

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020922\
 Data File : BP009087.D
 Acq On : 09 Feb 2022 20:18
 Operator : CG/JU
 Sample : N1387-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 26516

Quant Time: Feb 10 01:46:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

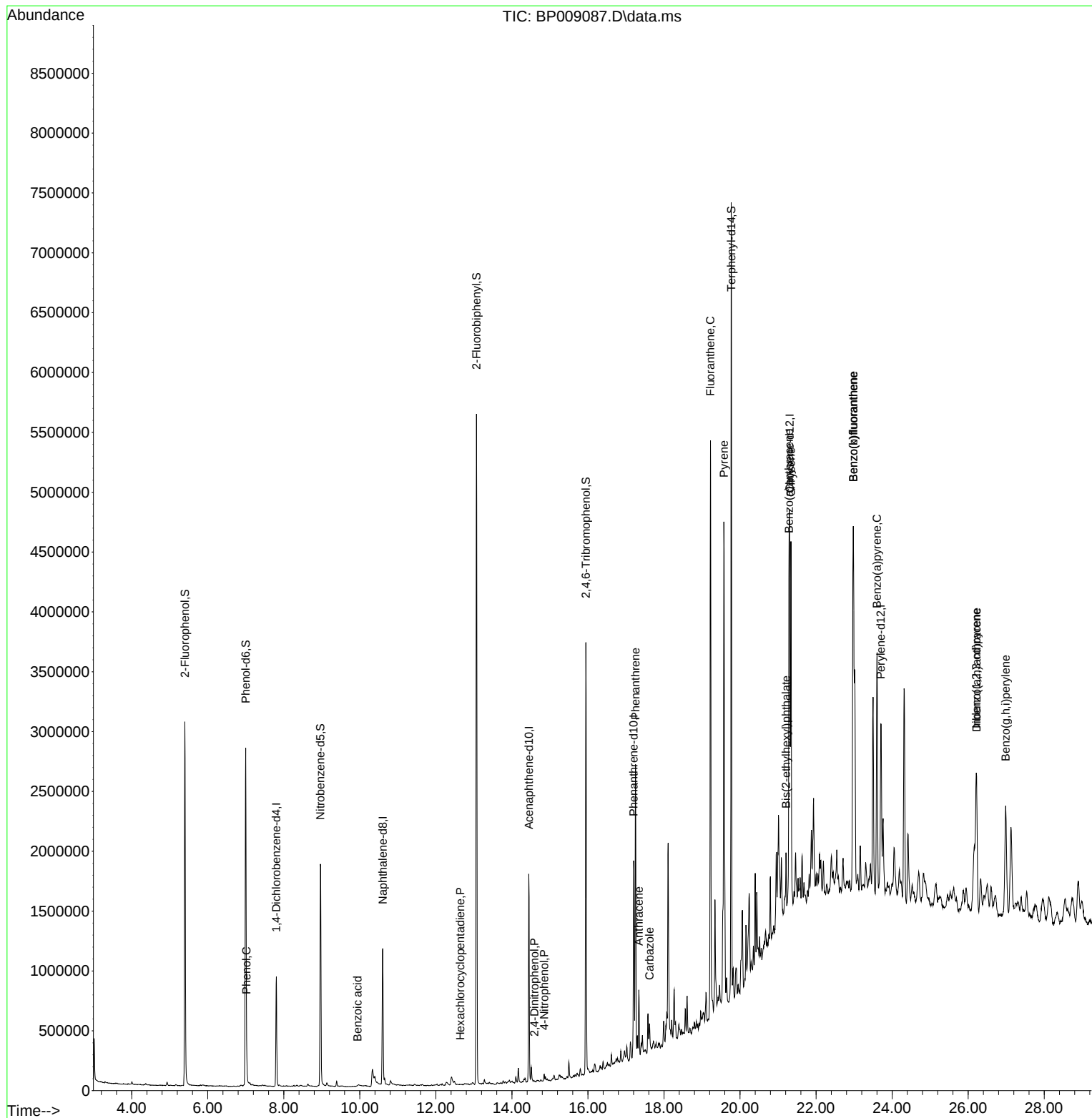
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	279166	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1064674	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	646820	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1065358	20.000	ng	0.00
76) Chrysene-d12	21.304	240	1022840	20.000	ng	0.00
86) Perylene-d12	23.704	264	1176333	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1508218	96.372	ng	0.00
7) Phenol-d6	6.999	99	1851612	89.790	ng	0.01
23) Nitrobenzene-d5	8.963	82	1169332	61.937	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	845944	97.953	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	3244068	70.210	ng	0.00
79) Terphenyl-d14	19.769	244	3383148	59.482	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.022	94	46421	2.239	ng	# 65
32) Benzoic acid	9.940	122	1932	2.886	ng	# 81
41) Hexachlorocyclopentadiene	12.640	237	40	8.660	ng	80
54) 2,4-Dinitrophenol	14.592	184	34	2.175	ng	# 1
56) 4-Nitrophenol	14.851	139	13472	3.729	ng	# 24
71) Phenanthrene	17.251	178	1159403	20.099	ng	98
72) Anthracene	17.339	178	372071	6.593	ng	100
73) Carbazole	17.622	167	152218	2.814	ng	99
75) Fluoranthene	19.222	202	3052975	47.220	ng	96
78) Pyrene	19.575	202	2640967	36.296	ng	98
81) Benzo(a)anthracene	21.286	228	1525290	23.141	ng	99
83) Chrysene	21.339	228	1842936	29.003	ng	97
84) Bis(2-ethylhexyl)phtha...	21.210	149	194583	5.880	ng	98
87) Indeno(1,2,3-cd)pyrene	26.215	276	1338517	15.314	ng	# 92
88) Benzo(b)fluoranthene	22.980	252	3574424	49.359	ng	98
89) Benzo(k)fluoranthene	22.980	252	3574424	49.474	ng	98
90) Benzo(a)pyrene	23.604	252	1573516	26.062	ng	96
91) Dibenzo(a,h)anthracene	26.221	278	358342	4.989	ng	# 92
92) Benzo(g,h,i)perylene	26.986	276	1313866	18.372	ng	96

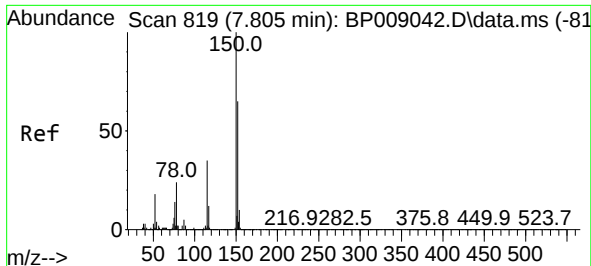
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 07 15:13:17 2022
Response via : Initial Calibration

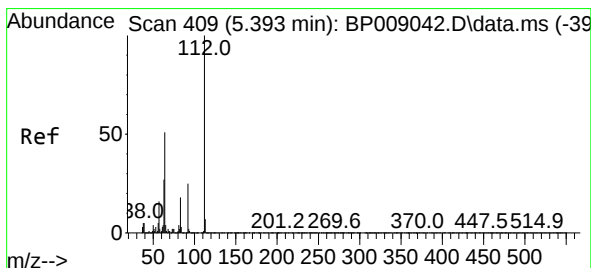
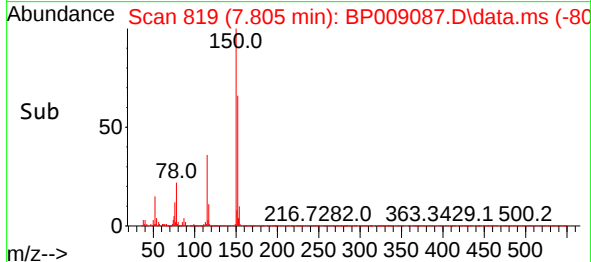
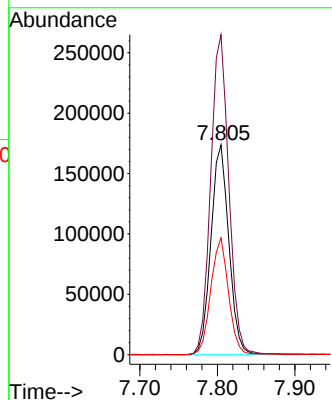
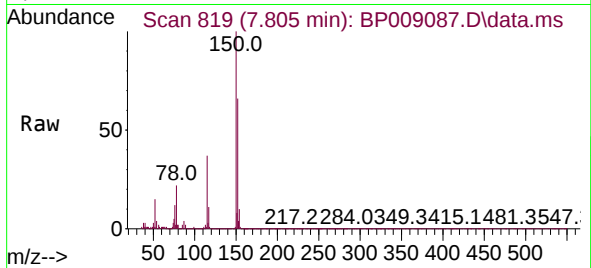




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.805 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP009087.D
 Acq: 09 Feb 2022 20:18

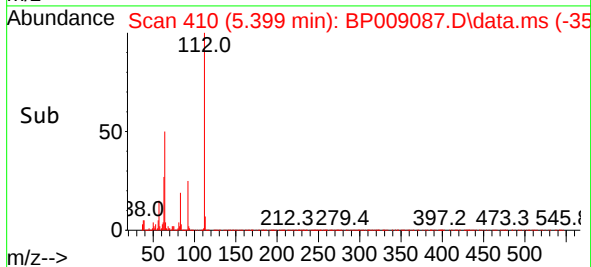
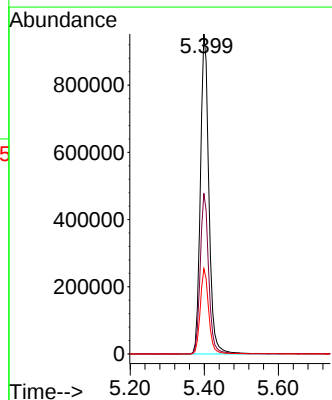
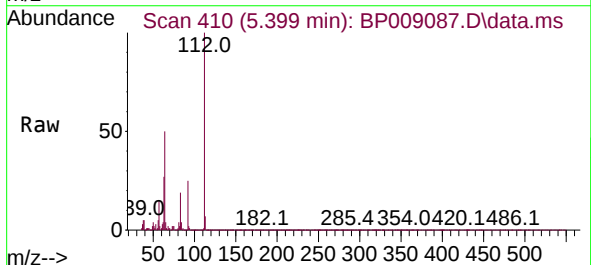
Instrument :
 BNA_P
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 26516

