

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
 Data File : BP003844.D
 Acq On : 06 Nov 2020 17:24
 Operator : CG/JU
 Sample : L4656-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SR-L14-L13-NORTH

Quant Time: Nov 06 23:33:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 11:33:14 2020
 Response via : Initial Calibration

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

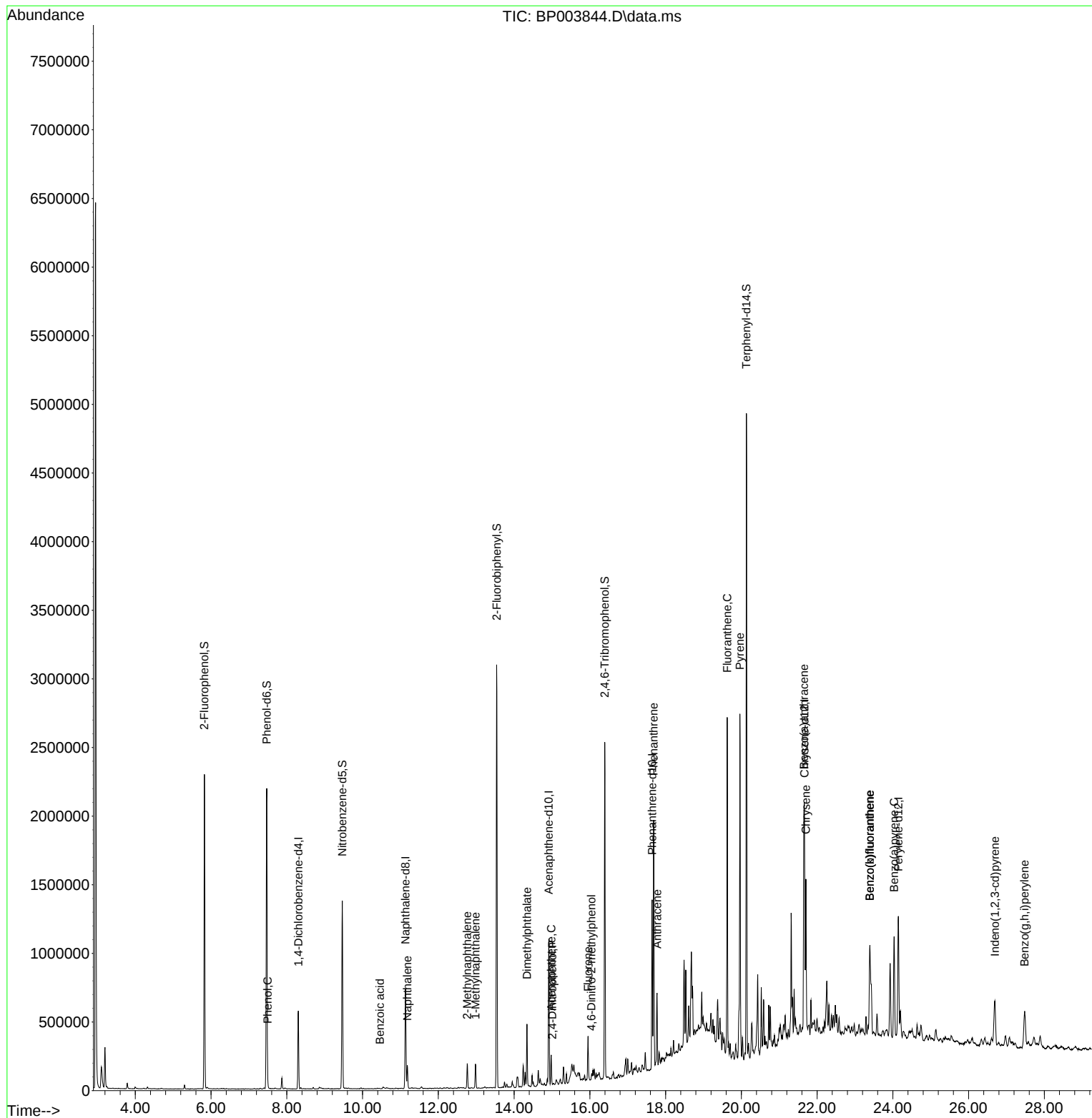
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.305	152	152824	20.00	ng	0.00
21) Naphthalene-d8	11.134	136	588712	20.00	ng	# 0.00
39) Acenaphthene-d10	14.916	164	357238	20.00	ng	0.00
64) Phenanthrene-d10	17.645	188	746194	20.00	ng	0.00
76) Chrysene-d12	21.669	240	680235	20.00	ng	0.00
86) Perylene-d12	24.145	264	710024	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	939842	102.64	ng	0.00
7) Phenol-d6	7.469	99	1219422	92.77	ng	0.00
23) Nitrobenzene-d5	9.463	82	754573	62.77	ng	0.00
42) 2,4,6-Tribromophenol	16.392	330	466701	104.45	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	1576168	61.68	ng	0.00
79) Terphenyl-d14	20.133	244	1933156	54.90	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.399	77	3202	Below Cal	#	67
10) Phenol	7.493	94	30268	2.39	ng	73
31) Naphthalene	11.181	128	129406	4.10	ng	99
32) Benzoic acid	10.457	122	87	8.32	ng	# 47
37) 2-Methylnaphthalene	12.763	142	80098	3.54	ng	96
38) 1-Methylnaphthalene	12.981	142	78252	3.63	ng	92
50) Dimethylphthalate	14.340	163	280692	10.05	ng	100
52) Acenaphthene	14.981	154	73336	3.30	ng	98
54) 2,4-Dinitrophenol	15.004	184	12	2.74	ng	# 1
58) Fluorene	15.951	166	130093	4.91	ng	100
65) 4,6-Dinitro-2-methylph...	16.039	198	83	6.36	ng	# 1
71) Phenanthrene	17.686	178	1064449	25.42	ng	99
72) Anthracene	17.775	178	329907	8.16	ng	99
75) Fluoranthene	19.628	202	1337980	27.69	ng	99
78) Pyrene	19.963	202	1511408	32.74	ng	98
81) Benzo(a)anthracene	21.651	228	692403	15.44	ng	97
83) Chrysene	21.704	228	663107	15.39	ng	97
87) Indeno(1,2,3-cd)pyrene	26.692	276	334714	6.53	ng	# 94
88) Benzo(b)fluoranthene	23.392	252	878148	18.90	ng	99
89) Benzo(k)fluoranthene	23.392	252	878148	19.14	ng	99
90) Benzo(a)pyrene	24.033	252	586416	13.63	ng	97
92) Benzo(g,h,i)perylene	27.480	276	347584	8.41	ng	96

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

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Response via : Initial Calibration

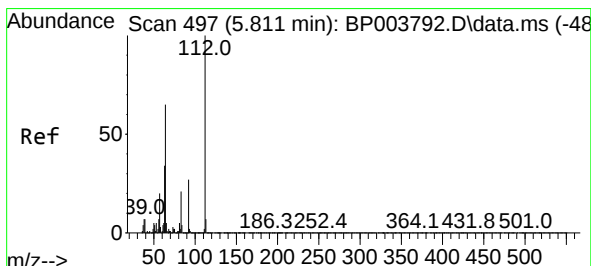
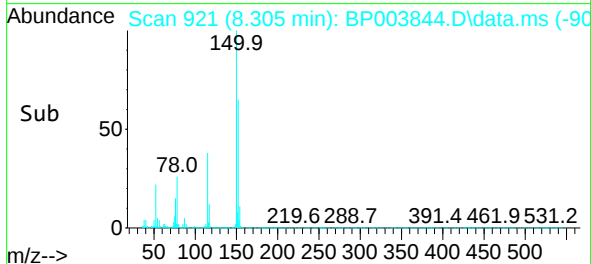
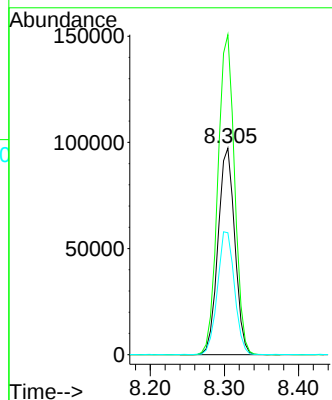
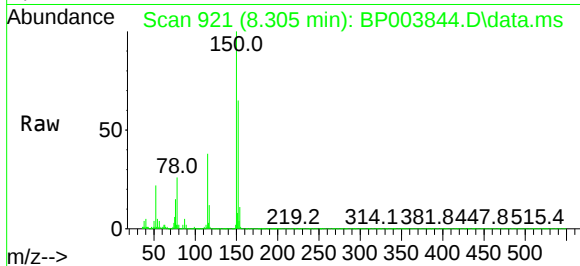




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.305 min Scan# 921
Delta R.T. -0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

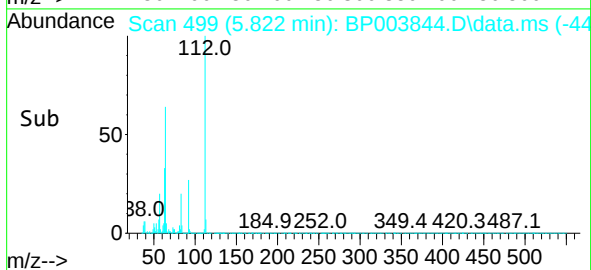
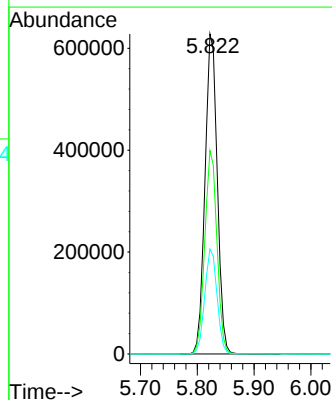
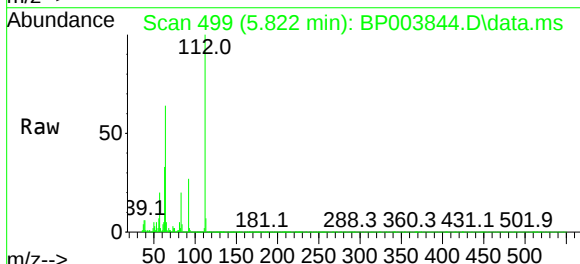
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

