

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
 Data File : BP019848.D
 Acq On : 23 Feb 2024 17:48
 Operator : MA/JU
 Sample : P1537-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 12

Quant Time: Feb 24 00:01:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 13:10:49 2024
 Response via : Initial Calibration

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

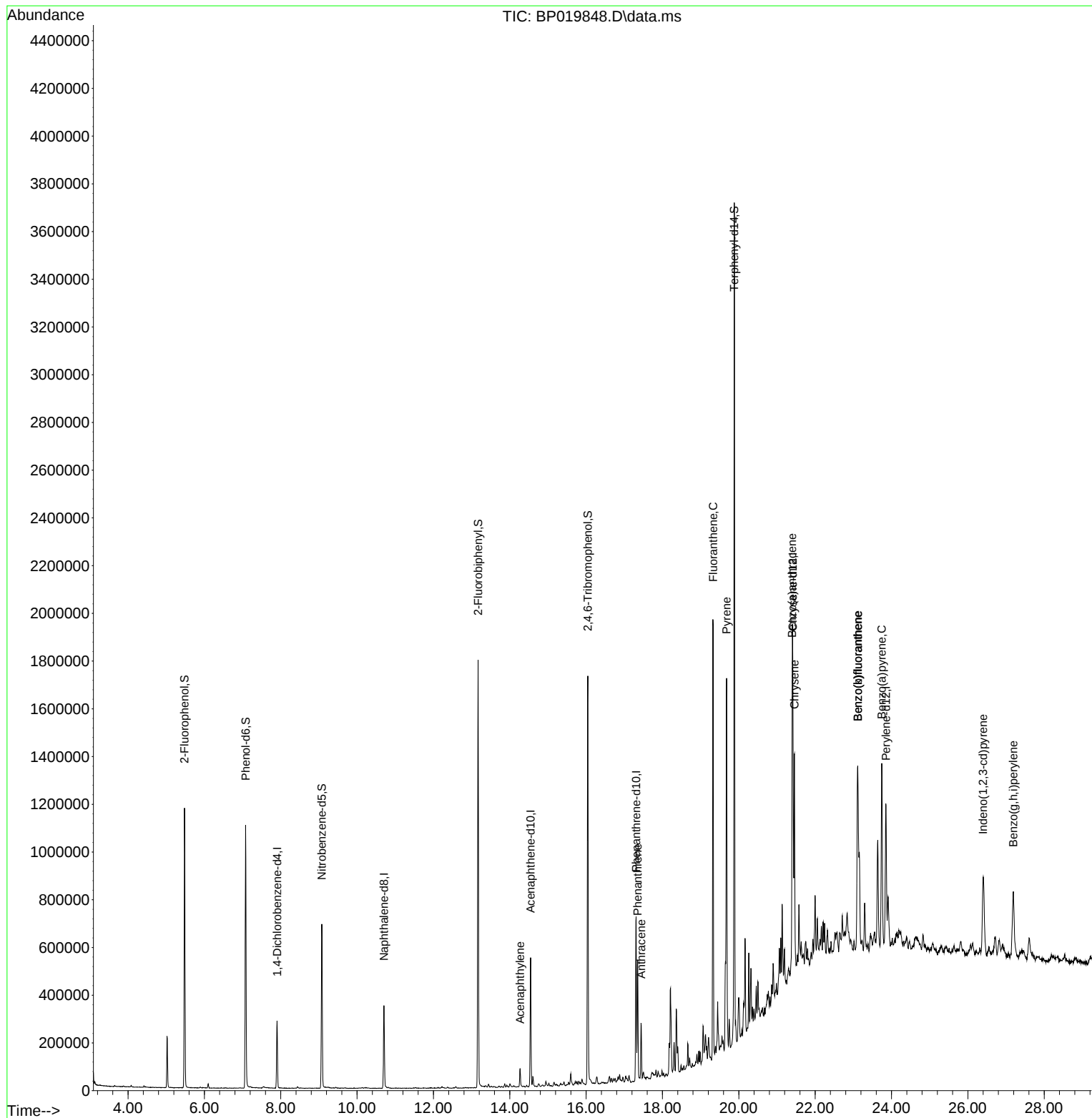
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	75476	20.000	ng	0.00
21) Naphthalene-d8	10.705	136	288212	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	195144	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	447040	20.000	ng	0.00
76) Chrysene-d12	21.416	240	437354	20.000	ng	#-0.01
86) Perylene-d12	23.857	264	518807	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	484565	103.487	ng	0.00
7) Phenol-d6	7.081	99	627865	99.448	ng	0.00
23) Nitrobenzene-d5	9.075	82	422180	63.473	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	369883	129.818	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	973009	61.640	ng	0.00
79) Terphenyl-d14	19.881	244	1772460	66.648	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.269	152	63156	3.521	ng	98
71) Phenanthrene	17.351	178	321737	13.676	ng	99
72) Anthracene	17.439	178	160149	6.824	ng	99
75) Fluoranthene	19.328	202	1131418	39.368	ng	99
78) Pyrene	19.680	202	1056785	34.237	ng	99
81) Benzo(a)anthracene	21.398	228	683449	22.200	ng	98
83) Chrysene	21.457	228	548274	18.758	ng	97
87) Indeno(1,2,3-cd)pyrene	26.398	276	417399	10.510	ng	# 96
88) Benzo(b)fluoranthene	23.116	252	836869	25.594	ng	98
89) Benzo(k)fluoranthene	23.116	252	836869	26.793	ng	97
90) Benzo(a)pyrene	23.745	252	648966	22.306	ng	96
92) Benzo(g,h,i)perylene	27.192	276	411037	12.405	ng	96

