

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011221\
 Data File : BP004524.D
 Acq On : 13 Jan 2021 02:09
 Operator : CG/JU
 Sample : M1076-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-011121

Quant Time: Jan 13 03:15:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 15:19:32 2021
 Response via : Initial Calibration

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

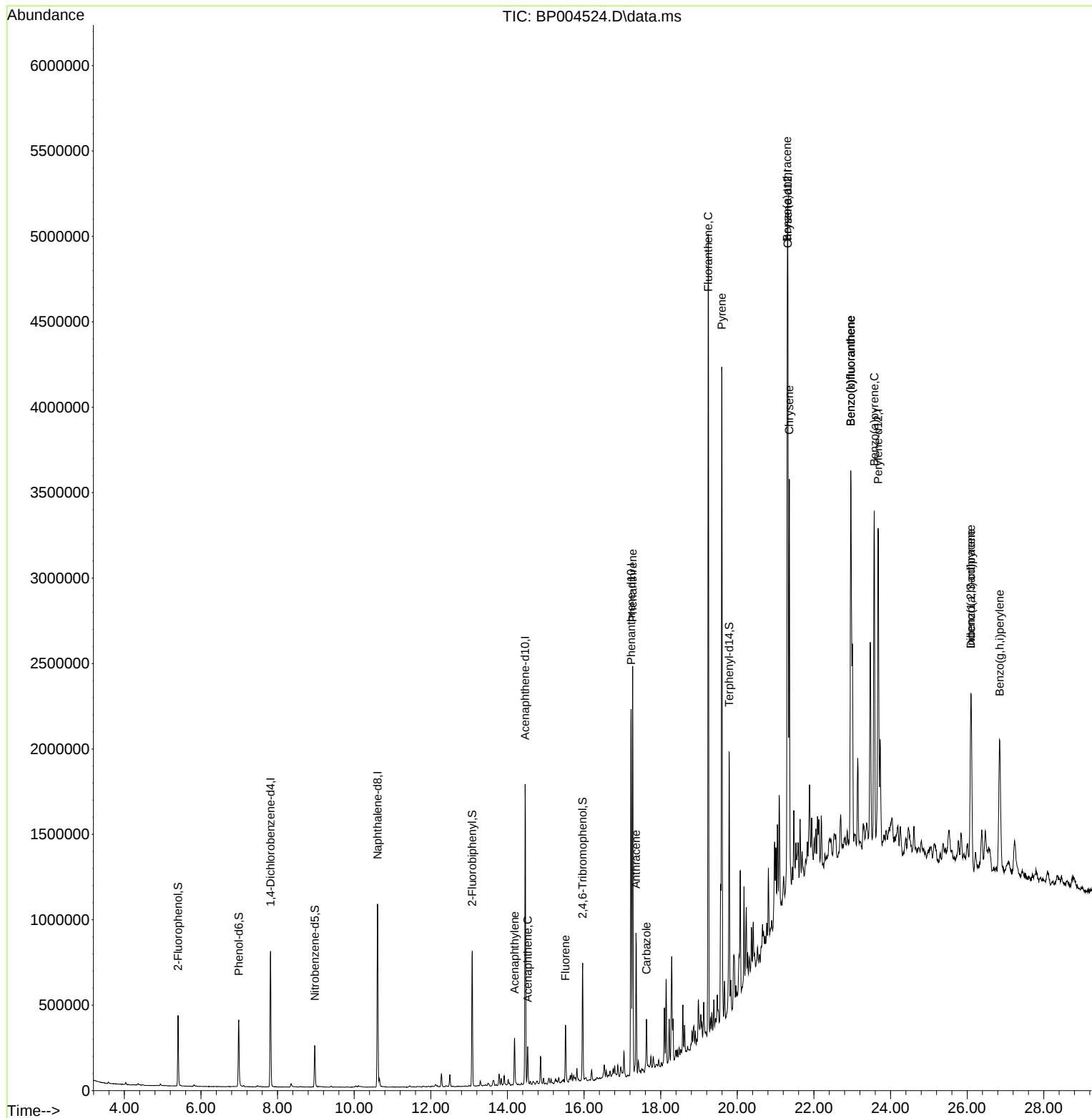
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	247177	20.00	ng	0.00
21) Naphthalene-d8	10.610	136	976111	20.00	ng	# 0.00
39) Acenaphthene-d10	14.463	164	628120	20.00	ng	0.00
64) Phenanthrene-d10	17.227	188	1375312	20.00	ng	0.00
76) Chrysene-d12	21.321	240	1381445	20.00	ng	0.00
86) Perylene-d12	23.674	264	1518396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	210750	14.86	ng	0.00
7) Phenol-d6	6.987	99	267121	13.75	ng	0.00
23) Nitrobenzene-d5	8.969	82	148925	8.63	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	148054	13.56	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	451069	9.34	ng	0.00
79) Terphenyl-d14	19.786	244	684546	9.05	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.987	77	1056	Below Cal	#	40
32) Benzoic acid	9.916	122	186	Below Cal	#	49
41) Hexachlorocyclopentadiene	12.780	237	25	Below Cal		81
49) Acenaphthylene	14.186	152	226259	3.64	ng	99
52) Acenaphthene	14.527	154	83881	2.22	ng	99
54) 2,4-Dinitrophenol	14.557	184	86	Below Cal	#	1
58) Fluorene	15.516	166	160435	3.28	ng	99
71) Phenanthrene	17.268	178	1517639	19.25	ng	100
72) Anthracene	17.357	178	545204	7.14	ng	100
73) Carbazole	17.627	167	205075	2.88	ng	99
75) Fluoranthene	19.239	202	2963852	30.89	ng	99
78) Pyrene	19.598	202	2556766	27.20	ng	100
81) Benzo(a)anthracene	21.304	228	1654975	17.61	ng	98
83) Chrysene	21.357	228	1378835	15.42	ng	97
87) Indeno(1,2,3-cd)pyrene	26.097	276	1122915	9.58	ng	# 92
88) Benzo(b)fluoranthene	22.962	252	2068732	21.05	ng	97
89) Benzo(k)fluoranthene	22.962	252	2068732	22.07	ng	97
90) Benzo(a)pyrene	23.574	252	1544086	16.84	ng	96
91) Dibenzo(a,h)anthracene	26.097	278	290406	3.00	ng	# 78
92) Benzo(g,h,i)perylene	26.850	276	1070827	11.25	ng	# 93

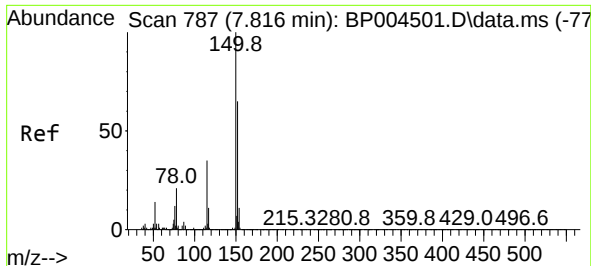
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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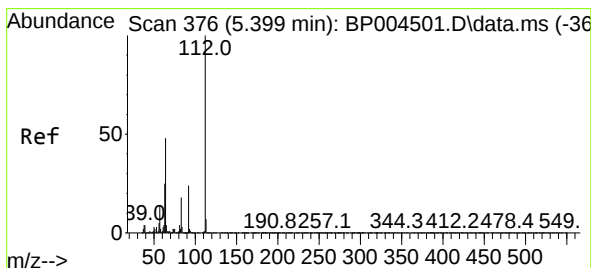
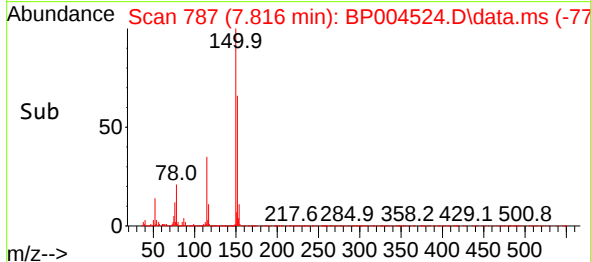
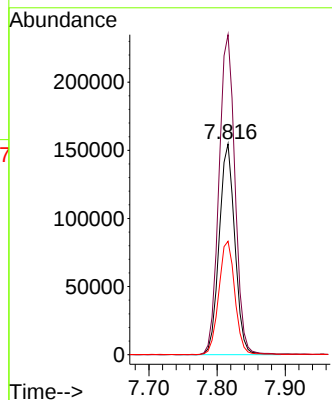
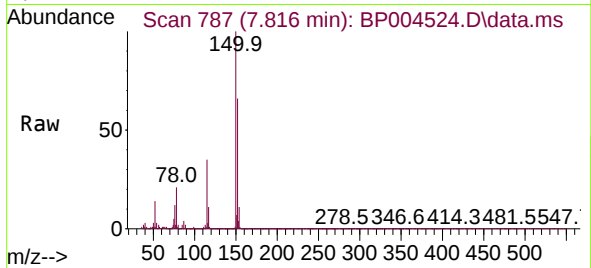