Tgt Ion:152 Resp: 152824
Ion Ratio Lower Upper
152 100
150 154.9 123.8 185.6
115 59.0 43.8 65.6



#5
2-Fluorophenol
Concen: 102.64 ng
RT: 5.822 min Scan# 499
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:112 Resp: 939842
Ion Ratio Lower Upper
112 100
64 63.6 32.8 49.2#
63 32.8 17.0 25.4#

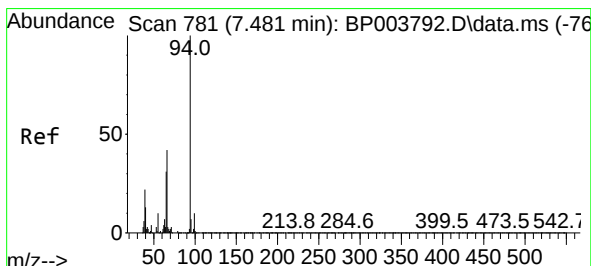
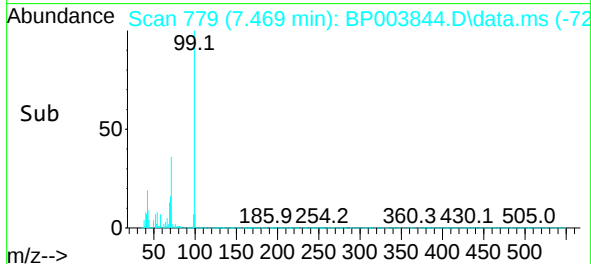
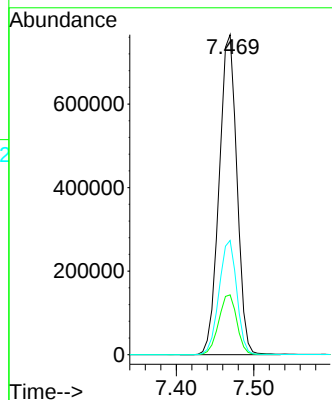
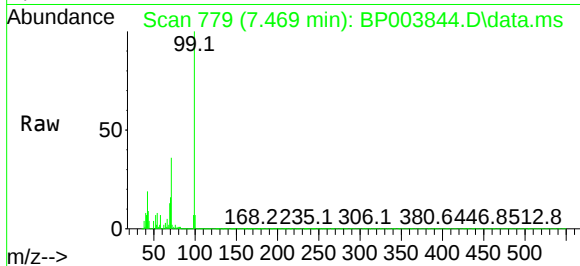




#7
Phenol-d6
Concen: 92.77 ng
RT: 7.469 min Scan# 779
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

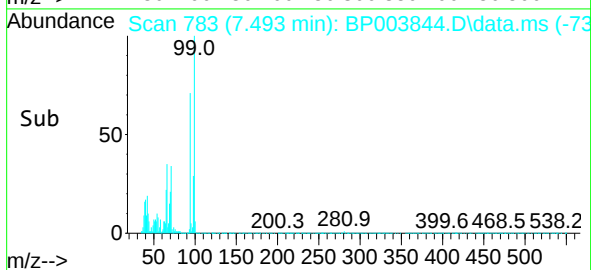
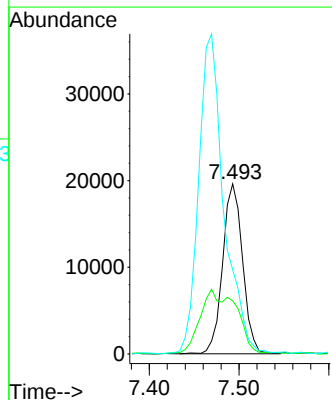
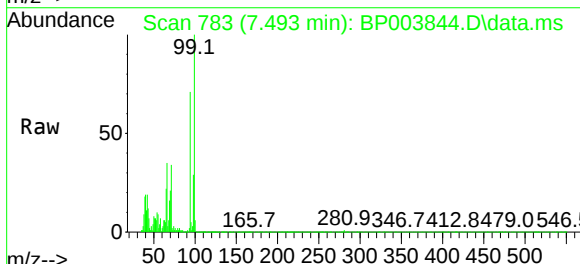
Instrument :
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ClientSampleId :
SR-L14-L13-NORTH

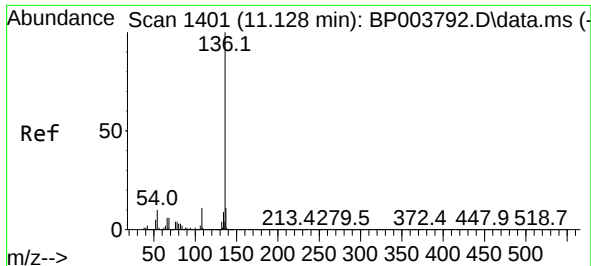
Tgt Ion: 99 Resp: 1219422
Ion Ratio Lower Upper
99 100
42 18.7 8.6 13.0#
71 35.7 23.4 35.2#



#10
Phenol
Concen: 2.39 ng
RT: 7.493 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion: 94 Resp: 30268
Ion Ratio Lower Upper
94 100
65 31.2 2.3 42.3
66 49.5 10.9 50.9

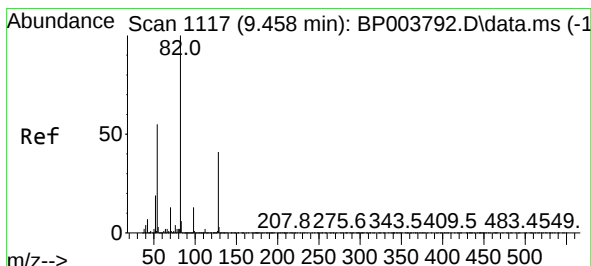
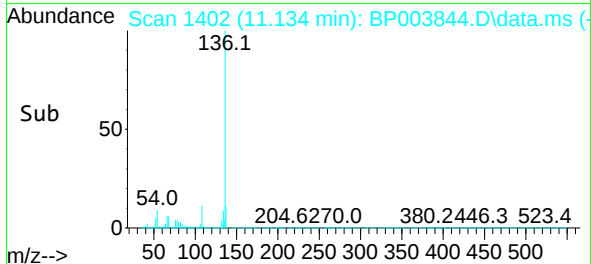
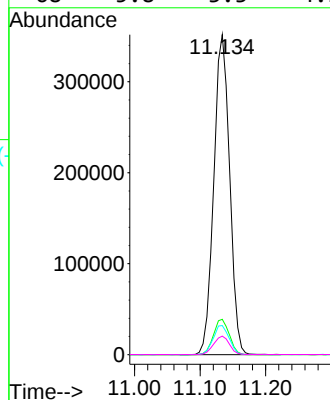
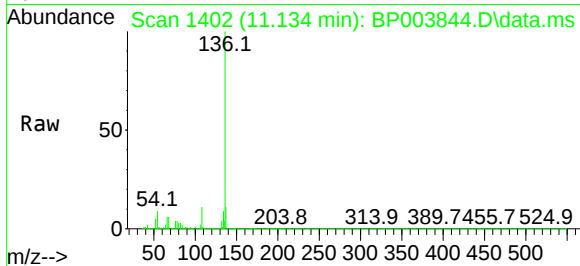




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.134 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

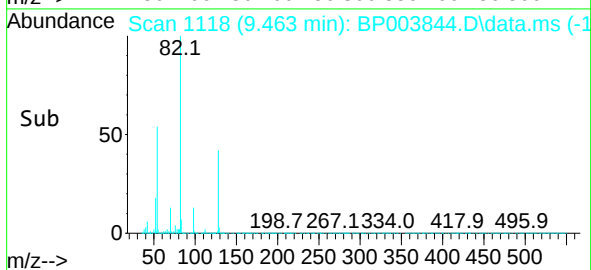
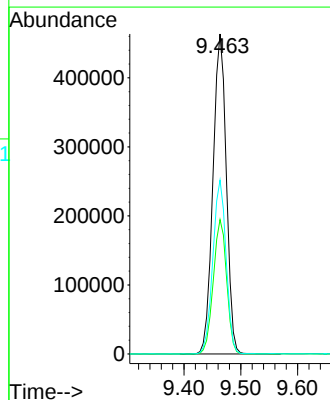
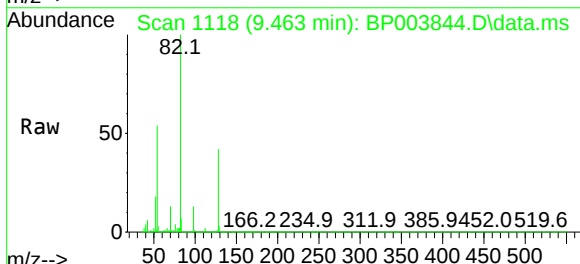
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

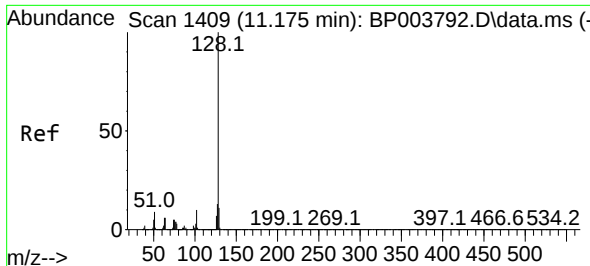
Tgt Ion:	136	Resp:	588712
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.1	3.6	5.4#
68	5.8	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 62.77 ng
RT: 9.463 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:	82	Resp:	754573
Ion Ratio	Lower	Upper	
82	100		
128	42.0	45.6	68.4#
54	54.3	30.1	45.1#