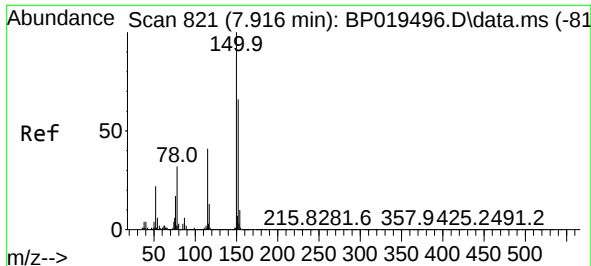
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
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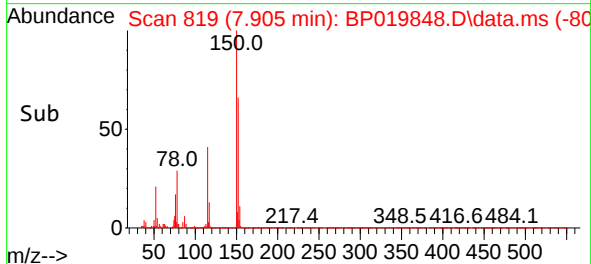
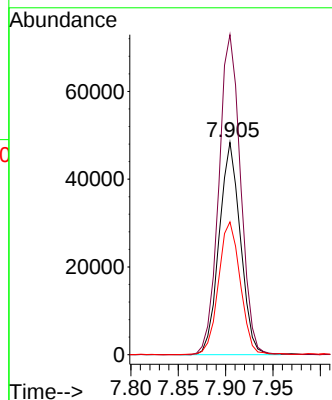
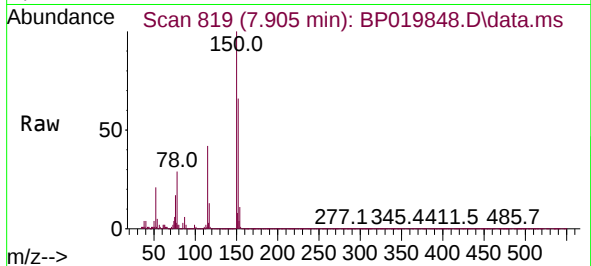