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.816 min Scan# 787
Delta R.T. 0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

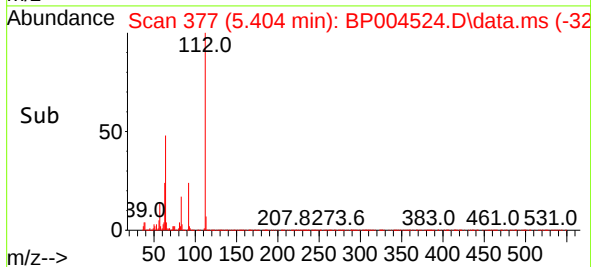
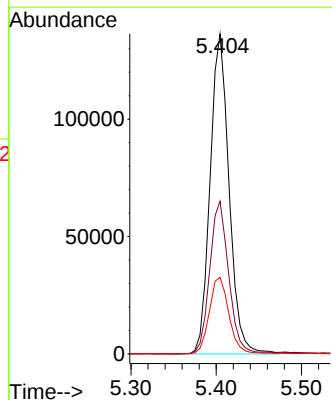
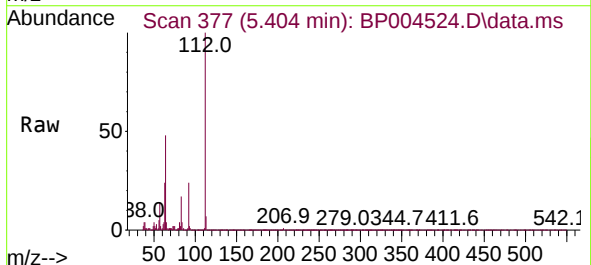
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BNA_P
ClientSampleId :
OR-03-011121

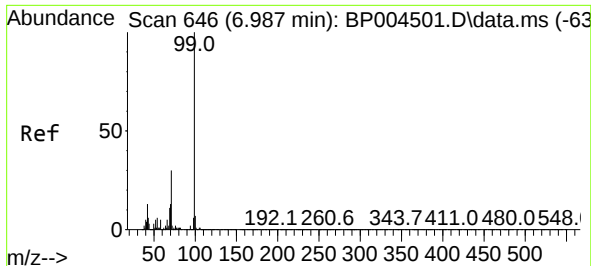
Tgt Ion:152 Resp: 247177
Ion Ratio Lower Upper
152 100
150 151.8 123.8 185.6
115 53.8 43.8 65.6



#5
2-Fluorophenol
Concen: 14.86 ng
RT: 5.404 min Scan# 377
Delta R.T. 0.006 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:112 Resp: 210750
Ion Ratio Lower Upper
112 100
64 47.8 32.8 49.2
63 24.0 17.0 25.4

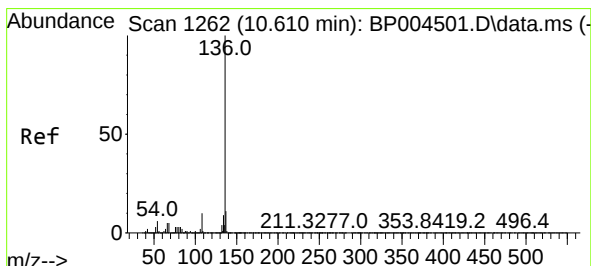
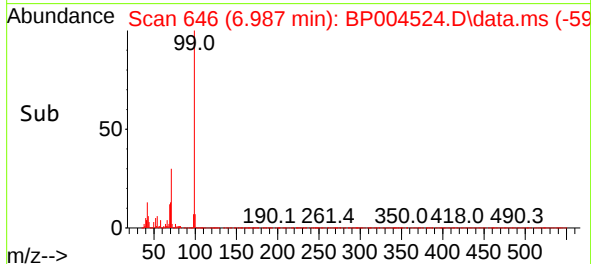
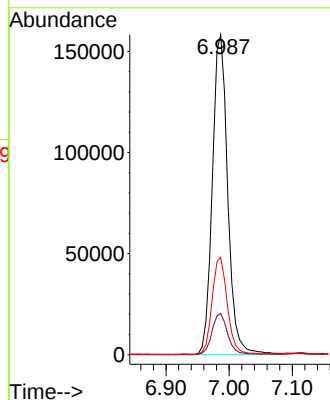
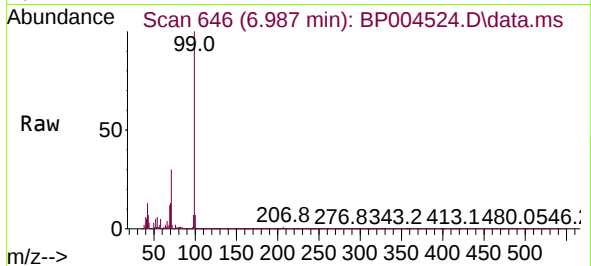




#7
Phenol-d6
Concen: 13.75 ng
RT: 6.987 min Scan# 646
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

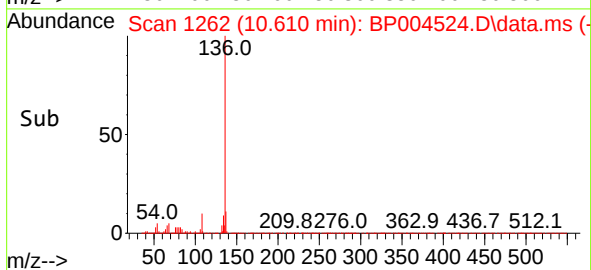
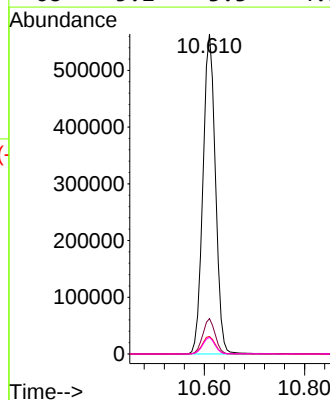
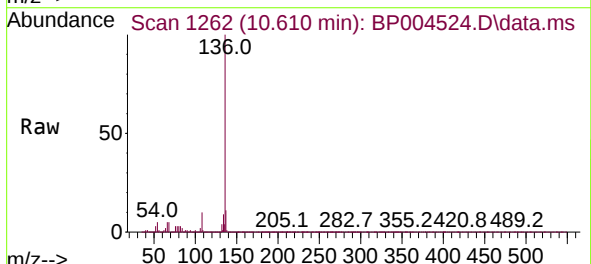
Instrument :
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ClientSampleId :
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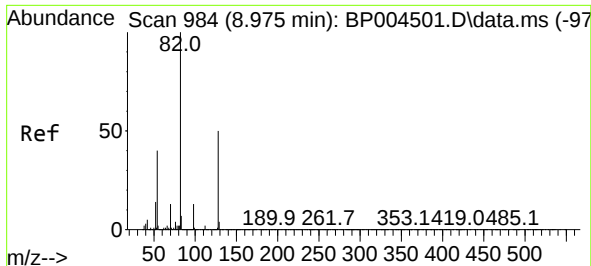
Tgt Ion:	99	Resp:	267121
Ion	Ratio	Lower	Upper
99	100		
42	12.8	8.6	13.0
71	30.5	23.4	35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:	136	Resp:	976111
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.5	3.6	5.4#
68	5.2	3.3	4.9#

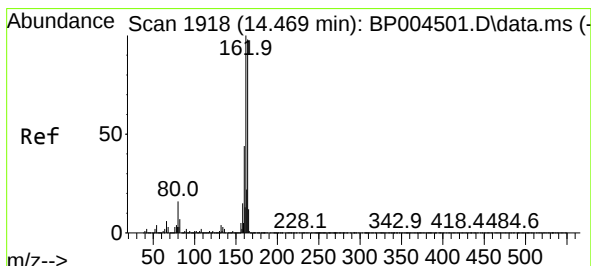
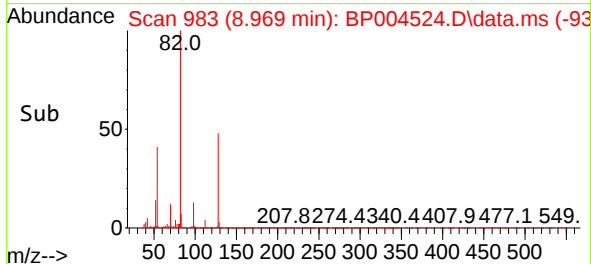
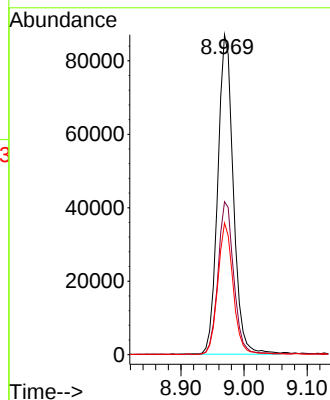
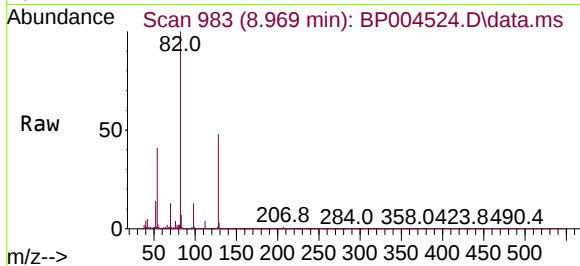




