

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
 Data File : BP003312.D
 Acq On : 16 Sep 2020 20:59
 Operator : CG/JU
 Sample : L4015-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Quant Time: Sep 17 02:33:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 13:18:39 2020
 Response via : Initial Calibration

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

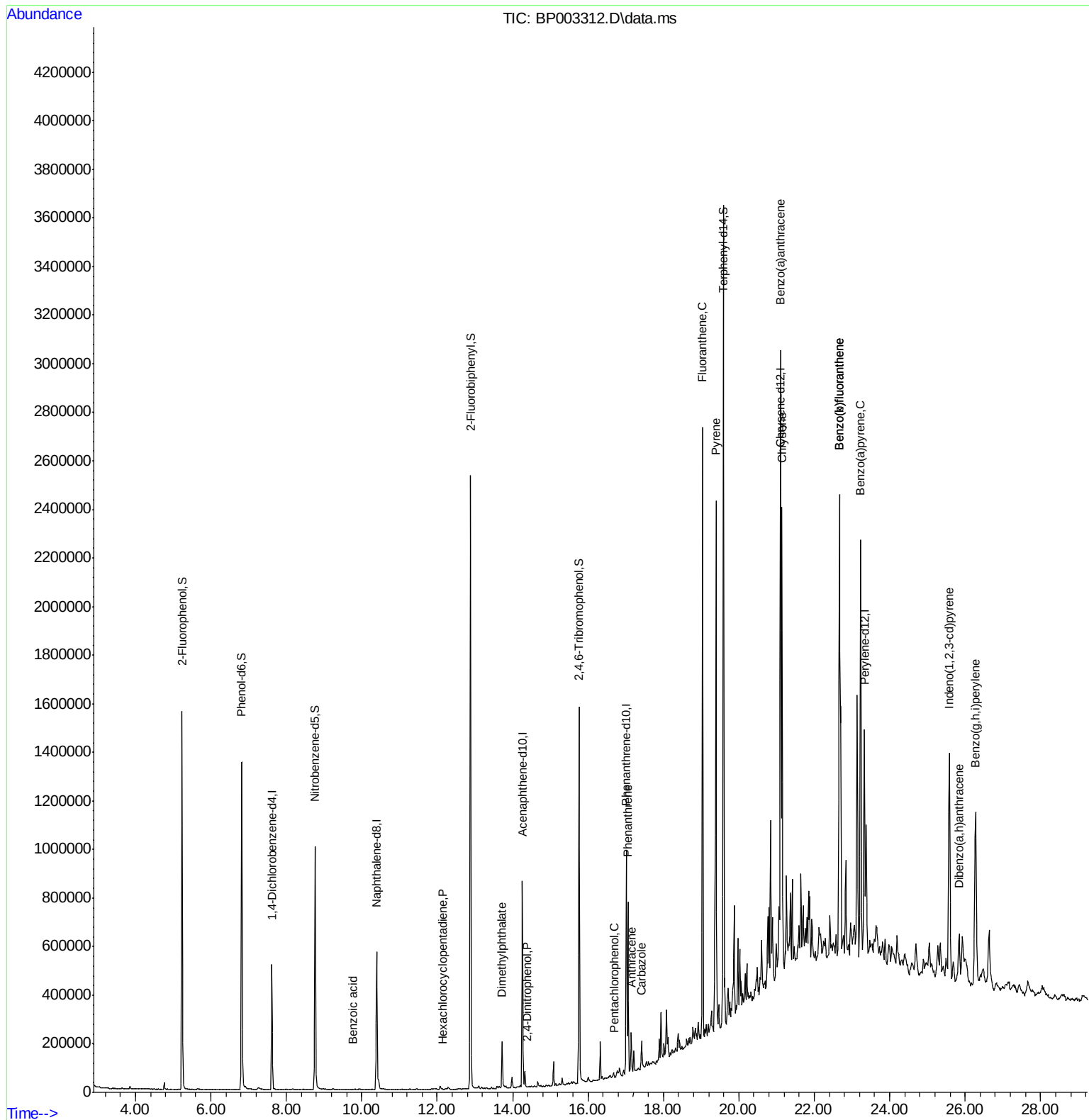
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	146109	20.00	ng	0.00
21) Naphthalene-d8	10.393	136	546058	20.00	ng	# 0.00
39) Acenaphthene-d10	14.263	164	300587	20.00	ng	0.00
64) Phenanthrene-d10	17.016	188	562089	20.00	ng	0.00
76) Chrysene-d12	21.110	240	584016	20.00	ng	0.00
86) Perylene-d12	23.327	264	672820	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	781590	93.41	ng	0.00
7) Phenol-d6	6.810	99	965967	86.61	ng	0.00
23) Nitrobenzene-d5	8.763	82	634110	68.22	ng	0.00
42) 2,4,6-Tribromophenol	15.763	330	340563	74.28	ng	0.00
45) 2-Fluorobiphenyl	12.881	172	1353010	65.83	ng	0.00
79) Terphenyl-d14	19.592	244	1477144	52.70	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.757	122	19	9.16	ng	# 1
41) Hexachlorocyclopentadiene	12.151	237	23	6.85	ng	86
50) Dimethylphthalate	13.722	163	143356	5.97	ng	99
54) 2,4-Dinitrophenol	14.375	184	47	7.27	ng	# 1
70) Pentachlorophenol	16.704	266	36	6.78	ng	# 64
71) Phenanthrene	17.057	178	422929	13.83	ng	100
72) Anthracene	17.151	178	108768	3.61	ng	99
73) Carbazole	17.422	167	77761	2.72	ng	98
75) Fluoranthene	19.039	202	1473143	38.31	ng	100
78) Pyrene	19.392	202	1432369	39.33	ng	100
81) Benzo(a)anthracene	21.098	228	1099670	29.13	ng	99
83) Chrysene	21.145	228	1042136	28.73	ng	97
87) Indeno(1,2,3-cd)pyrene	25.586	276	930992	18.26	ng	# 94
88) Benzo(b)fluoranthene	22.663	252	1719882	40.48	ng	98
89) Benzo(k)fluoranthene	22.663	252	1719882	42.24	ng	98
90) Benzo(a)pyrene	23.227	252	1295417	32.33	ng	97
91) Dibenzo(a,h)anthracene	25.839	278	197262	4.69	ng	96
92) Benzo(g,h,i)perylene	26.274	276	889559	21.17	ng	97

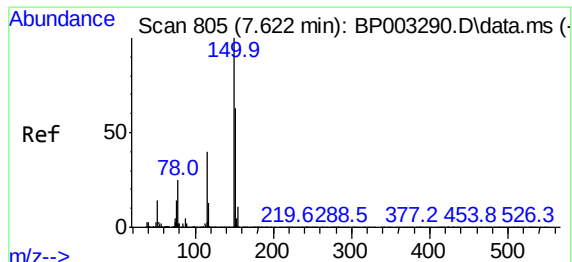
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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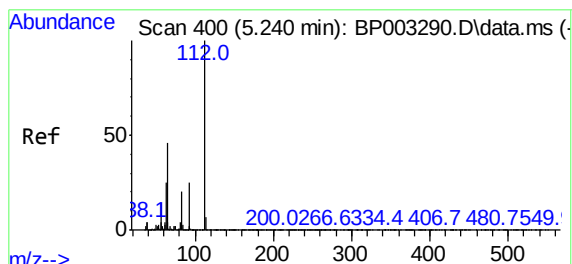
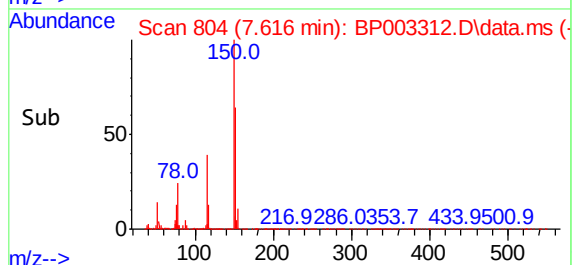
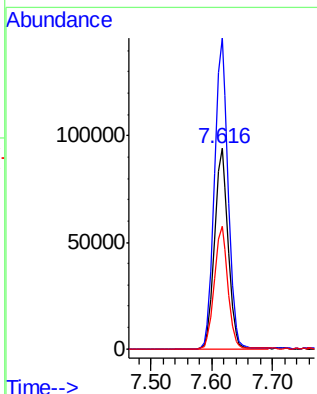
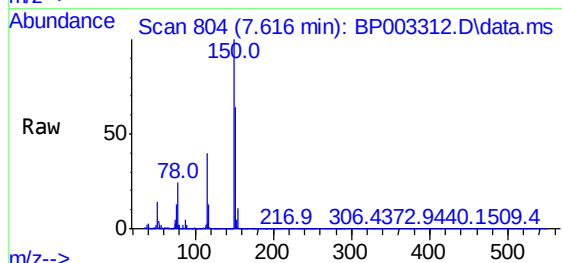




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.616 min Scan# 804
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