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

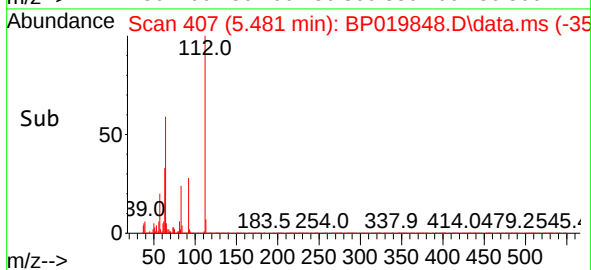
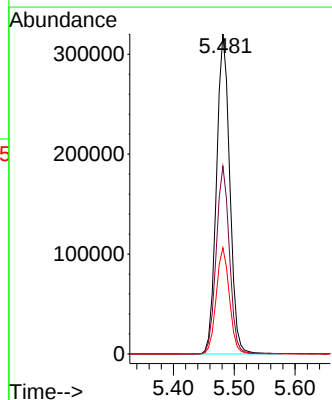
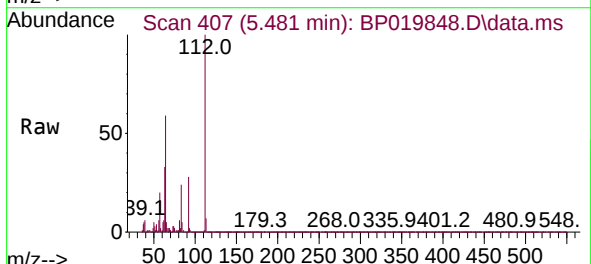
Instrument :
BNA_P
ClientSampleId :
12

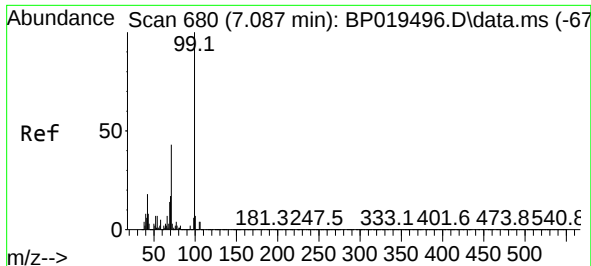
Tgt Ion:152 Resp: 75476
Ion Ratio Lower Upper
152 100
150 150.7 121.8 182.8
115 62.5 49.9 74.9



#5
2-Fluorophenol
Concen: 103.487 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion:112 Resp: 484565
Ion Ratio Lower Upper
112 100
64 58.6 47.4 71.0
63 33.2 27.0 40.6

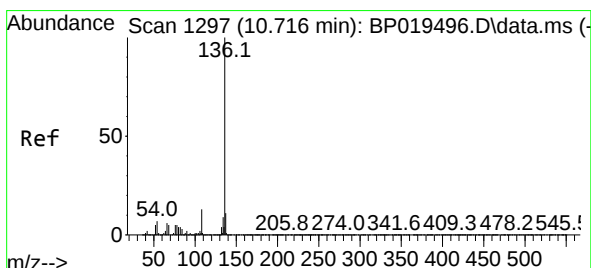
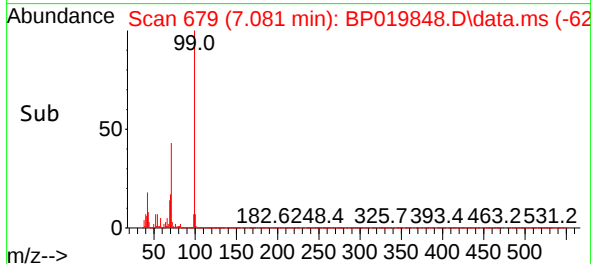
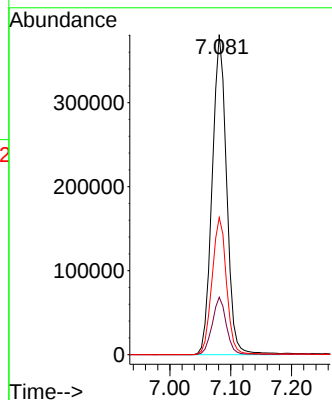
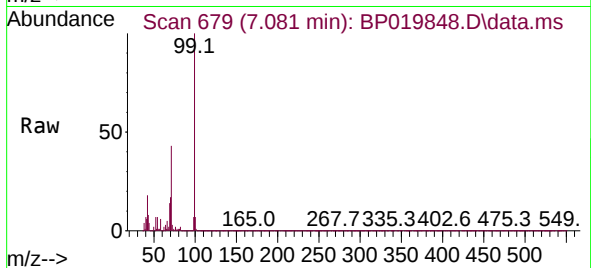