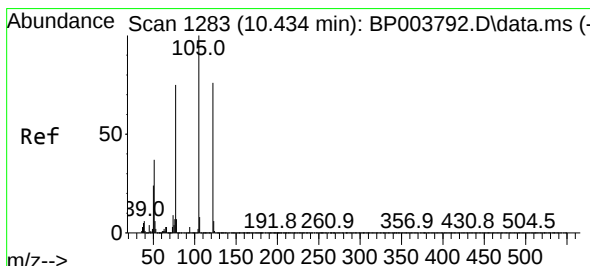
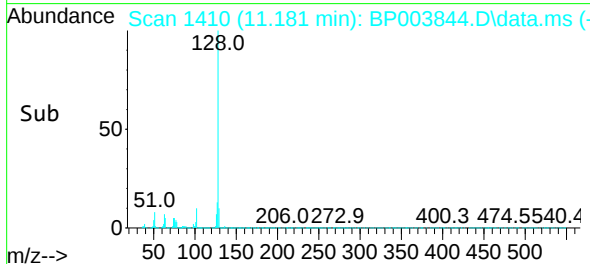
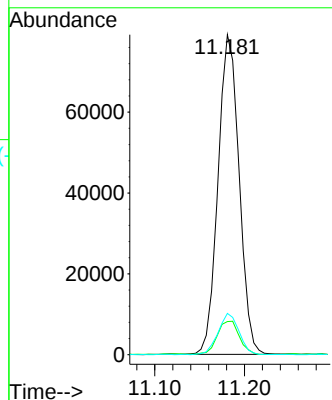
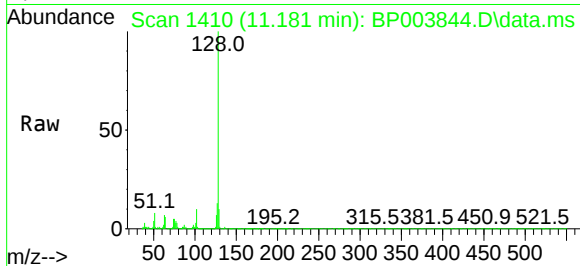




#31
Naphthalene
Concen: 4.10 ng
RT: 11.181 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

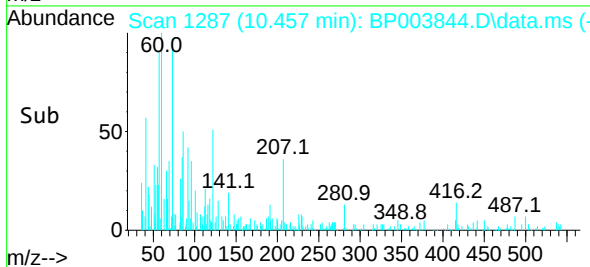
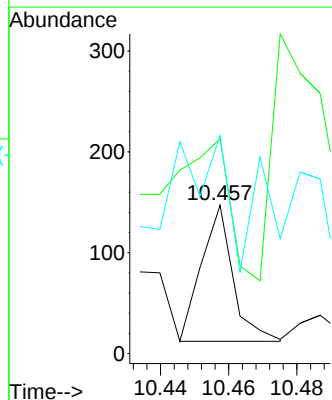
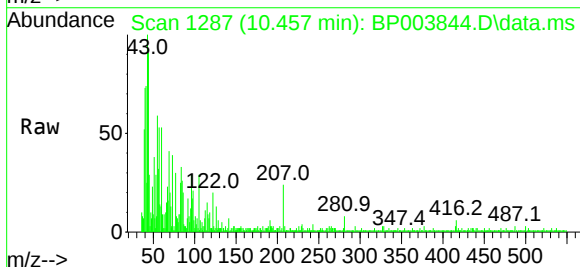
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

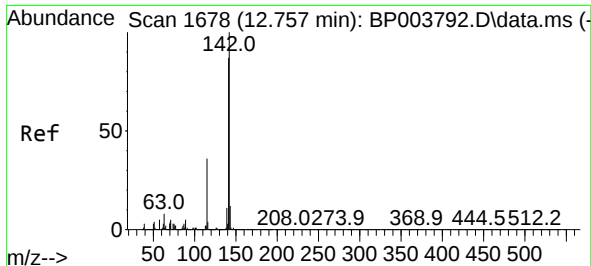
Tgt Ion:128 Resp: 129406
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.9 10.6 15.8



#32
Benzoic acid
Concen: 8.32 ng
RT: 10.457 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:122 Resp: 87
Ion Ratio Lower Upper
122 100
105 144.9 94.1 134.1#
77 146.9 50.1 90.1#

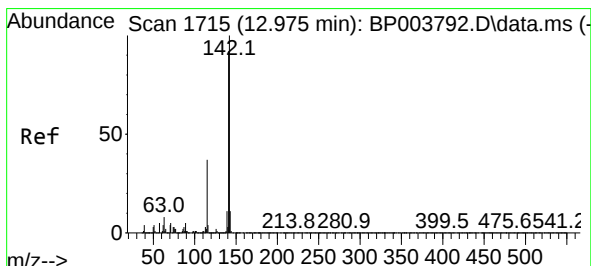
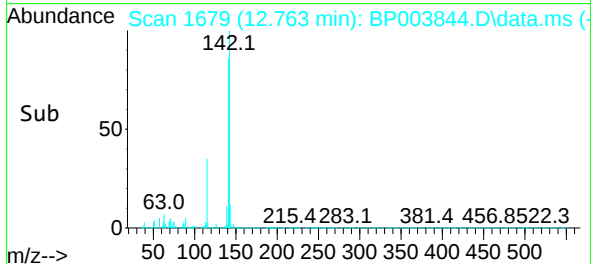
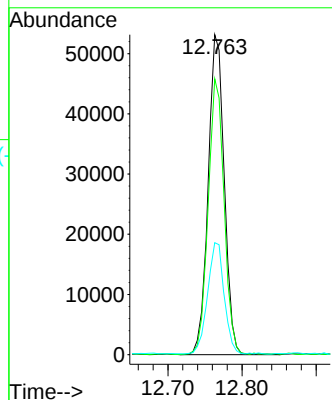
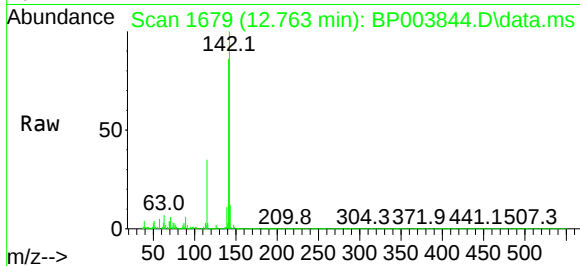




#37
2-Methylnaphthalene
Concen: 3.54 ng
RT: 12.763 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

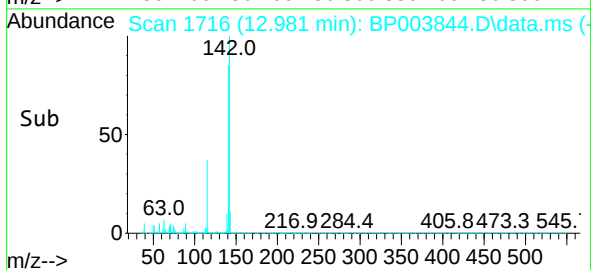
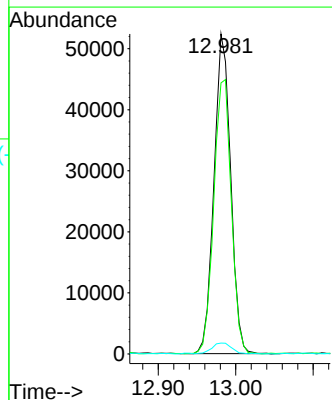
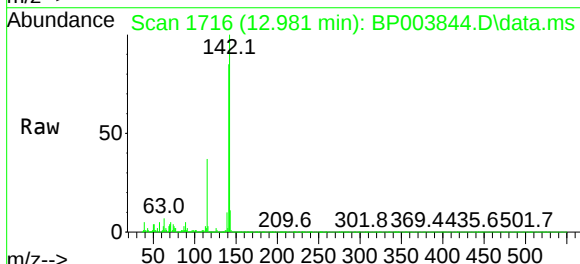
Instrument :
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ClientSampleId :
SR-L14-L13-NORTH

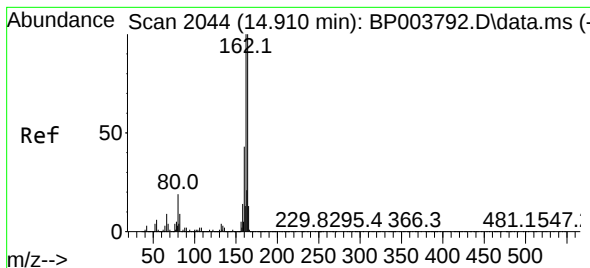
Tgt Ion:142 Resp: 80098
Ion Ratio Lower Upper
142 100
141 86.2 71.4 107.2
115 35.0 25.8 38.6



#38
1-Methylnaphthalene
Concen: 3.63 ng
RT: 12.981 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:142 Resp: 78252
Ion Ratio Lower Upper
142 100
141 84.7 74.4 111.6
116 3.4 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.916 min Scan# 2045

Delta R.T. 0.000 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

Instrument :

BNA_P

ClientSampleId :

SR-L14-L13-NORTH

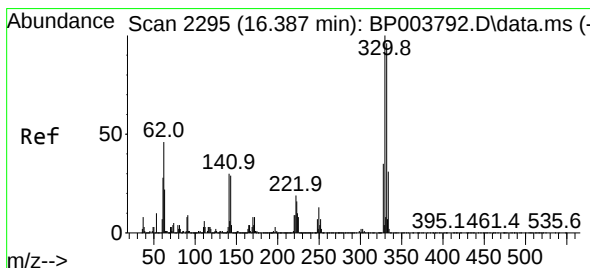
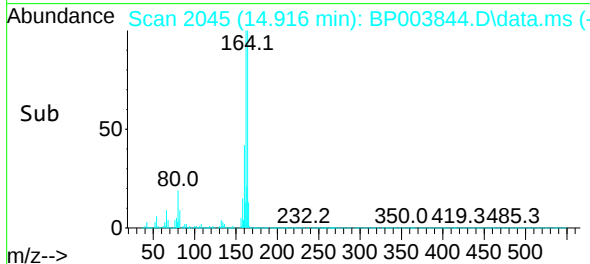
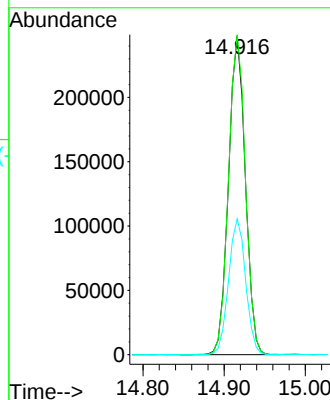
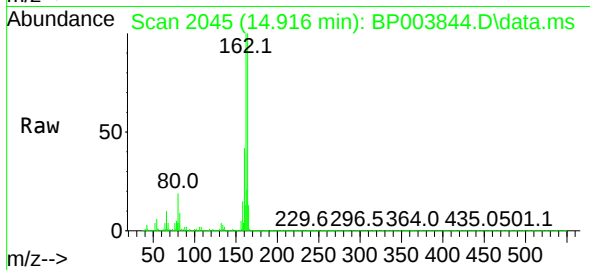
Tgt Ion:164 Resp: 357238

