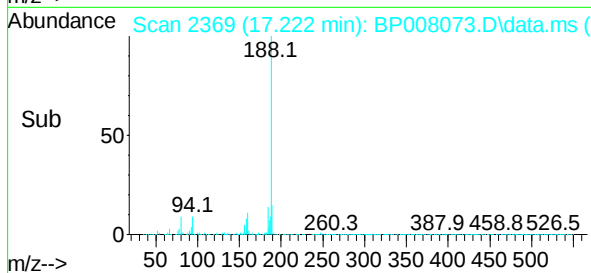
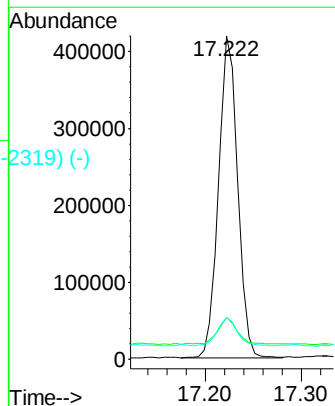
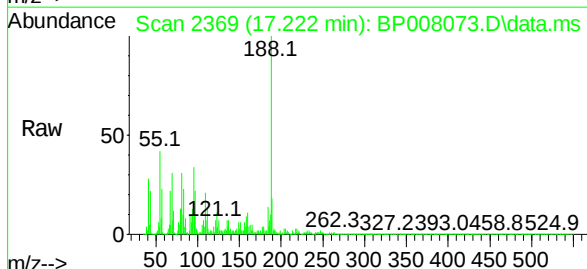
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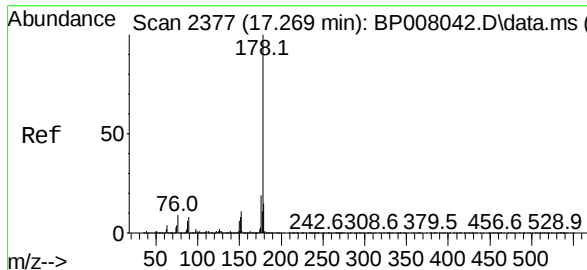
Tgt Ion:	204	Resp:	1297
Ion Ratio	Lower	Upper	
204	100		
206	155.3	27.3	40.9#
141	163.1	46.7	70.1#



Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.222 min Scan# 2369
 Delta R.T. -0.005 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion:	188	Resp:	580059
Ion Ratio	Lower	Upper	
188	100		
94	12.9	7.1	10.7#
80	12.9	8.1	12.1#

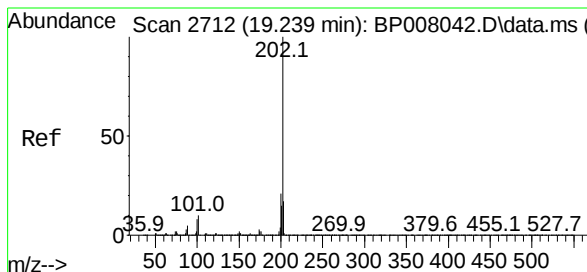
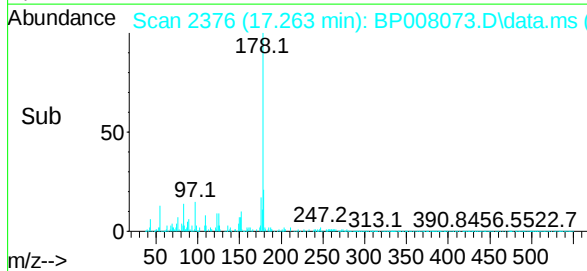
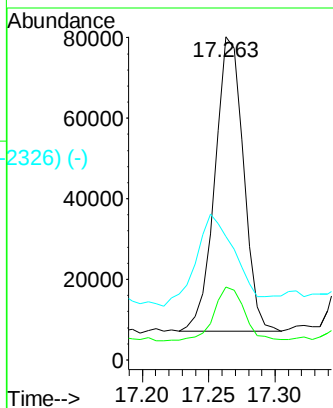
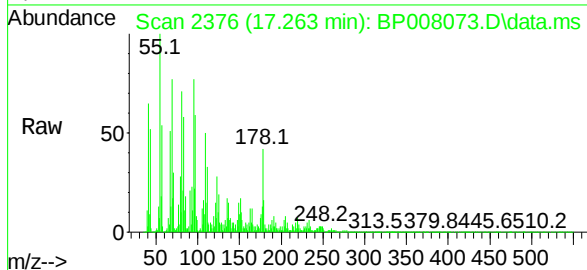




