

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082523\
 Data File : BP016741.D
 Acq On : 25 Aug 2023 10:54
 Operator : MA/JU
 Sample : 03968-34
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A48Q2

Quant Time: Aug 25 22:34:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 01:47:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	403796	20.000	ng/u1	0.00
20) Naphthalene-d8	10.863	136	1777064	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.687	164	1116508	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	2517155	20.000	ng/u1	0.00
79) Chrysene-d12	21.551	240	2303092	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	2000598	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	38348	3.925	ng/uL	0.00
4) Pyridine-d5	3.823	84	336983	11.287	ng/u1	0.00
7) Phenol-d5	7.175	99	570881	15.899	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.370	67	368422	16.099	ng/u1	0.00
11) 2-Chlorophenol-d4	7.552	132	432288	16.013	ng/u1	0.00
15) 4-Methylphenol-d8	8.740	113	411538	14.040	ng/u1	0.00
21) Nitrobenzene-d5	9.234	128	215869	16.066	ng/u1	0.00
24) 2-Nitrophenol-d4	9.946	143	232640	16.426	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.469	165	407046	15.416	ng/u1	0.00
31) 4-Chloroaniline-d4	11.022	131	447946	11.063	ng/u1	0.00
46) Dimethylphthalate-d6	14.099	166	1385637	16.456	ng/u1	0.00
49) Acenaphthylene-d8	14.387	160	1556234	16.350	ng/u1	0.00
54) 4-Nitrophenol-d4	14.887	143	191344	10.995	ng/u1	-0.01
60) Fluorene-d10	15.681	176	1241855	17.514	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.804	200	160448	10.703	ng/u1	0.00
73) Anthracene-d10	17.557	188	1815122	16.268	ng/u1	0.00
81) Pyrene-d10	19.792	212	2463059	19.472	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.957	264	1904729	19.007	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.881	105	157835	3.473	ng/u1	97
19) Hexachloroethane	9.111	117	17547	1.528	ng/u1	98
30) Naphthalene	10.916	128	231347	2.513	ng/u1	99
36) 2-Methylnaphthalene	12.516	142	104943	1.652	ng/u1	99
37) 1-Methylnaphthalene	12.734	142	79811	1.246	ng/u1	94
52) Acenaphthene	14.751	153	425038	5.897	ng/u1	100
56) Dibenzofuran	15.087	168	371423	3.756	ng/u1	100
61) Fluorene	15.740	166	442613	5.351	ng/u1	100
69) Hexachlorobenzene	16.716	284	36445	1.349	ng/u1	99
72) Phenanthrene	17.498	178	4855896	36.644	ng/u1	100
74) Anthracene	17.592	178	1244377	9.287	ng/u1	100
77) Carbazole	17.869	167	638494	5.291	ng/u1	100
78) Di-n-butylphthalate	18.381	149	268689	1.785	ng/u1	99
80) Fluoranthene	19.463	202	4764159	31.354	ng/u1	100
82) Pyrene	19.822	202	4190046	26.696	ng/u1	99
83) Butylbenzylphthalate	20.675	149	110243	1.629	ng/u1	94
85) Benzo(a)anthracene	21.533	228	2225984	14.032	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.410	149	175777	1.778	ng/u1	96
87) Chrysene	21.592	228	2009427	13.944	ng/u1	97
89) Di-n-octyl phthalate	22.392	149	281916	1.871	ng/u1	100
90) Benzo(b)fluoranthene	23.322	252	1733018	13.565	ng/u1	97
91) Benzo(k)fluoranthene	23.375	252	869322	6.880	ng/u1	99
93) Benzo(a)pyrene	24.010	252	1339168	11.589	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.857	276	751059	6.361	ng/u1	98

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 25 01:47:30 2023
Response via : Initial Calibration

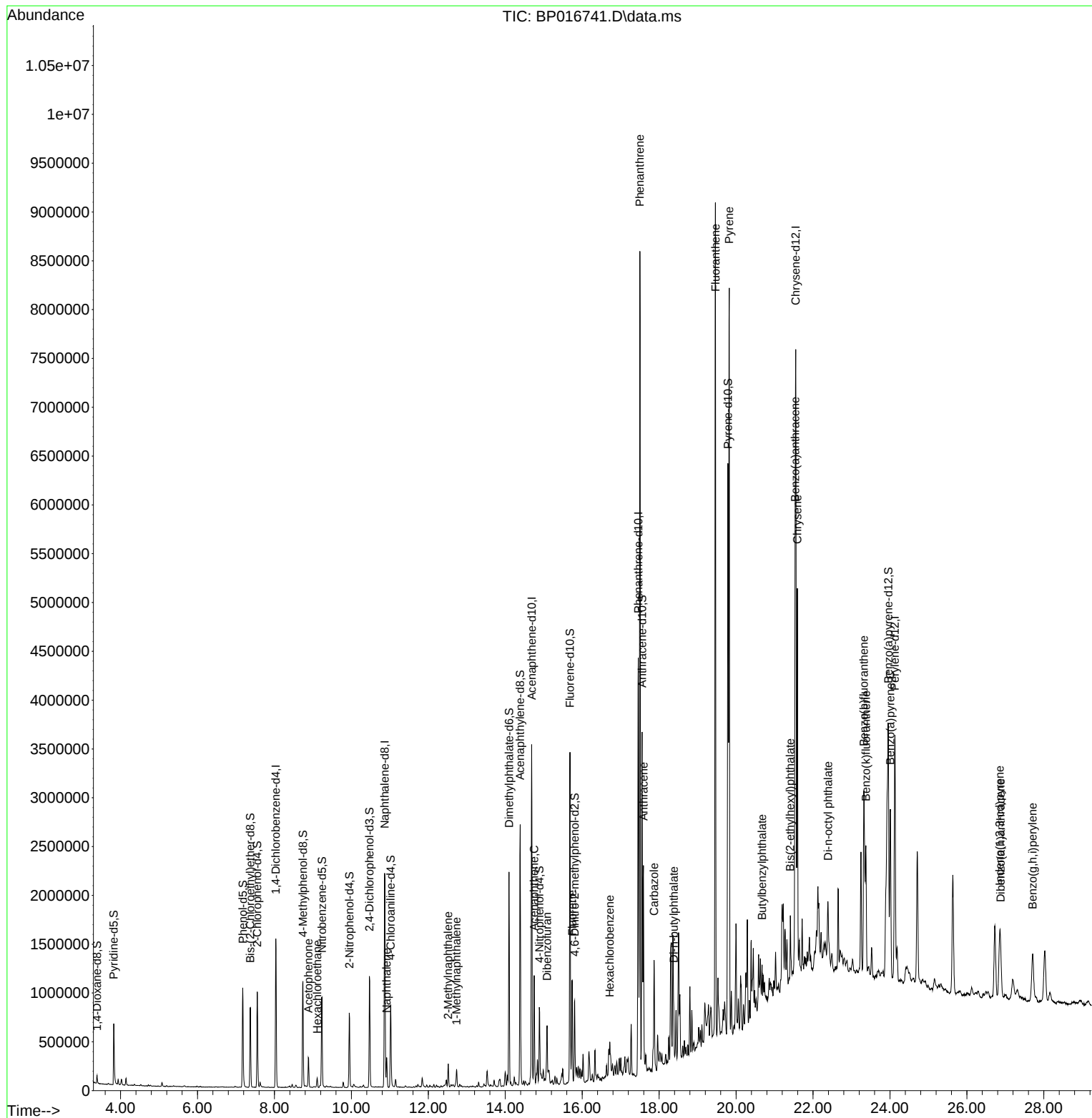
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	26.880	278	383031	3.905	ng/ul	98
96) Benzo(g,h,i)perylene	27.710	276	661145	7.385	ng/ul	100