#23
Nitrobenzene-d5
Concen: 8.63 ng
RT: 8.969 min Scan# 983
Delta R.T. -0.006 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

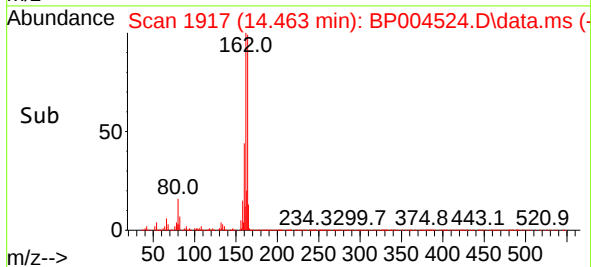
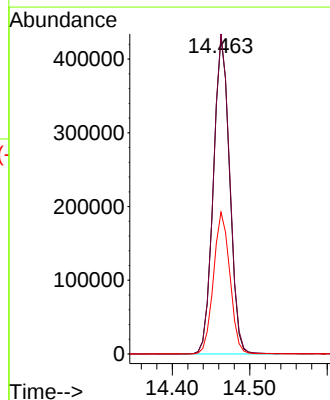
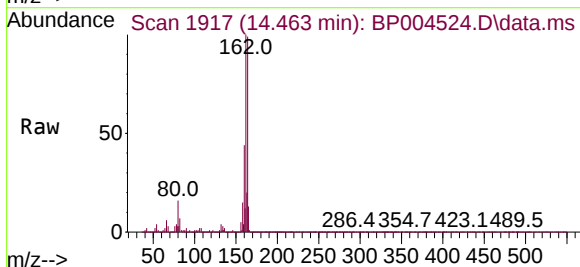
Instrument :
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ClientSampleId :
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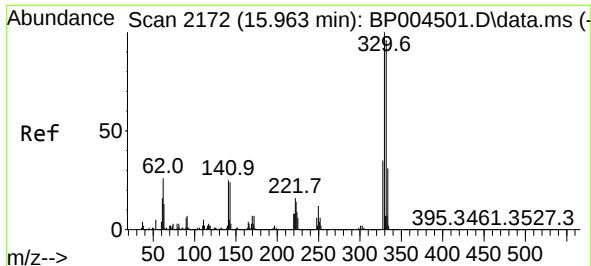
Tgt Ion: 82 Resp: 148925
Ion Ratio Lower Upper
82 100
128 47.8 45.6 68.4
54 41.2 30.1 45.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion: 164 Resp: 628120
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.2
160 44.7 36.1 54.1

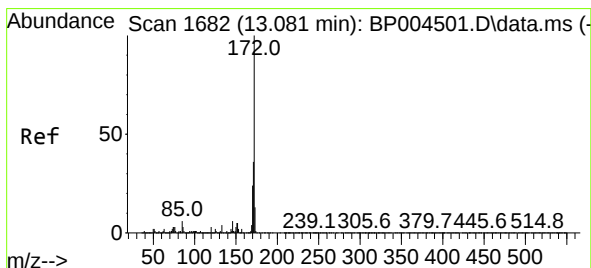
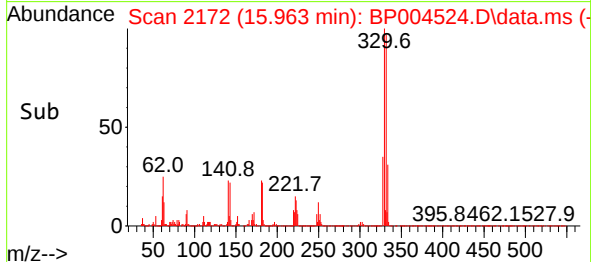
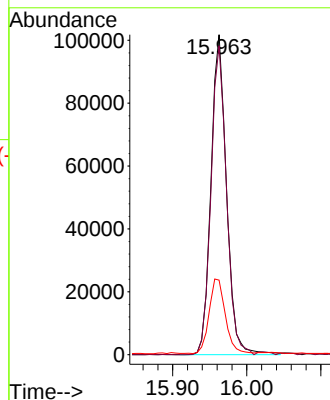
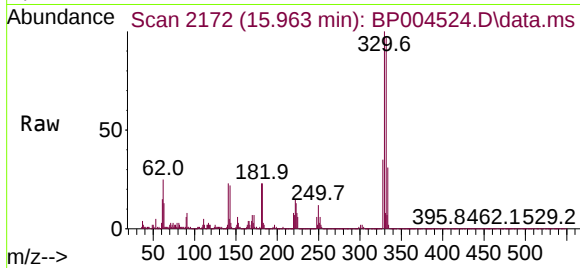




#42
2,4,6-Tribromophenol
Concen: 13.56 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

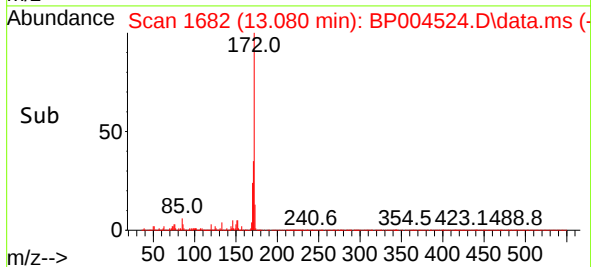
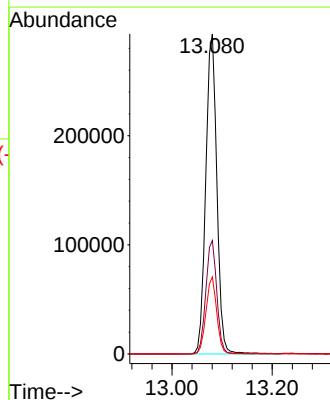
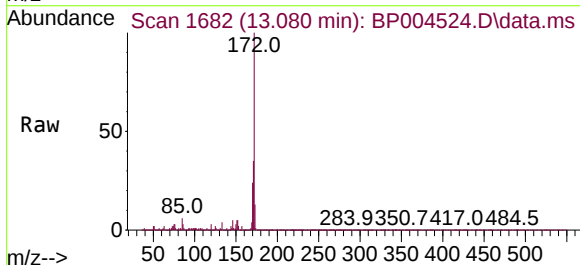
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ClientSampleId :
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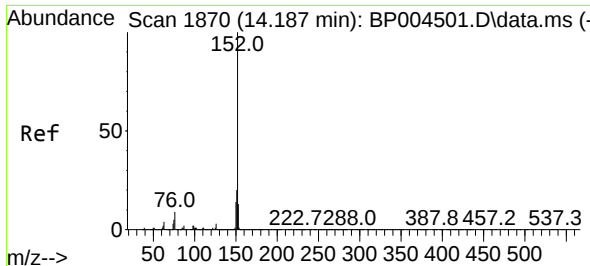
Tgt Ion: 330 Resp: 148054
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 24.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 9.34 ng
RT: 13.080 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion: 172 Resp: 451069
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.1 19.2 28.8