Phenanthrene
Concen: 3.48 ng
RT: 17.263 min Scan# 2377
Delta R.T. -0.006 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

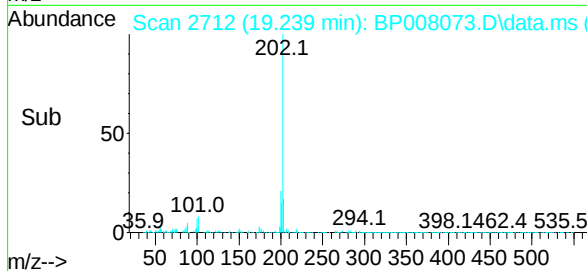
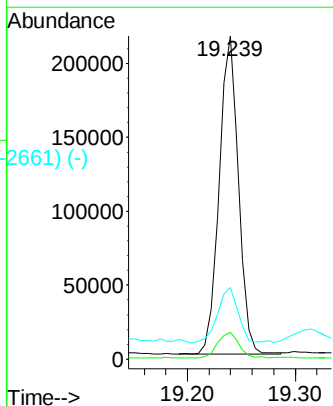
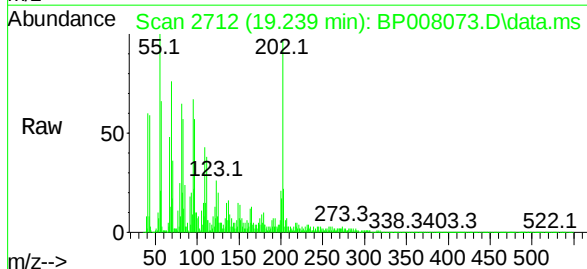
Instrument :
BNA_P
ClientSampleId :
CHRT-26706

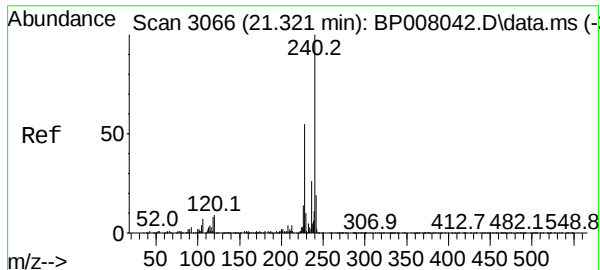
Tgt Ion:	178	Resp:	108724
Ion Ratio	Lower	Upper	
178	100		
176	22.5	15.6	23.4
179	38.2	12.4	18.6#



Fluoranthene
Concen: 6.73 ng
RT: 19.239 min Scan# 2712
Delta R.T. 0.000 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

Tgt Ion:	202	Resp:	271186
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	29.5
203	22.2	0.0	37.3

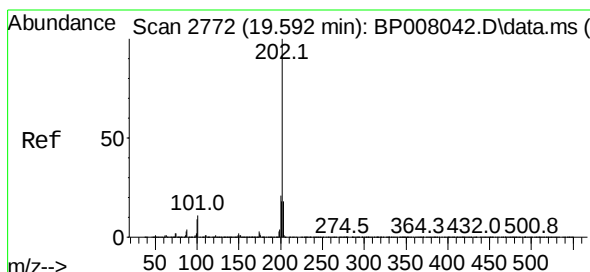
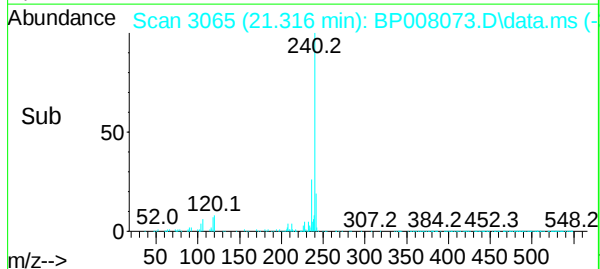
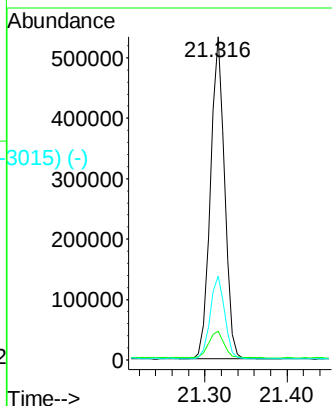
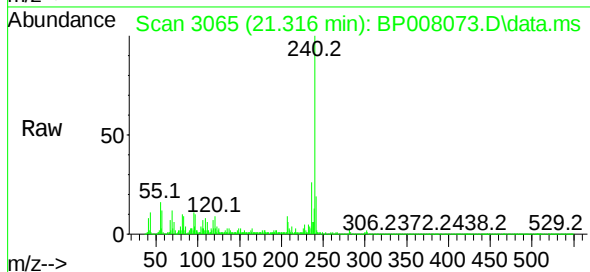