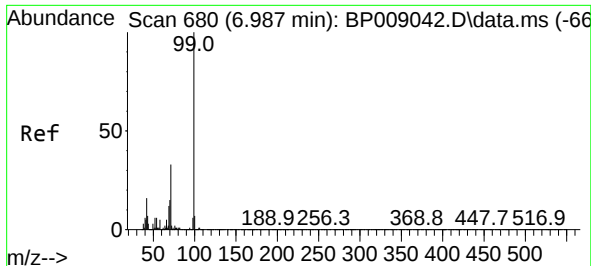
Tgt Ion:152 Resp: 279166
 Ion Ratio Lower Upper
 152 100
 150 152.5 127.0 190.6
 115 55.7 43.7 65.5



#5
 2-Fluorophenol
 Concen: 96.372 ng
 RT: 5.399 min Scan# 410
 Delta R.T. 0.006 min
 Lab File: BP009087.D
 Acq: 09 Feb 2022 20:18

Tgt Ion:112 Resp: 1508218
 Ion Ratio Lower Upper
 112 100
 64 50.2 39.7 59.5
 63 26.7 20.0 30.0

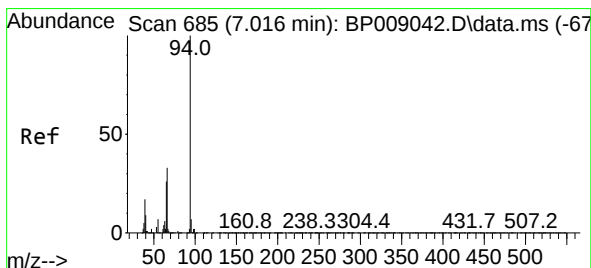
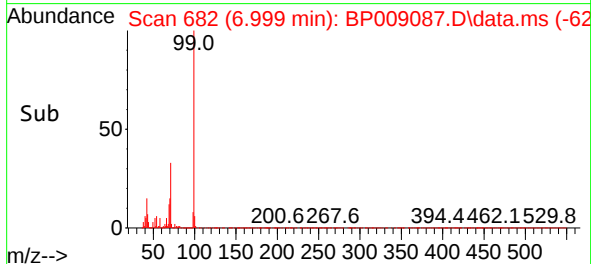
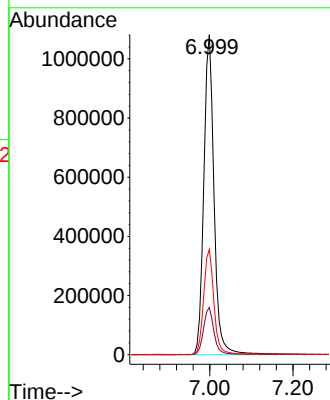
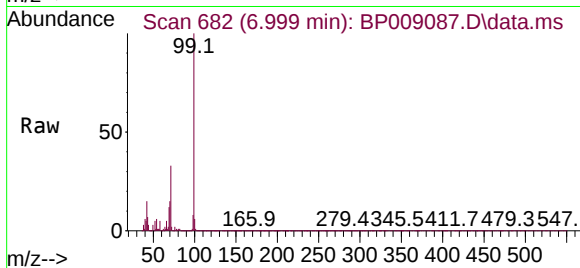




#7
Phenol-d6
Concen: 89.790 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

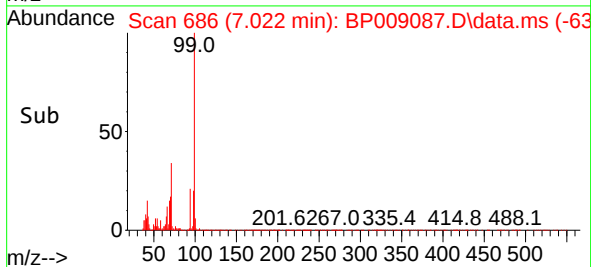
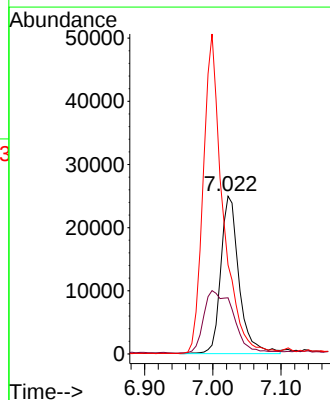
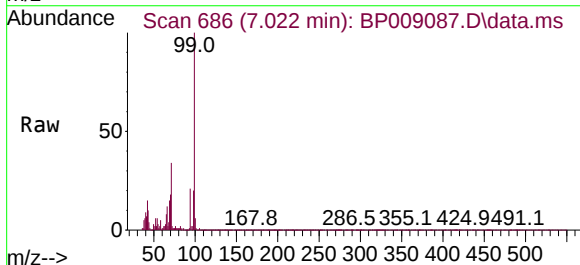
Instrument :
BNA_P
ClientSampleId :
26516

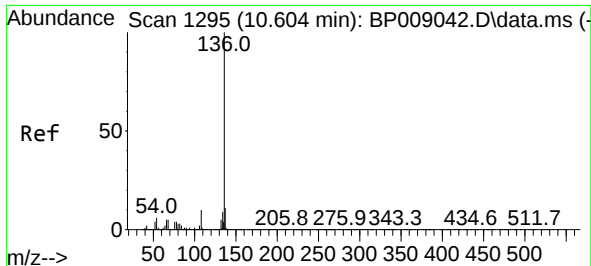
Tgt Ion: 99 Resp: 1851612
Ion Ratio Lower Upper
99 100
42 14.8 10.8 16.2
71 32.9 23.8 35.6



#10
Phenol
Concen: 2.239 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion: 94 Resp: 46421
Ion Ratio Lower Upper
94 100
65 35.6 4.1 44.1
66 56.4 12.4 52.4#



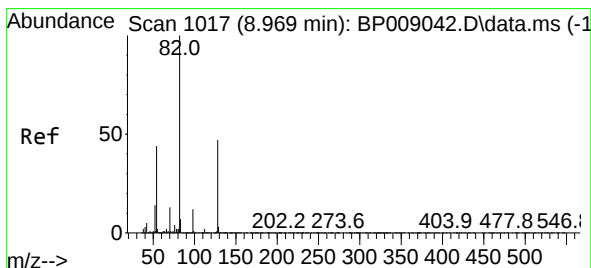
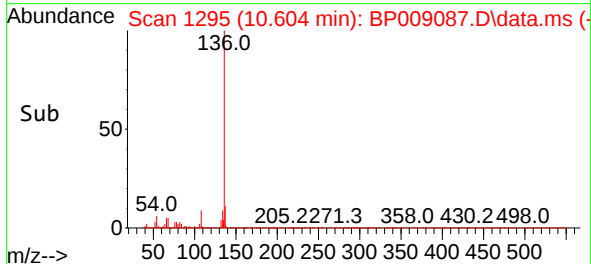
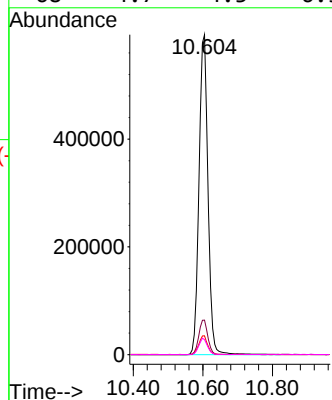
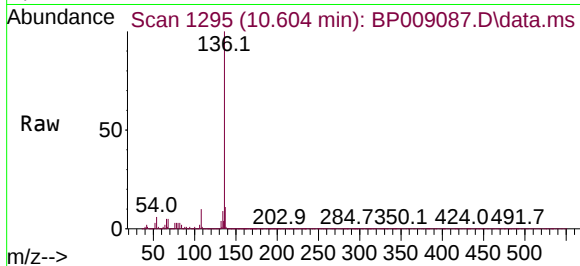


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Instrument :
BNA_P
ClientSampleId :
26516

Tgt Ion:136 Resp: 1064674

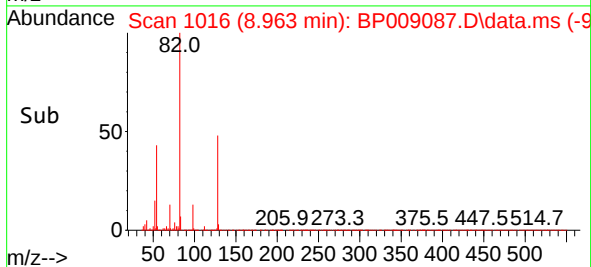
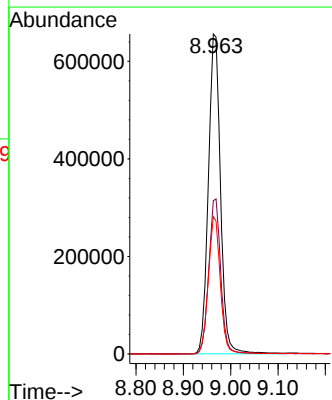
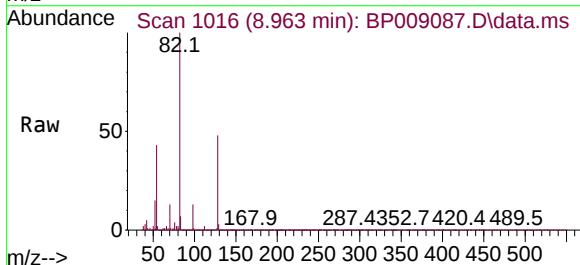
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	5.9	4.9	7.3
68	4.7	4.3	6.5