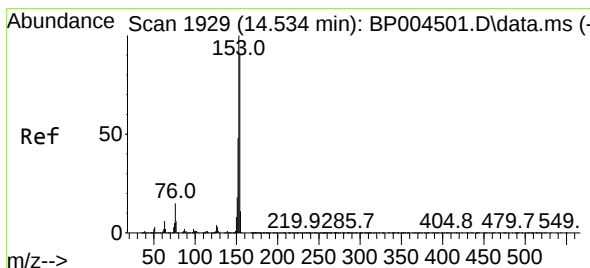
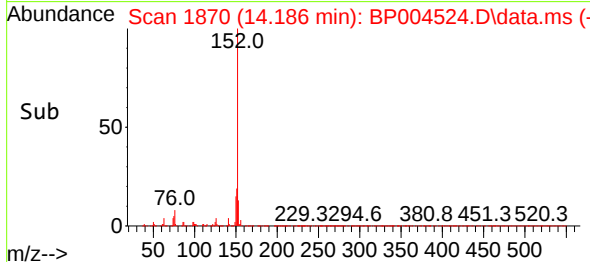
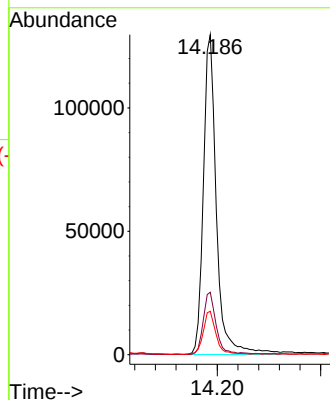
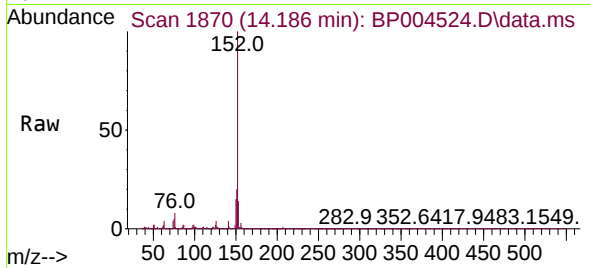




#49
Acenaphthylene
Concen: 3.64 ng
RT: 14.186 min Scan# 1870
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

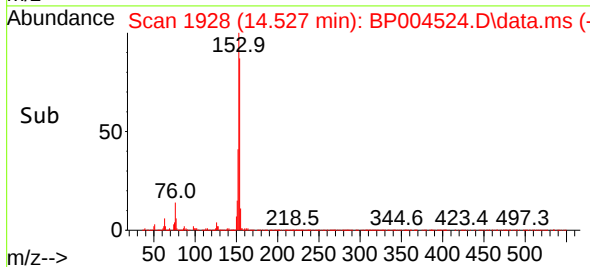
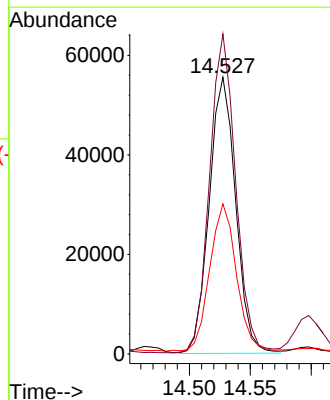
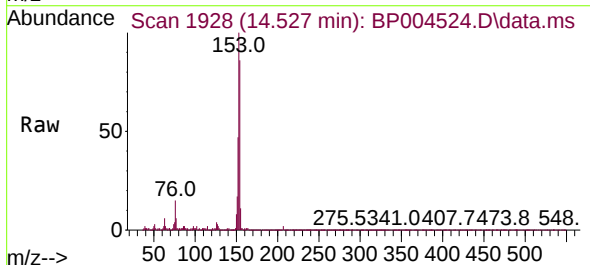
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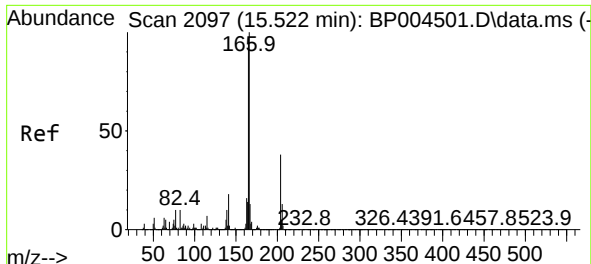
Tgt Ion:152 Resp: 226259
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.5 10.5 15.7



#52
Acenaphthene
Concen: 2.22 ng
RT: 14.527 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:154 Resp: 83881
Ion Ratio Lower Upper
154 100
153 115.7 91.0 136.6
152 54.3 43.0 64.6

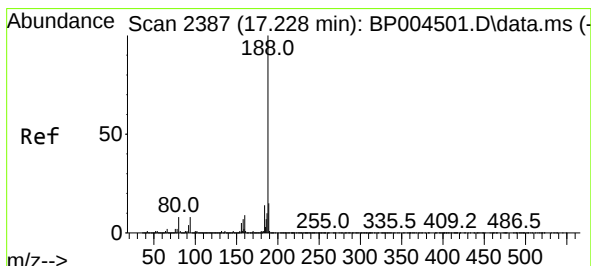
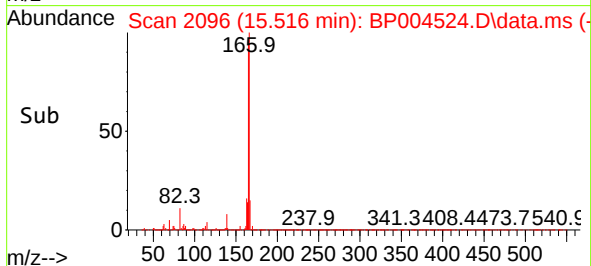
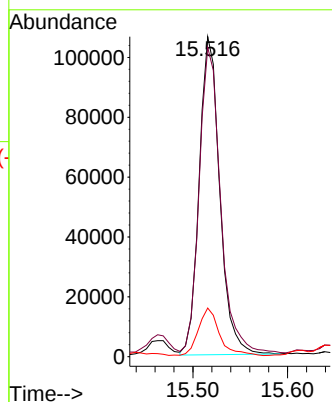
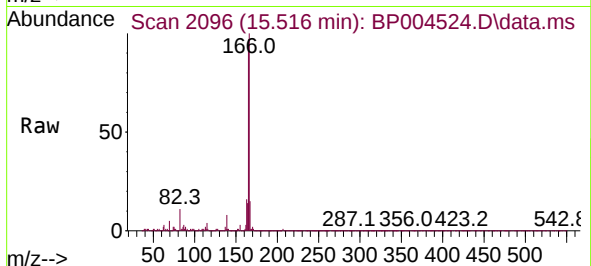




#58
Fluorene
Concen: 3.28 ng
RT: 15.516 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

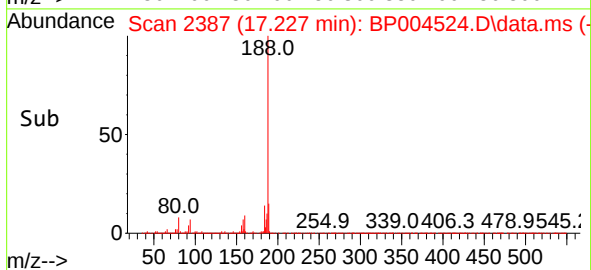
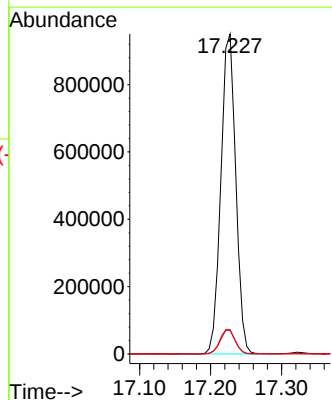
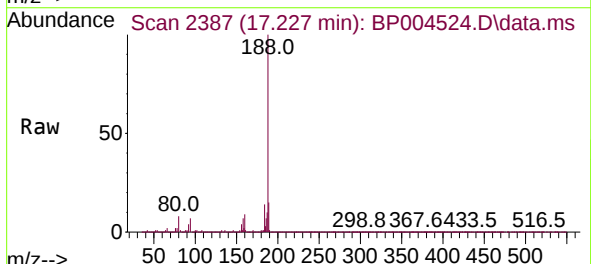
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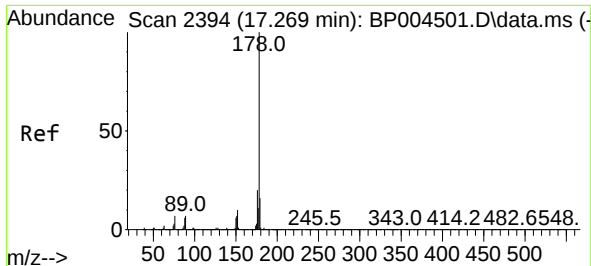
Tgt Ion:166 Resp: 160435
Ion Ratio Lower Upper
166 100
165 96.6 77.8 116.8
167 15.2 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.227 min Scan# 2387
Delta R.T. -0.001 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:188 Resp: 1375312
Ion Ratio Lower Upper
188 100
94 7.4 6.2 9.2
80 7.6 6.2 9.2