#7
Phenol-d6
Concen: 99.448 ng
RT: 7.081 min Scan# 612
Delta R.T. 0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

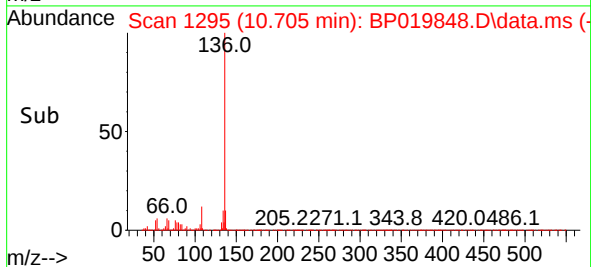
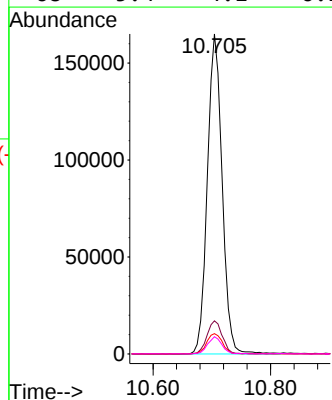
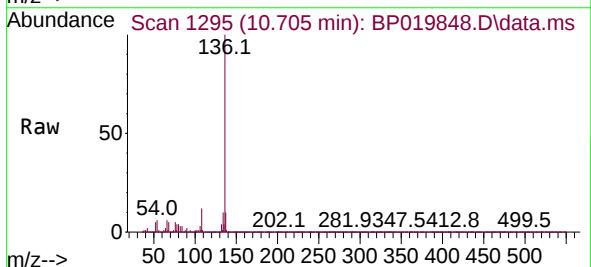
Instrument :
BNA_P
ClientSampleId :
12

Tgt Ion: 99 Resp: 627865
Ion Ratio Lower Upper
99 100
42 17.9 14.7 22.1
71 42.8 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion: 136 Resp: 288212
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 6.3 5.3 7.9
68 5.4 4.1 6.1

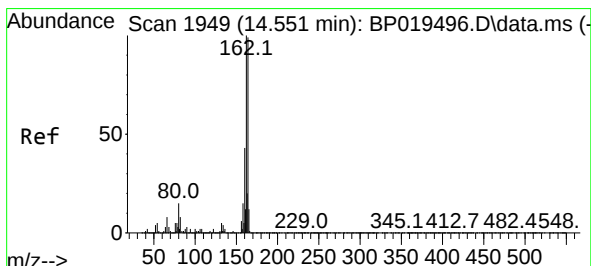
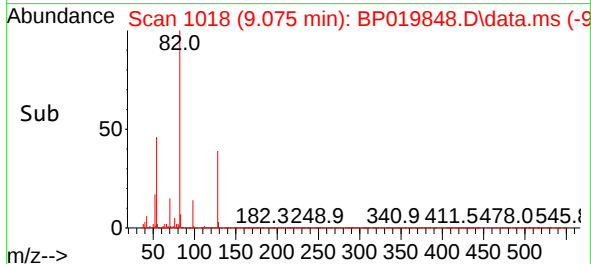
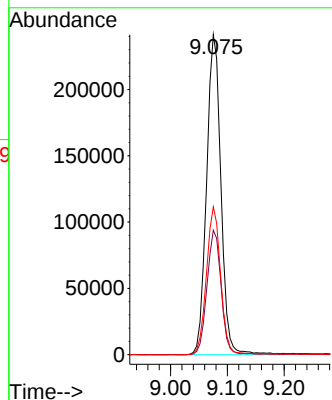
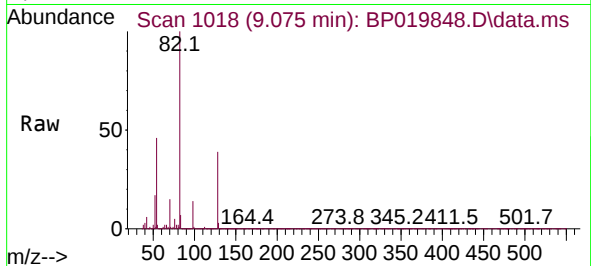