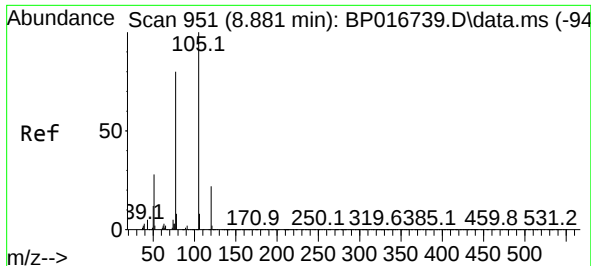
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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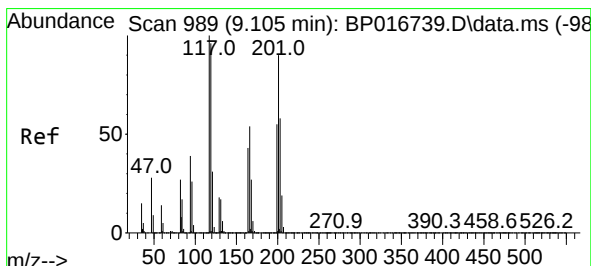
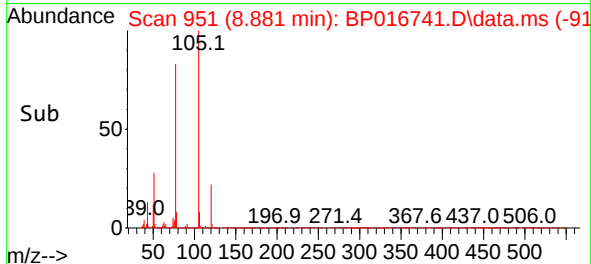
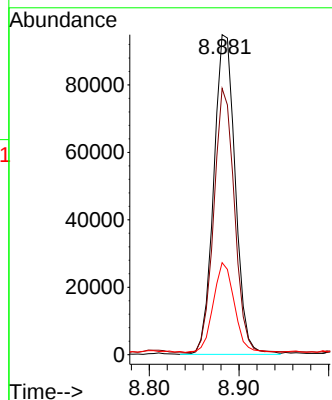
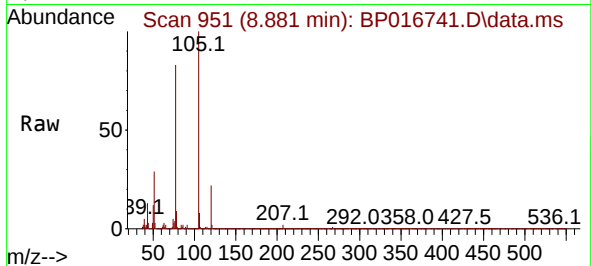




#16
Acetophenone
Concen: 3.473 ng/ul
RT: 8.881 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

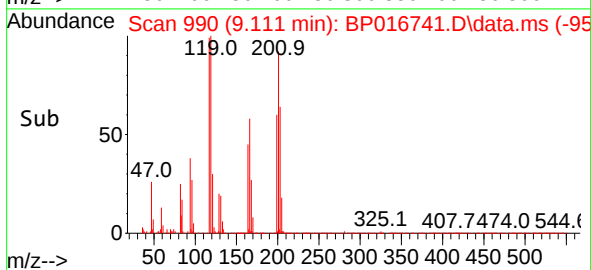
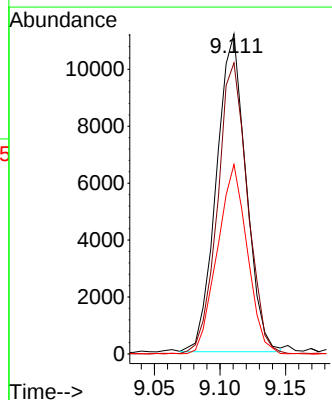
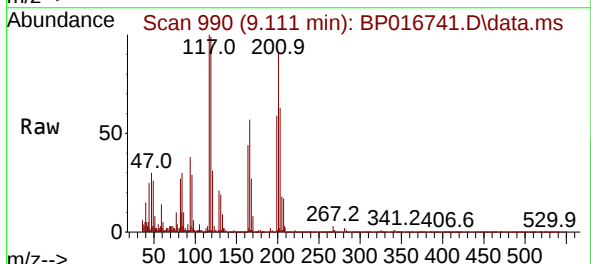
Instrument :
BNA_P
ClientSampleId :
A48Q2

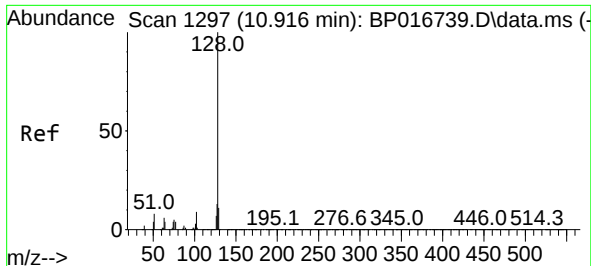
Tgt Ion:105 Resp: 157835
Ion Ratio Lower Upper
105 100
77 83.2 64.2 96.4
51 28.8 22.2 33.4



#19
Hexachloroethane
Concen: 1.528 ng/ul
RT: 9.111 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

Tgt Ion:117 Resp: 17547
Ion Ratio Lower Upper
117 100
201 91.0 75.4 113.2
199 59.2 47.8 71.6

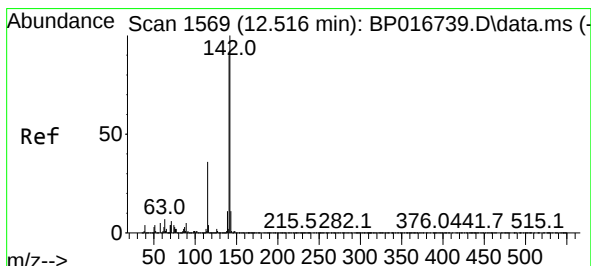
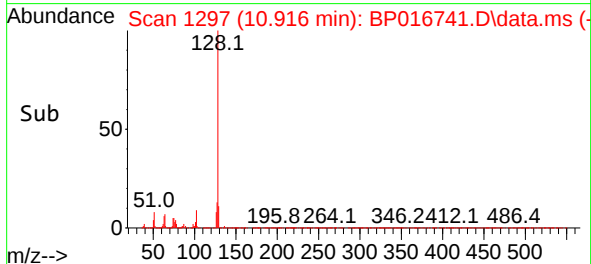
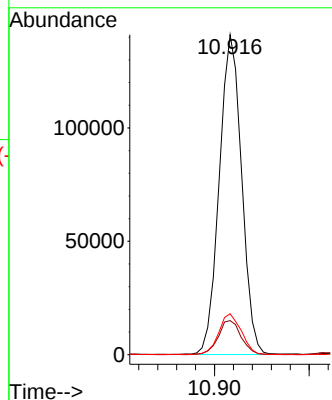
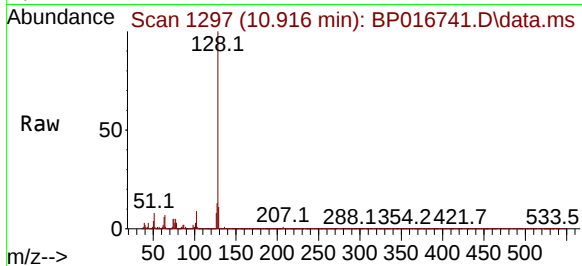




#30
Naphthalene
Concen: 2.513 ng/ul
RT: 10.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

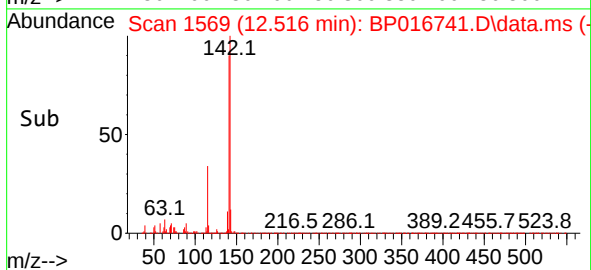
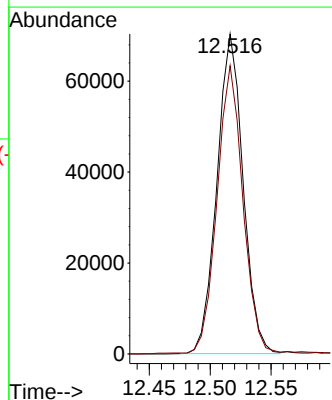
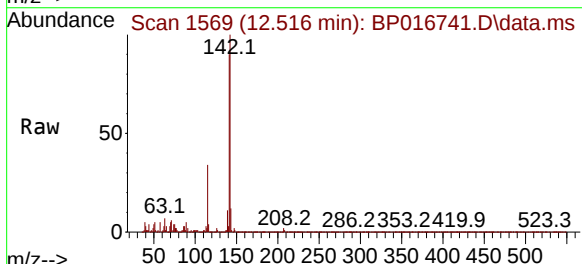
Instrument :
BNA_P
ClientSampleId :
A48Q2