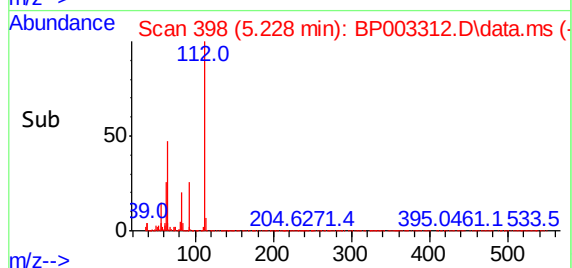
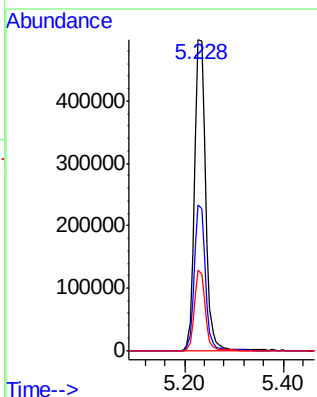
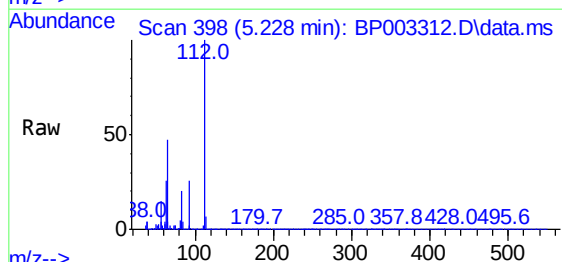
Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

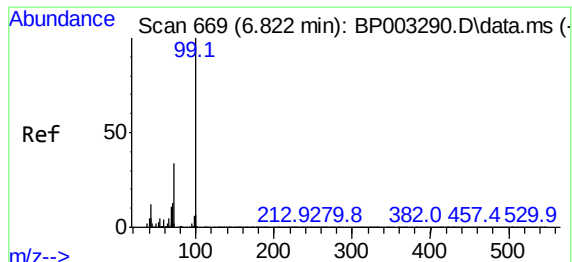
Tgt Ion:152 Resp: 146109
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.6
115 61.3 43.8 65.6



#5
2-Fluorophenol
Concen: 93.41 ng
RT: 5.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:112 Resp: 781590
Ion Ratio Lower Upper
112 100
64 47.1 32.8 49.2
63 25.9 17.0 25.4#

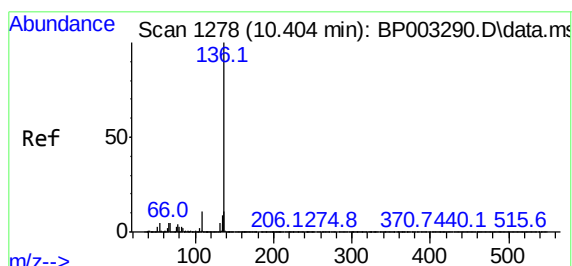
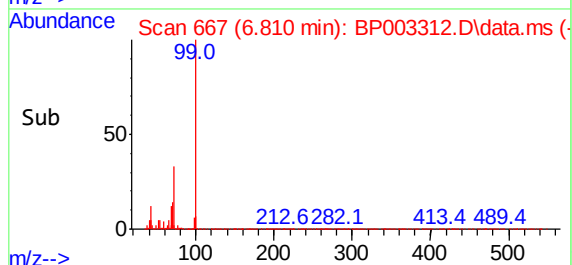
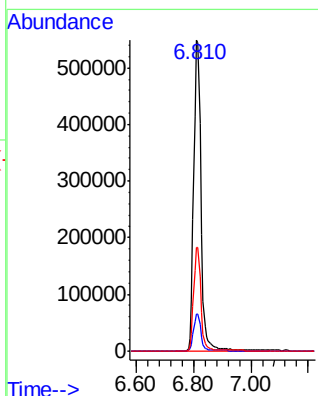
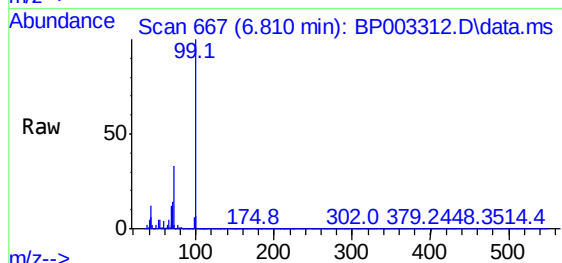




#7
Phenol-d6
Concen: 86.61 ng
RT: 6.810 min Scan# 667
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

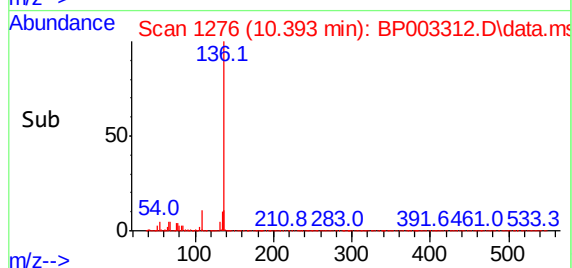
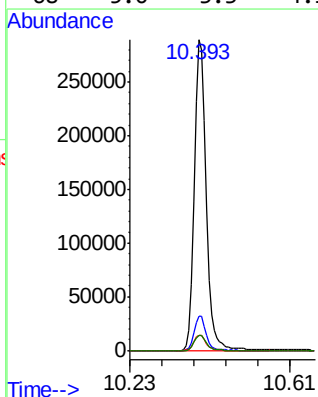
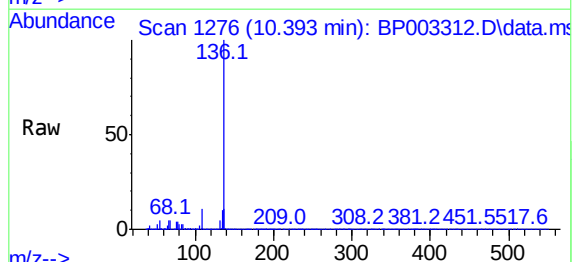
Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

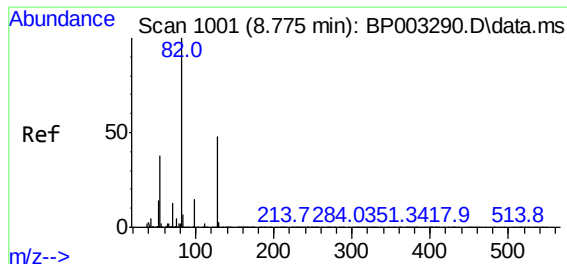
Tgt Ion: 99 Resp: 965967
Ion Ratio Lower Upper
99 100
42 12.0 8.6 13.0
71 33.5 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.393 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion: 136 Resp: 546058
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.0 3.6 5.4
68 5.0 3.3 4.9#

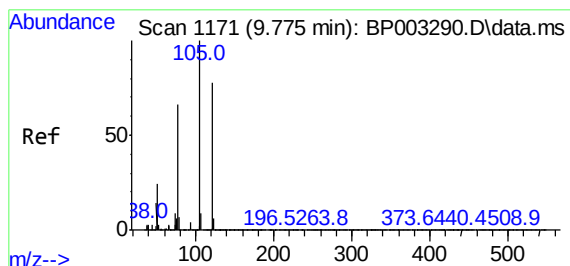
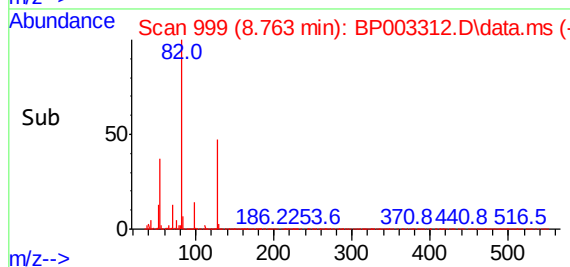
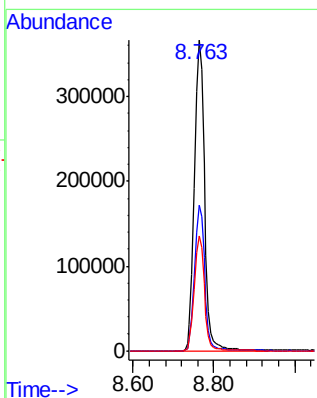
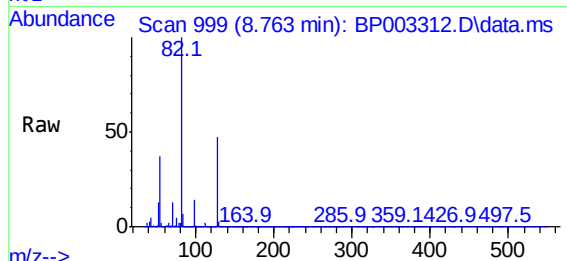




#23
Nitrobenzene-d5
Concen: 68.22 ng
RT: 8.763 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