#23
Nitrobenzene-d5
Concen: 63.473 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

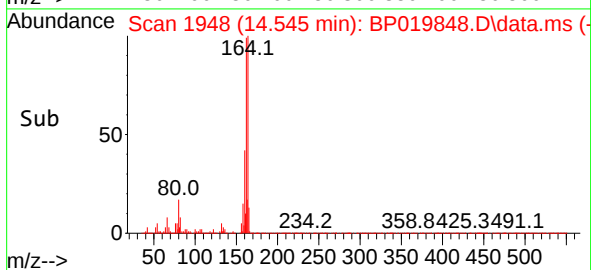
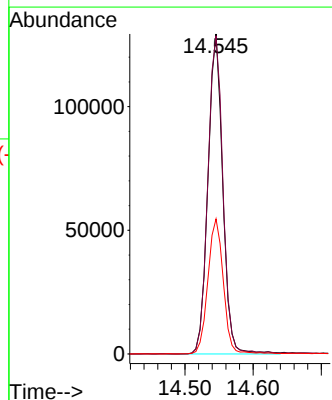
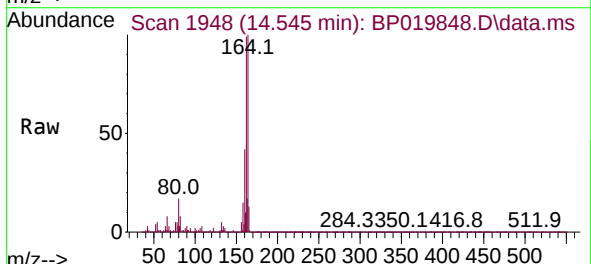
Instrument :
BNA_P
ClientSampleId :
12

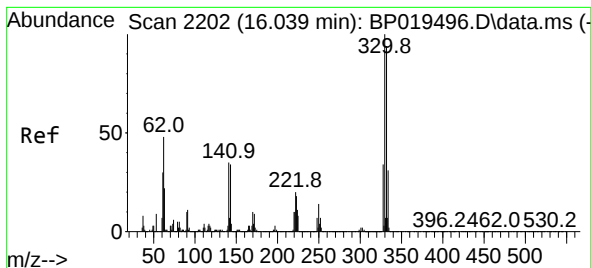
Tgt Ion: 82 Resp: 422180
Ion Ratio Lower Upper
82 100
128 38.9 29.7 44.5
54 46.2 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion: 164 Resp: 195144
Ion Ratio Lower Upper
164 100
162 99.5 81.2 121.8
160 42.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 129.818 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