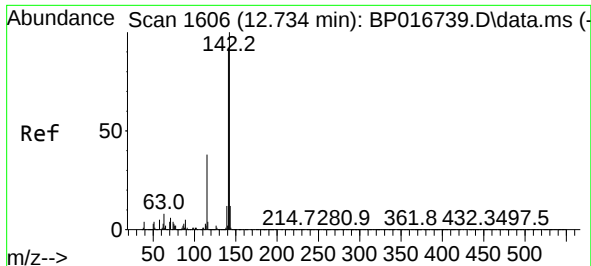
Tgt Ion:128 Resp: 231347
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.3 15.5



#36
2-Methylnaphthalene
Concen: 1.652 ng/ul
RT: 12.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

Tgt Ion:142 Resp: 104943
Ion Ratio Lower Upper
142 100
141 90.0 71.4 107.0

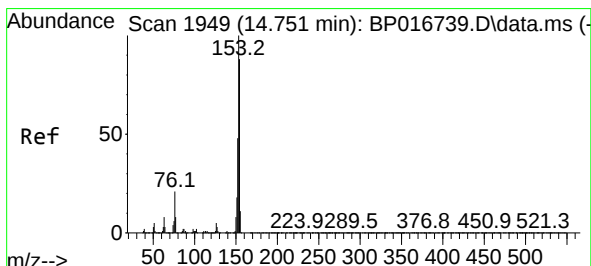
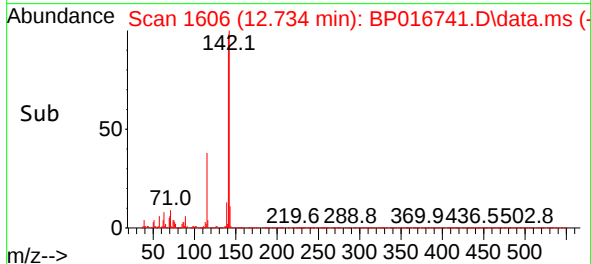
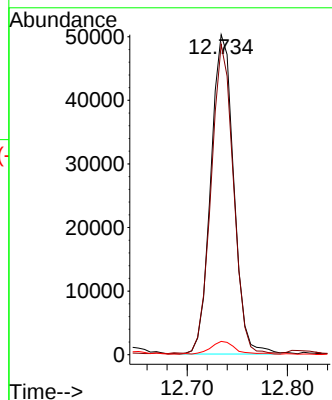
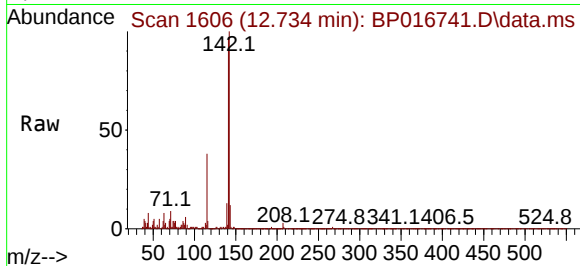




#37
1-Methylnaphthalene
Concen: 1.246 ng/ul
RT: 12.734 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

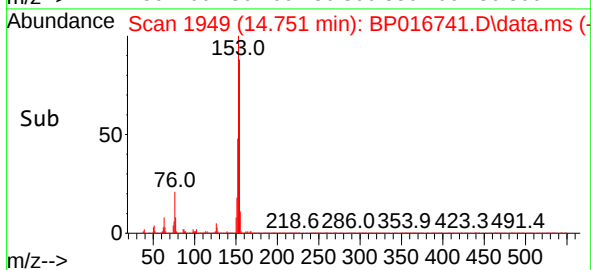
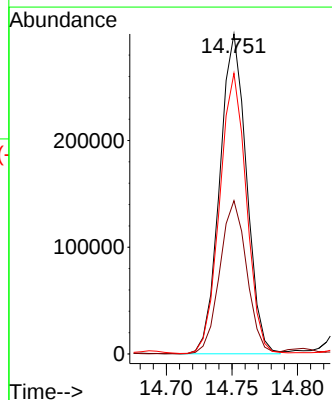
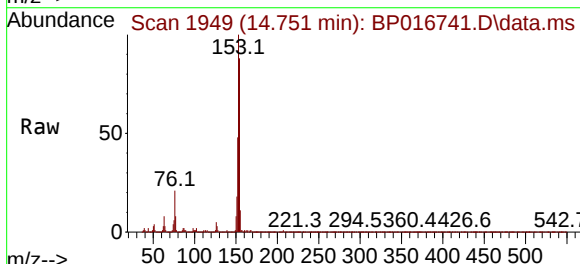
Instrument :
BNA_P
ClientSampleId :
A48Q2

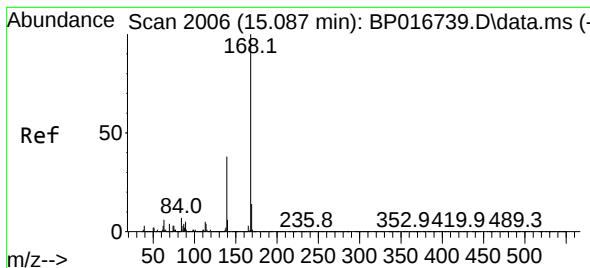
Tgt Ion:142 Resp: 79811
Ion Ratio Lower Upper
142 100
141 97.0 73.0 109.4
116 4.1 3.1 4.7



#52
Acenaphthene
Concen: 5.897 ng/ul
RT: 14.751 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

Tgt Ion:153 Resp: 425038
Ion Ratio Lower Upper
153 100
152 47.9 38.5 57.7
154 87.7 70.6 105.8





#56

Dibenzenofuran

Concen: 3.756 ng/ul

RT: 15.087 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

Instrument :

BNA_P

ClientSampleId :

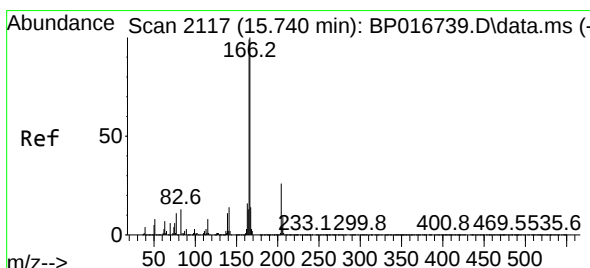
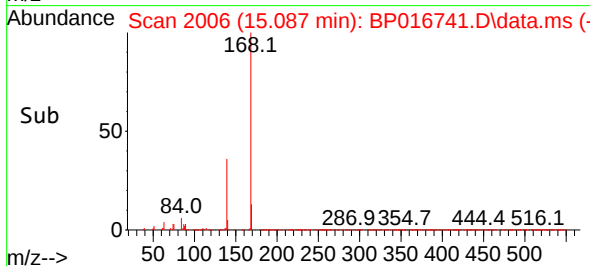
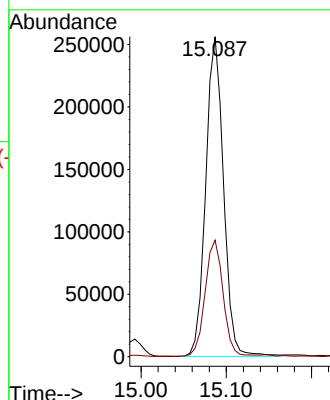
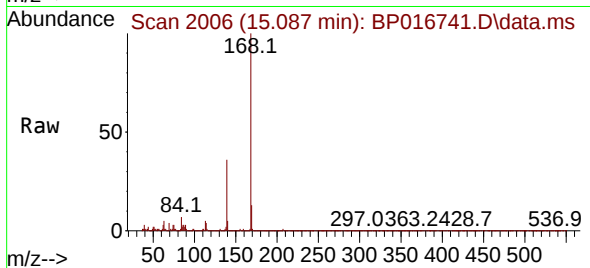
A48Q2