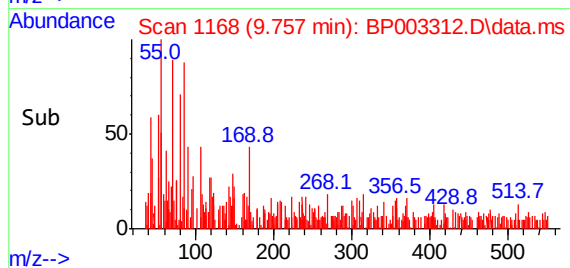
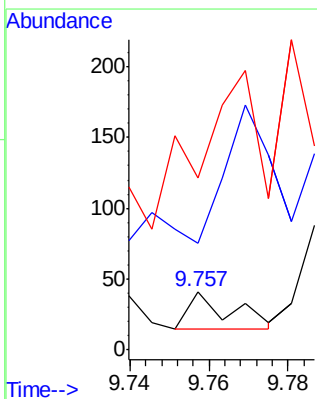
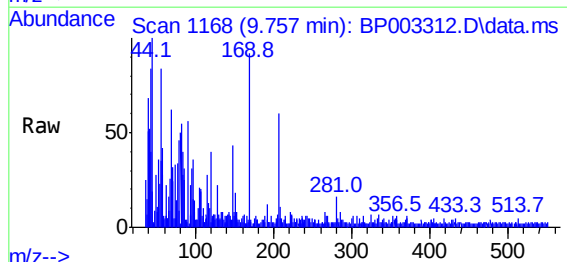
Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

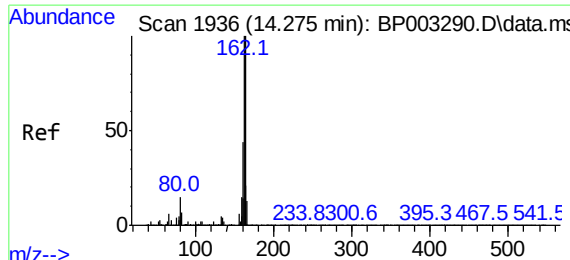
Tgt Ion: 82 Resp: 634110
Ion Ratio Lower Upper
82 100
128 46.8 45.6 68.4
54 37.0 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.757 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:122 Resp: 19
Ion Ratio Lower Upper
122 100
105 182.9 94.1 134.1#
77 295.1 50.1 90.1#

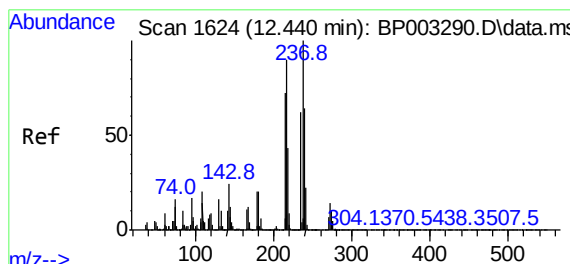
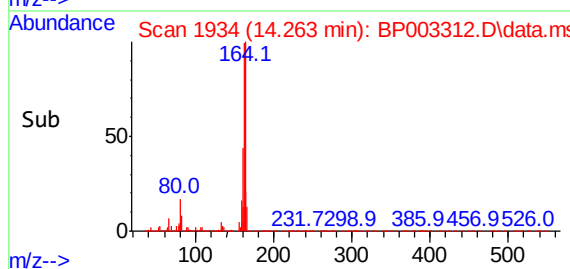
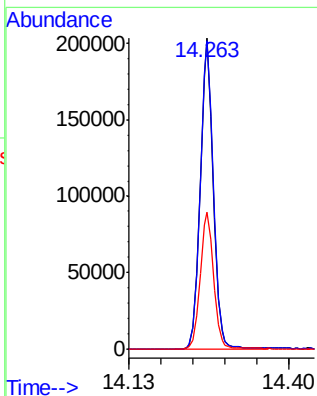
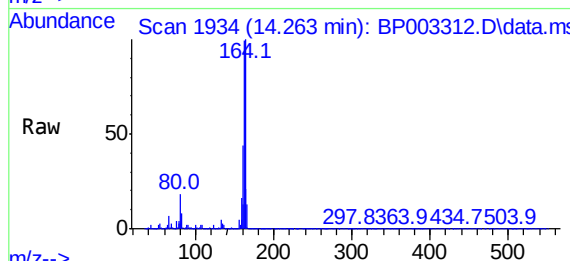




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.263 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

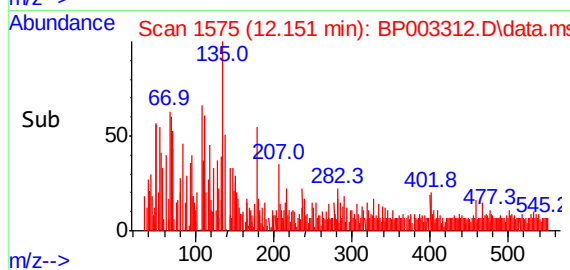
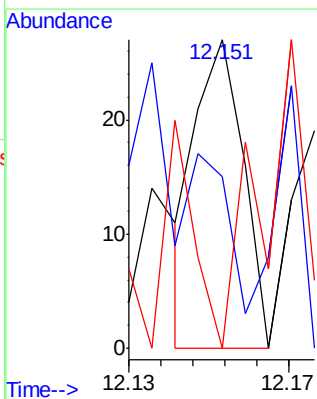
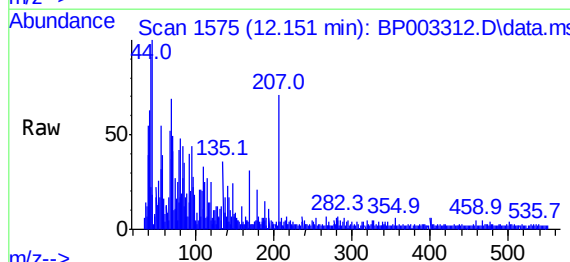
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ClientSampleId :
REACTOR-5W-(A-D-0-4)

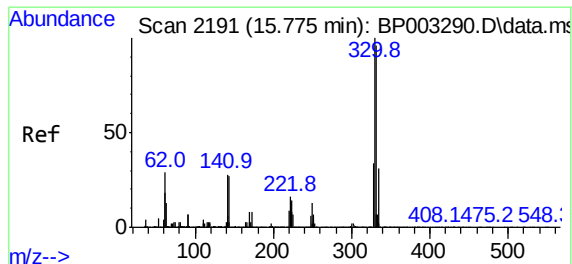
Tgt Ion:164 Resp: 300587
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 43.9 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.85 ng
RT: 12.151 min Scan# 1575
Delta R.T. -0.276 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:237 Resp: 23
Ion Ratio Lower Upper
237 100
235 55.6 43.2 83.2
272 0.0 0.0 33.3

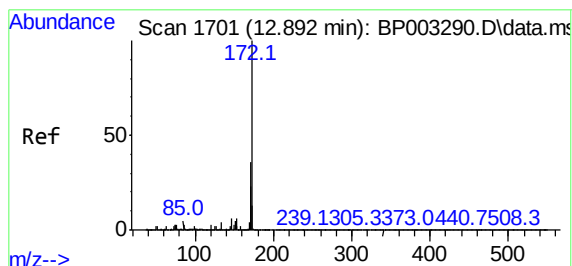
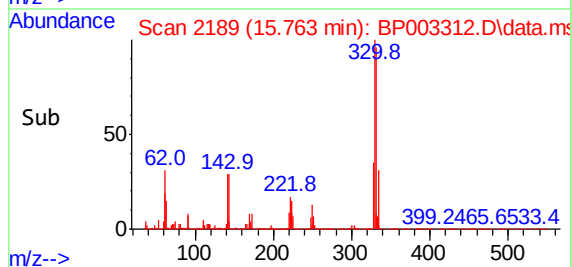
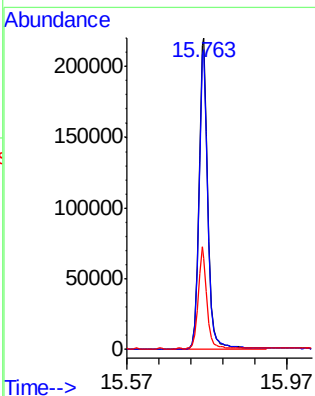
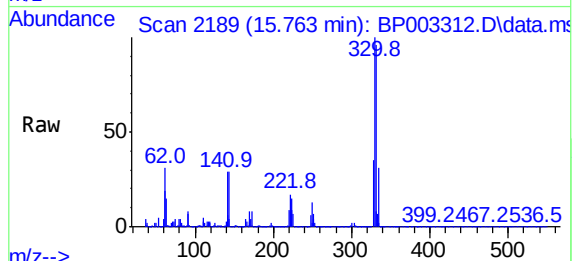




#42
2,4,6-Tribromophenol
Concen: 74.28 ng
RT: 15.763 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