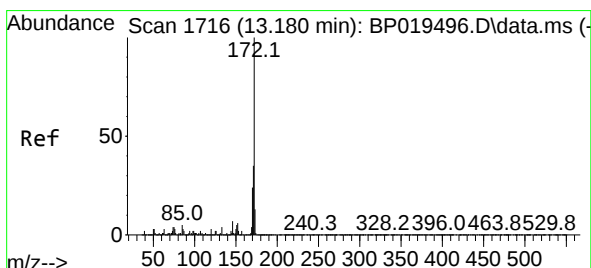
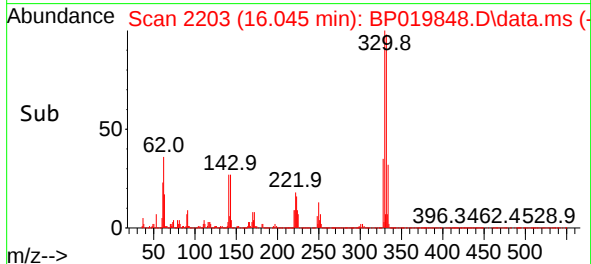
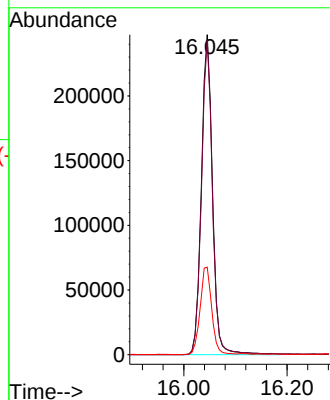
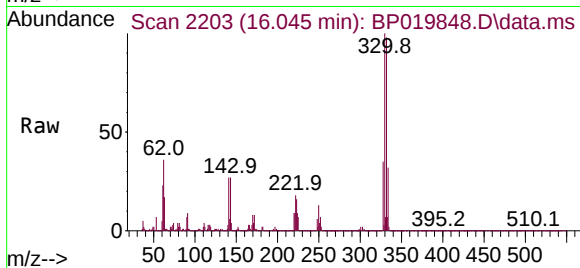
Tgt Ion:330 Resp: 369883

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

141 28.5 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 61.640 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

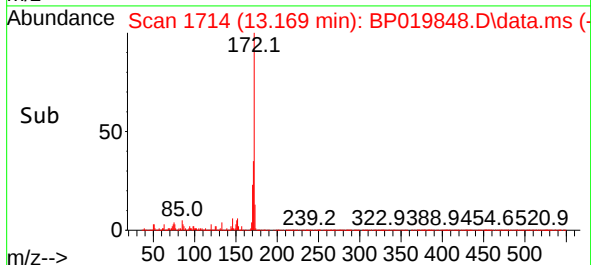
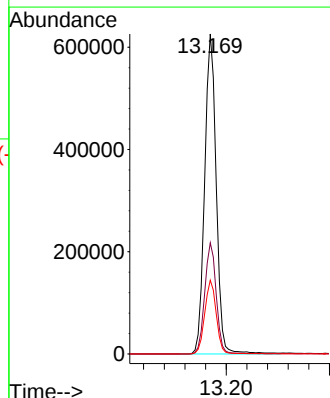
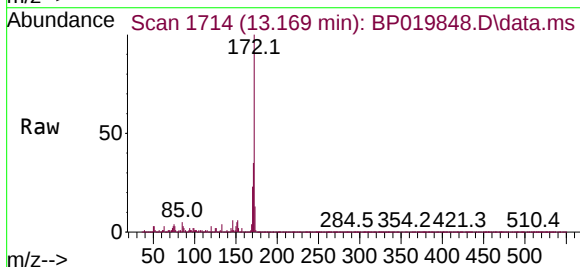
Tgt Ion:172 Resp: 973009

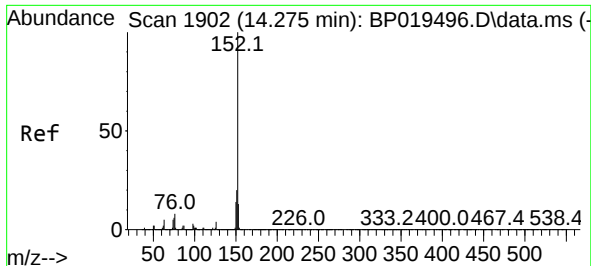
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.1 18.9 28.3