Ion Ratio Lower Upper

164 100

162 100.5 79.4 119.2

160 42.7 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 104.45 ng

RT: 16.392 min Scan# 2296

Delta R.T. -0.006 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

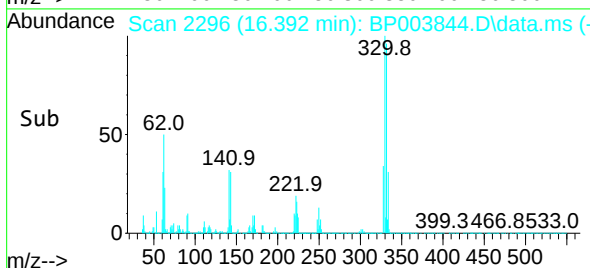
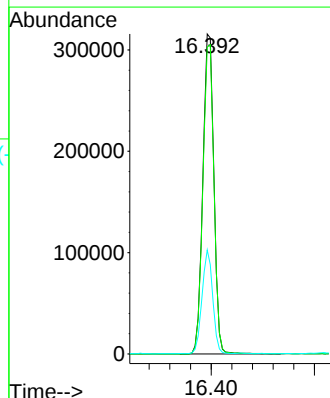
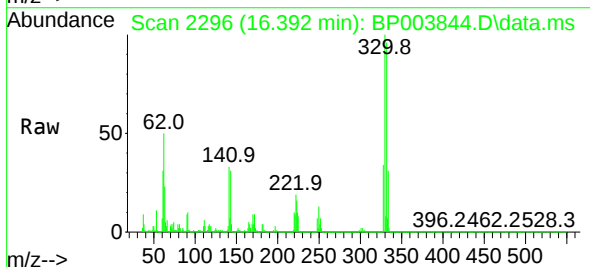
Tgt Ion:330 Resp: 466701

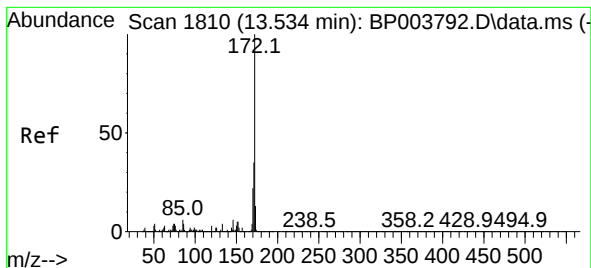
Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 31.3 23.4 35.2

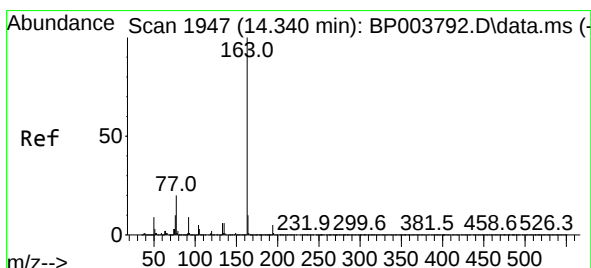
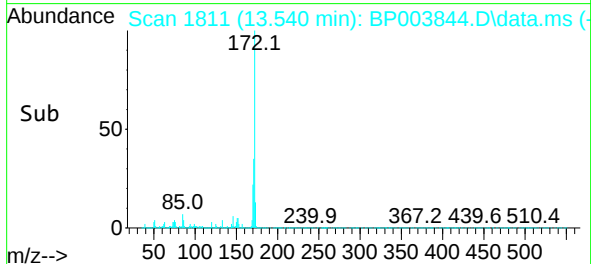
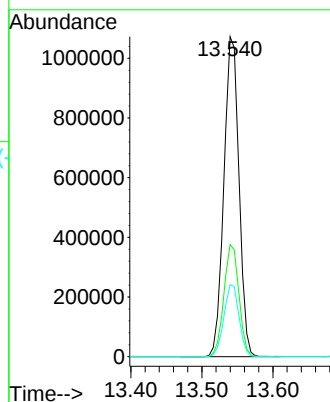
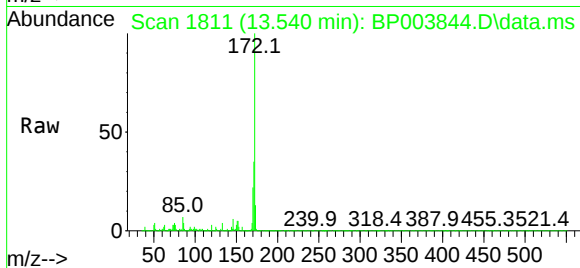




#45
2-Fluorobiphenyl
Concen: 61.68 ng
RT: 13.540 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

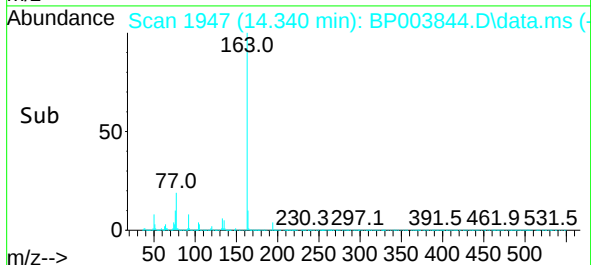
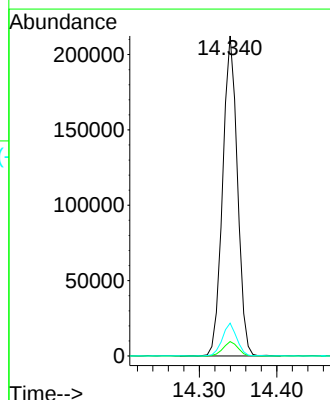
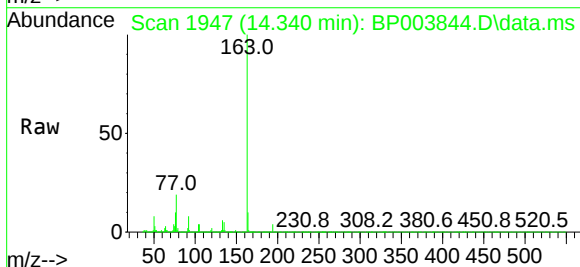
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

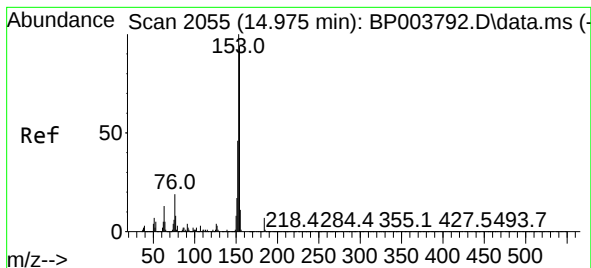
Tgt Ion:172 Resp: 1576168
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.5 19.2 28.8



#50
Dimethylphthalate
Concen: 10.05 ng
RT: 14.340 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:163 Resp: 280692
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.3 8.2 12.2

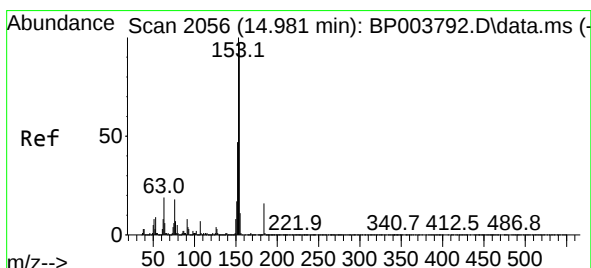
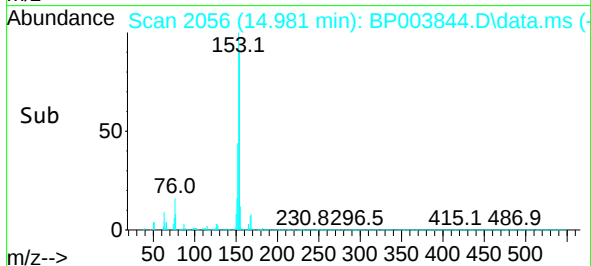
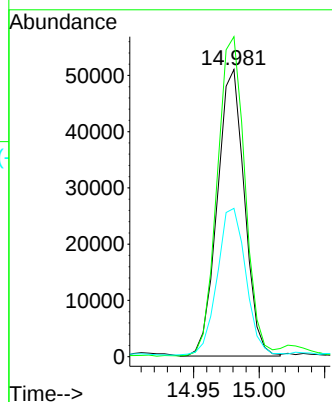
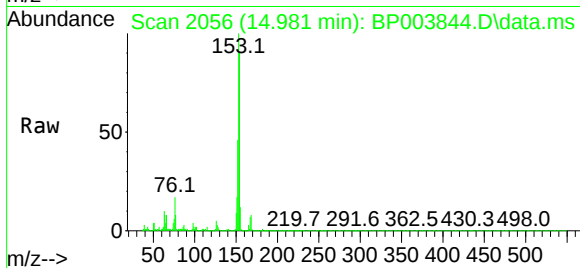




#52
Acenaphthene
Concen: 3.30 ng
RT: 14.981 min Scan# 2056
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