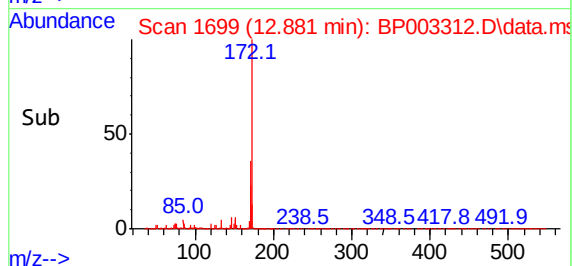
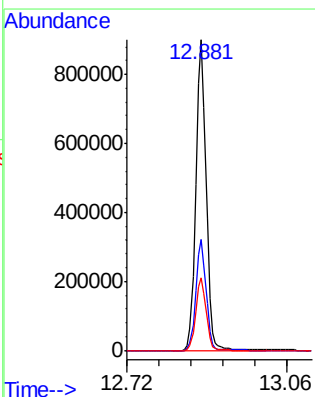
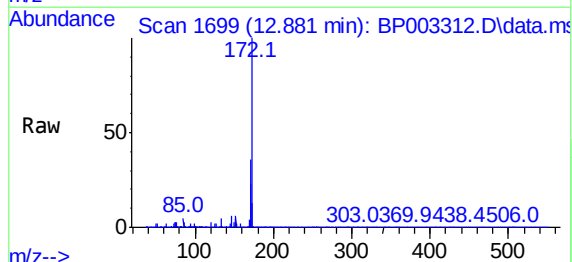
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REACTOR-5W-(A-D-0-4)

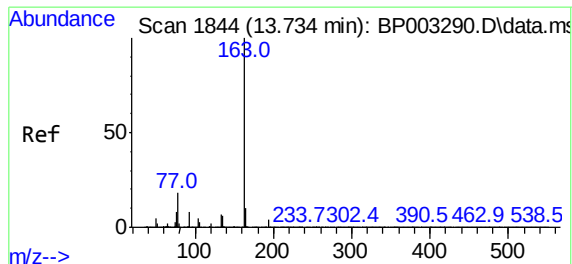
Tgt Ion:330 Resp: 340563
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 31.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 65.83 ng
RT: 12.881 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:172 Resp: 1353010
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.4 19.2 28.8

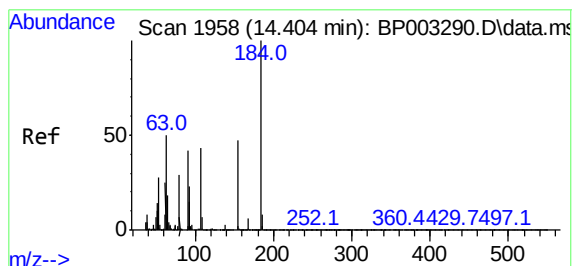
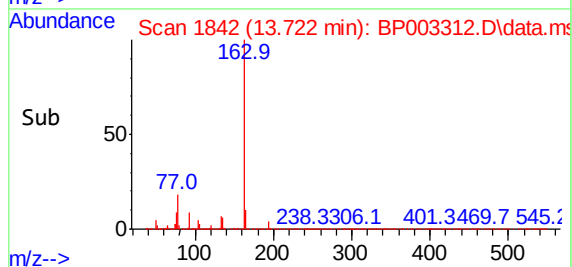
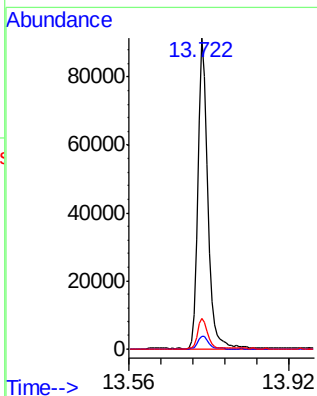
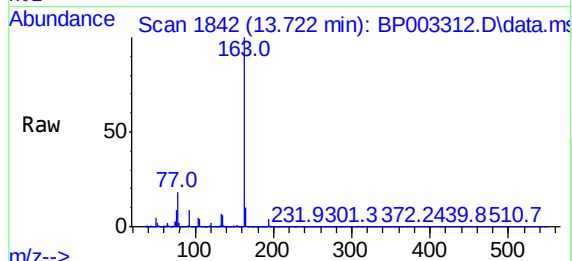




#50
Dimethylphthalate
Concen: 5.97 ng
RT: 13.722 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

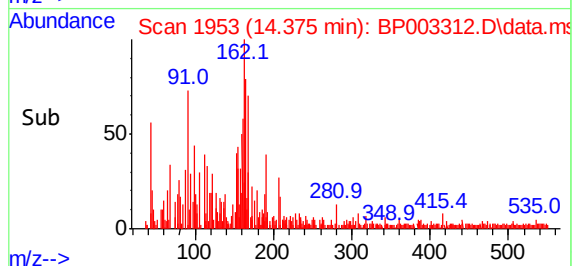
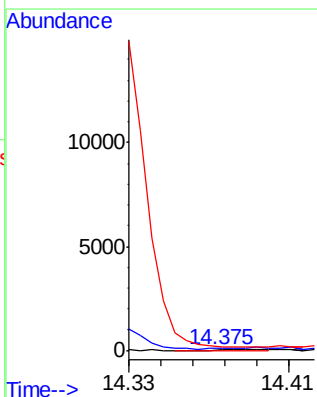
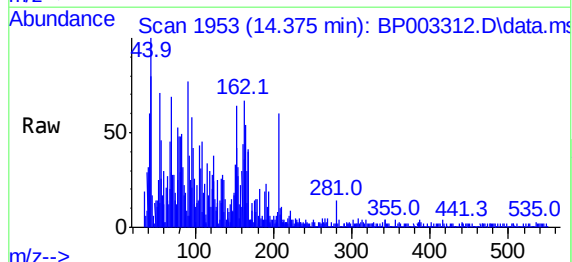
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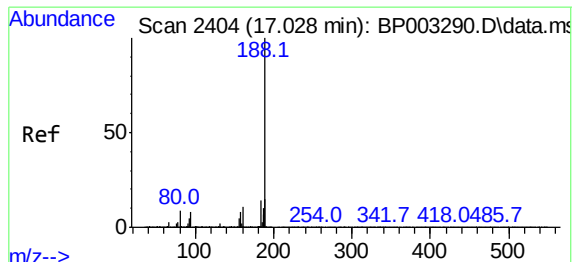
Tgt Ion:163 Resp: 143356
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.7 8.2 12.2



#54
2,4-Dinitrophenol
Concen: 7.27 ng
RT: 14.375 min Scan# 1953
Delta R.T. -0.023 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:184 Resp: 47
Ion Ratio Lower Upper
184 100
63 425.0 32.3 48.5#
154 646.4 49.1 73.7#

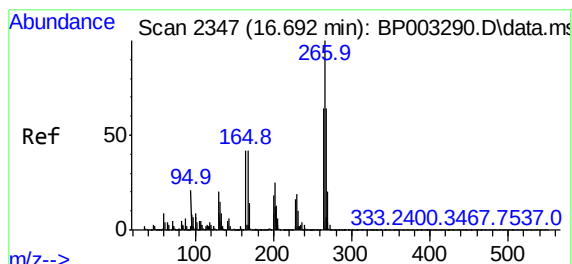
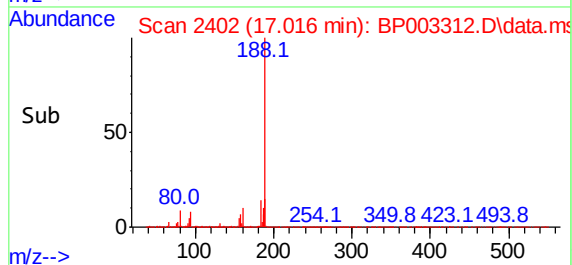
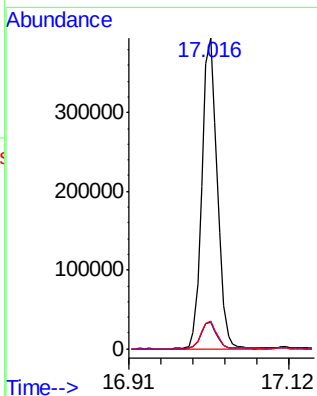
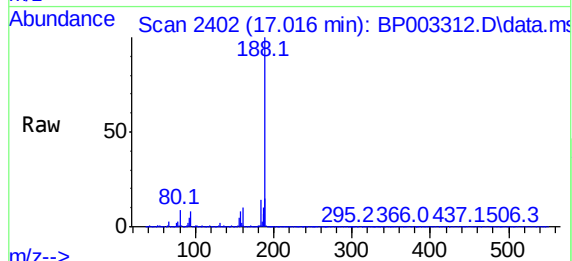




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.016 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