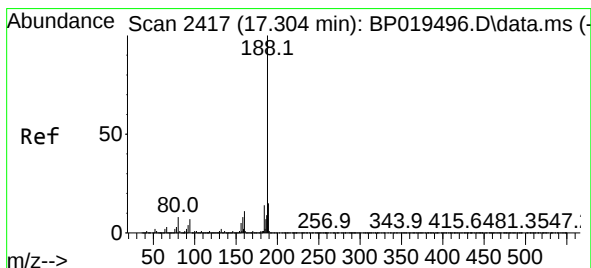
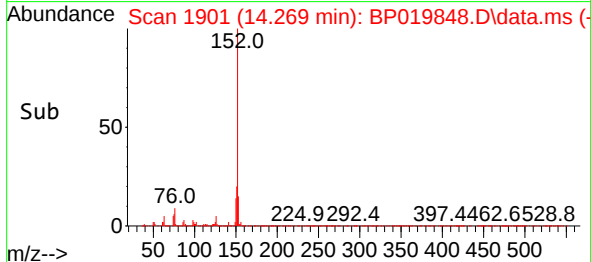
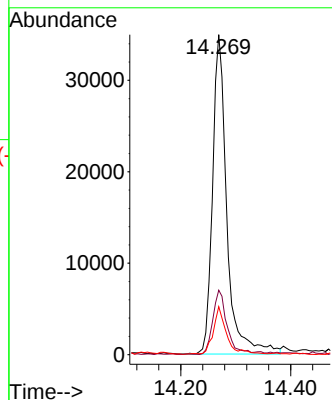
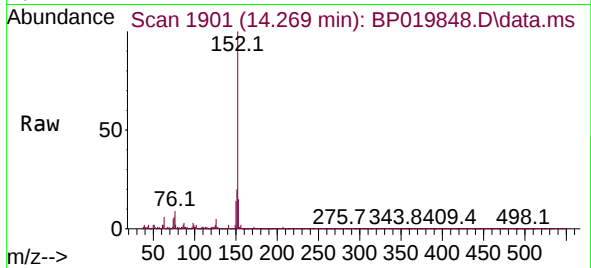




#49
Acenaphthylene
Concen: 3.521 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

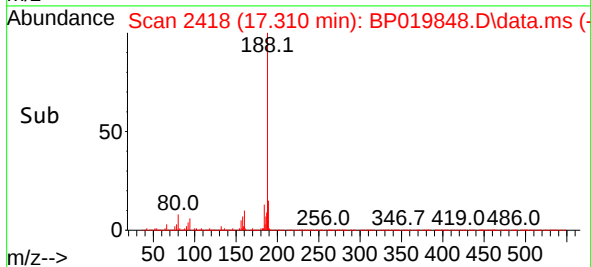
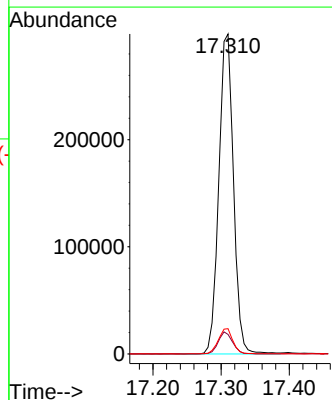
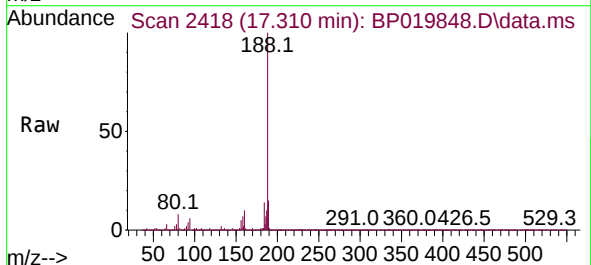
Instrument :
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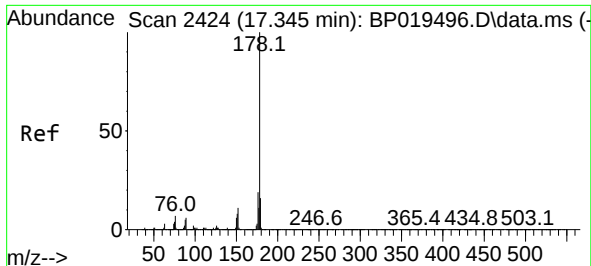
Tgt Ion:152	Resp:	63156
Ion Ratio	Lower	Upper
152	100	
151	20.2	15.8 23.6
153	15.0	10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion:188	Resp:	447040
Ion Ratio	Lower	Upper
188	100	
94	6.1	5.4 8.2
80	7.9	6.3 9.5