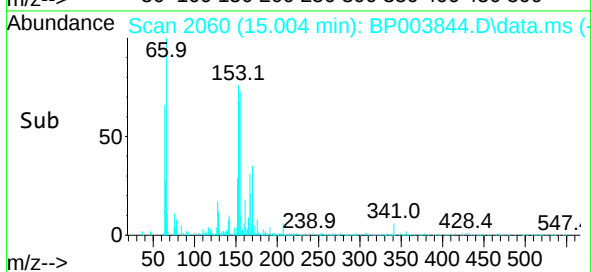
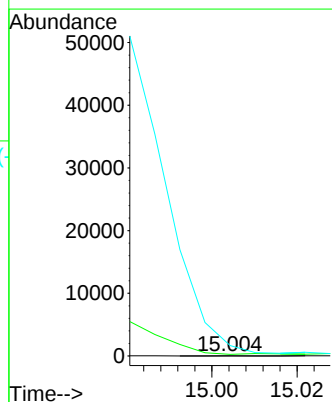
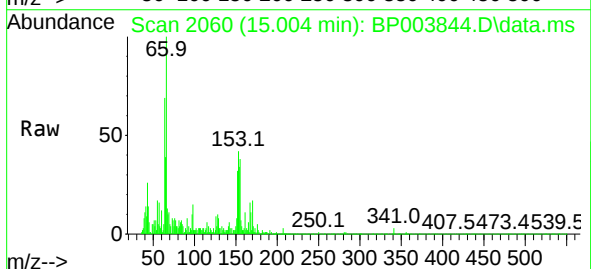
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

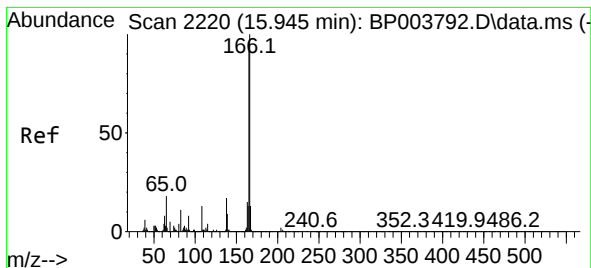
Tgt Ion:154 Resp: 73336
Ion Ratio Lower Upper
154 100
153 111.4 91.0 136.6
152 51.6 43.0 64.6



#54
2,4-Dinitrophenol
Concen: 2.74 ng
RT: 15.004 min Scan# 2060
Delta R.T. 0.006 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 893.1 32.3 48.5#
154 5717.2 49.1 73.7#





#58

Fluorene

Concen: 4.91 ng

RT: 15.951 min Scan# 2221

Delta R.T. -0.006 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

Instrument :

BNA_P

ClientSampleId :

SR-L14-L13-NORTH

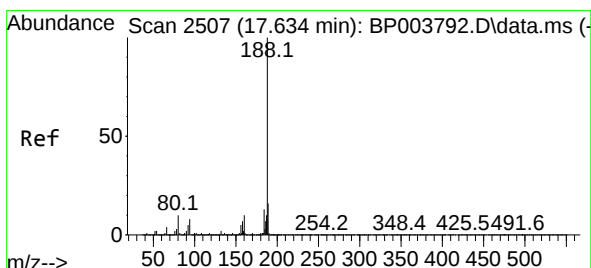
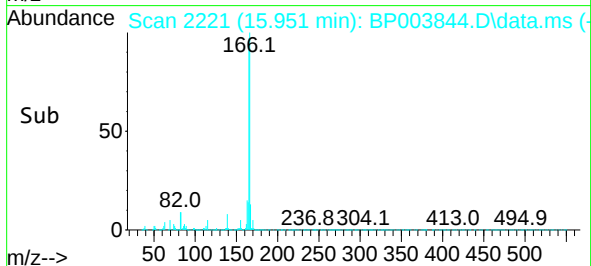
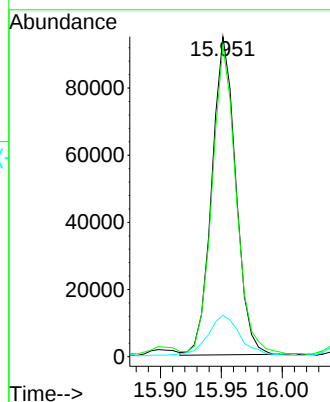
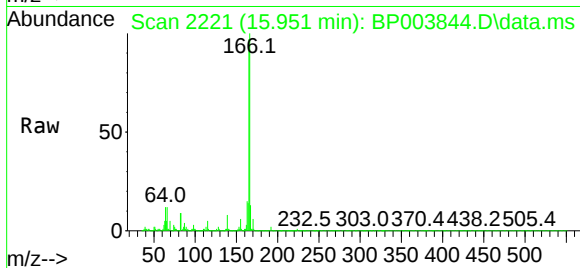
Tgt Ion:166 Resp: 130093

Ion Ratio Lower Upper

166 100

165 97.2 77.8 116.8

167 12.9 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.645 min Scan# 2509

Delta R.T. 0.000 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

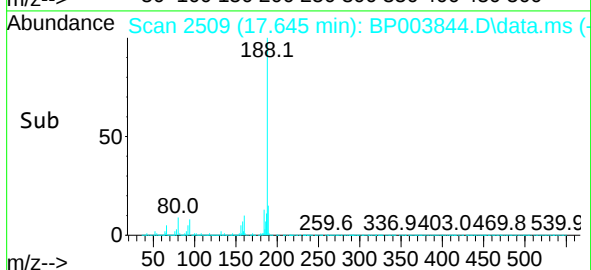
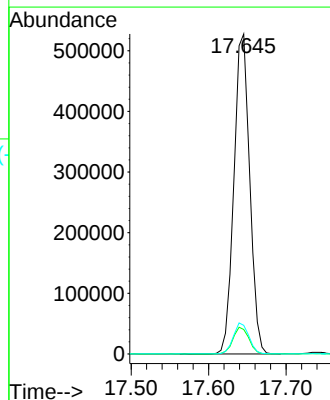
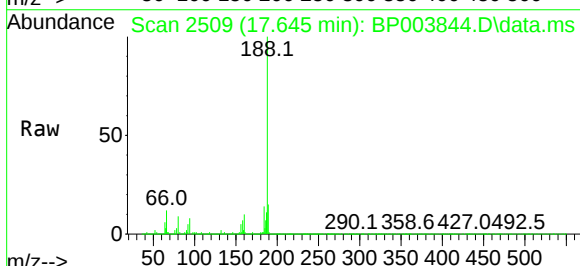
Tgt Ion:188 Resp: 746194

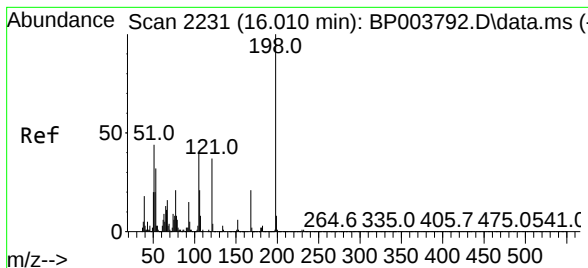
Ion Ratio Lower Upper

188 100

94 7.7 6.2 9.2

80 8.9 6.2 9.2

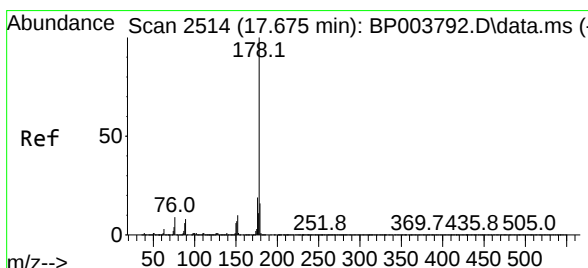
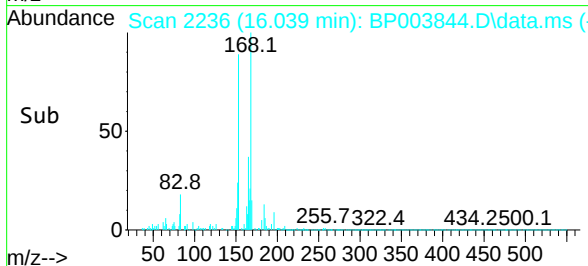
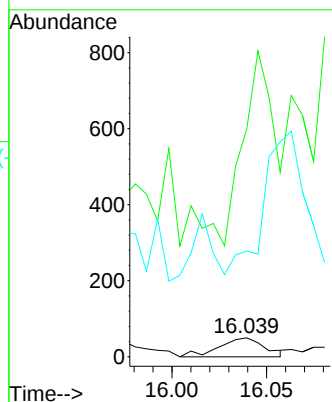
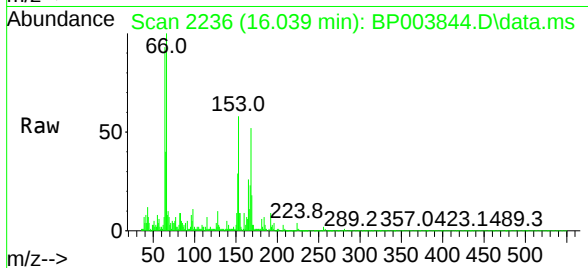




#65
4,6-Dinitro-2-methylphenol
Concen: 6.36 ng
RT: 16.039 min Scan# 2236
Delta R.T. 0.018 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

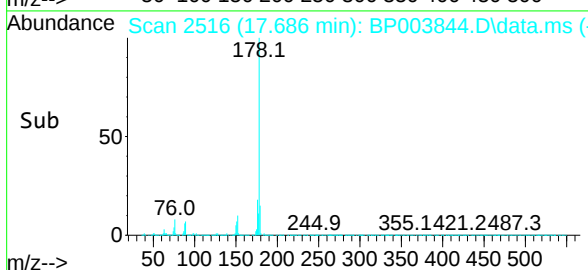
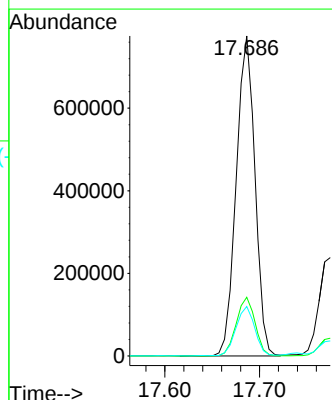
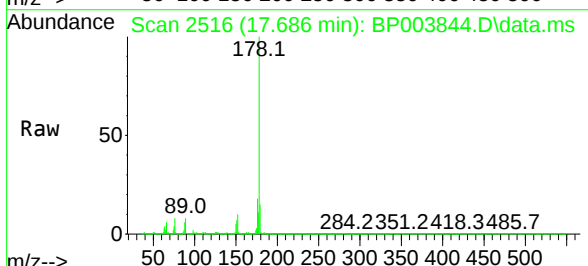
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