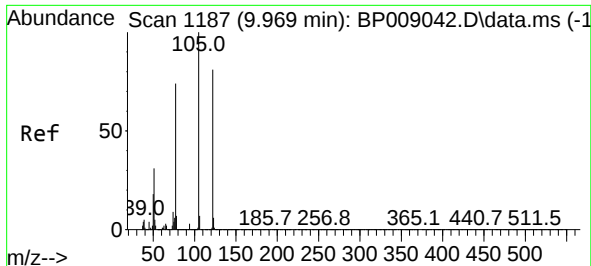


#23
Nitrobenzene-d5
Concen: 61.937 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion: 82 Resp: 1169332

Ion	Ratio	Lower	Upper
82	100		
128	47.9	39.4	59.2
54	42.9	32.6	48.8

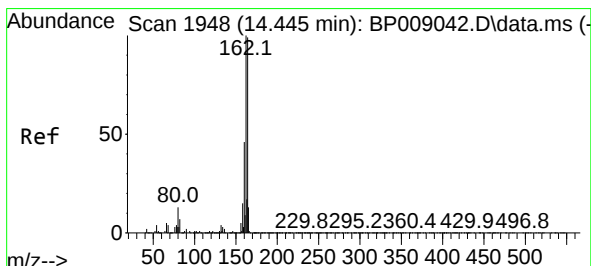
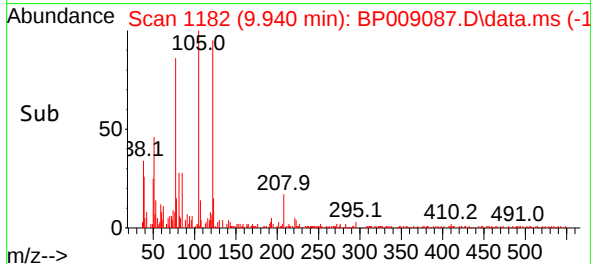
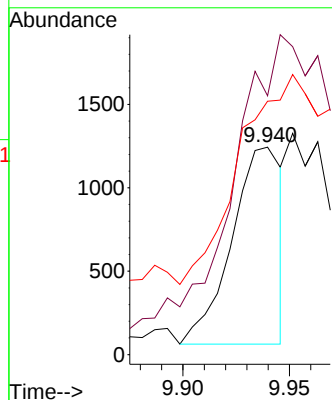
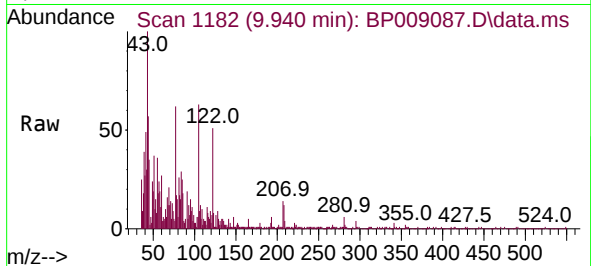




#32
Benzoic acid
Concen: 2.886 ng
RT: 9.940 min Scan# 1187
Delta R.T. -0.029 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

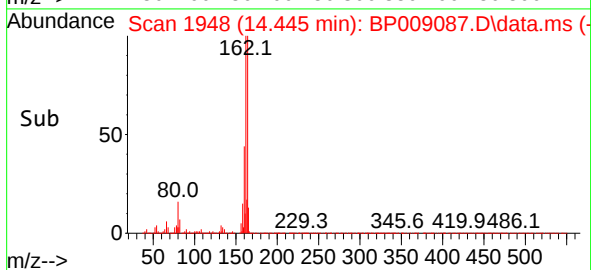
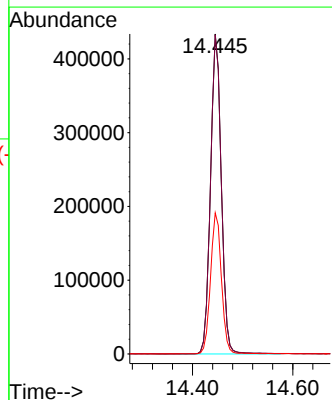
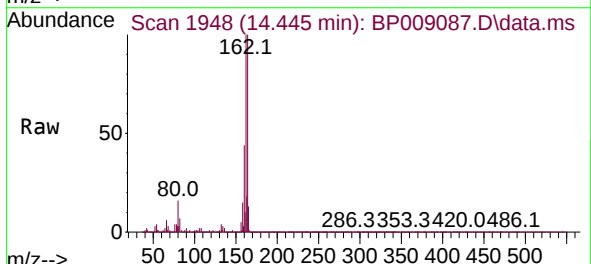
Instrument :
BNA_P
ClientSampleId :
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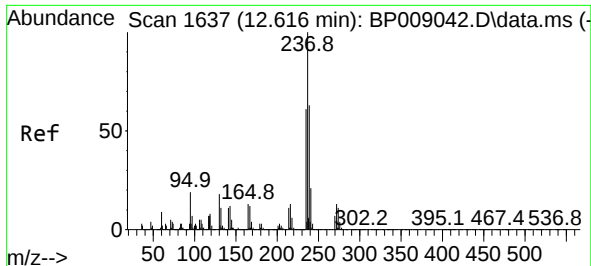
Tgt Ion:122 Resp: 1932
Ion Ratio Lower Upper
122 100
105 124.8 100.1 140.1
77 122.1 65.5 105.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion:164 Resp: 646820
Ion Ratio Lower Upper
164 100
162 99.7 79.9 119.9
160 44.1 35.5 53.3

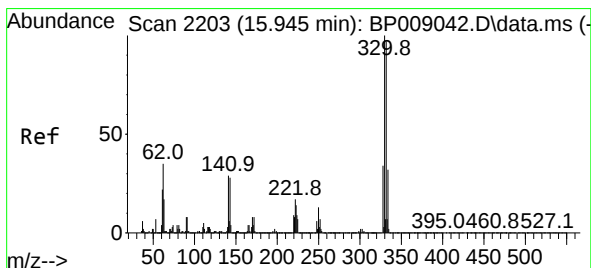
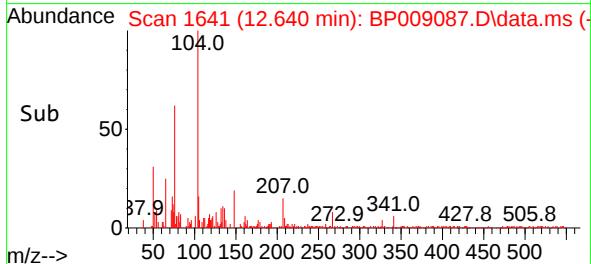
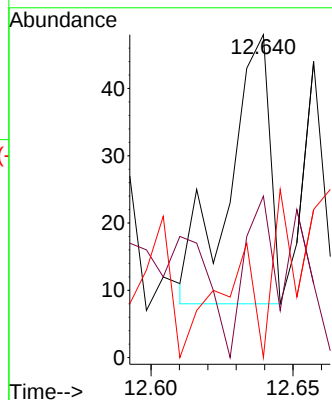
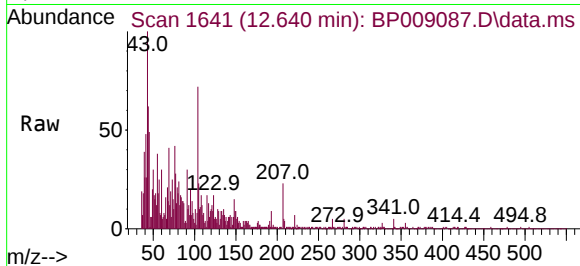




#41
Hexachlorocyclopentadiene
Concen: 8.660 ng
RT: 12.640 min Scan# 1
Delta R.T. 0.024 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

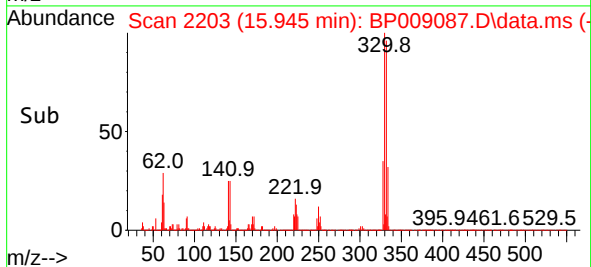
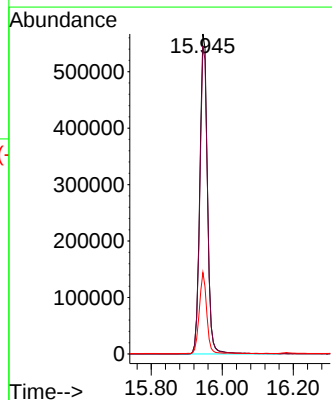
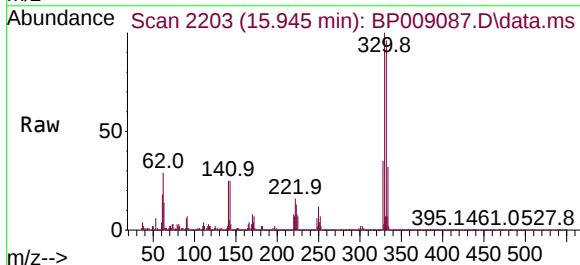
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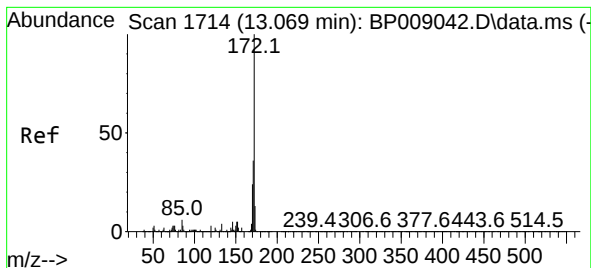
Tgt Ion:	237	Resp:	40
Ion	Ratio	Lower	Upper
237	100		
235	50.0	42.9	82.9
272	0.0	0.0	33.8