Chrysene-d12
Concen: 20.00 ng
RT: 21.316 min Scan# 3065
Delta R.T. -0.005 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

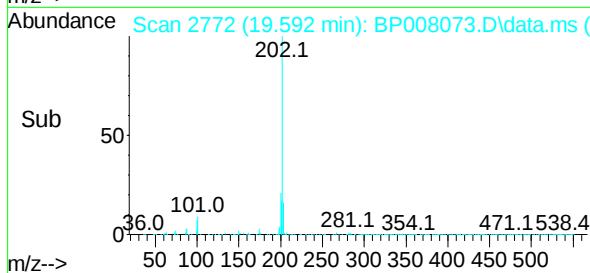
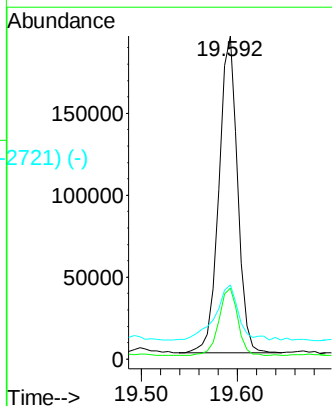
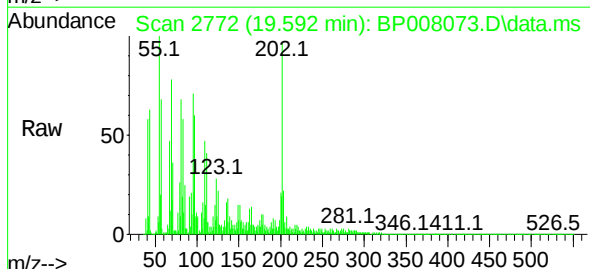
Instrument :
BNA_P
ClientSampleId :
CHRT-26706

Tgt Ion:	240	Resp:	639235
Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.4	11.2
236	25.9	21.0	31.4

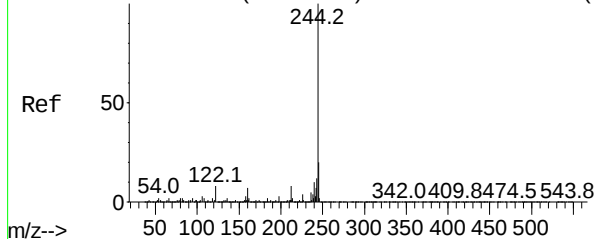


Pyrene
Concen: 6.03 ng
RT: 19.592 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

Tgt Ion:	202	Resp:	261785
Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.9	25.3
203	22.9	14.2	21.2#



Abundance Scan 2807 (19.798 min): BP008042.D\data.ms (-2754) (-)