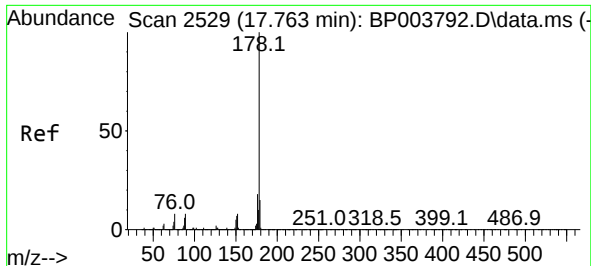
Tgt Ion:198 Resp: 83
Ion Ratio Lower Upper
198 100
51 1198.0 6.4 46.4#
105 556.0 18.9 58.9#



#71
Phenanthrene
Concen: 25.42 ng
RT: 17.686 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:178 Resp: 1064449
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.4 12.5 18.7

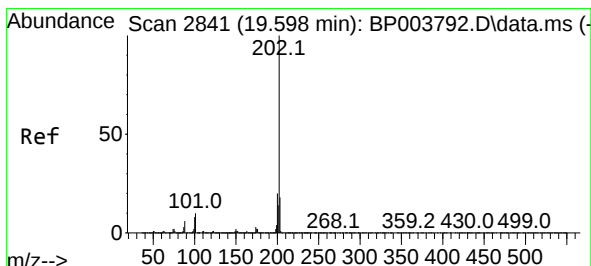
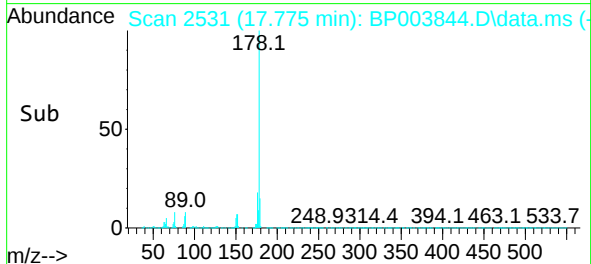
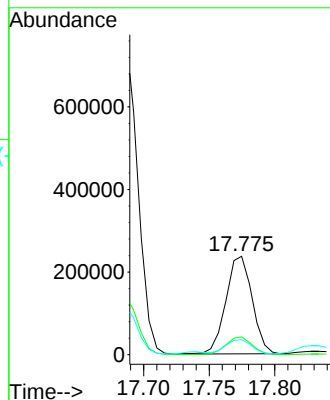
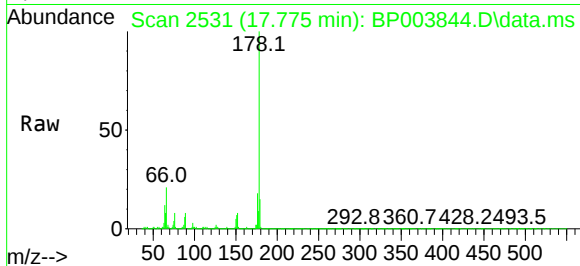




#72
 Anthracene
 Concen: 8.16 ng
 RT: 17.775 min Scan# 2531
 Delta R.T. 0.000 min
 Lab File: BP003844.D
 Acq: 06 Nov 2020 17:24

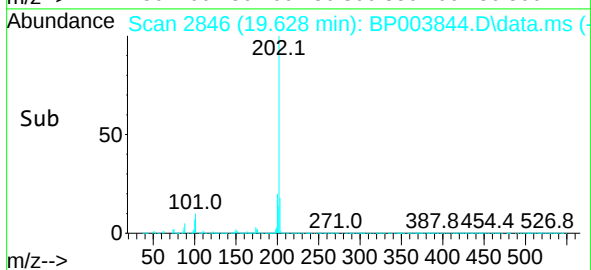
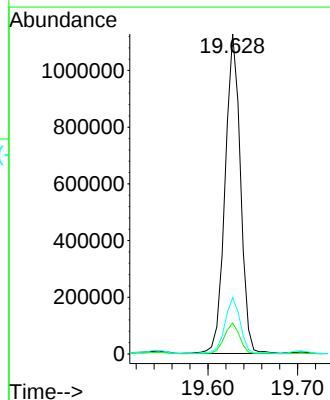
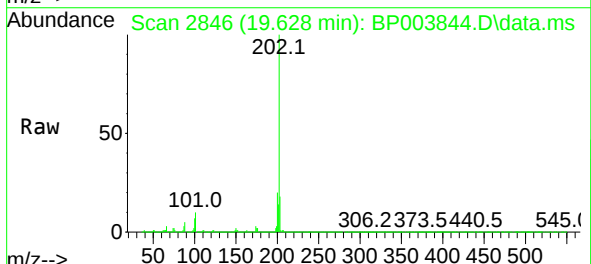
Instrument :
 BNA_P
 ClientSampleId :
 SR-L14-L13-NORTH

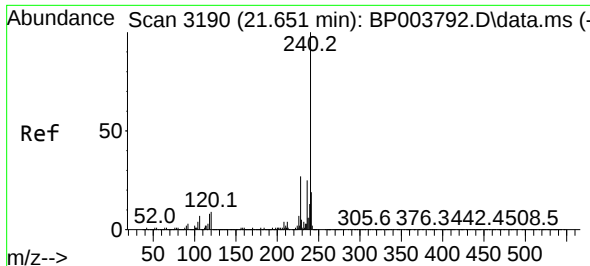
Tgt Ion:178 Resp: 329907
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 15.3 12.5 18.7



#75
 Fluoranthene
 Concen: 27.69 ng
 RT: 19.628 min Scan# 2846
 Delta R.T. 0.012 min
 Lab File: BP003844.D
 Acq: 06 Nov 2020 17:24

Tgt Ion:202 Resp: 1337980
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.4
 203 17.6 0.0 37.8

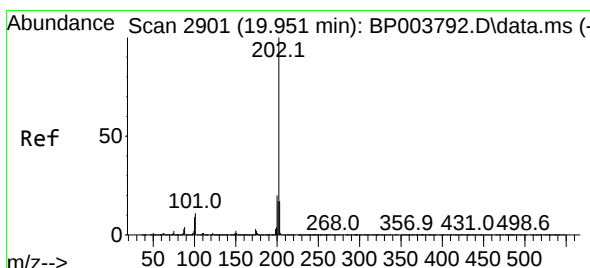
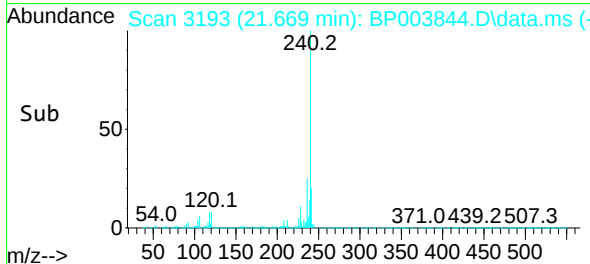
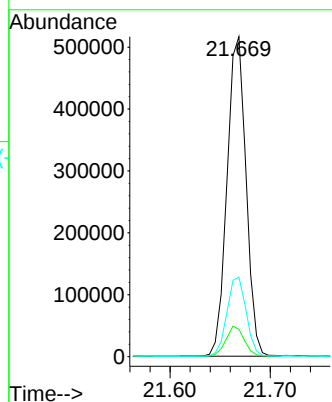
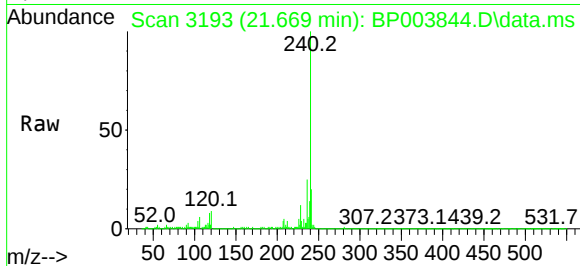




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.669 min Scan# 3193
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

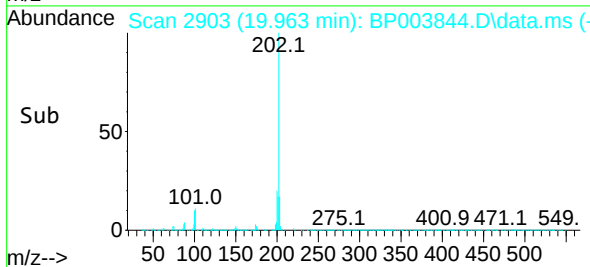
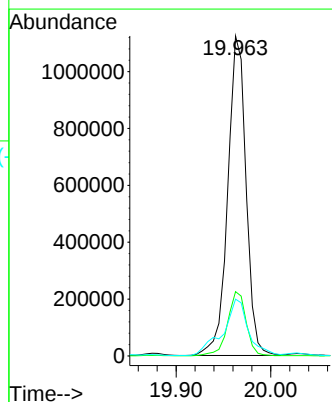
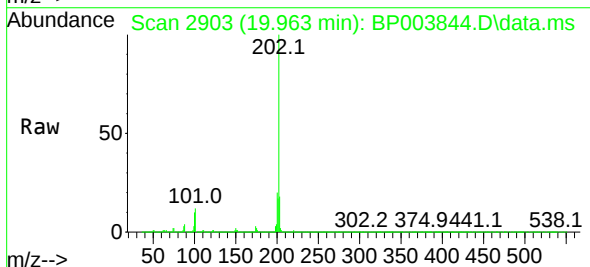
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