#42
2,4,6-Tribromophenol
Concen: 97.953 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion:	330	Resp:	845944
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.4
141	24.7	21.3	31.9





#45

2-Fluorobiphenyl

Concen: 70.210 ng

RT: 13.069 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

Instrument :

BNA_P

ClientSampleId :

26516

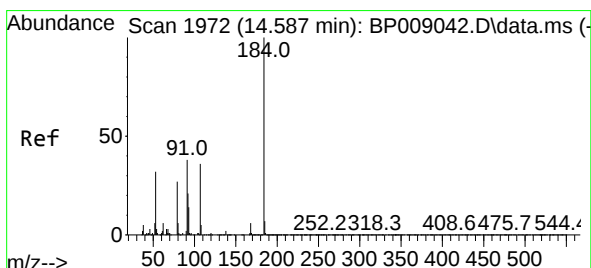
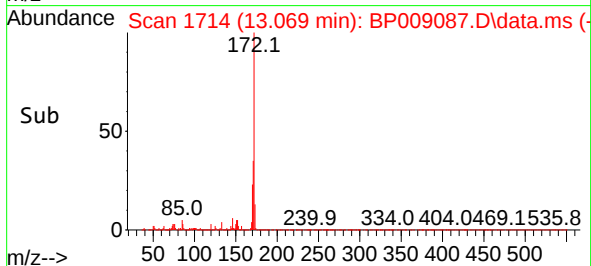
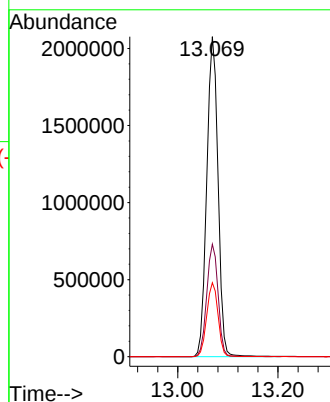
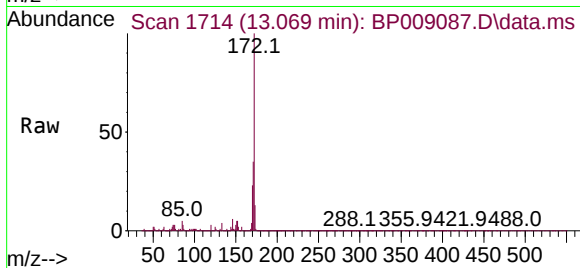
Tgt Ion:172 Resp: 3244068

Ion Ratio Lower Upper

172 100

171 35.1 29.3 43.9

170 23.1 19.5 29.3



#54

2,4-Dinitrophenol

Concen: 2.175 ng

RT: 14.592 min Scan# 1973

Delta R.T. 0.005 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

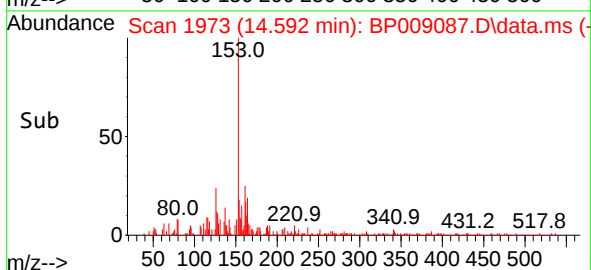
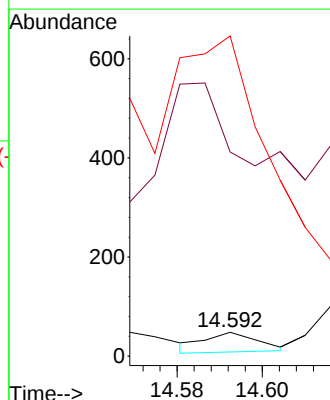
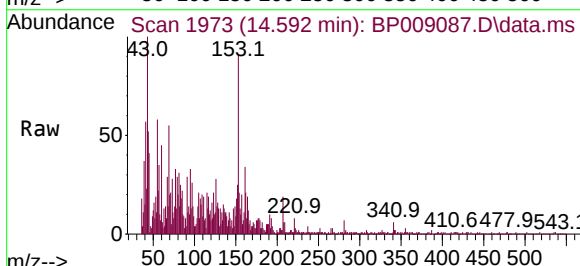
Tgt Ion:184 Resp: 34

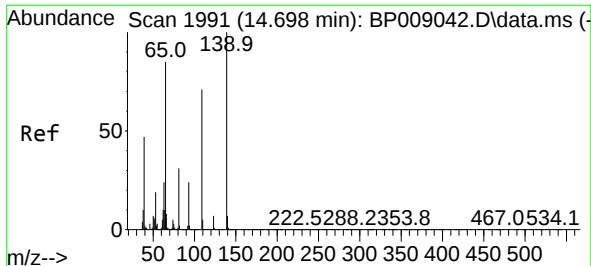
Ion Ratio Lower Upper

184 100

63 858.3 35.6 53.4#

154 1345.8 43.4 65.0#

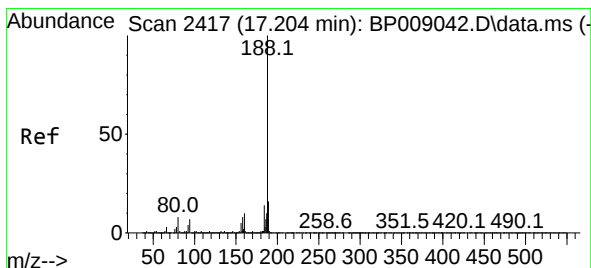
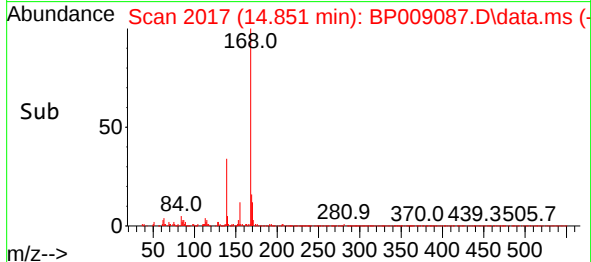
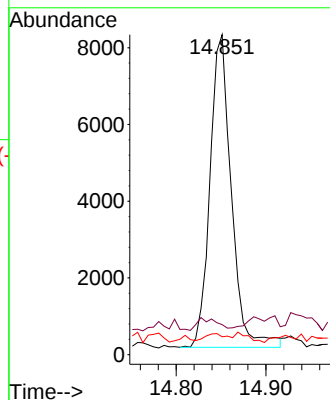
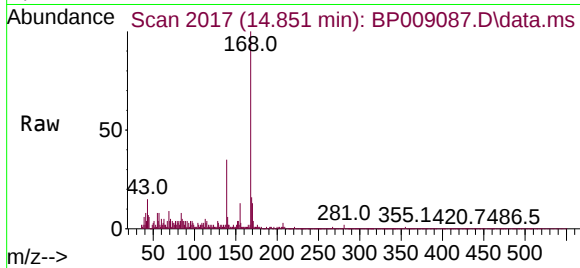




#56
4-Nitrophenol
Concen: 3.729 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.153 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

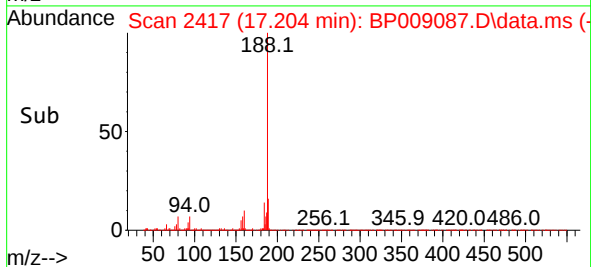
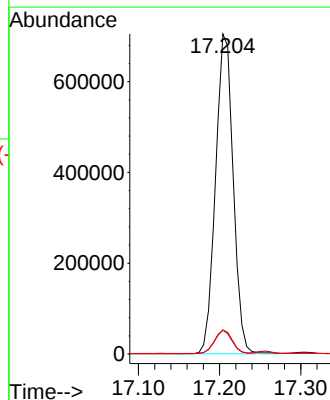
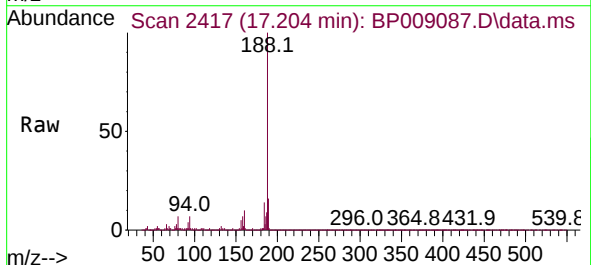
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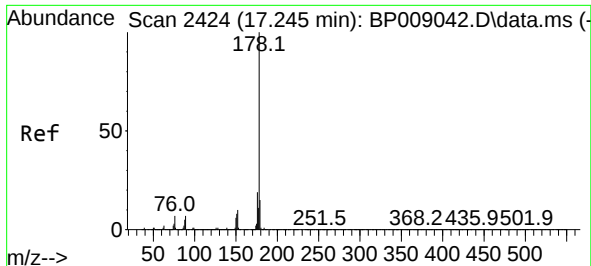
Tgt Ion:139 Resp: 13472
Ion Ratio Lower Upper
139 100
109 9.4 42.2 82.2#
65 5.6 57.3 97.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion:188 Resp: 1065358
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.5 7.2 10.8