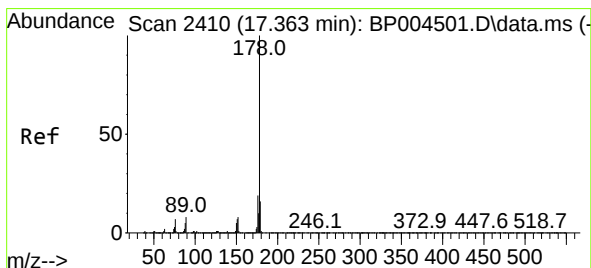
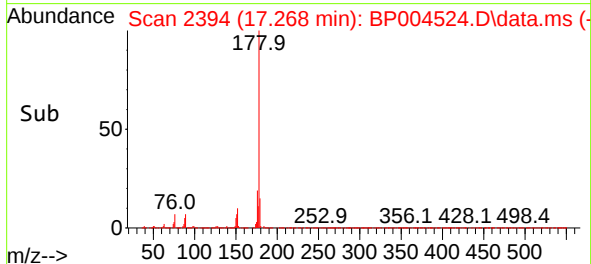
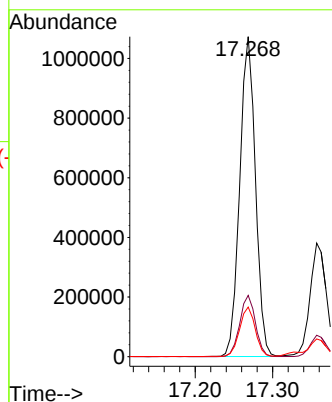
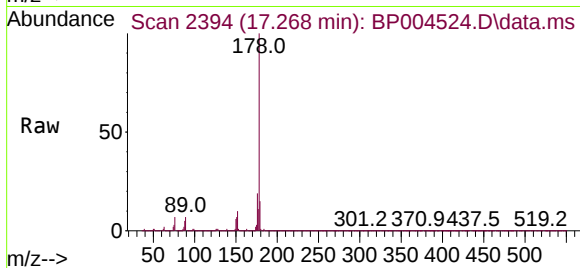




#71
Phenanthrene
Concen: 19.25 ng
RT: 17.268 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

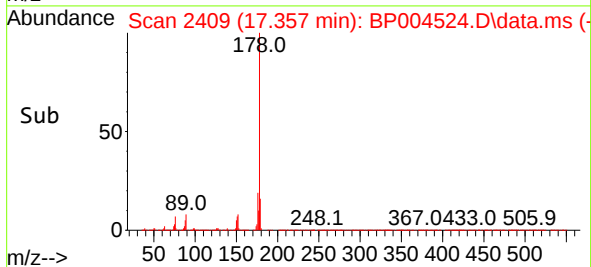
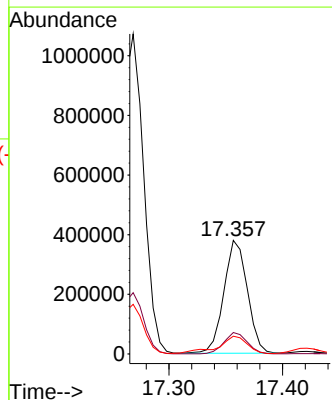
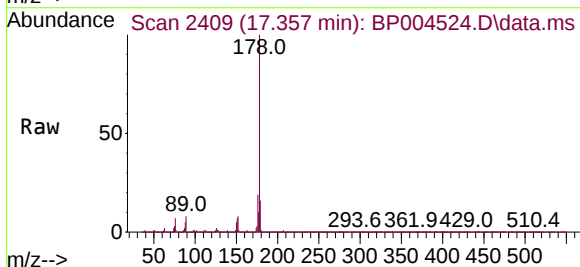
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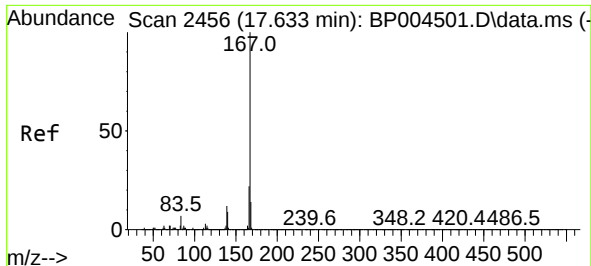
Tgt Ion:178 Resp: 1517639
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 7.14 ng
RT: 17.357 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:178 Resp: 545204
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.7 12.5 18.7

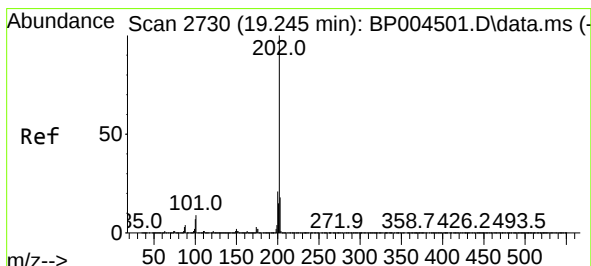
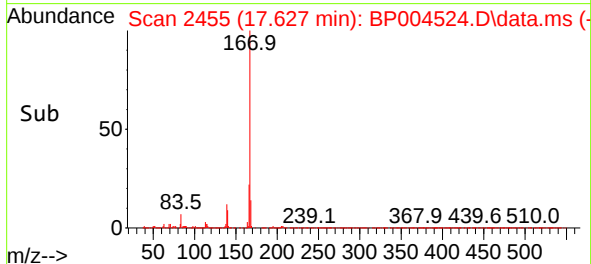
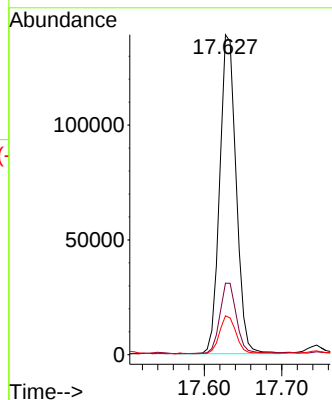
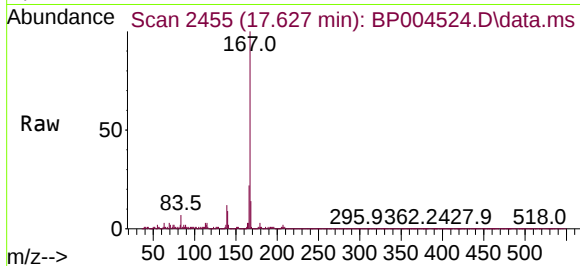




#73
 Carbazole
 Concen: 2.88 ng
 RT: 17.627 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BP004524.D
 Acq: 13 Jan 2021 02:09

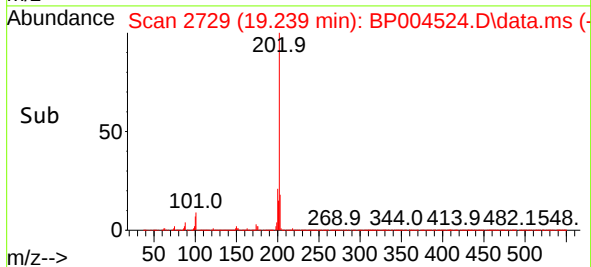
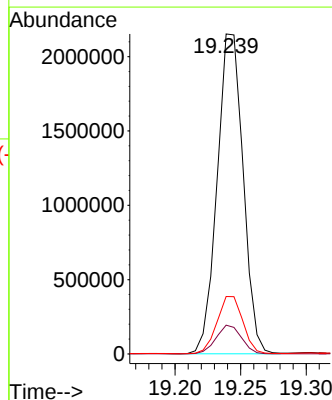
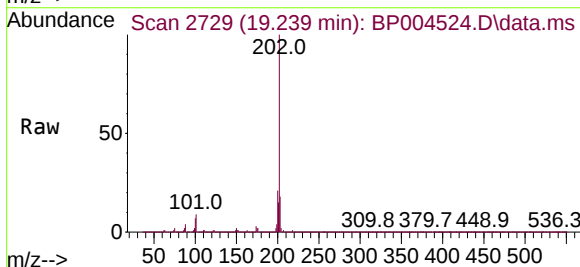
Instrument :
 BNA_P
 ClientSampleId :
 OR-03-011121

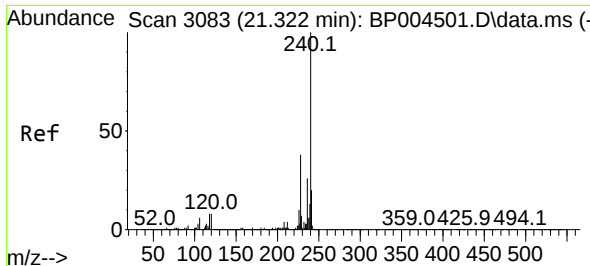
Tgt Ion:167	Resp:	205075
Ion Ratio	Lower	Upper
167	100	
166	22.4	17.6 26.4
139	12.2	10.2 15.4



#75
 Fluoranthene
 Concen: 30.89 ng
 RT: 19.239 min Scan# 2729
 Delta R.T. -0.006 min
 Lab File: BP004524.D
 Acq: 13 Jan 2021 02:09