Terphenyl-d14

Concen: 70.92 ng

RT: 19.792 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP008073.D

Acq: 20 Nov 2021 23:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26706

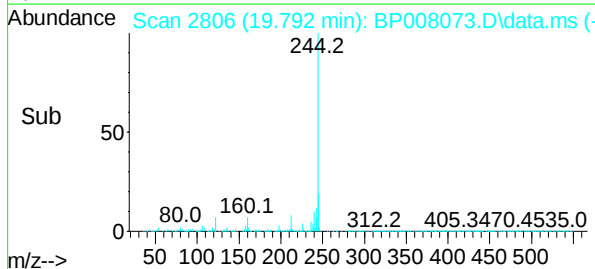
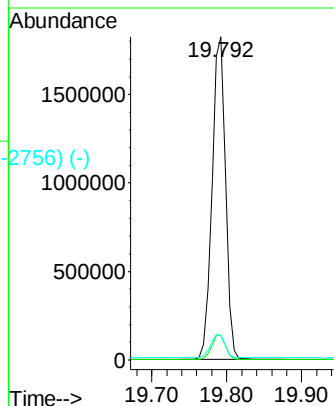
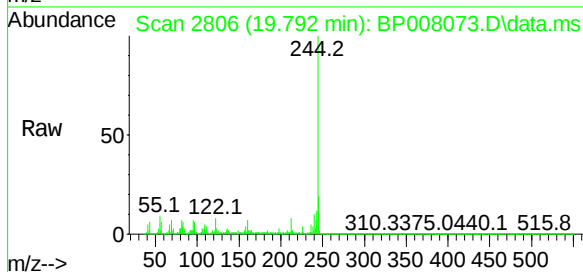
Tgt Ion:244 Resp: 2305733

Ion Ratio Lower Upper

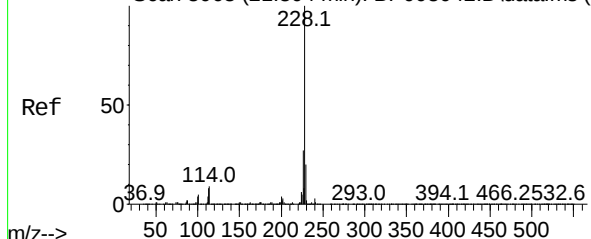
244 100

212 7.8 6.3 9.5

122 7.6 6.1 9.1



Abundance Scan 3063 (21.304 min): BP008042.D\data.ms (-3081) (-)



Benzo(a)anthracene

Concen: 4.36 ng

RT: 21.298 min Scan# 3062

Delta R.T. -0.005 min

Lab File: BP008073.D

Acq: 20 Nov 2021 23:54

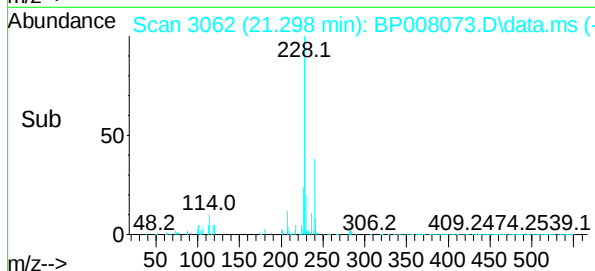
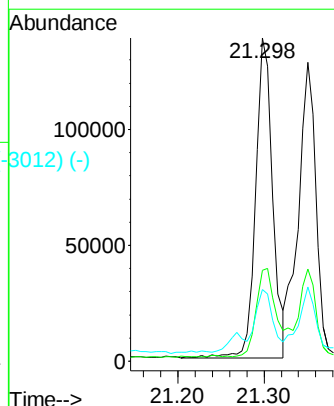
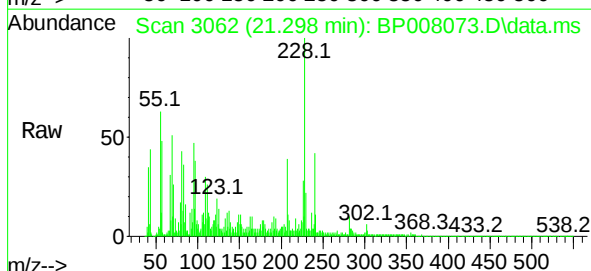
Tgt Ion:228 Resp: 187072

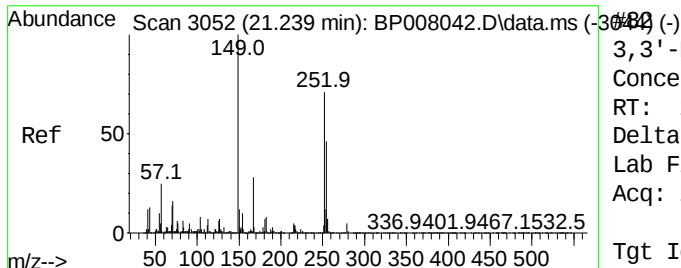
Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.6