Tgt Ion:168 Resp: 371423

Ion Ratio Lower Upper

168 100

139 36.4 29.2 43.8



#61

Fluorene

Concen: 5.351 ng/ul

RT: 15.740 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

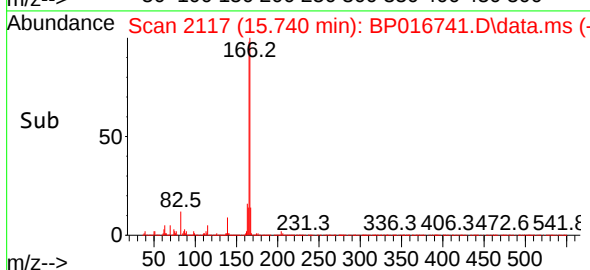
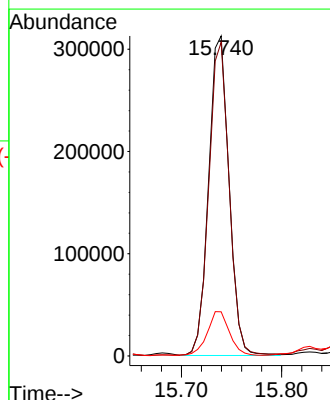
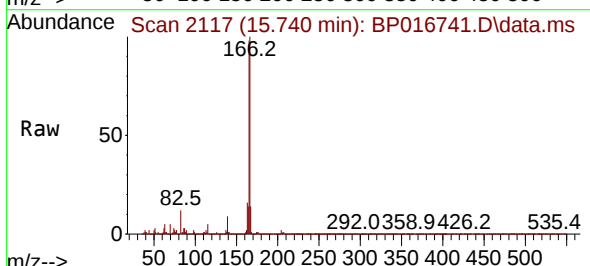
Tgt Ion:166 Resp: 442613

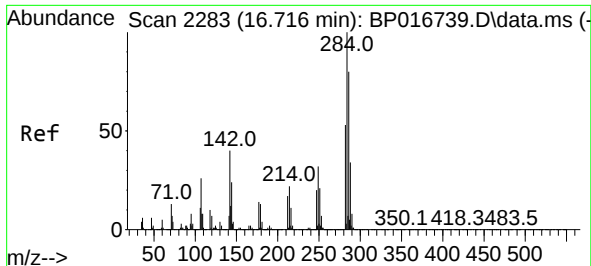
Ion Ratio Lower Upper

166 100

165 98.1 78.8 118.2

167 13.8 10.9 16.3

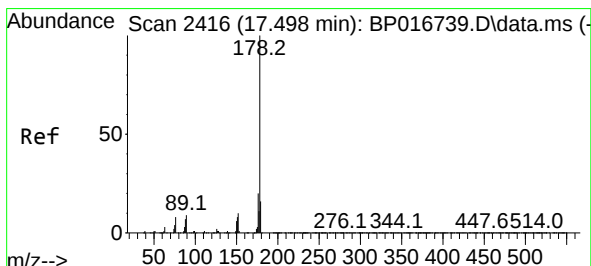
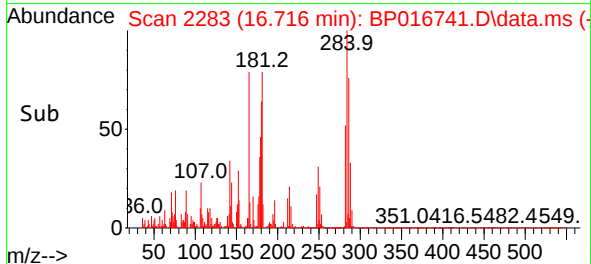
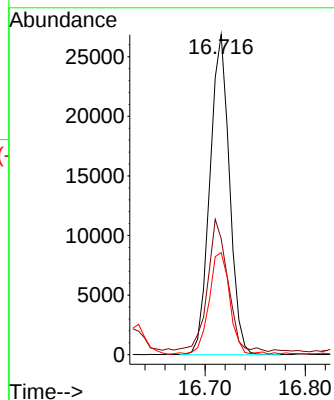
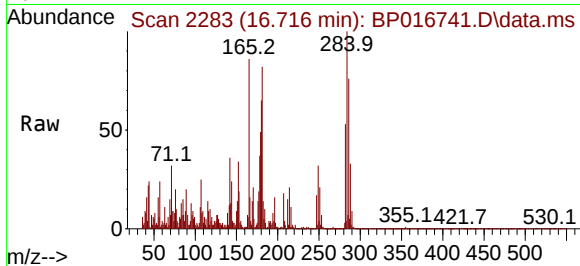




#69
Hexachlorobenzene
Concen: 1.349 ng/ul
RT: 16.716 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

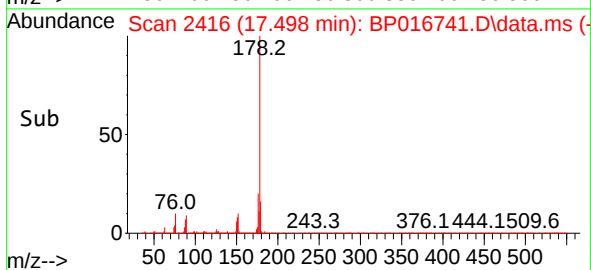
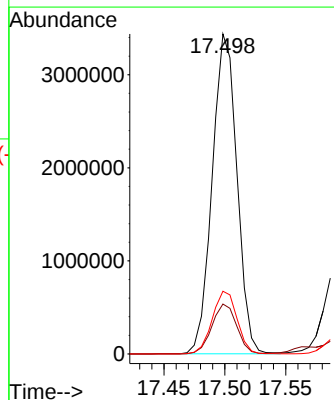
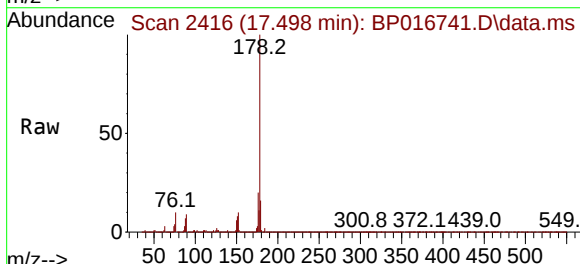
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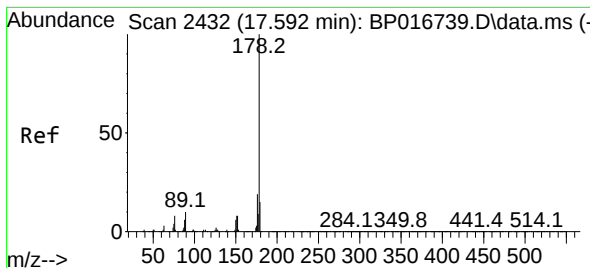
Tgt Ion:284	Resp:	36445
Ion Ratio	Lower	Upper
284	100	
142	36.2	29.8 44.8
249	31.9	25.9 38.9



#72
Phenanthrene
Concen: 36.644 ng/ul
RT: 17.498 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

Tgt Ion:178	Resp:	4855896
Ion Ratio	Lower	Upper
178	100	
179	15.6	12.4 18.6
176	19.6	15.6 23.4





#74

Anthracene

Concen: 9.287 ng/ul

RT: 17.592 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

Instrument :

BNA_P

ClientSampleId :

A48Q2

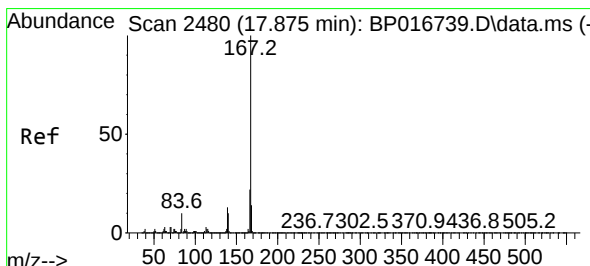
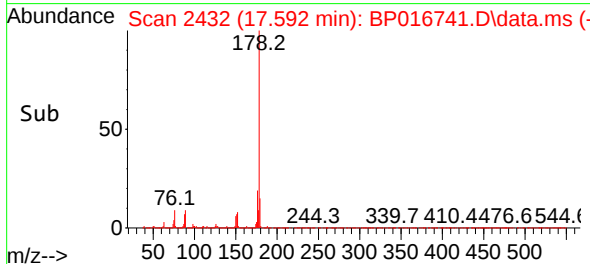
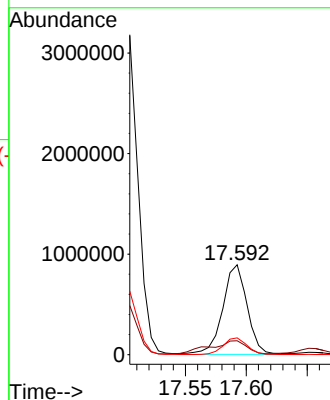
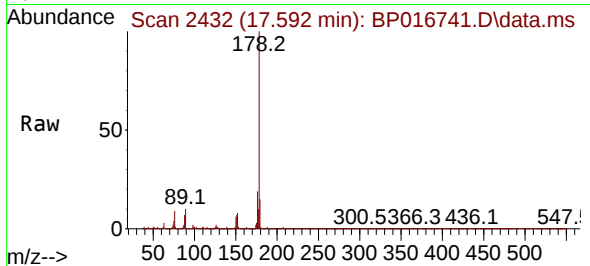
Tgt Ion:178 Resp: 1244377