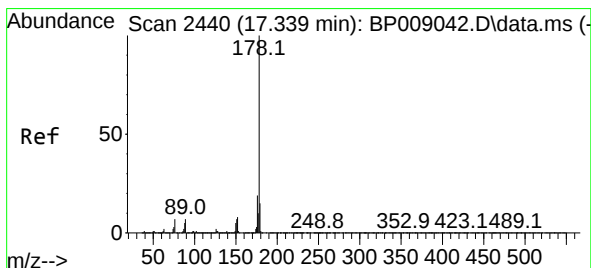
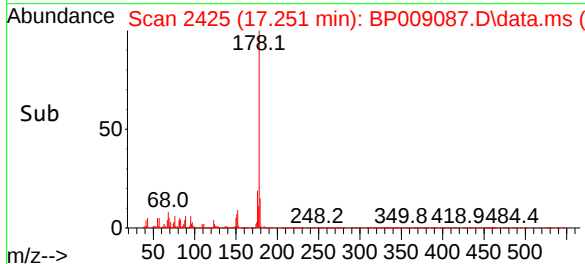
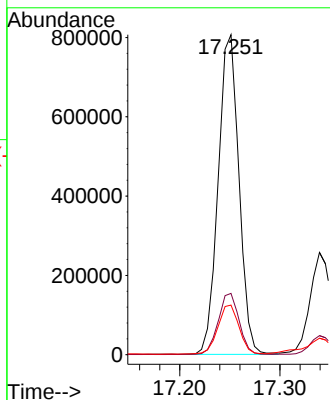
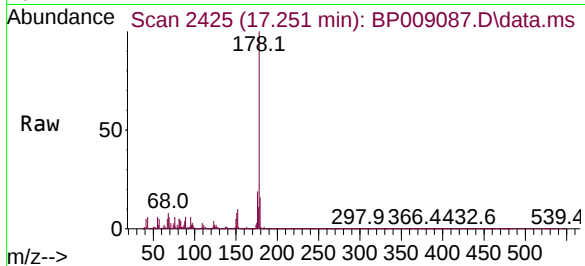




#71
Phenanthrene
Concen: 20.099 ng
RT: 17.251 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

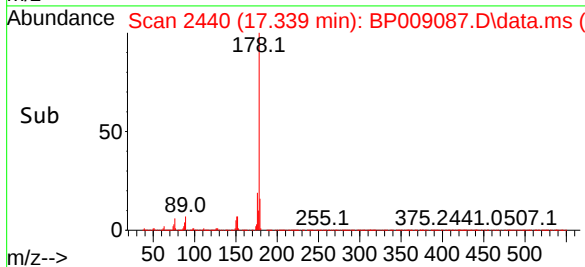
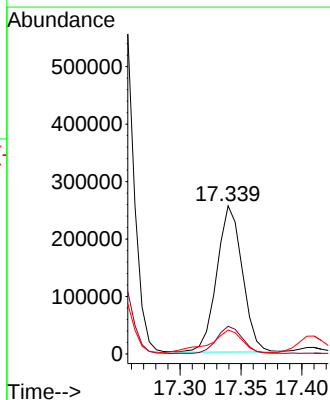
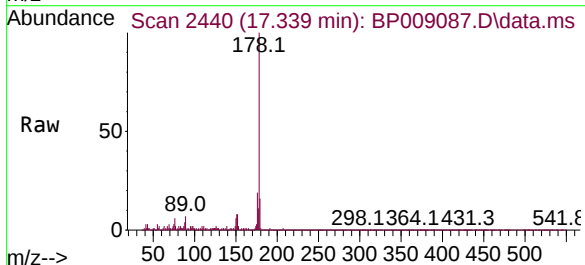
Instrument :
BNA_P
ClientSampleId :
26516

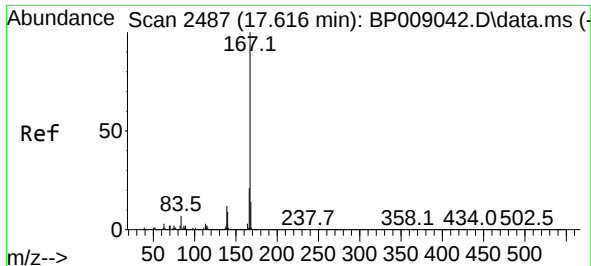
Tgt Ion:178 Resp: 1159403
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.5 13.0 19.4



#72
Anthracene
Concen: 6.593 ng
RT: 17.339 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion:178 Resp: 372071
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 16.1 12.8 19.2

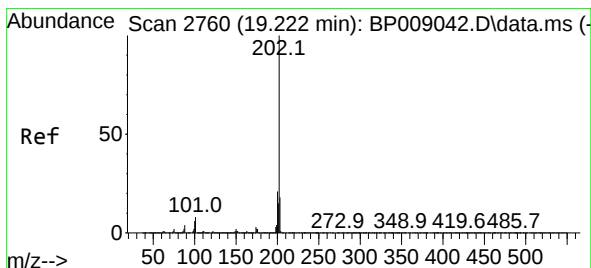
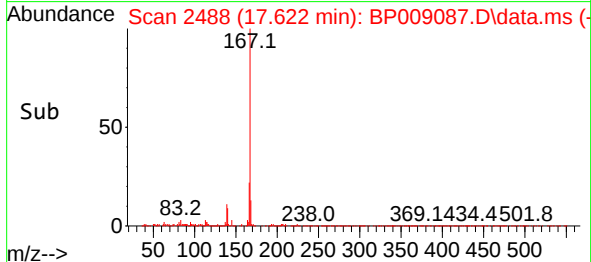
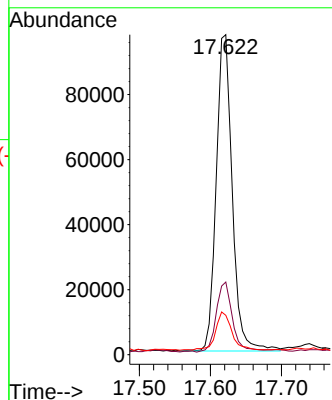
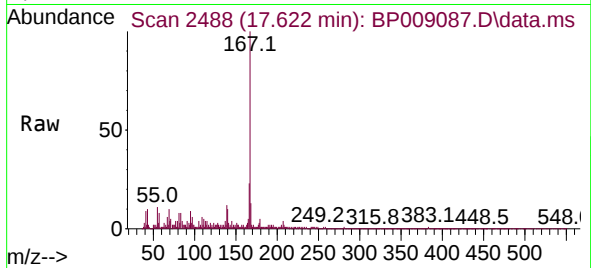




#73
 Carbazole
 Concen: 2.814 ng
 RT: 17.622 min Scan# 2487
 Delta R.T. 0.006 min
 Lab File: BP009087.D
 Acq: 09 Feb 2022 20:18

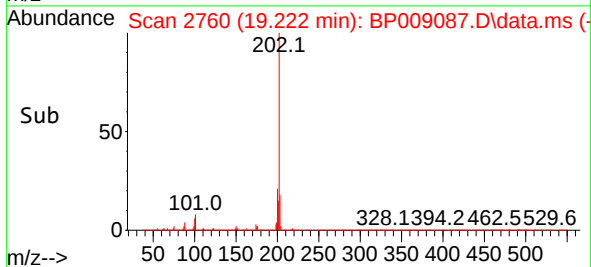
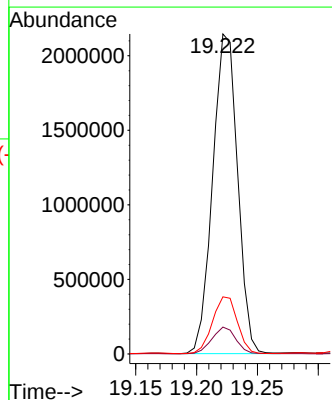
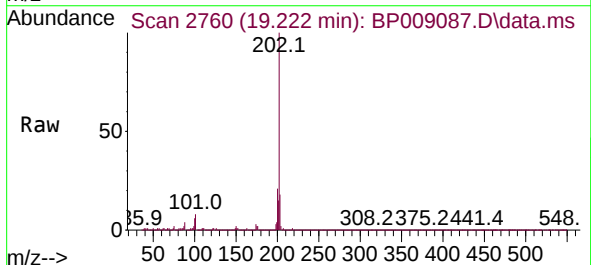
Instrument :
 BNA_P
 ClientSampleId :
 26516

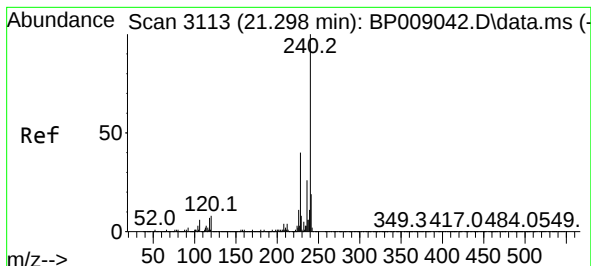
Tgt Ion:167 Resp: 152218
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 12.3 9.8 14.6



#75
 Fluoranthene
 Concen: 47.220 ng
 RT: 19.222 min Scan# 2760
 Delta R.T. -0.000 min
 Lab File: BP009087.D
 Acq: 09 Feb 2022 20:18

Tgt Ion:202 Resp: 3052975
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 30.7
 203 17.8 0.0 38.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.304 min Scan# 3114

Delta R.T. 0.006 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

Instrument :