229 22.1 16.1 24.1

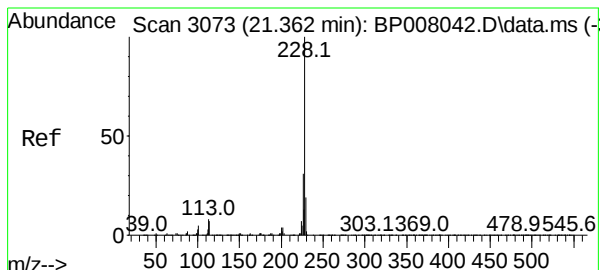
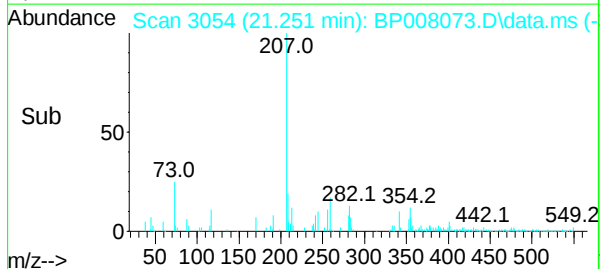
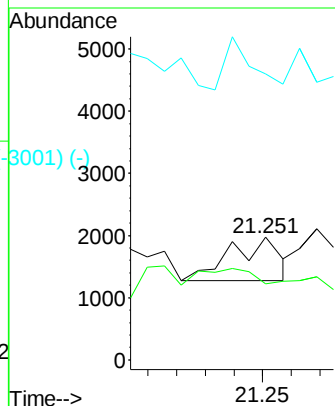
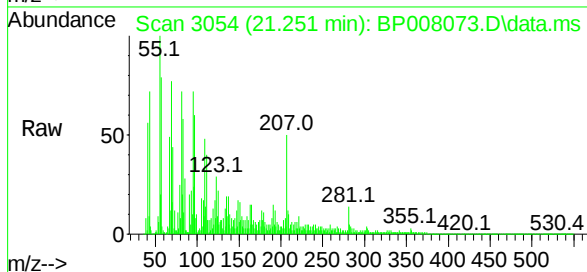




3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.251 min Scan# 3052
Delta R.T. 0.012 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

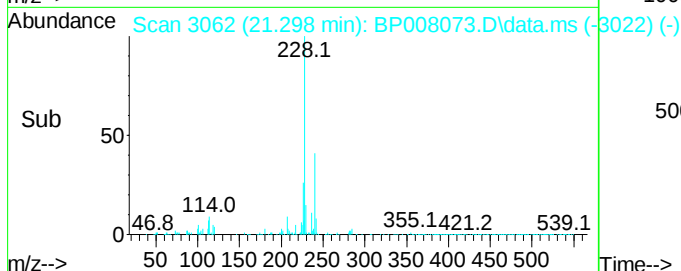
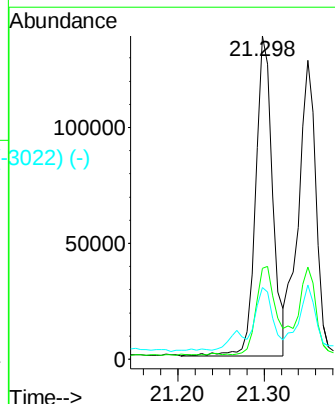
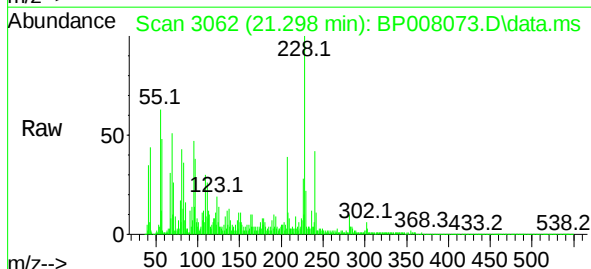
Instrument :
BNA_P
ClientSampleId :
CHRT-26706

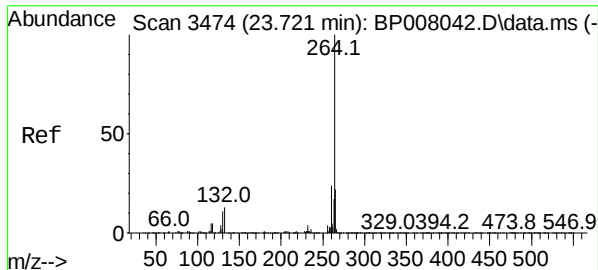
Tgt Ion:252 Resp: 825
Ion Ratio Lower Upper
252 100
254 61.9 51.8 77.8
126 233.4 7.2 10.8#