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 18.7 15.3 22.9



#77

Carbazole

Concen: 5.291 ng/ul

RT: 17.869 min Scan# 2479

Delta R.T. -0.006 min

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Acq: 25 Aug 2023 10:54

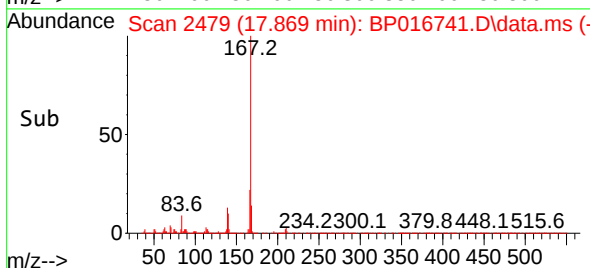
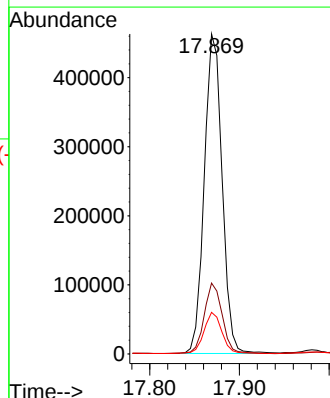
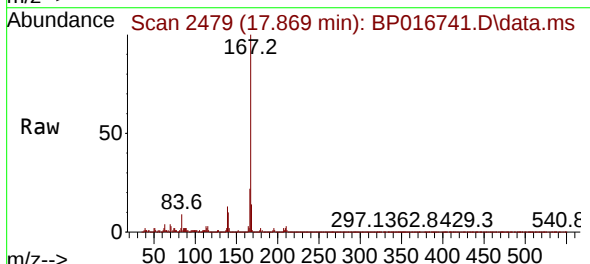
Tgt Ion:167 Resp: 638494

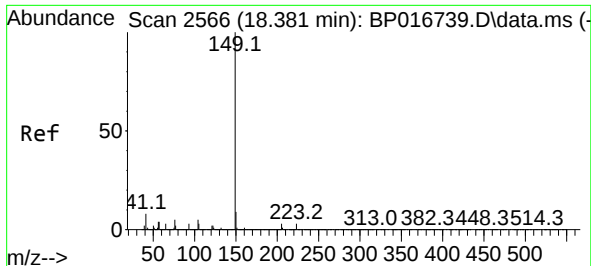
Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.2

139 13.0 10.4 15.6

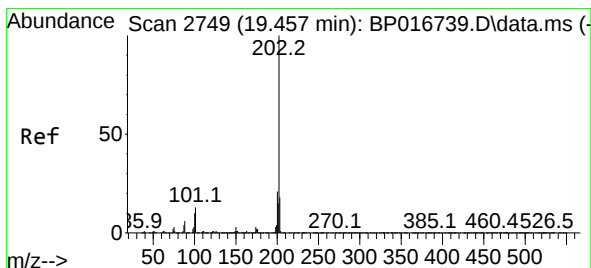
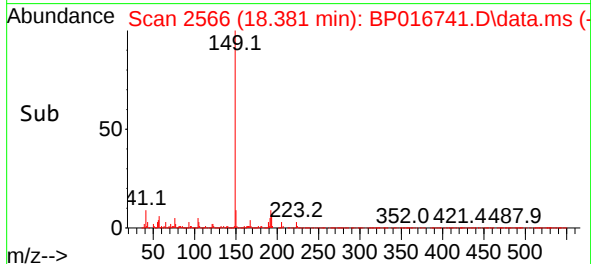
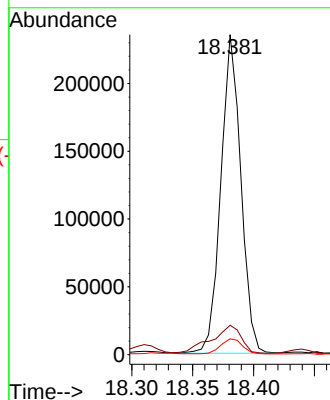
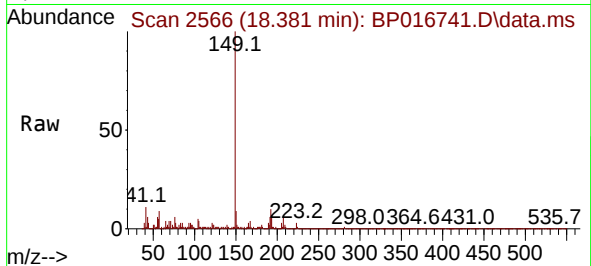




#78
Di-n-butylphthalate
Concen: 1.785 ng/ul
RT: 18.381 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

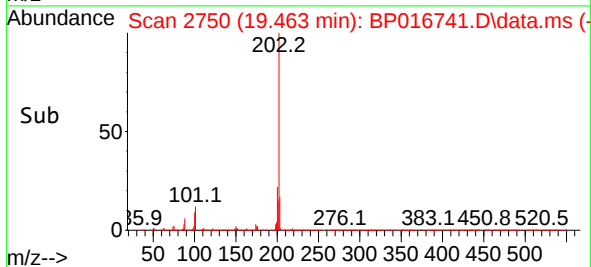
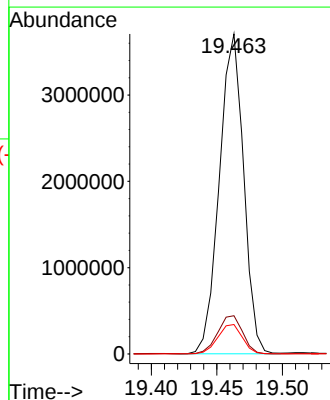
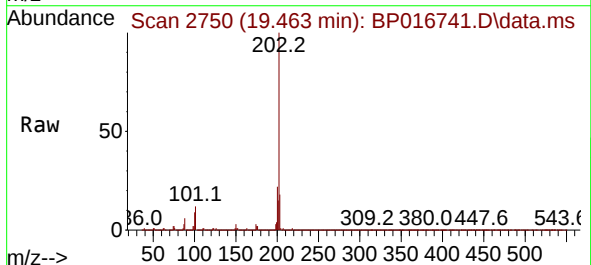
Instrument :
BNA_P
ClientSampleId :
A48Q2

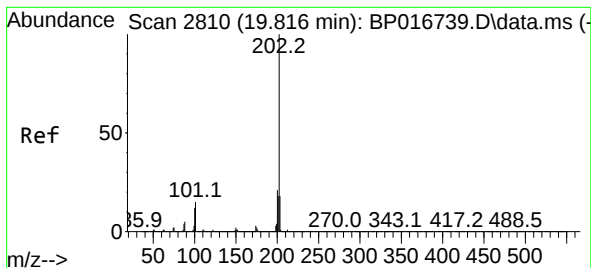
Tgt Ion:149 Resp: 268689
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 4.9 4.1 6.1



#80
Fluoranthene
Concen: 31.354 ng/ul
RT: 19.463 min Scan# 2750
Delta R.T. 0.000 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

Tgt Ion:202 Resp: 4764159
Ion Ratio Lower Upper
202 100
101 12.0 9.7 14.5
100 9.2 7.4 11.2





#82

Pyrene

Concen: 26.696 ng/ul

RT: 19.822 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

Instrument :

BNA_P

ClientSampleId :