Tgt Ion:202	Resp:	2963852
Ion Ratio	Lower	Upper
202	100	
101	9.0	0.0 29.4
203	17.9	0.0 37.8

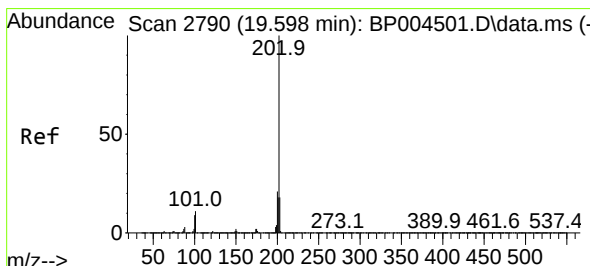
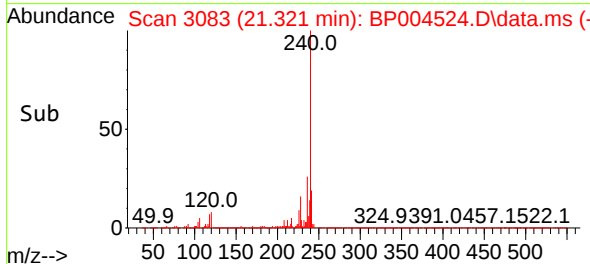
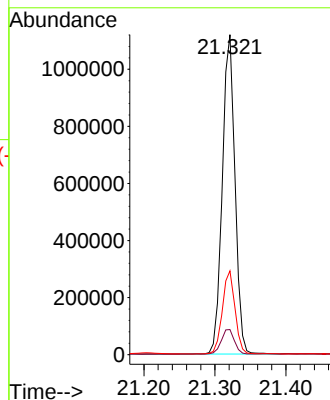
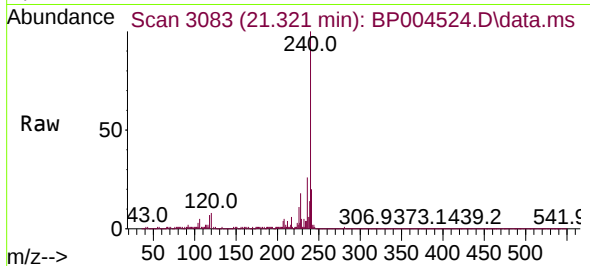




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.321 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

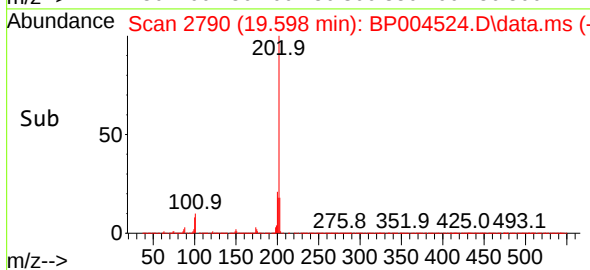
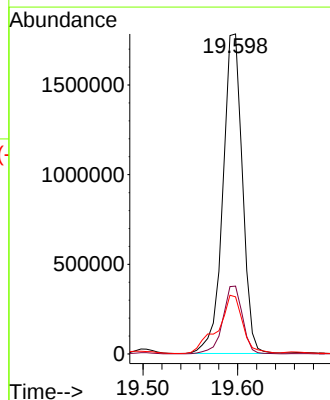
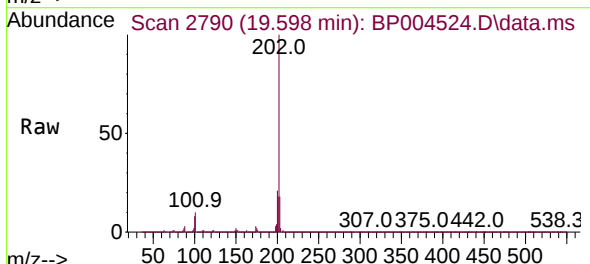
Instrument :
BNA_P
ClientSampleId :
OR-03-011121

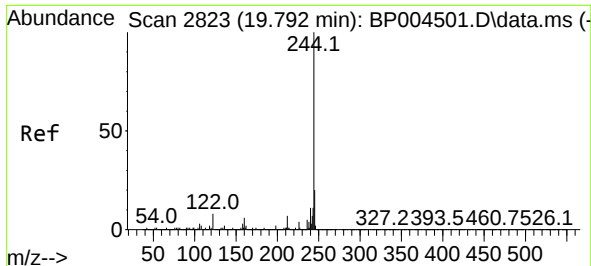
Tgt Ion:240 Resp: 1381445
Ion Ratio Lower Upper
240 100
120 7.8 7.8 11.6
236 26.2 20.8 31.2



#78
Pyrene
Concen: 27.20 ng
RT: 19.598 min Scan# 2790
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:202 Resp: 2556766
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.9 14.2 21.2

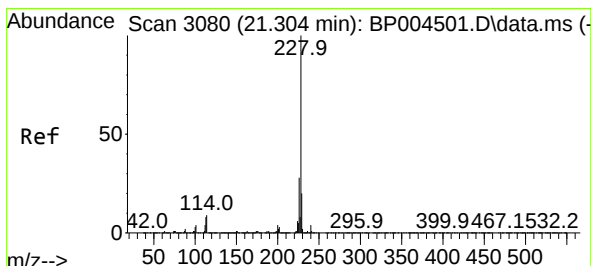
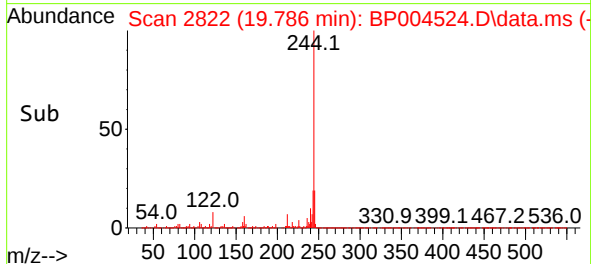
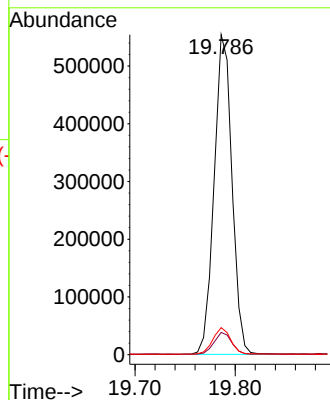
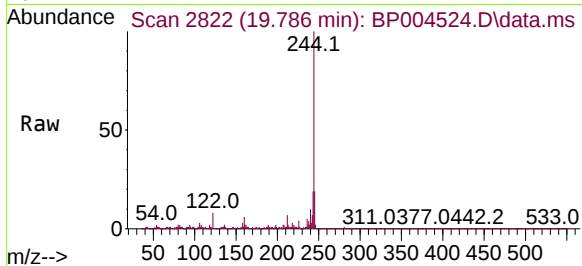




#79
 Terphenyl-d14
 Concen: 9.05 ng
 RT: 19.786 min Scan# 2822
 Delta R.T. -0.006 min
 Lab File: BP004524.D
 Acq: 13 Jan 2021 02:09

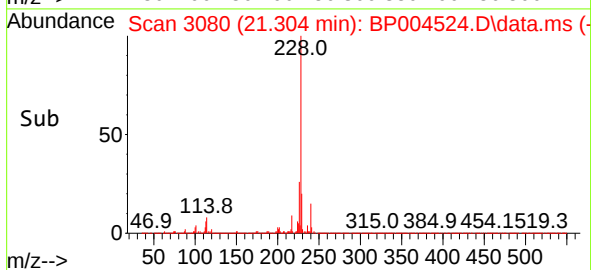
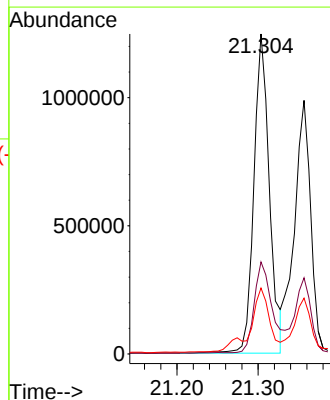
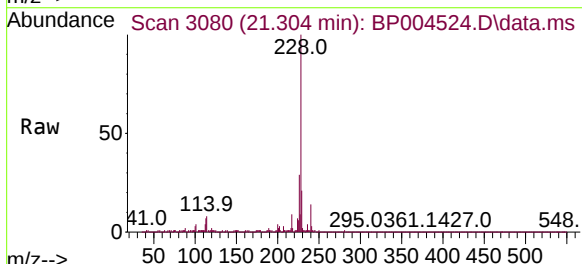
Instrument :
 BNA_P
 ClientSampleId :
 OR-03-011121