Chrysene
Concen: 4.60 ng
RT: 21.298 min Scan# 3062
Delta R.T. -0.064 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

Tgt Ion:228 Resp: 187072
Ion Ratio Lower Upper
228 100
226 28.1 24.5 36.7
229 22.1 15.5 23.3

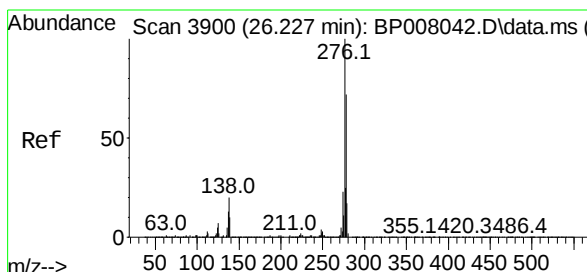
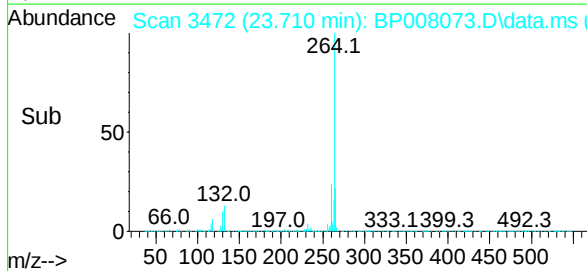
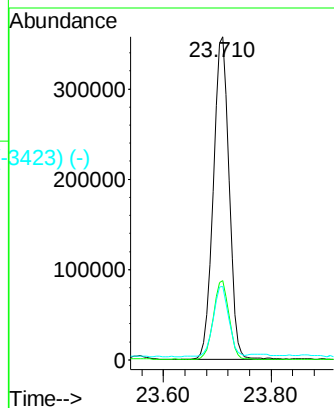
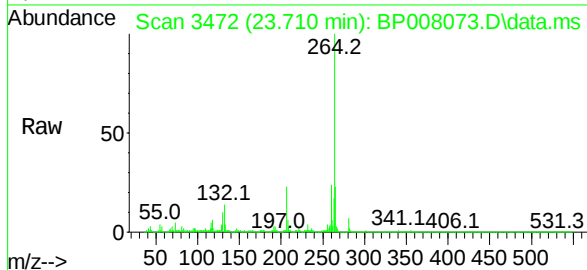




Perylene-d12
Concen: 20.00 ng
RT: 23.710 min Scan# 456
Delta R.T. -0.011 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

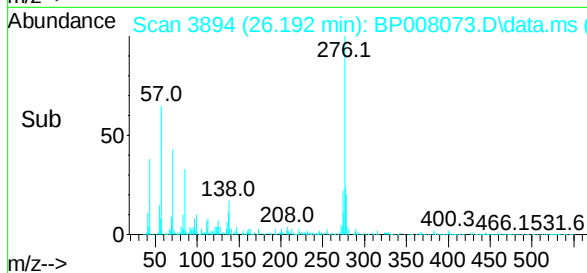
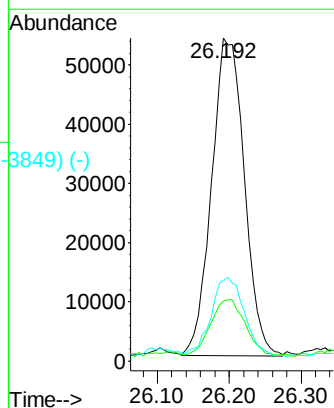
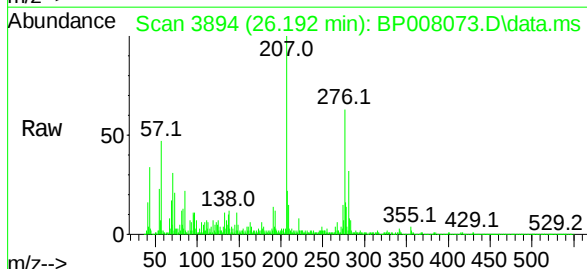
Instrument :
BNA_P
ClientSampleId :
CHRT-26706