A48Q2

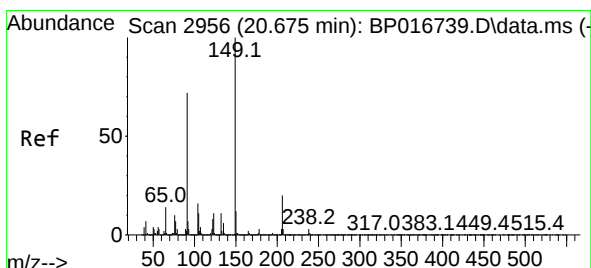
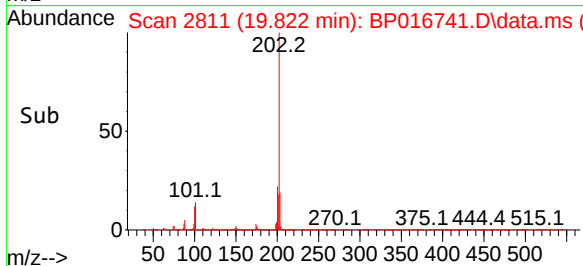
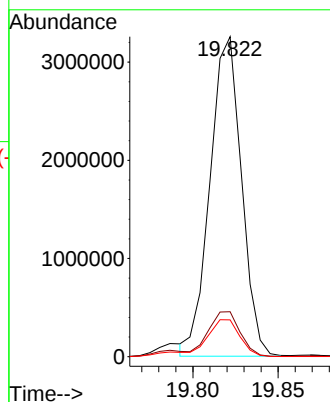
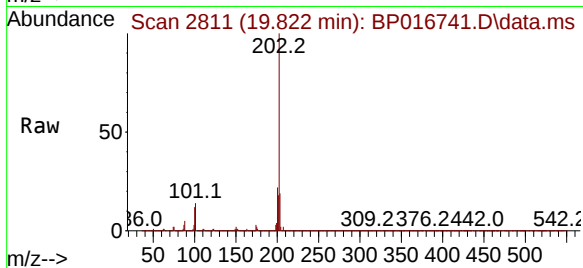
Tgt Ion:202 Resp: 4190046

Ion Ratio Lower Upper

202 100

101 14.0 11.4 17.2

100 11.5 9.4 14.2



#83

Butylbenzylphthalate

Concen: 1.629 ng/ul

RT: 20.675 min Scan# 2956

Delta R.T. 0.000 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

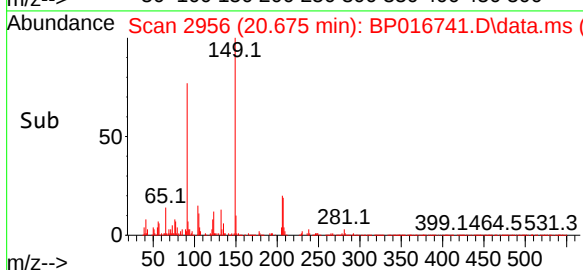
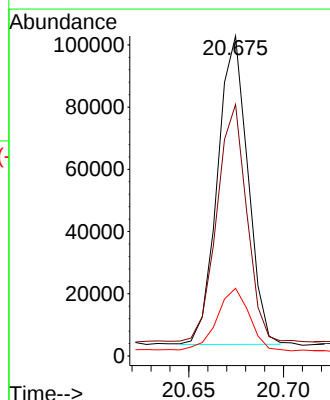
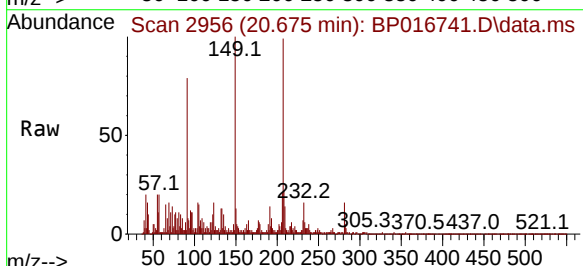
Tgt Ion:149 Resp: 110243

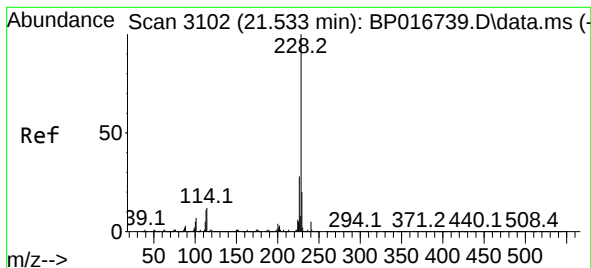
Ion Ratio Lower Upper

149 100

91 78.6 58.5 87.7

206 21.2 16.1 24.1





#85

Benzo(a)anthracene

Concen: 14.032 ng/ul

RT: 21.533 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

Instrument :

BNA_P

ClientSampleId :

A48Q2

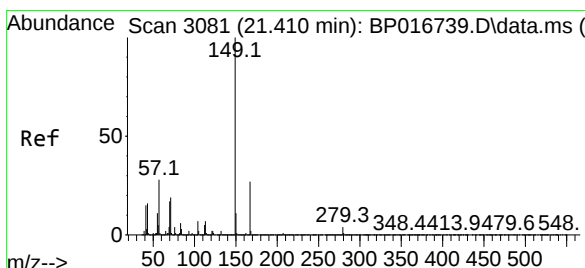
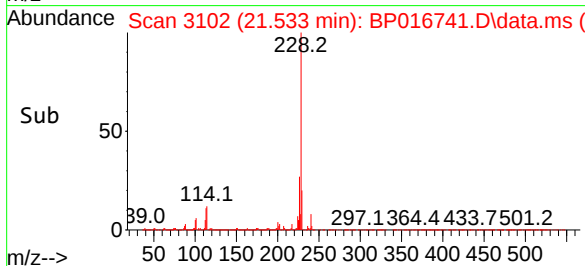
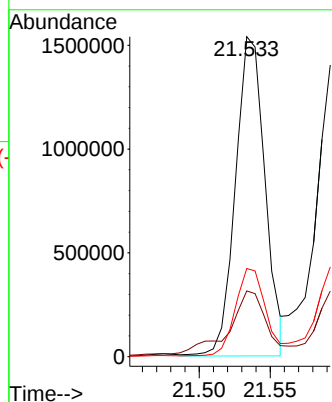
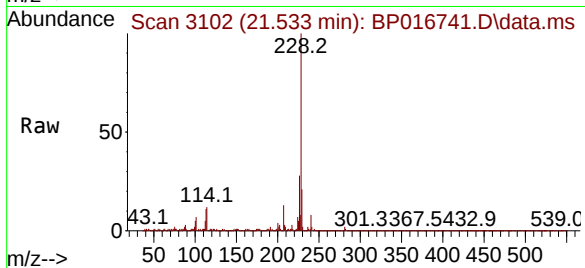
Tgt Ion:228 Resp: 2225984

Ion Ratio Lower Upper

228 100

229 20.5 16.2 24.4

226 27.5 22.9 34.3



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.778 ng/ul

RT: 21.410 min Scan# 3081

Delta R.T. 0.000 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

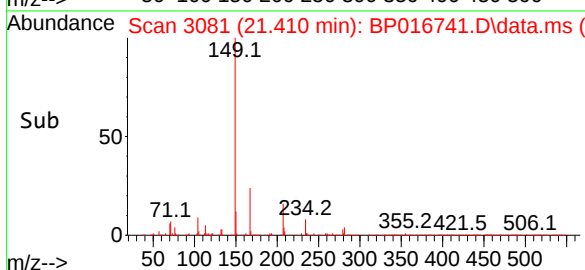
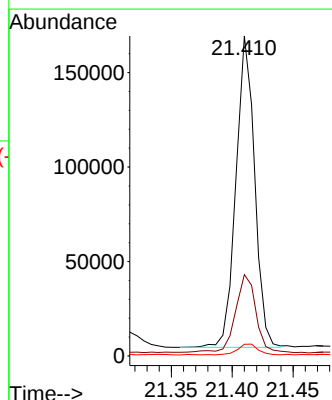
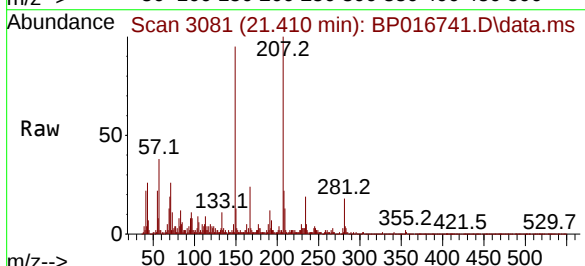
Tgt Ion:149 Resp: 175777