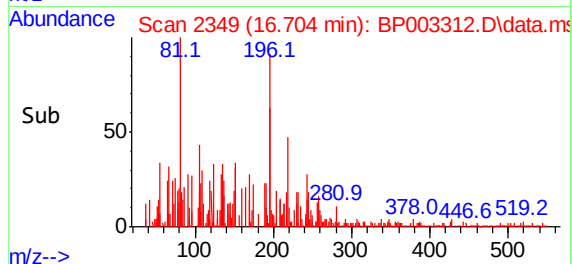
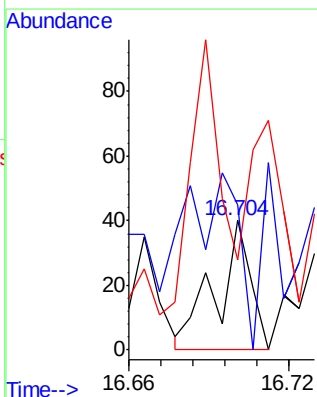
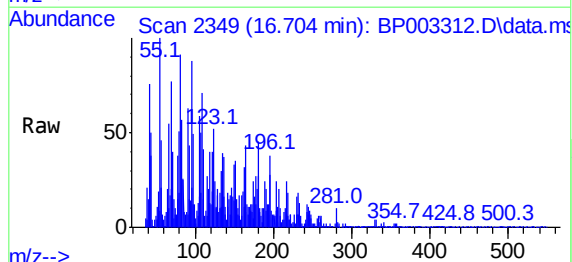
Instrument :
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REACTOR-5W-(A-D-0-4)

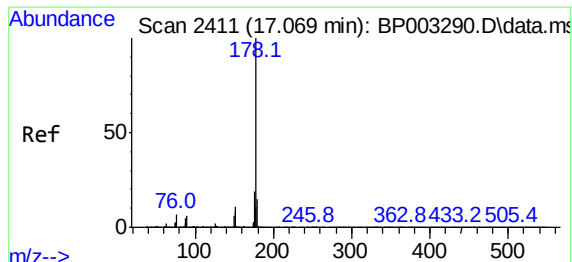
Tgt Ion:188 Resp: 562089
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 8.9 6.2 9.2



#70
Pentachlorophenol
Concen: 6.78 ng
RT: 16.704 min Scan# 2349
Delta R.T. 0.018 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:266 Resp: 36
Ion Ratio Lower Upper
266 100
268 112.5 51.1 76.7#
264 70.0 50.6 76.0

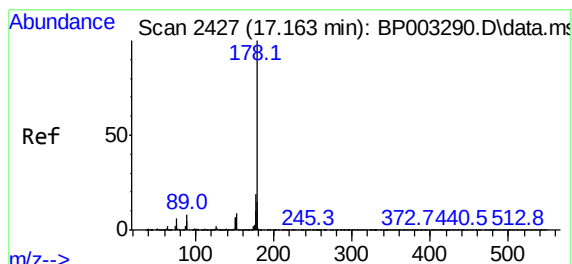
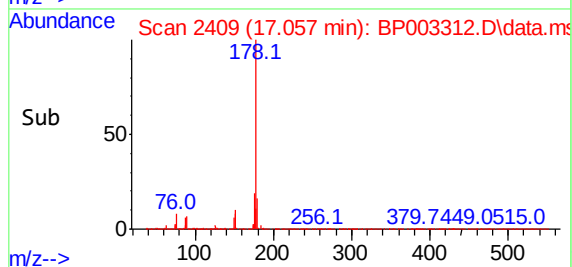
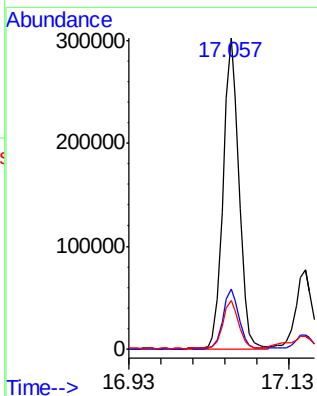
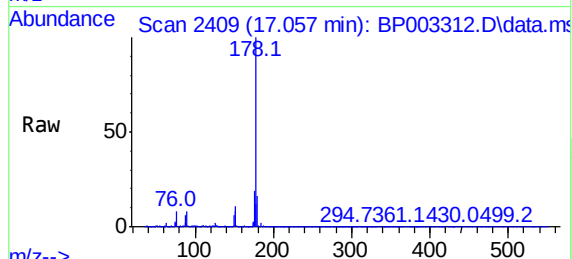




#71
Phenanthrene
Concen: 13.83 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

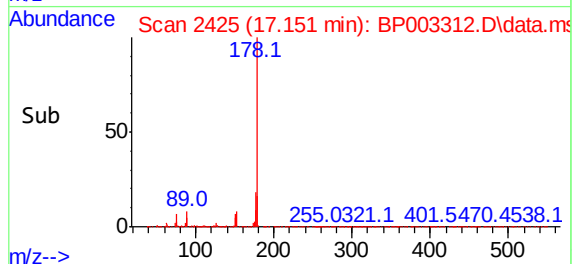
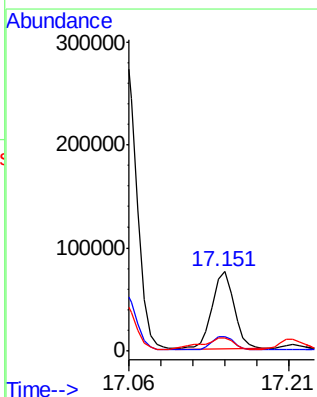
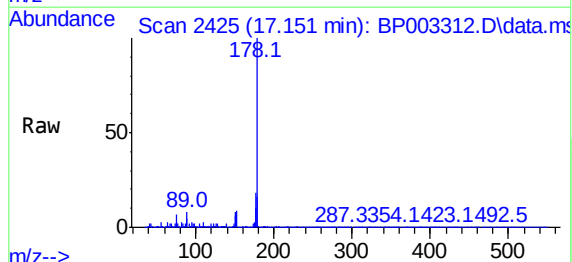
Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

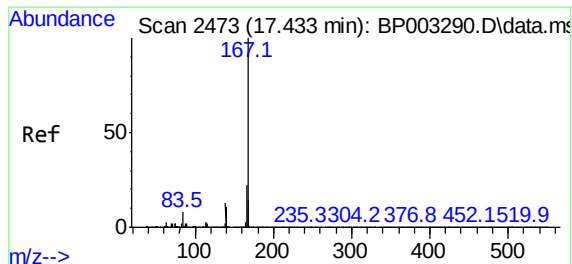
Tgt Ion:178 Resp: 422929
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 3.61 ng
RT: 17.151 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:178 Resp: 108768
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 16.1 12.5 18.7

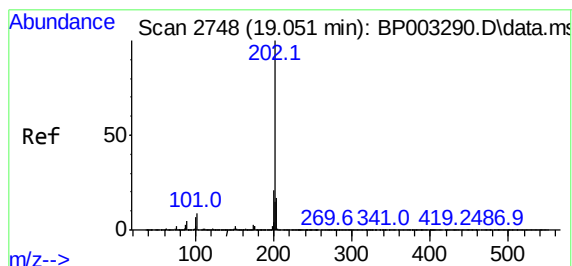
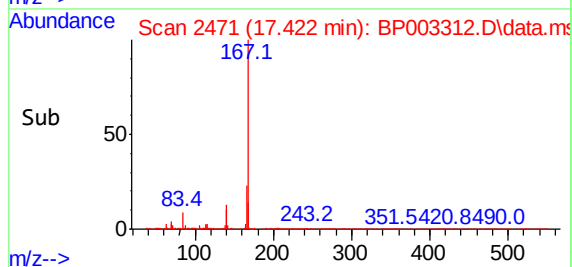
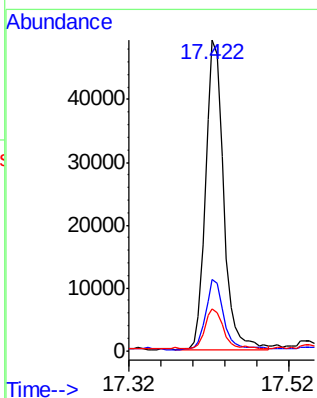
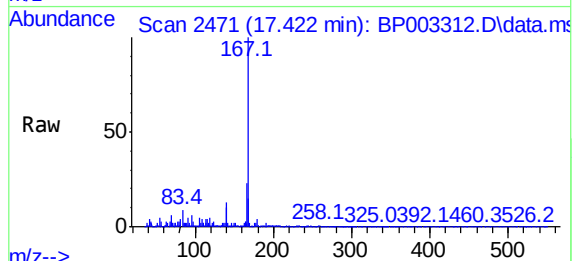




#73
 Carbazole
 Concen: 2.72 ng
 RT: 17.422 min Scan# 2471
 Delta R.T. -0.006 min
 Lab File: BP003312.D
 Acq: 16 Sep 2020 20:59