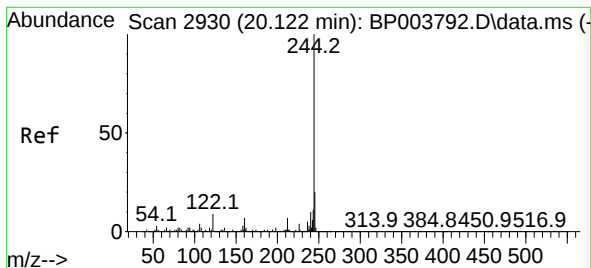
Tgt Ion:240 Resp: 680235
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 24.9 20.8 31.2



#78
Pyrene
Concen: 32.74 ng
RT: 19.963 min Scan# 2903
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

Tgt Ion:202 Resp: 1511408
Ion Ratio Lower Upper
202 100
200 20.1 17.1 25.7
203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 54.90 ng

RT: 20.133 min Scan# 2932

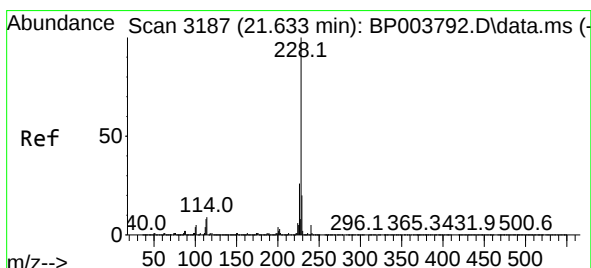
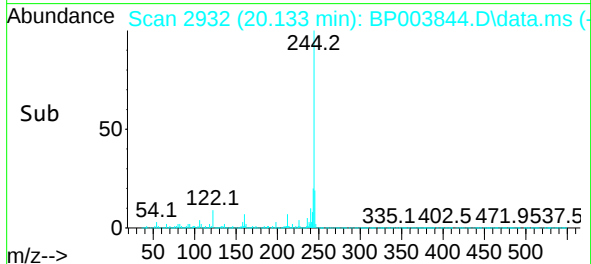
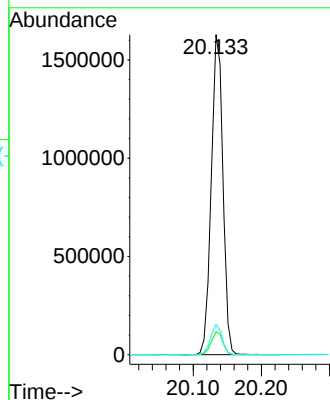
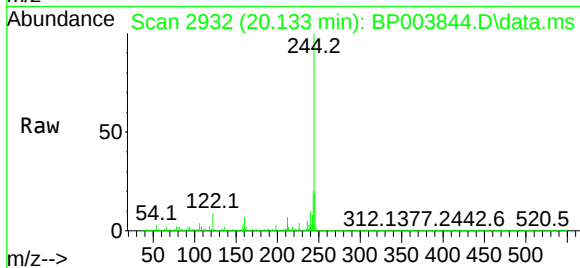
Delta R.T. 0.000 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

Tgt Ion:244 Resp: 1933156

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.4	7.8	11.8



#81

Benzo(a)anthracene

Concen: 15.44 ng

RT: 21.651 min Scan# 3190

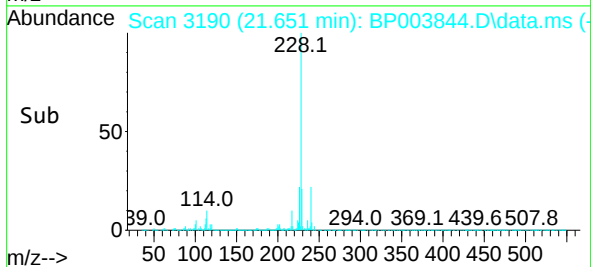
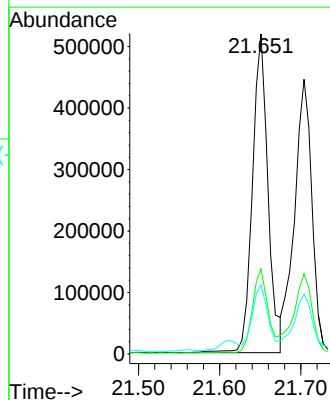
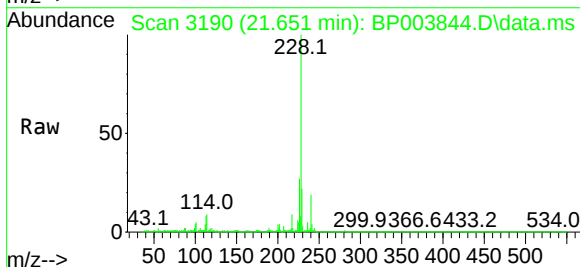
Delta R.T. 0.000 min

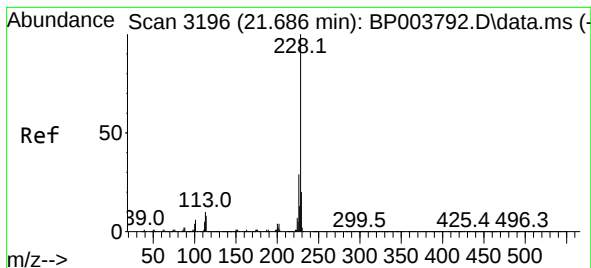
Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

Tgt Ion:228 Resp: 692403

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.1	33.1
229	21.5	15.9	23.9





#83

Chrysene

Concen: 15.39 ng

RT: 21.704 min Scan# 3199

Delta R.T. 0.000 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

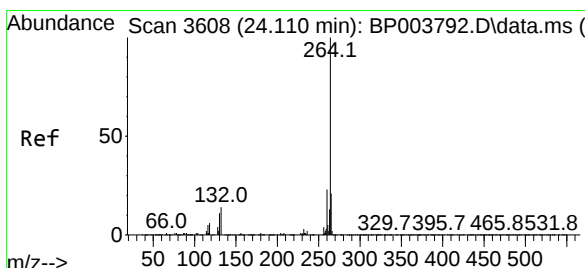
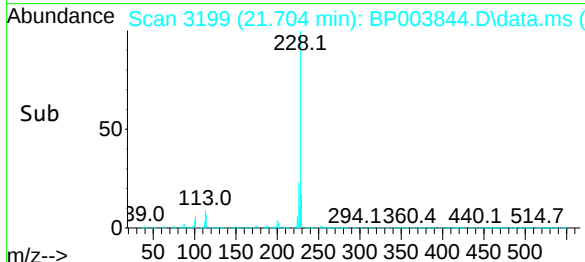
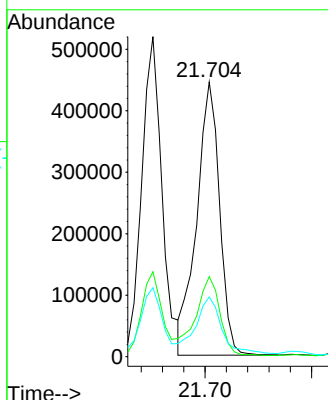
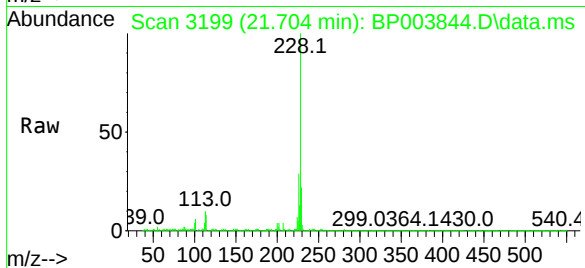
Instrument :

BNA_P

ClientSampleId :

SR-L14-L13-NORTH

Tgt Ion:228	Resp: 663107
Ion Ratio	Lower Upper
228	100
226	29.1 24.4 36.6
229	21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

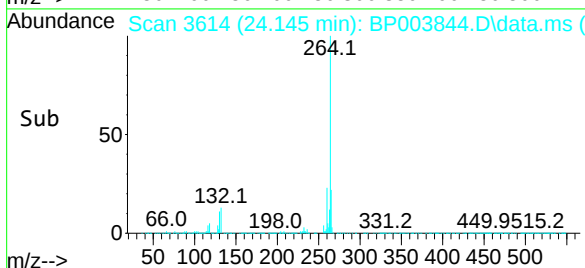
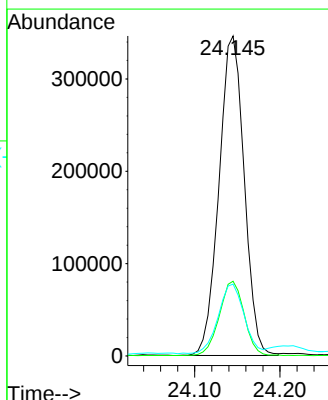
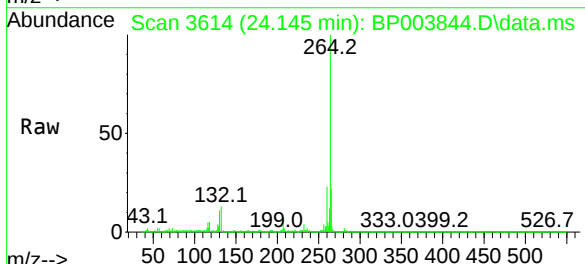
RT: 24.145 min Scan# 3614

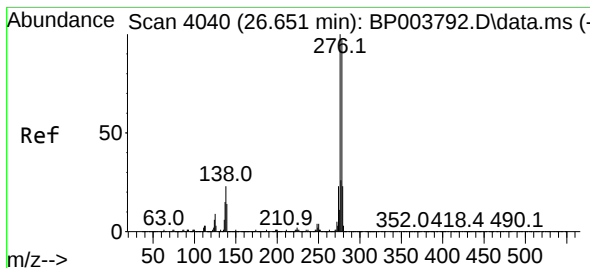
Delta R.T. 0.000 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

Tgt Ion:264	Resp: 710024
Ion Ratio	Lower Upper
264	100
260	23.4 18.8 28.2
265	22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.53 ng