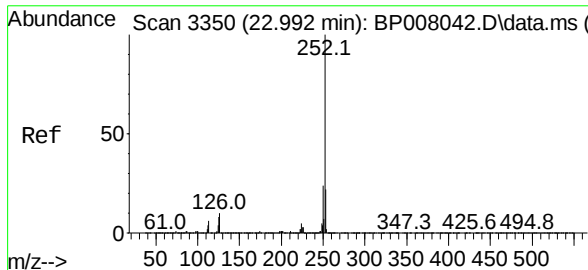
Tgt Ion:	264	Resp:	723189
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.0	28.6
265	22.8	17.7	26.5



Indeno(1,2,3-cd)pyrene
Concen: 3.39 ng
RT: 26.192 min Scan# 3894
Delta R.T. -0.035 min
Lab File: BP008073.D
Acq: 20 Nov 2021 23:54

Tgt Ion:	276	Resp:	170063
Ion Ratio	Lower	Upper	
276	100		
138	18.0	16.5	24.7
277	25.8	20.2	30.4

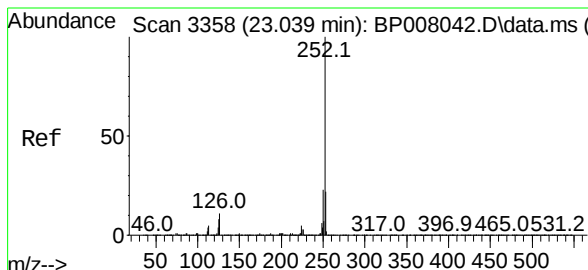
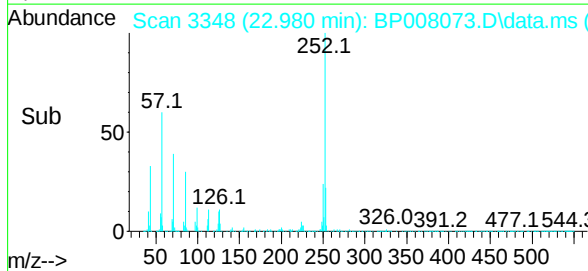
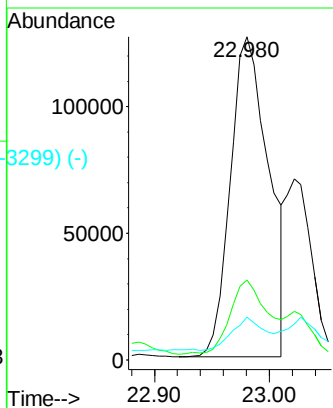
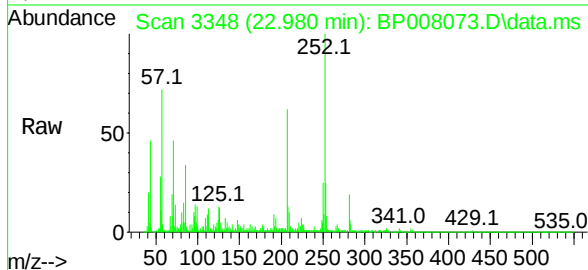




Scan 3350 (22.992 min): BP008042.D\data.ms (-3350) (-)
 Benzo(b)fluoranthene
 Concen: 6.48 ng
 RT: 22.980 min Scan# 3348
 Delta R.T. -0.011 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

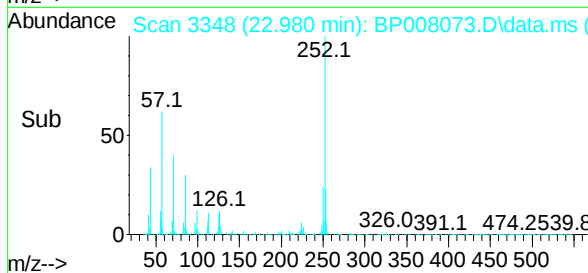
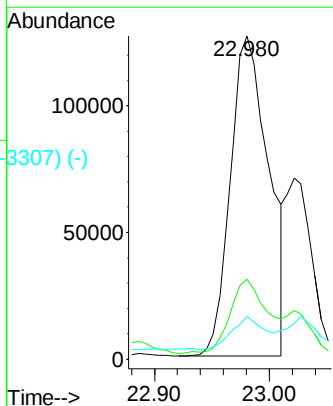
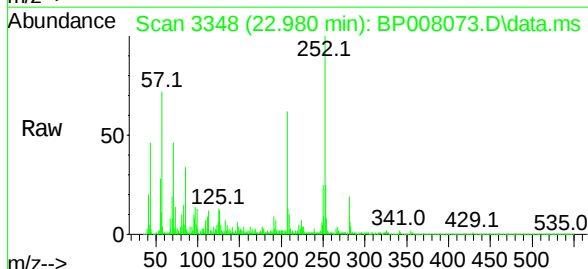
Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26706