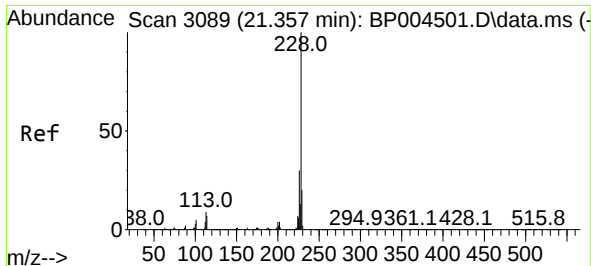
Tgt Ion:	244	Resp:	684546
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	8.4	7.8	11.8



#81
 Benzo(a)anthracene
 Concen: 17.61 ng
 RT: 21.304 min Scan# 3080
 Delta R.T. -0.000 min
 Lab File: BP004524.D
 Acq: 13 Jan 2021 02:09

Tgt Ion:	228	Resp:	1654975
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.1	33.1
229	20.6	15.9	23.9

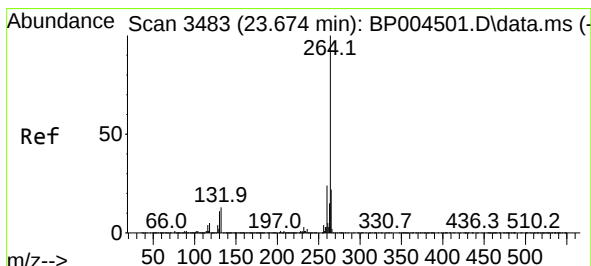
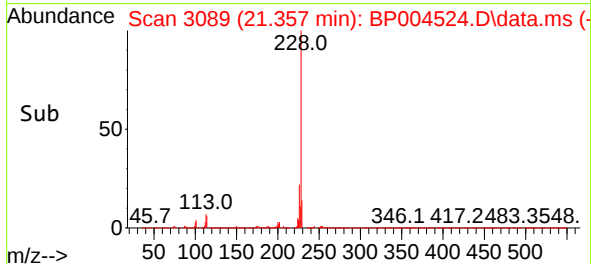
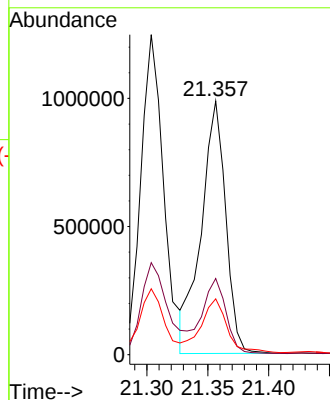
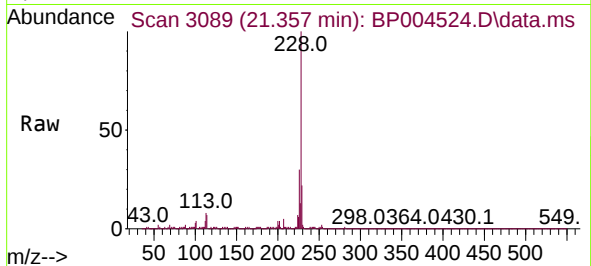




#83
Chrysene
Concen: 15.42 ng
RT: 21.357 min Scan# 3089
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

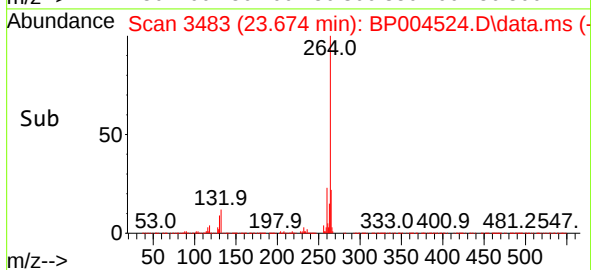
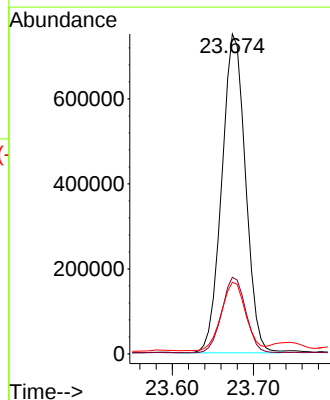
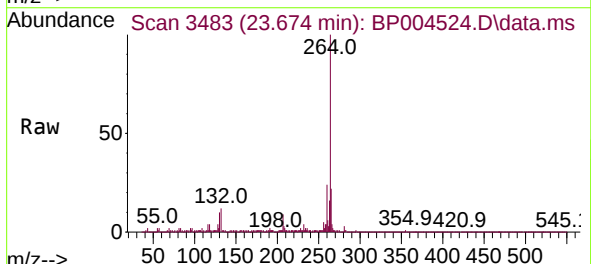
Instrument :
BNA_P
ClientSampleId :
OR-03-011121

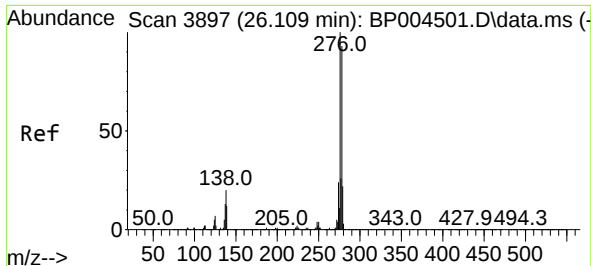
Tgt Ion:228 Resp: 1378835
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 22.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.674 min Scan# 3483
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:264 Resp: 1518396
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.4 17.4 26.2

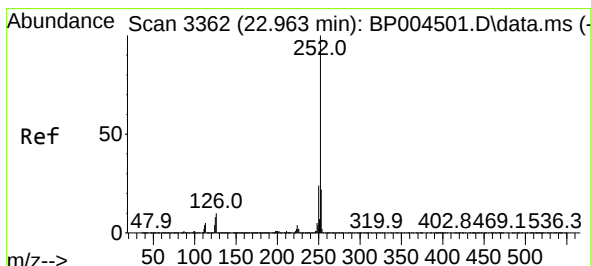
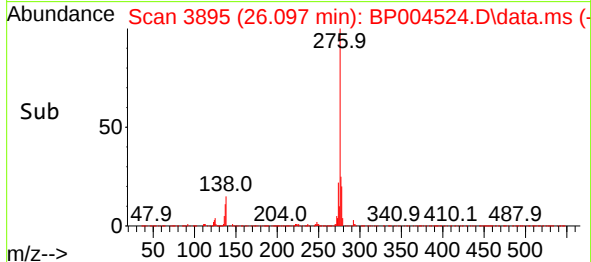
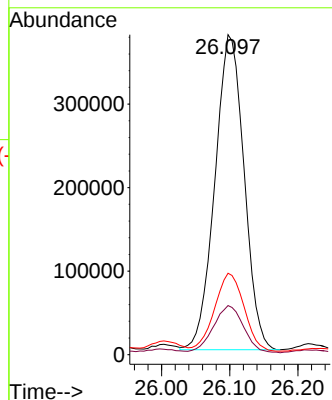
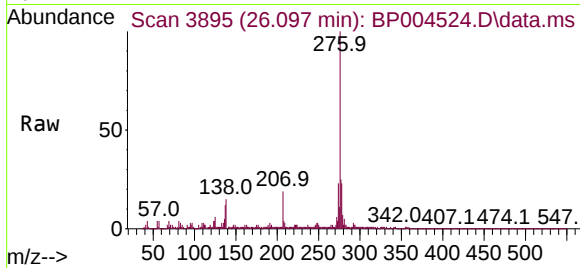




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.58 ng
RT: 26.097 min Scan# 3895
Delta R.T. -0.012 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

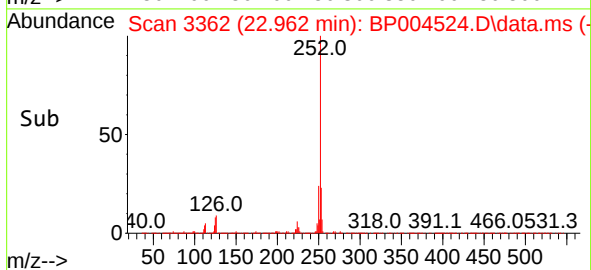
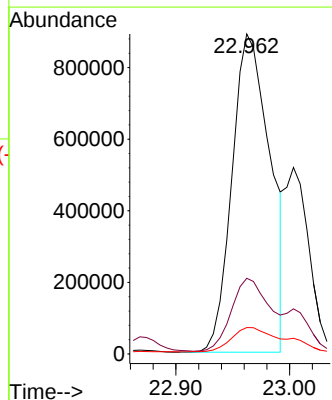
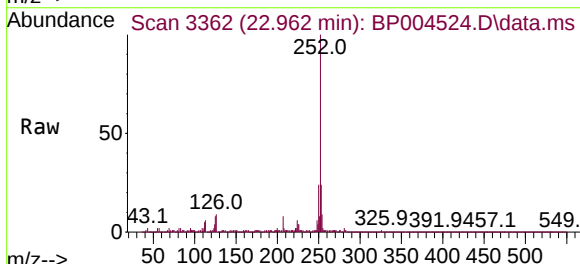
Instrument :
BNA_P
ClientSampleId :
OR-03-011121