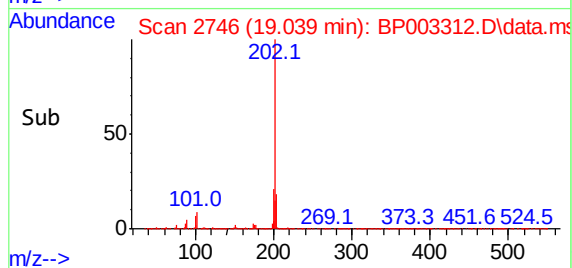
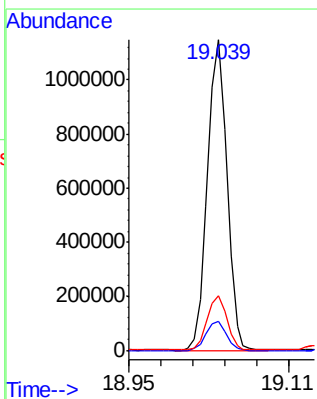
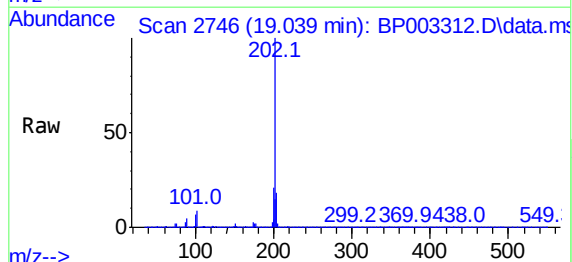
Instrument :
 BNA_P
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

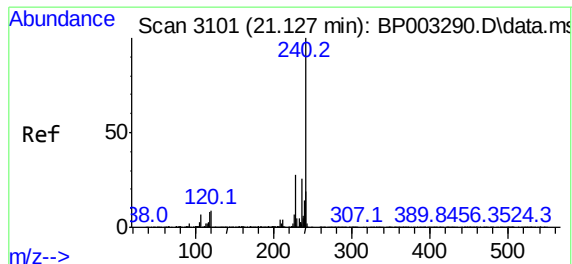
Tgt Ion:	167	Resp:	77761
Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	13.4	10.2	15.4



#75
 Fluoranthene
 Concen: 38.31 ng
 RT: 19.039 min Scan# 2746
 Delta R.T. 0.000 min
 Lab File: BP003312.D
 Acq: 16 Sep 2020 20:59

Tgt Ion:	202	Resp:	1473143
Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.4
203	17.7	0.0	37.8

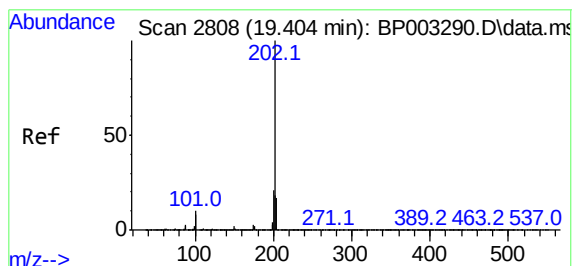
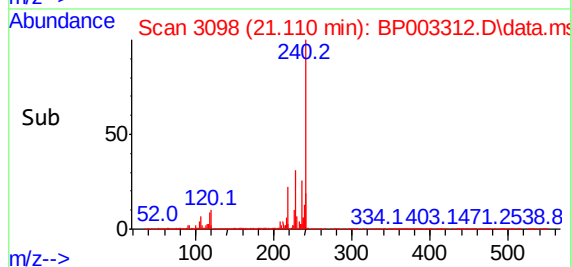
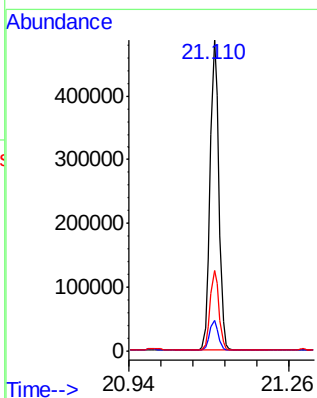
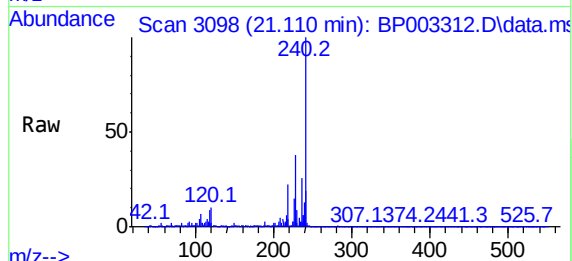




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.110 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

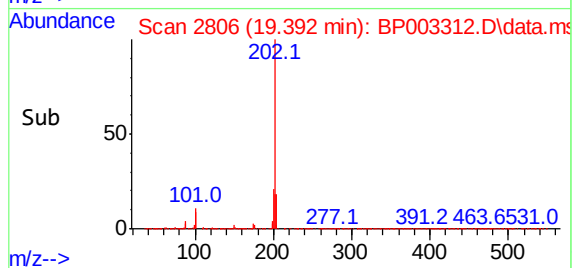
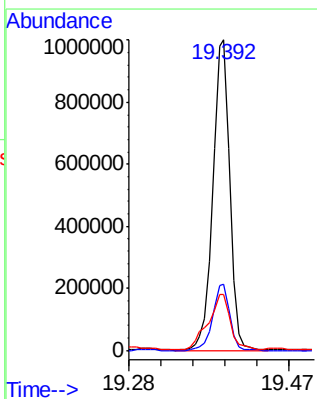
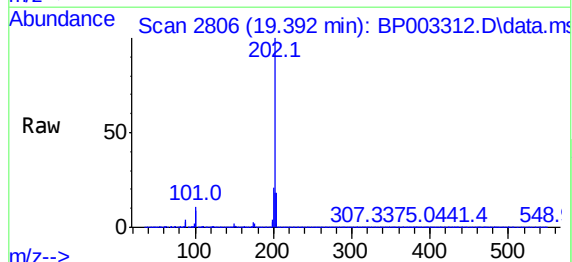
Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

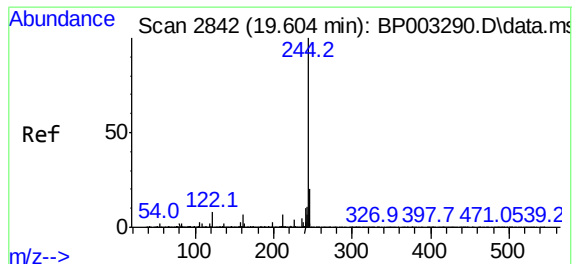
Tgt Ion:240 Resp: 584016
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.6
236 25.7 20.8 31.2



#78
Pyrene
Concen: 39.33 ng
RT: 19.392 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:202 Resp: 1432369
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.9 14.2 21.2



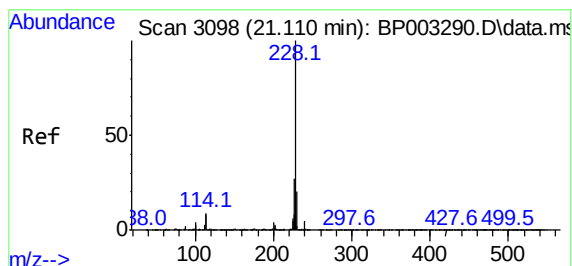
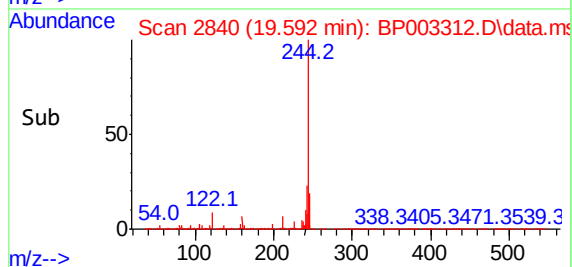
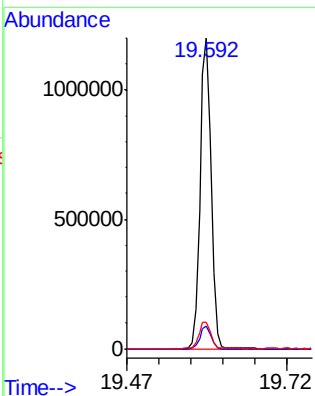
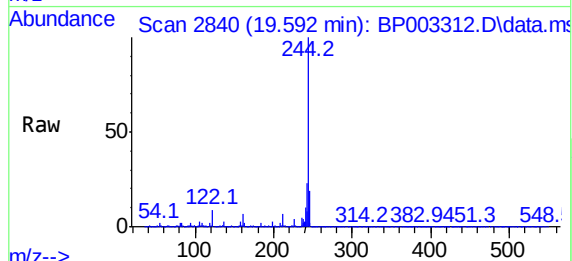


#79
 Terphenyl-d14
 Concen: 52.70 ng
 RT: 19.592 min Scan# 2840
 Delta R.T. 0.000 min
 Lab File: BP003312.D
 Acq: 16 Sep 2020 20:59

Instrument :
 BNA_P
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Tgt Ion:244 Resp: 1477144