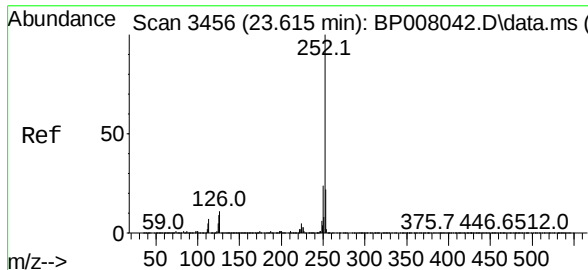
Tgt Ion:	252	Resp:	292979
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.4	26.2
125	13.2	6.1	9.1#



Scan 3358 (23.039 min): BP008042.D\data.ms (-3358) (-)
 Benzo(k)fluoranthene
 Concen: 6.51 ng
 RT: 22.980 min Scan# 3348
 Delta R.T. -0.059 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion:	252	Resp:	292979
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.4	26.0
125	13.2	6.2	9.4#

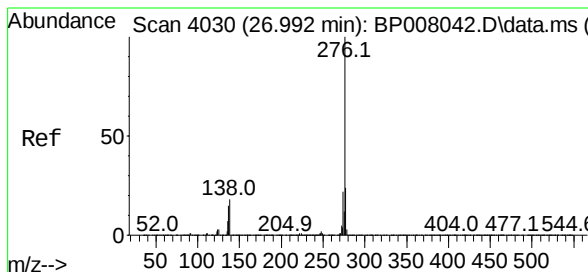
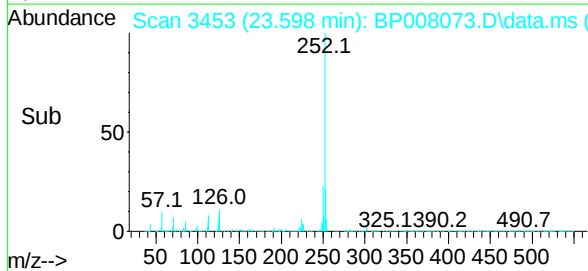
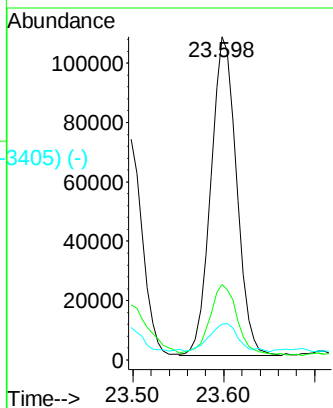
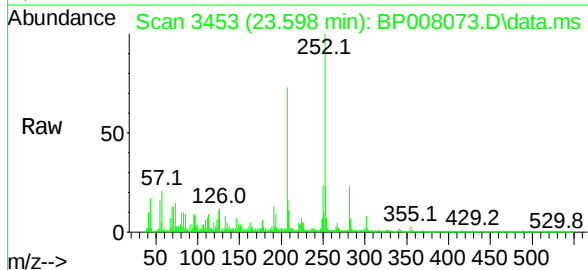




Benzo(a)pyrene
 Concen: 5.58 ng
 RT: 23.598 min Scan# 4092
 Delta R.T. -0.017 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26706

Tgt Ion:	252	Resp:	211397
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.2
125	11.0	7.4	11.2



Benzo(g,h,i)perylene
 Concen: 4.14 ng
 RT: 26.963 min Scan# 4025
 Delta R.T. -0.029 min
 Lab File: BP008073.D
 Acq: 20 Nov 2021 23:54

Tgt Ion:	276	Resp:	169602
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.0	28.6
138	19.0	14.2	21.2