BNA_P

ClientSampleId :

26516

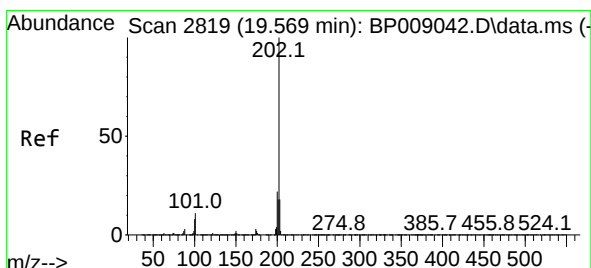
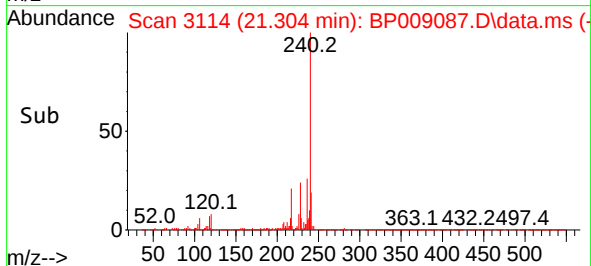
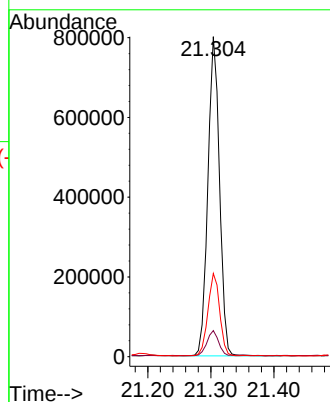
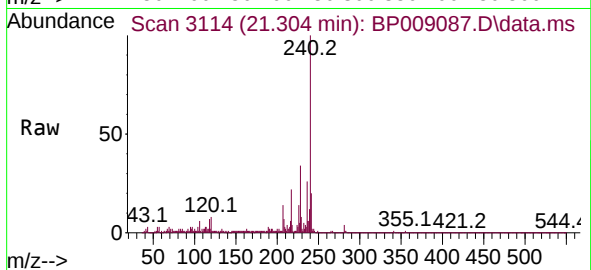
Tgt Ion:240 Resp: 1022840

Ion Ratio Lower Upper

240 100

120 8.1 7.7 11.5

236 26.0 21.2 31.8



#78

Pyrene

Concen: 36.296 ng

RT: 19.575 min Scan# 2820

Delta R.T. 0.006 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

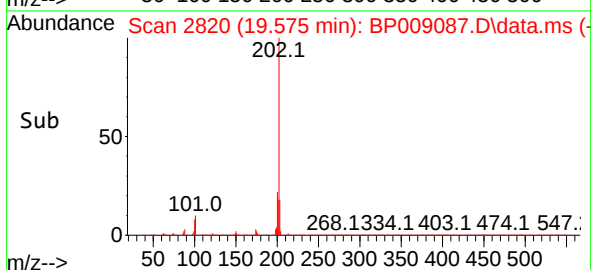
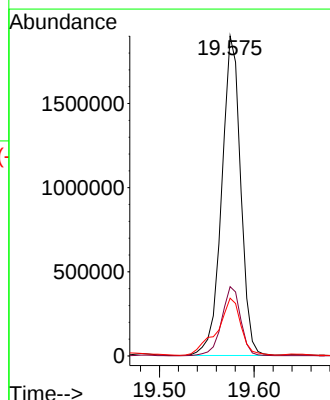
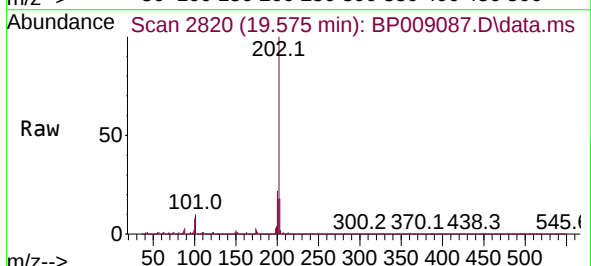
Tgt Ion:202 Resp: 2640967

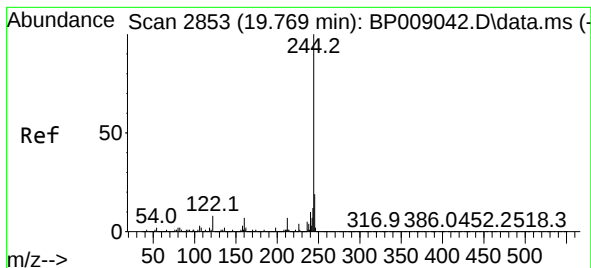
Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

203 18.0 15.0 22.6





#79

Terphenyl-d14

Concen: 59.482 ng

RT: 19.769 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

Instrument :

BNA_P

ClientSampleId :

26516

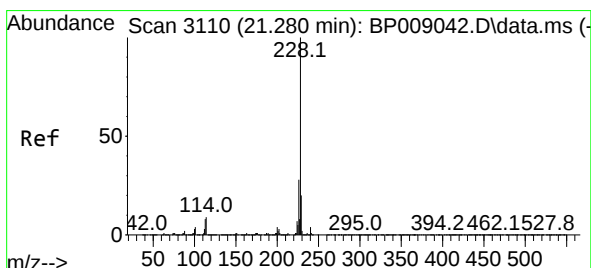
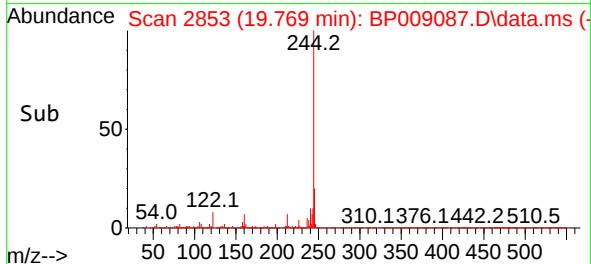
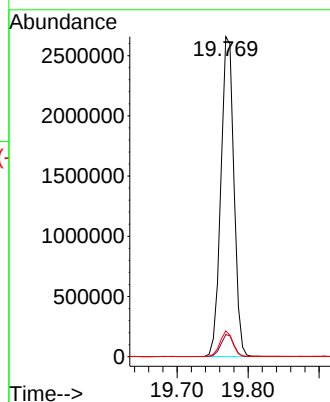
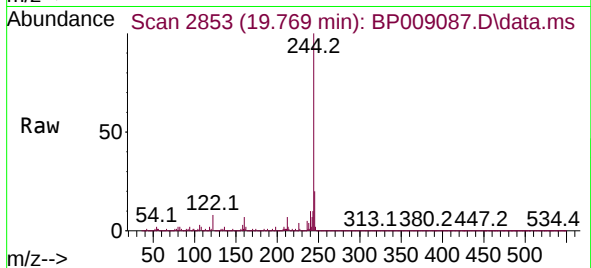
Tgt Ion:244 Resp: 3383148

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 8.1 9.2 13.8#



#81

Benzo(a)anthracene

Concen: 23.141 ng

RT: 21.286 min Scan# 3111

Delta R.T. 0.006 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

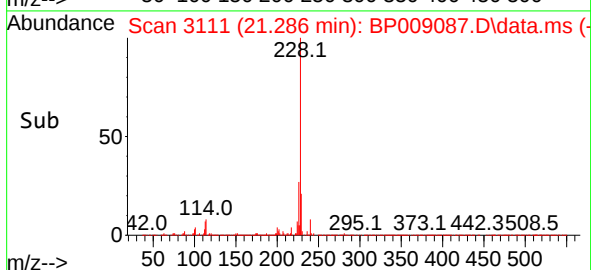
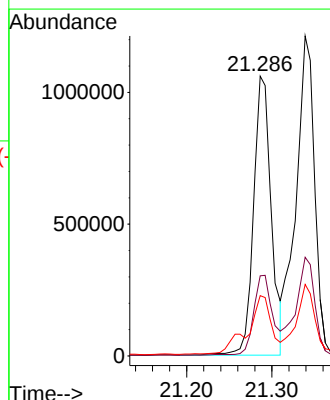
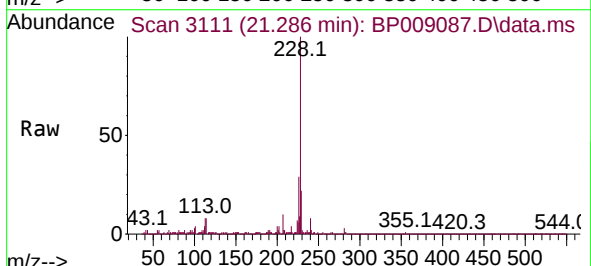
Tgt Ion:228 Resp: 1525290

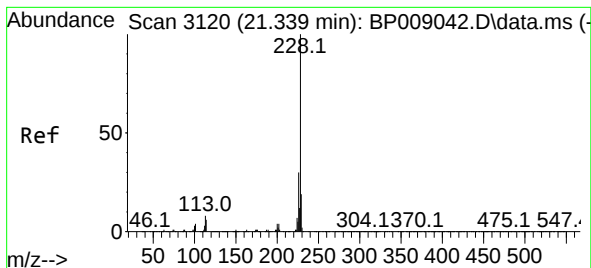
Ion Ratio Lower Upper

228 100

226 28.6 23.3 34.9

229 21.6 17.0 25.6





#83

Chrysene

Concen: 29.003 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

Instrument :

BNA_P

ClientSampleId :