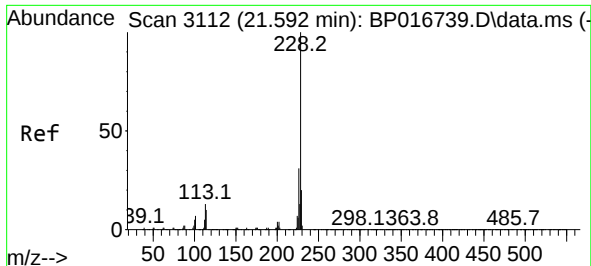
Ion Ratio Lower Upper

149 100

167 25.4 22.1 33.1

279 3.7 3.0 4.4

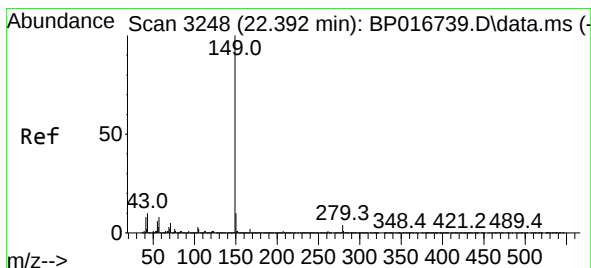
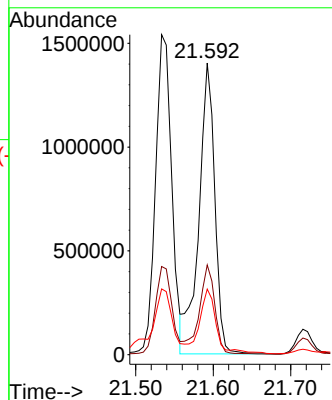
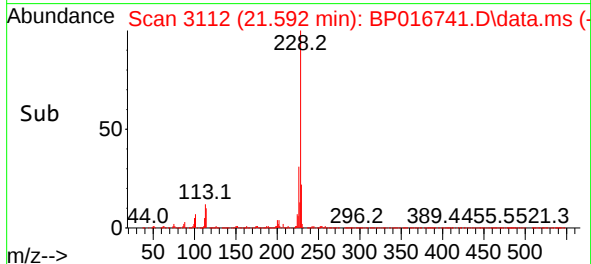
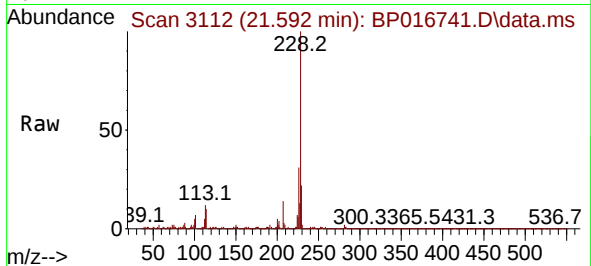




#87
Chrysene
Concen: 13.944 ng/ul
RT: 21.592 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

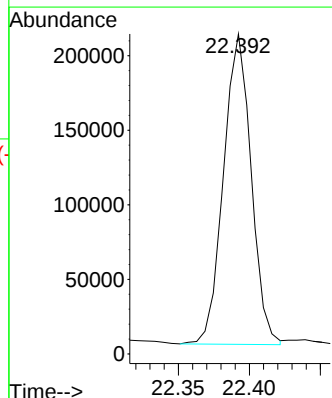
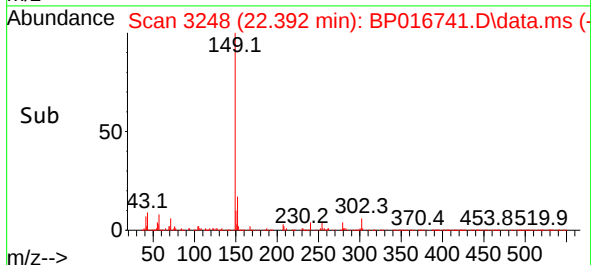
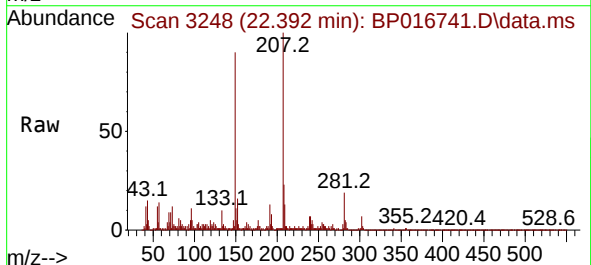
Instrument :
BNA_P
ClientSampleId :
A48Q2

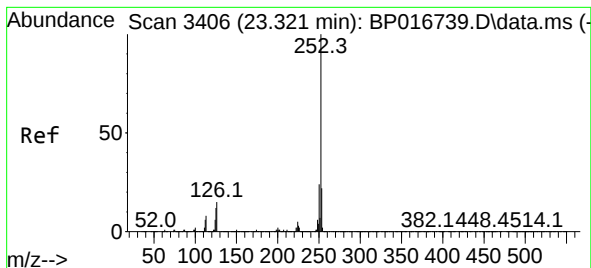
Tgt Ion:228 Resp: 2009427
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.4
229 22.5 16.0 24.0



#89
Di-n-octyl phthalate
Concen: 1.871 ng/ul
RT: 22.392 min Scan# 3248
Delta R.T. -0.006 min
Lab File: BP016741.D
Acq: 25 Aug 2023 10:54

Tgt Ion:149 Resp: 281916





#90

Benzo(b)fluoranthene

Concen: 13.565 ng/ul

RT: 23.322 min Scan# 3406

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

Instrument :

BNA_P

ClientSampleId :

A48Q2

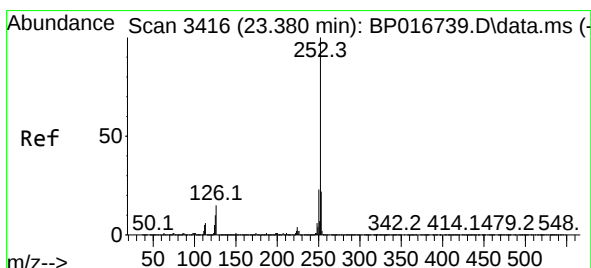
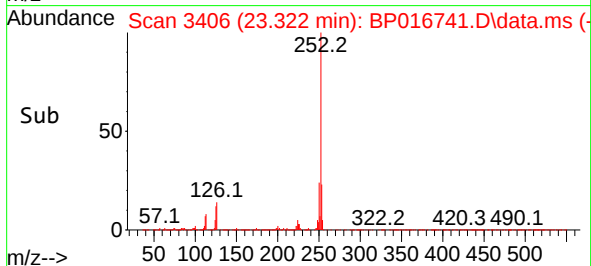
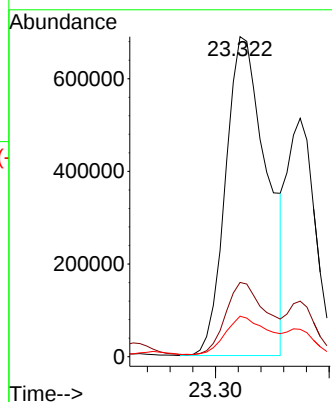
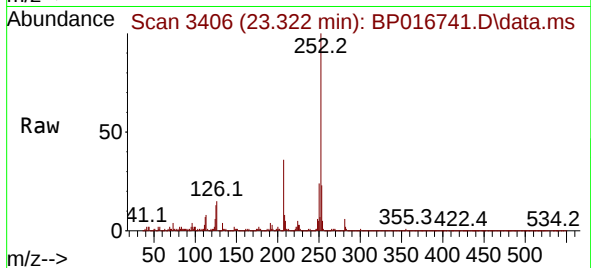
Tgt Ion:252 Resp: 1733018

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 12.7 9.0 13.4



#91

Benzo(k)fluoranthene

Concen: 6.880 ng/ul

RT: 23.375 min Scan# 3415

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

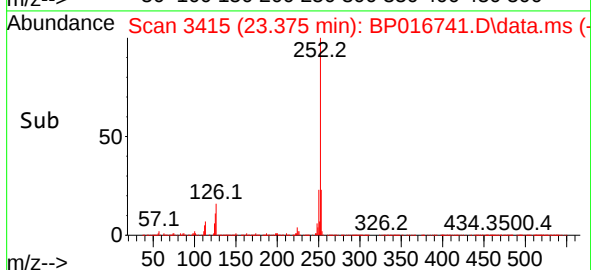
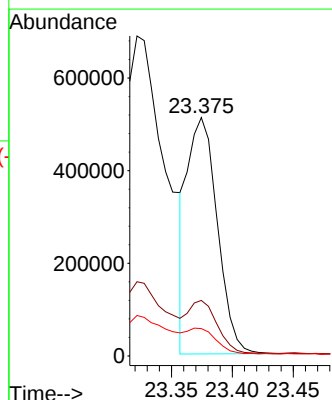
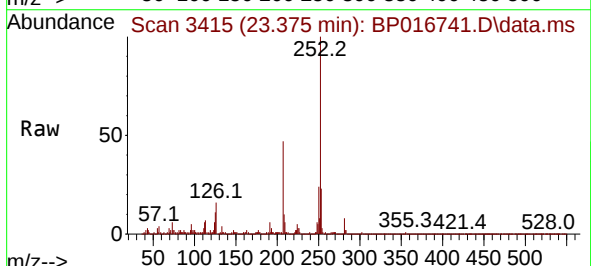
Tgt Ion:252 Resp: 869322