RT: 26.692 min Scan# 4047

Delta R.T. -0.012 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

Tgt Ion: 276 Resp: 334714

Ion Ratio Lower Upper

276 100

138 18.2 18.7 28.1#

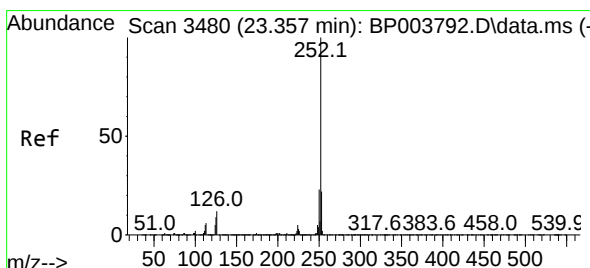
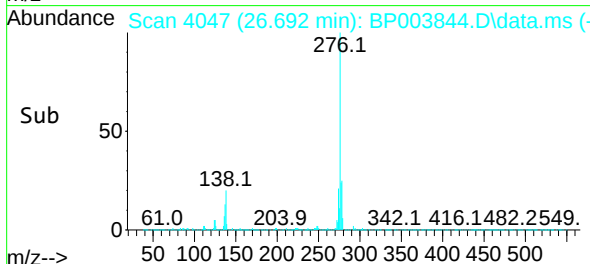
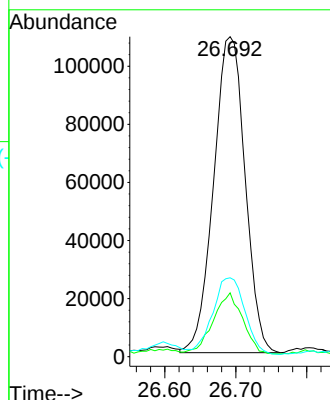
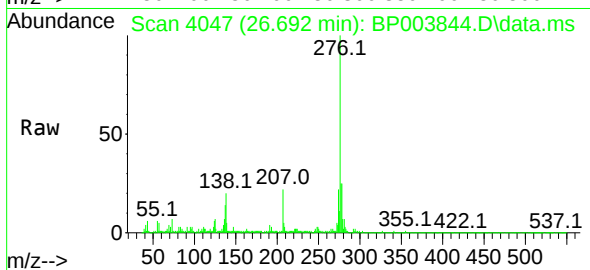
277 24.8 20.4 30.6

Instrument :

BNA_P

ClientSampleId :

SR-L14-L13-NORTH



#88

Benzo(b)fluoranthene

Concen: 18.90 ng

RT: 23.392 min Scan# 3486

Delta R.T. 0.000 min

Lab File: BP003844.D

Acq: 06 Nov 2020 17:24

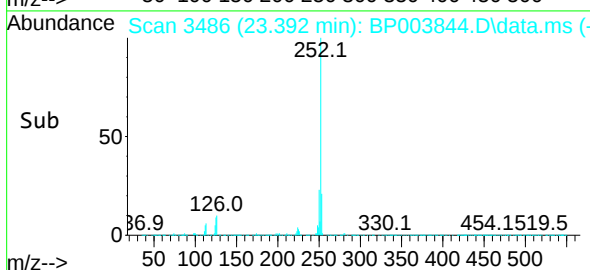
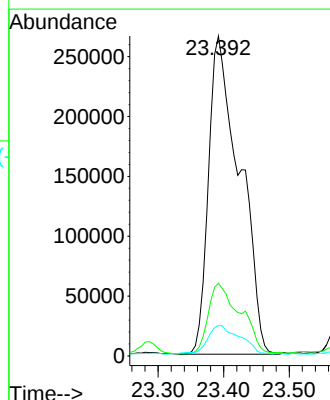
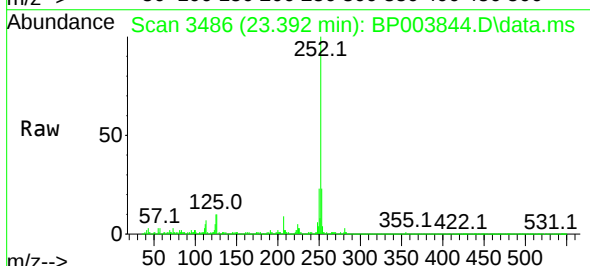
Tgt Ion: 252 Resp: 878148

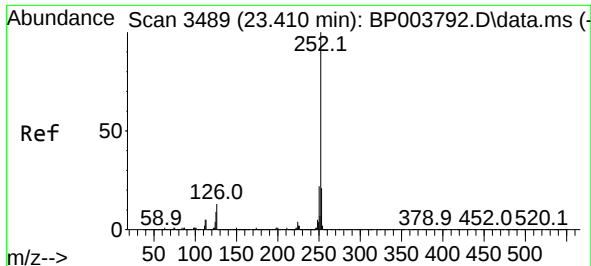
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 9.5 7.3 10.9

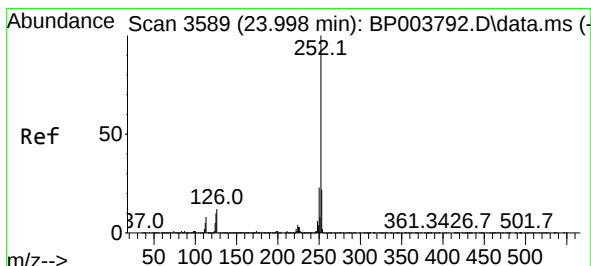
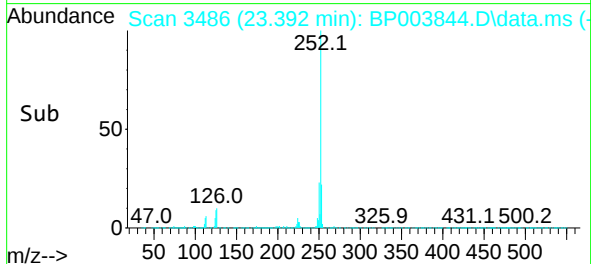
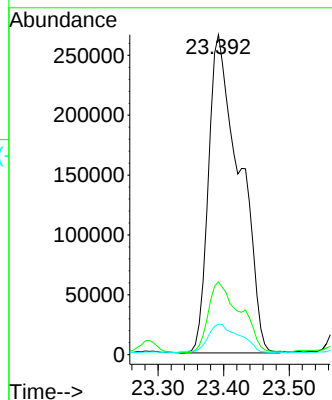
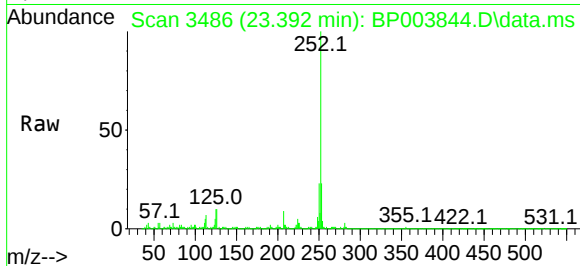




#89
Benzo(k)fluoranthene
Concen: 19.14 ng
RT: 23.392 min Scan# 3486
Delta R.T. -0.047 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

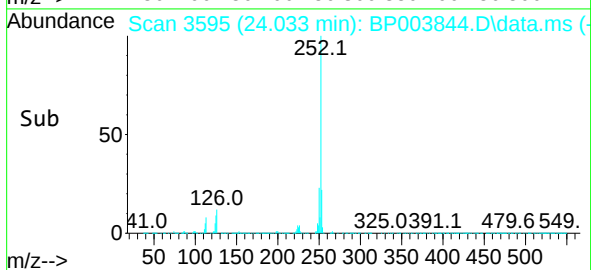
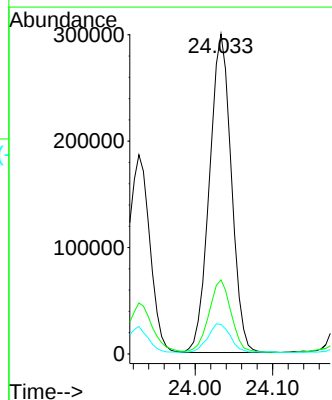
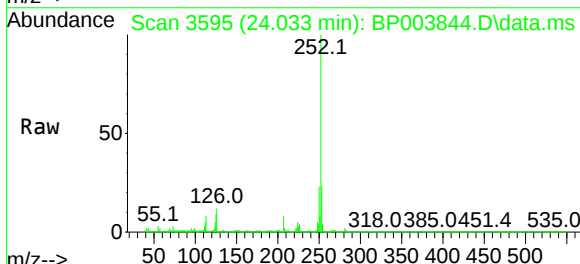
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-NORTH

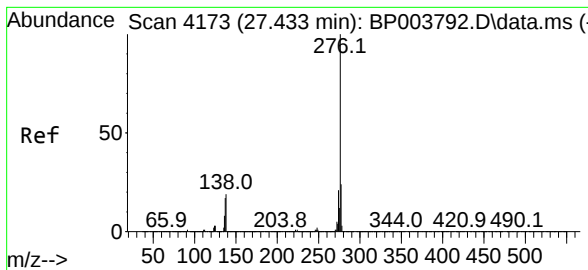
Tgt Ion:252 Resp: 878148
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.5 7.4 11.2



#90
Benzo(a)pyrene
Concen: 13.63 ng
RT: 24.033 min Scan# 3595
Delta R.T. 0.000 min
Lab File: BP003844.D
Acq: 06 Nov 2020 17:24

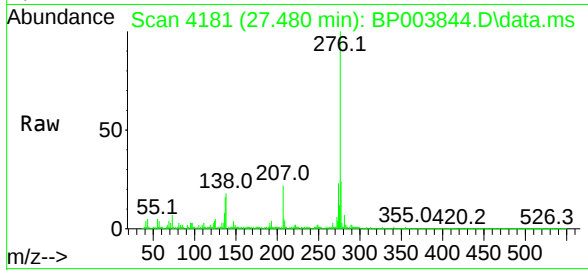
Tgt Ion:252 Resp: 586416
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.2 8.2 12.4





#92
 Benzo(g,h,i)perylene
 Concen: 8.41 ng
 RT: 27.480 min Scan# 4181
 Delta R.T. -0.012 min
 Lab File: BP003844.D
 Acq: 06 Nov 2020 17:24

Instrument :
 BNA_P
 ClientSampleId :
 SR-L14-L13-NORTH



Tgt Ion: 276 Resp: 347584

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	17.8	16.6	24.8