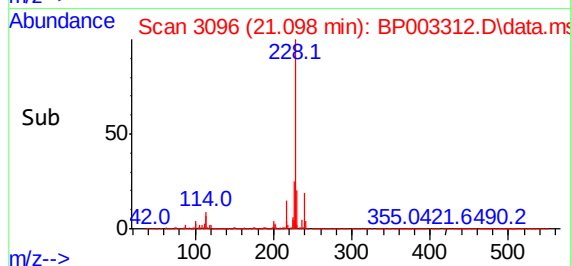
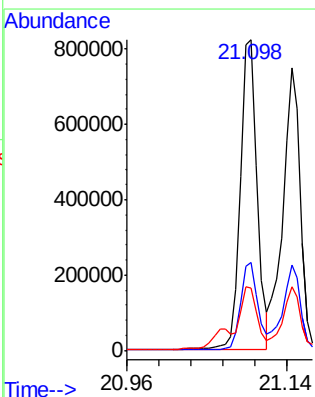
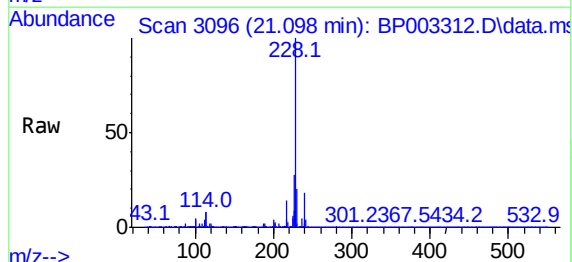
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.7	7.8	11.8

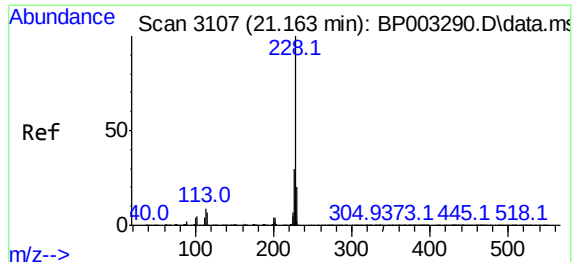


#81
 Benzo(a)anthracene
 Concen: 29.13 ng
 RT: 21.098 min Scan# 3096
 Delta R.T. 0.000 min
 Lab File: BP003312.D
 Acq: 16 Sep 2020 20:59

Tgt Ion:228 Resp: 1099670

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	20.3	15.9	23.9

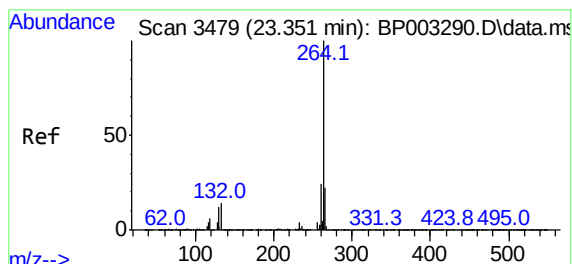
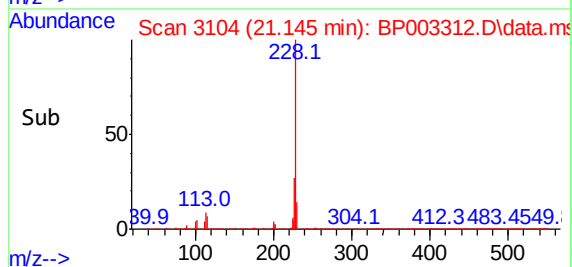
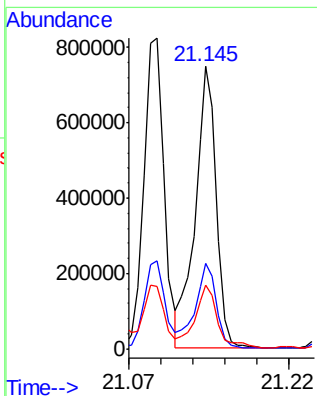
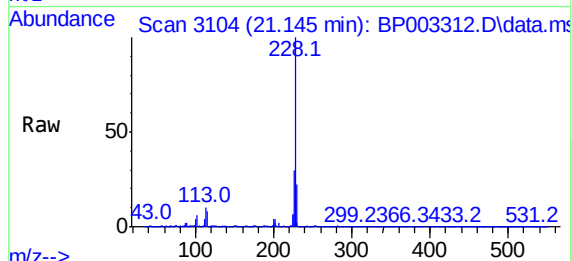




#83
Chrysene
Concen: 28.73 ng
RT: 21.145 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

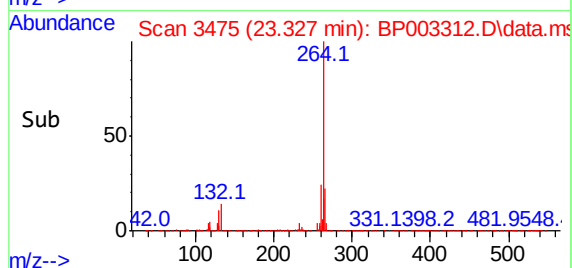
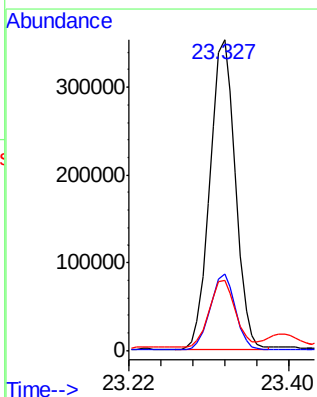
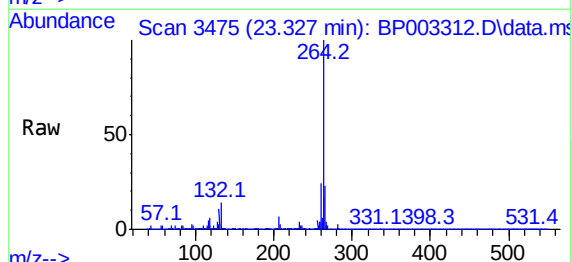
Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

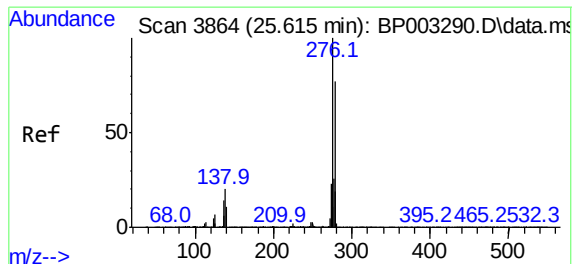
Tgt Ion:228 Resp: 1042136
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.327 min Scan# 3475
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:264 Resp: 672820
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.6 17.4 26.2



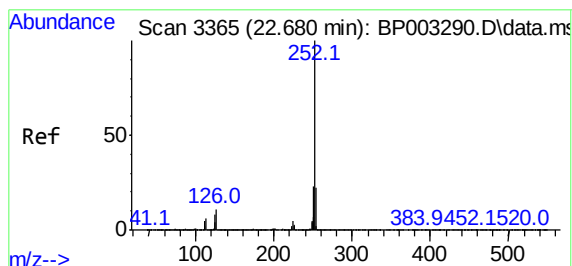
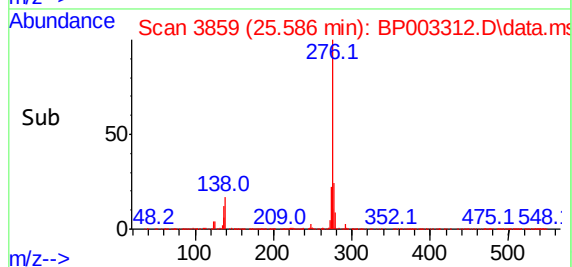
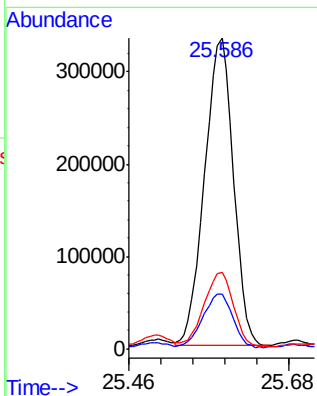
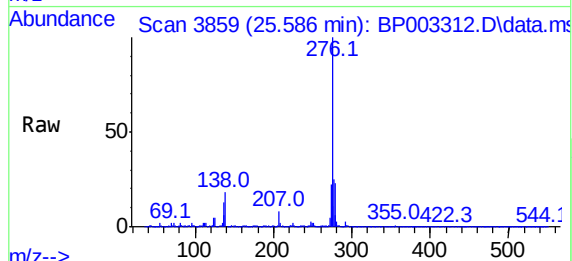


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.26 ng
 RT: 25.586 min Scan# 3859
 Delta R.T. 0.000 min
 Lab File: BP003312.D
 Acq: 16 Sep 2020 20:59

Instrument :
 BNA_P
 ClientSampleId :
 REACTOR-5W-(A-D-0-4)