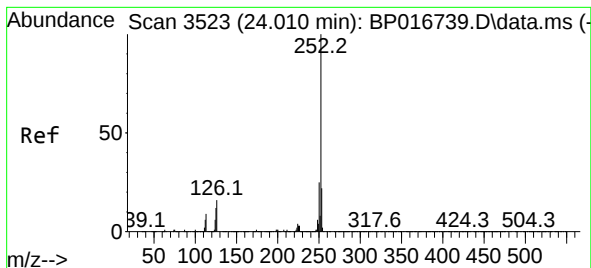
Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

125 11.5 8.9 13.3





#93

Benzo(a)pyrene

Concen: 11.589 ng/ul

RT: 24.010 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

Instrument :

BNA_P

ClientSampleId :

A48Q2

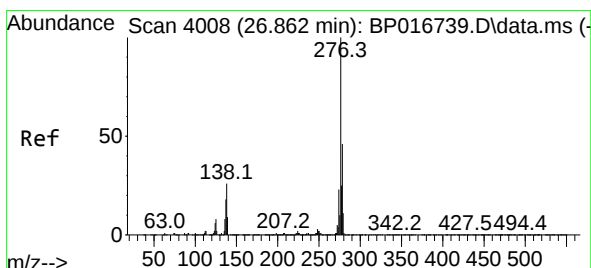
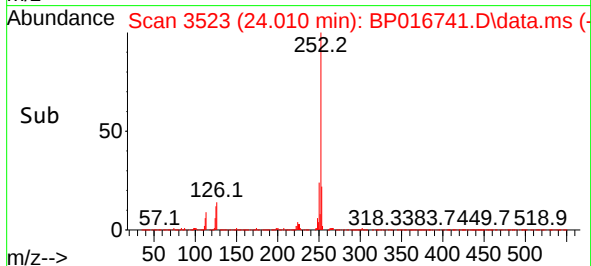
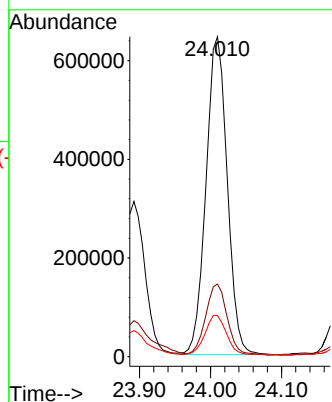
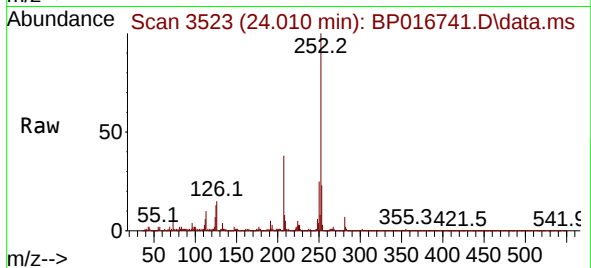
Tgt Ion:252 Resp: 1339168

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 12.8 9.9 14.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.361 ng/ul

RT: 26.857 min Scan# 4007

Delta R.T. -0.018 min

Lab File: BP016741.D

Acq: 25 Aug 2023 10:54

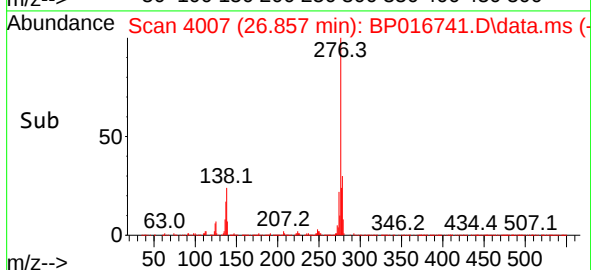
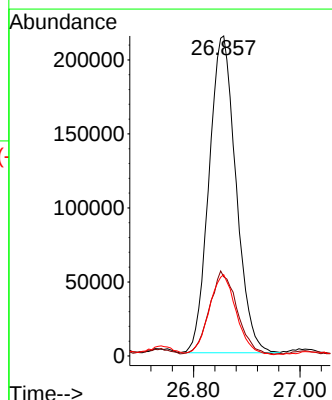
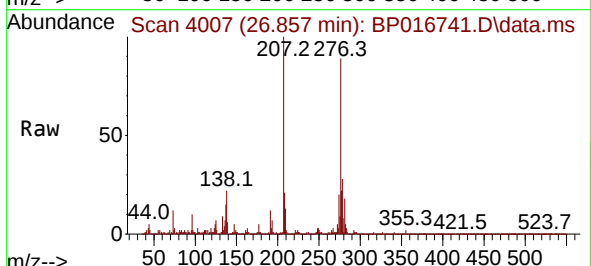
Tgt Ion:276 Resp: 751059

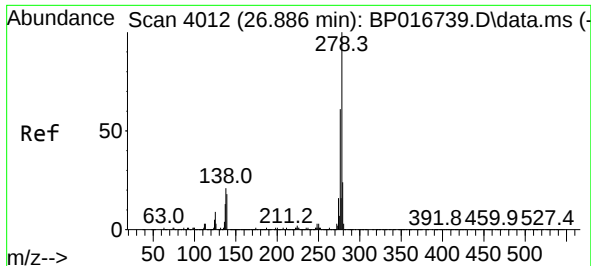
Ion Ratio Lower Upper

276 100

138 24.8 20.9 31.3

277 25.4 19.8 29.6

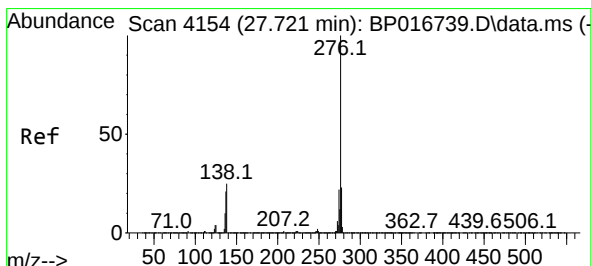
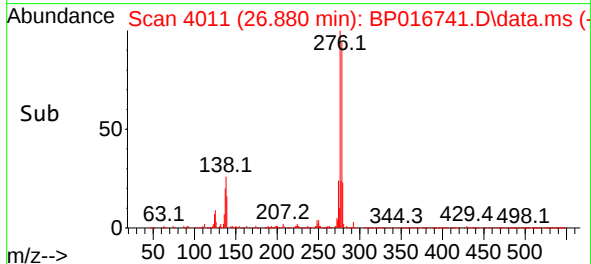
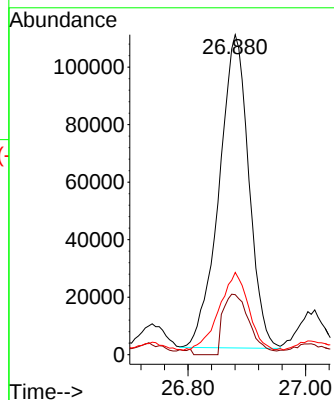
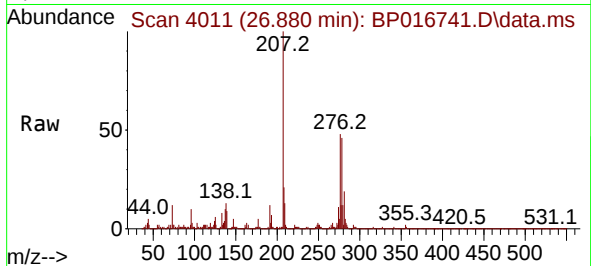




#95
 Dibenzo(a,h)anthracene
 Concen: 3.905 ng/ul
 RT: 26.880 min Scan# 4012
 Delta R.T. -0.018 min
 Lab File: BP016741.D
 Acq: 25 Aug 2023 10:54

Instrument :
 BNA_P
 ClientSampleId :
 A48Q2

Tgt Ion:278 Resp: 383031
 Ion Ratio Lower Upper
 278 100
 139 18.7 15.0 22.6
 279 25.7 19.4 29.2



#96
 Benzo(g,h,i)perylene
 Concen: 7.385 ng/ul
 RT: 27.710 min Scan# 4152
 Delta R.T. -0.018 min
 Lab File: BP016741.D
 Acq: 25 Aug 2023 10:54

Tgt Ion:276 Resp: 661145
 Ion Ratio Lower Upper
 276 100
 138 25.3 20.2 30.4
 277 24.1 19.3 28.9