26516

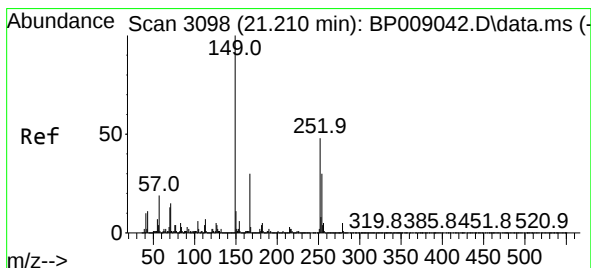
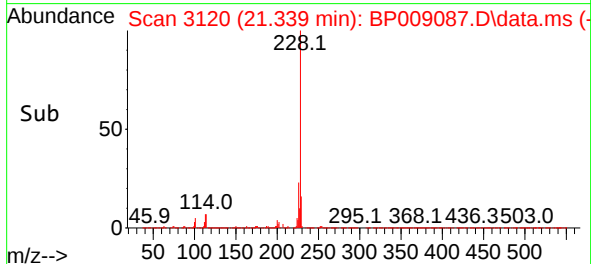
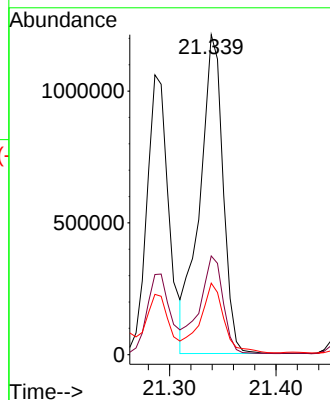
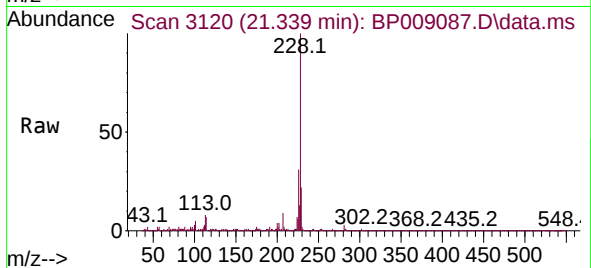
Tgt Ion:228 Resp: 1842936

Ion Ratio Lower Upper

228 100

226 30.9 26.0 39.0

229 22.4 16.9 25.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.880 ng

RT: 21.210 min Scan# 3098

Delta R.T. 0.000 min

Lab File: BP009087.D

Acq: 09 Feb 2022 20:18

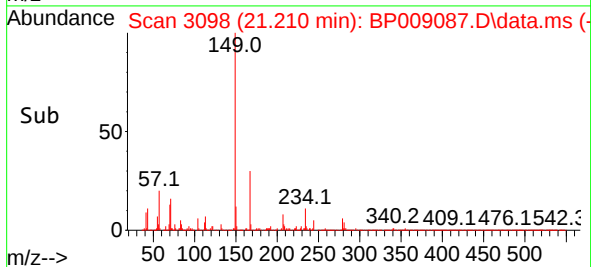
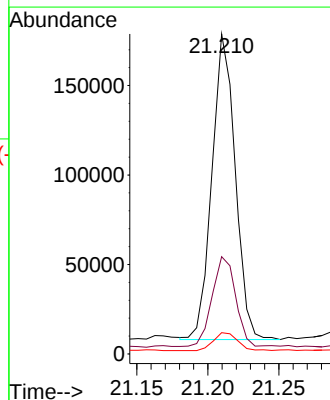
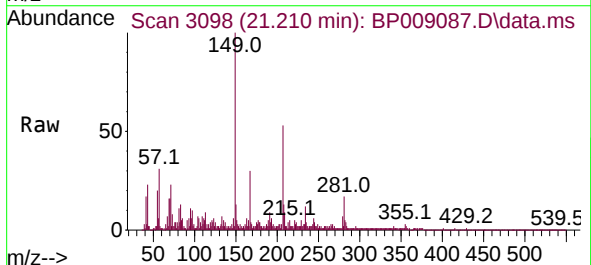
Tgt Ion:149 Resp: 194583

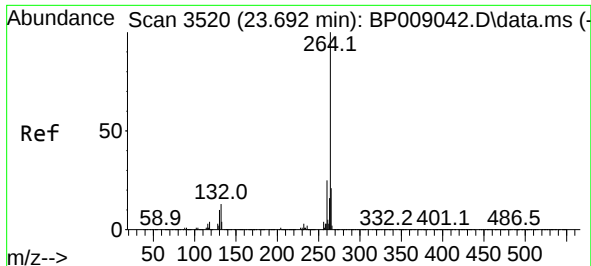
Ion Ratio Lower Upper

149 100

167 30.4 25.0 37.4

279 6.7 4.8 7.2

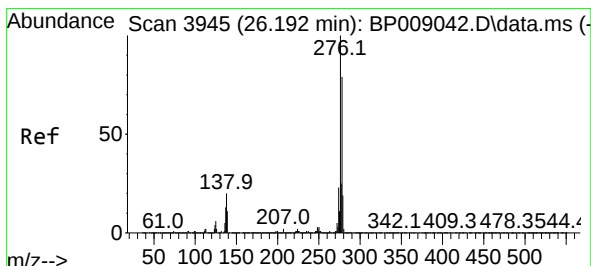
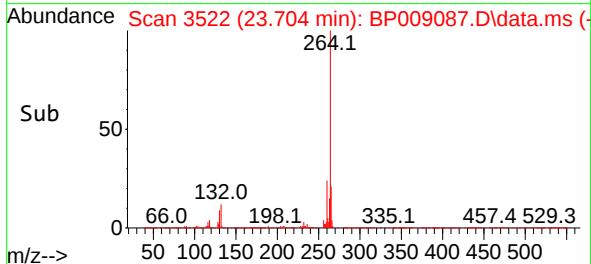
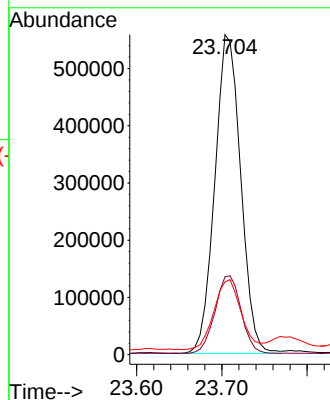
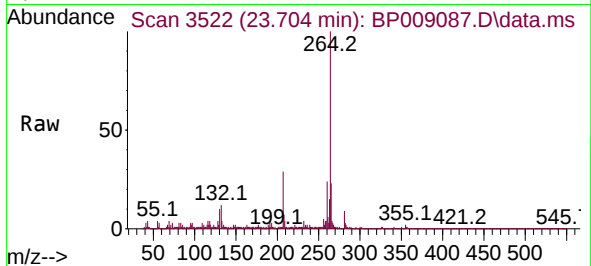




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.704 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BP009087.D
 Acq: 09 Feb 2022 20:18

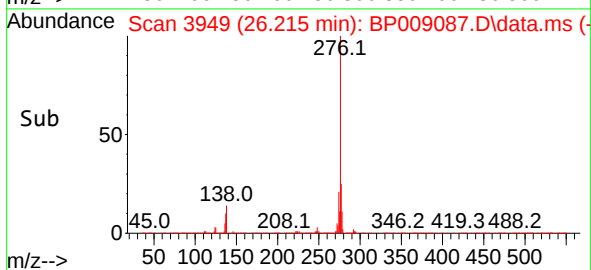
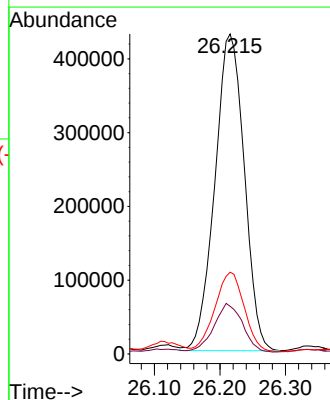
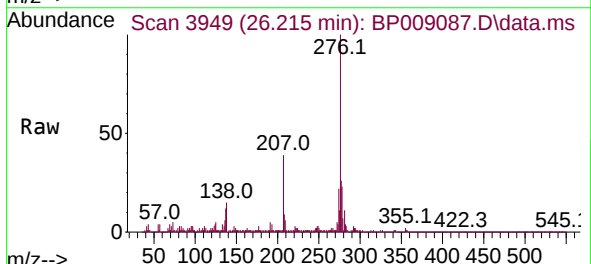
Instrument :
 BNA_P
 ClientSampleId :
 26516

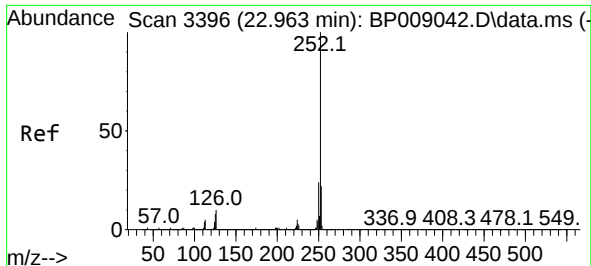
Tgt Ion:264 Resp: 1176333
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.1 28.7
 265 22.8 17.1 25.7



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.314 ng
 RT: 26.215 min Scan# 3949
 Delta R.T. 0.024 min
 Lab File: BP009087.D
 Acq: 09 Feb 2022 20:18

Tgt Ion:276 Resp: 1338517
 Ion Ratio Lower Upper
 276 100
 138 14.9 17.8 26.6#
 277 25.1 20.4 30.6