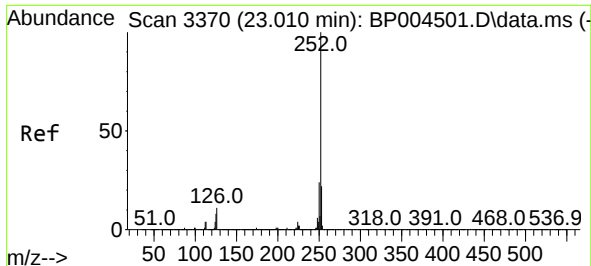
Tgt Ion:276 Resp: 1122915
Ion Ratio Lower Upper
276 100
138 15.4 18.7 28.1#
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 21.05 ng
RT: 22.962 min Scan# 3362
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:252 Resp: 2068732
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 8.3 7.3 10.9

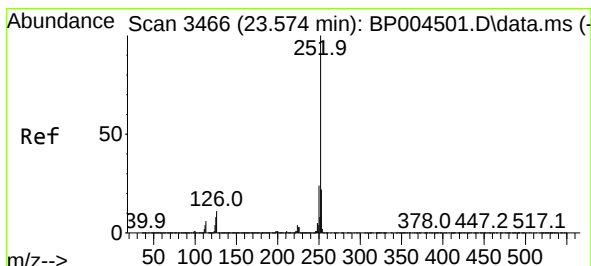
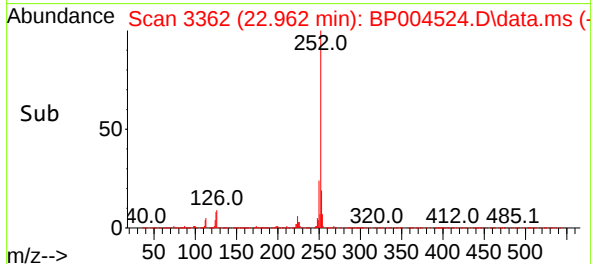
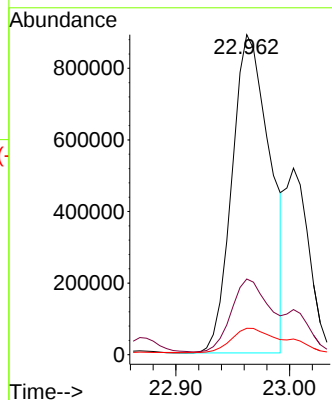
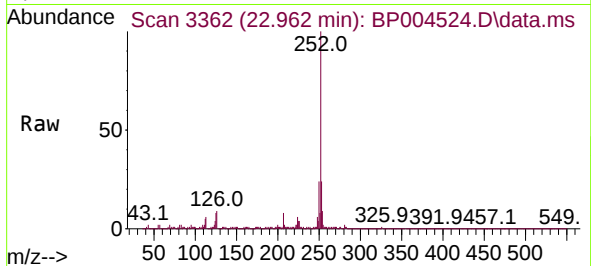




#89
Benzo(k)fluoranthene
Concen: 22.07 ng
RT: 22.962 min Scan# 3362
Delta R.T. -0.047 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

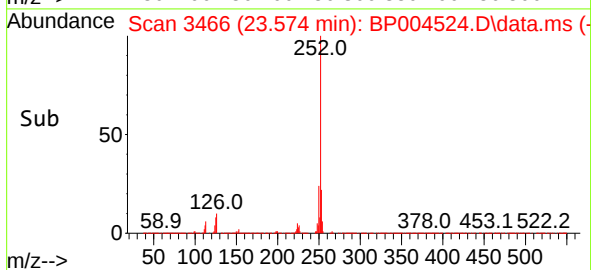
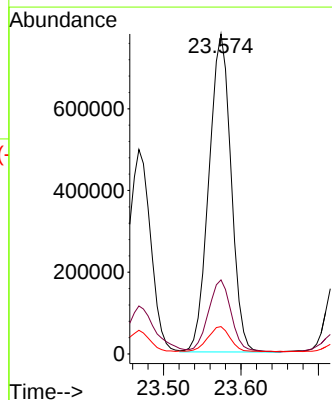
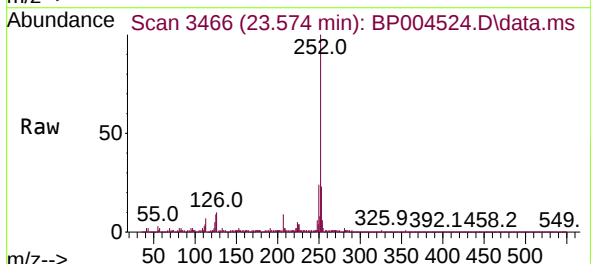
Instrument :
BNA_P
ClientSampleId :
OR-03-011121

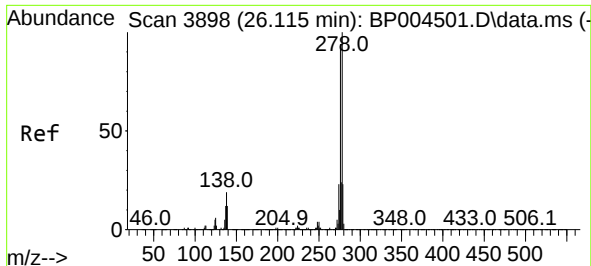
Tgt Ion:252 Resp: 2068732
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 8.3 7.4 11.2



#90
Benzo(a)pyrene
Concen: 16.84 ng
RT: 23.574 min Scan# 3466
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:252 Resp: 1544086
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 8.5 8.2 12.4

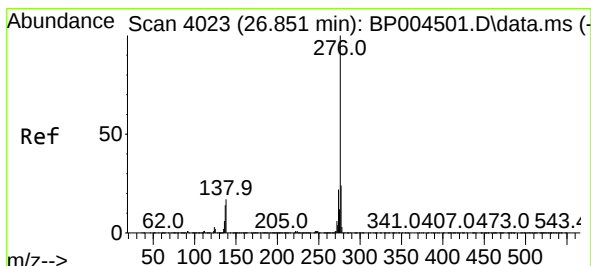
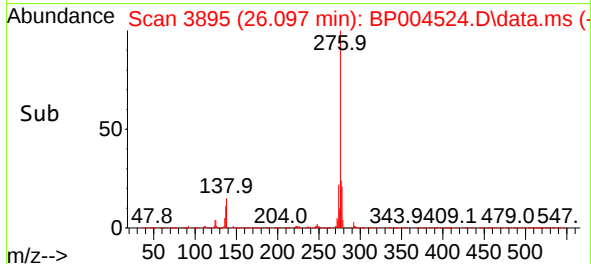
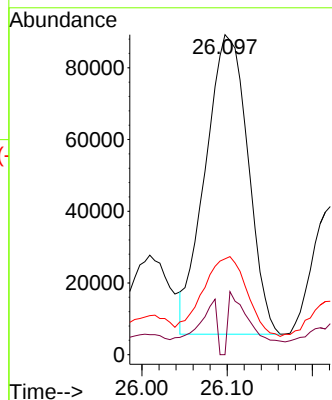
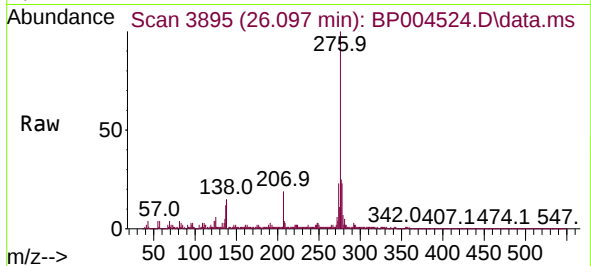




#91
Dibenzo(a,h)anthracene
Concen: 3.00 ng
RT: 26.097 min Scan# 3895
Delta R.T. -0.018 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Instrument :
BNA_P
ClientSampleId :
OR-03-011121

Tgt Ion:278 Resp: 290406
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 30.0 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 11.25 ng
RT: 26.850 min Scan# 4023
Delta R.T. -0.000 min
Lab File: BP004524.D
Acq: 13 Jan 2021 02:09

Tgt Ion:276 Resp: 1070827
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 15.0 16.6 24.8#