Tgt Ion:276 Resp: 930992

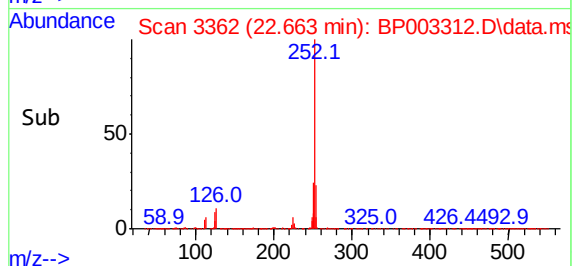
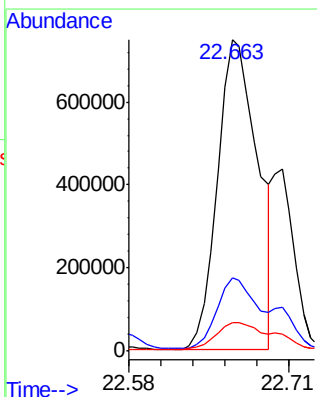
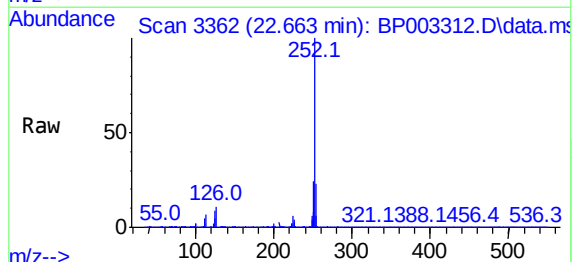
Ion	Ratio	Lower	Upper
276	100		
138	17.9	18.7	28.1#
277	24.9	20.4	30.6

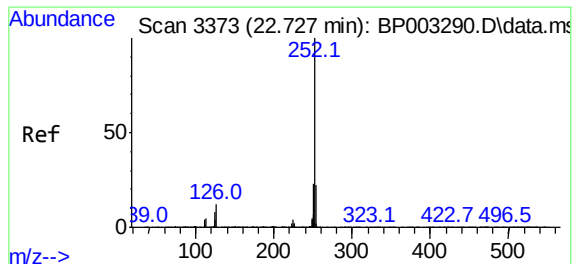


#88
 Benzo(b)fluoranthene
 Concen: 40.48 ng
 RT: 22.663 min Scan# 3362
 Delta R.T. 0.000 min
 Lab File: BP003312.D
 Acq: 16 Sep 2020 20:59

Tgt Ion:252 Resp: 1719882

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	9.1	7.3	10.9



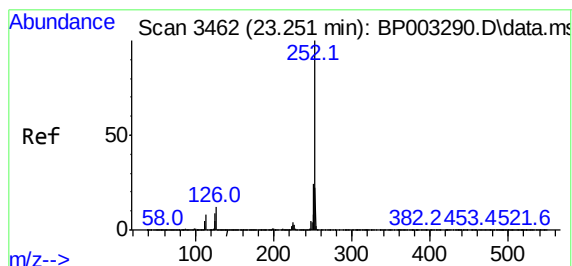
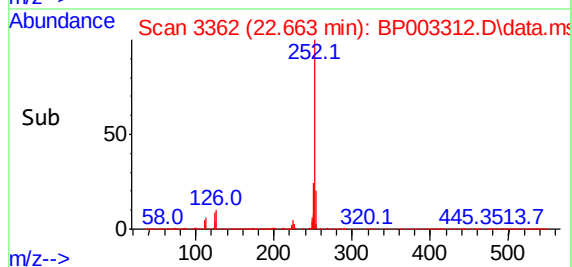
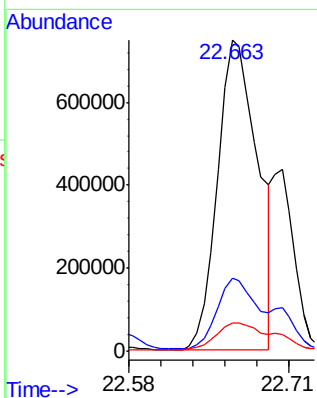
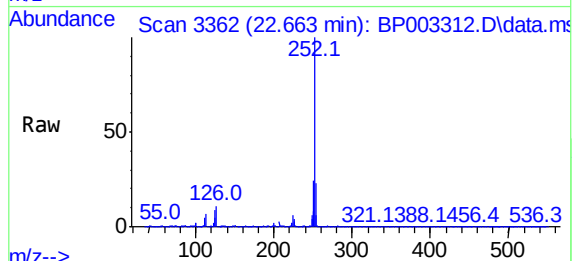


#89
Benzo(k)fluoranthene
Concen: 42.24 ng
RT: 22.663 min Scan# 3362
Delta R.T. -0.041 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Tgt Ion:252 Resp: 1719882

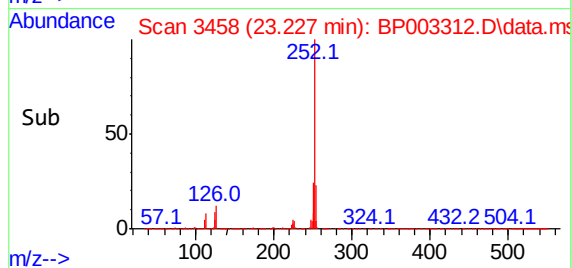
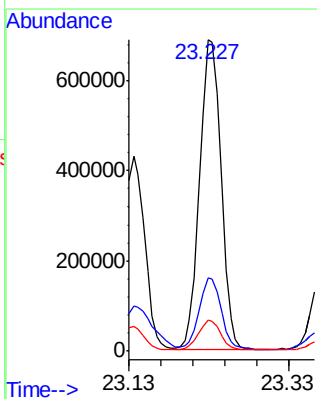
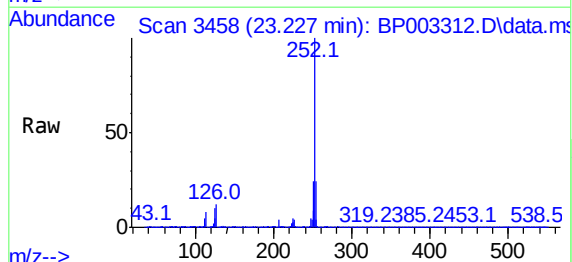
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	9.1	7.4	11.2

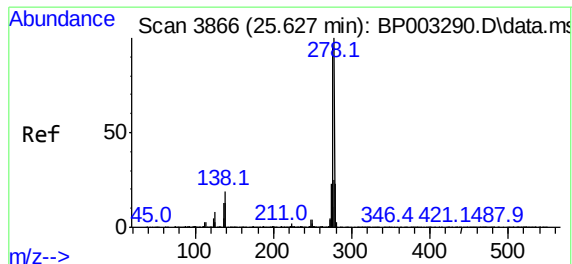


#90
Benzo(a)pyrene
Concen: 32.33 ng
RT: 23.227 min Scan# 3458
Delta R.T. -0.006 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:252 Resp: 1295417

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	9.8	8.2	12.4

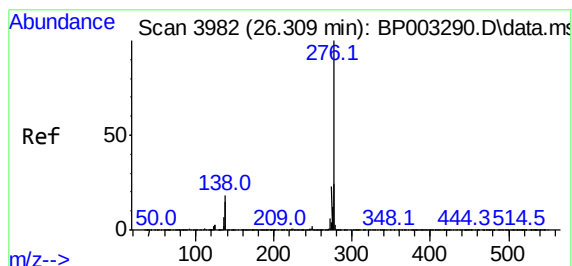
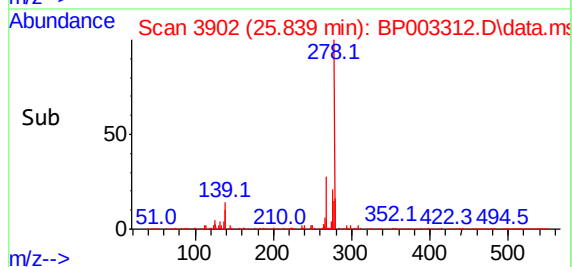
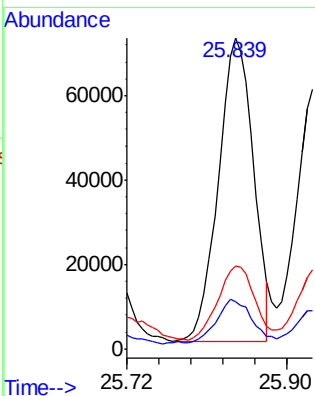
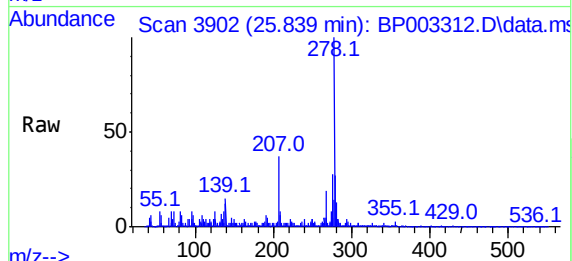




#91
Dibenzo(a,h)anthracene
Concen: 4.69 ng
RT: 25.839 min Scan# 3902
Delta R.T. 0.241 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Instrument :
BNA_P
ClientSampleId :
REACTOR-5W-(A-D-0-4)

Tgt Ion:278 Resp: 197262
Ion Ratio Lower Upper
278 100
139 15.0 12.4 18.6
279 26.6 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 21.17 ng
RT: 26.274 min Scan# 3976
Delta R.T. 0.000 min
Lab File: BP003312.D
Acq: 16 Sep 2020 20:59

Tgt Ion:276 Resp: 889559
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 18.4 16.6 24.8