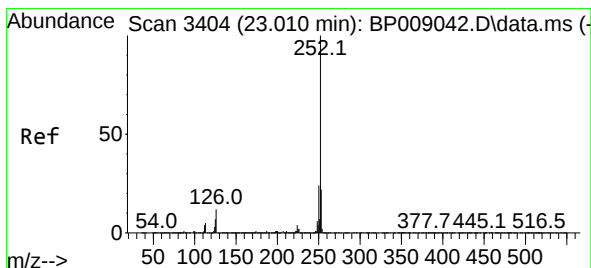
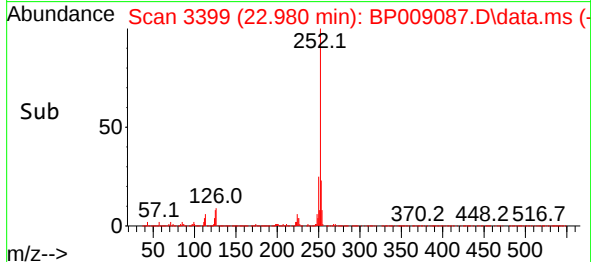
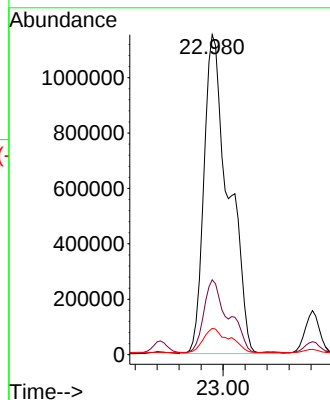
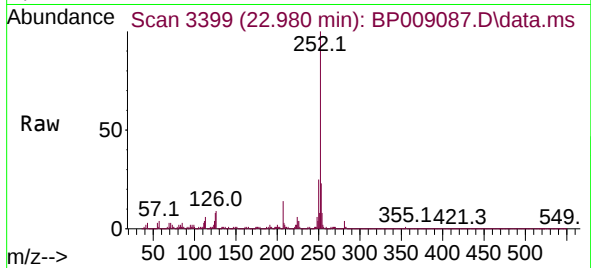




#88
Benzo(b)fluoranthene
Concen: 49.359 ng
RT: 22.980 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

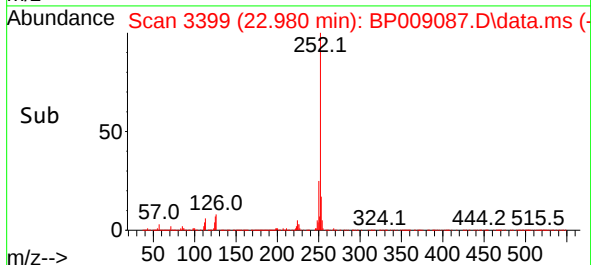
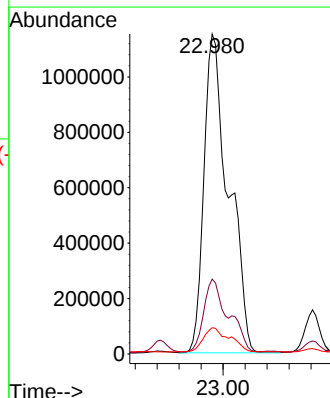
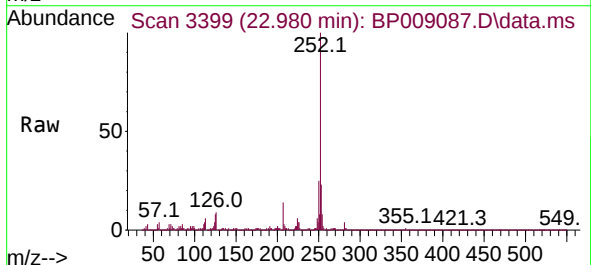
Instrument :
BNA_P
ClientSampleId :
26516

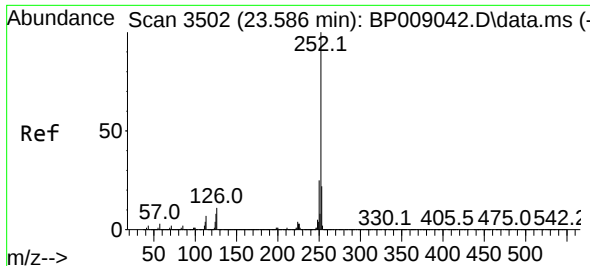
Tgt Ion:252 Resp: 3574424
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 8.2 6.9 10.3



#89
Benzo(k)fluoranthene
Concen: 49.474 ng
RT: 22.980 min Scan# 3399
Delta R.T. -0.029 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion:252 Resp: 3574424
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 8.2 7.3 10.9

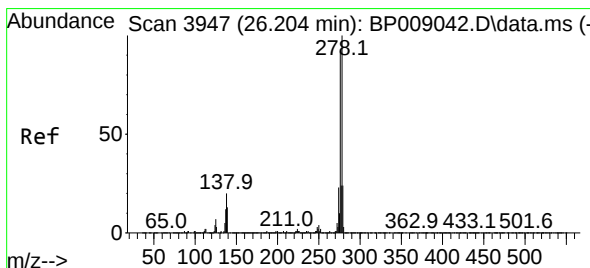
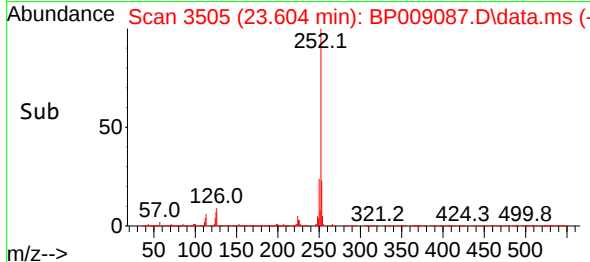
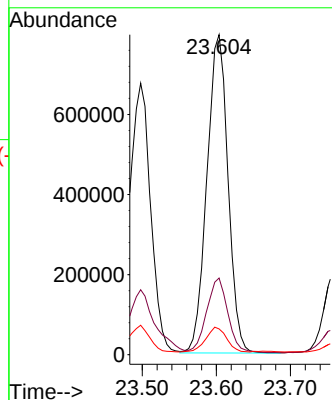
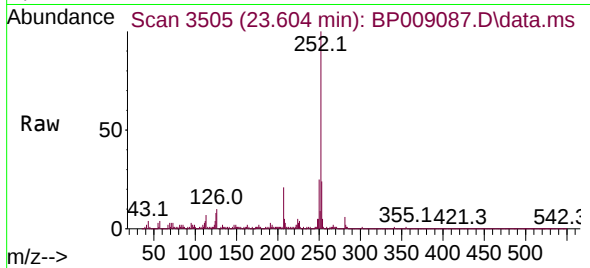




#90
Benzo(a)pyrene
Concen: 26.062 ng
RT: 23.604 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

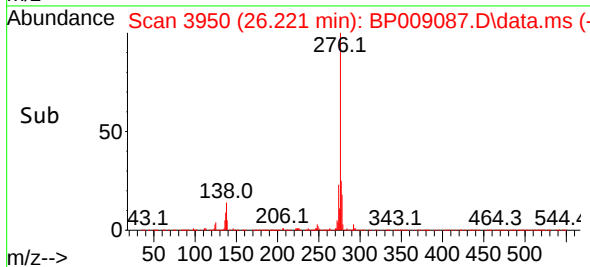
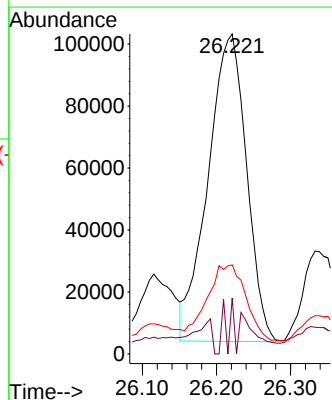
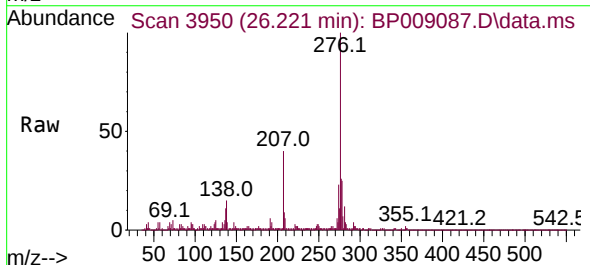
Instrument :
BNA_P
ClientSampleId :
26516

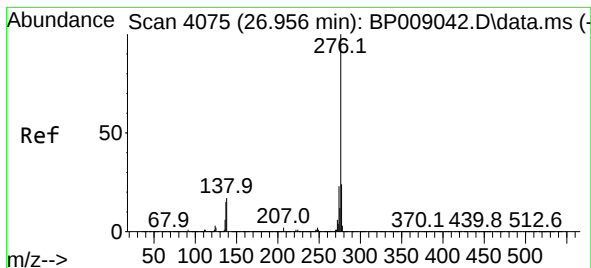
Tgt Ion:252 Resp: 1573516
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 8.0 7.8 11.6



#91
Dibenzo(a,h)anthracene
Concen: 4.989 ng
RT: 26.221 min Scan# 3950
Delta R.T. 0.018 min
Lab File: BP009087.D
Acq: 09 Feb 2022 20:18

Tgt Ion:278 Resp: 358342
Ion Ratio Lower Upper
278 100
139 17.5 11.5 17.3#
279 27.9 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 18.372 ng

RT: 26.986 min Scan# 40

Delta R.T. 0.029 min

Lab File: BP009087.D

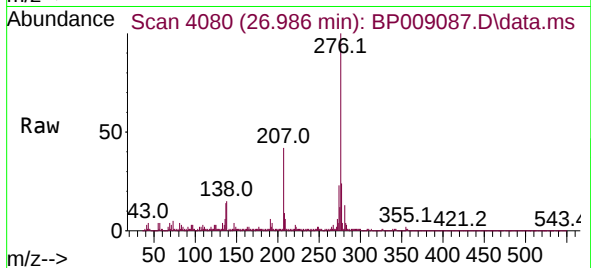
Acq: 09 Feb 2022 20:18

Instrument :

BNA_P

ClientSampleId :

26516



Tgt Ion:276 Resp: 1313866

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 15.1 15.0 22.4