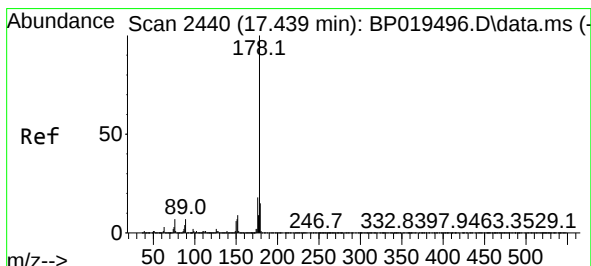
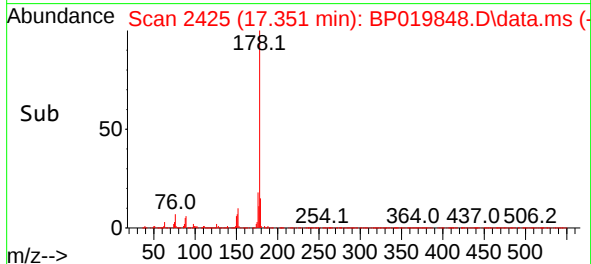
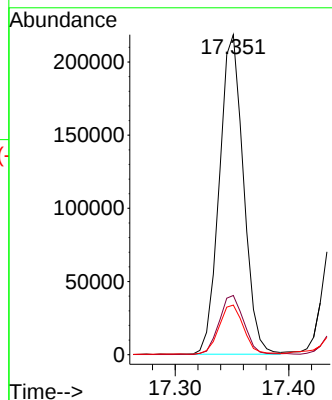
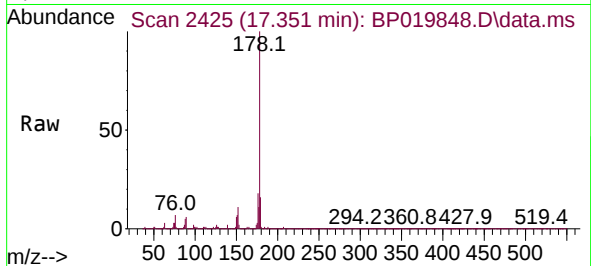




#71
Phenanthrene
Concen: 13.676 ng
RT: 17.351 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

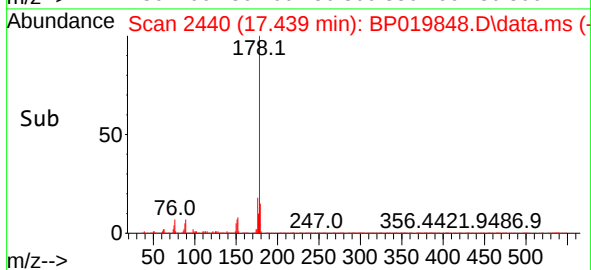
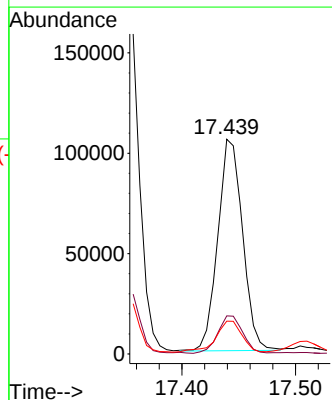
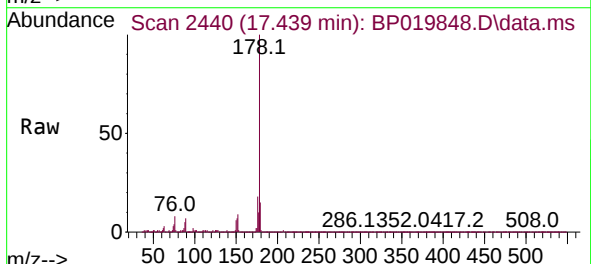
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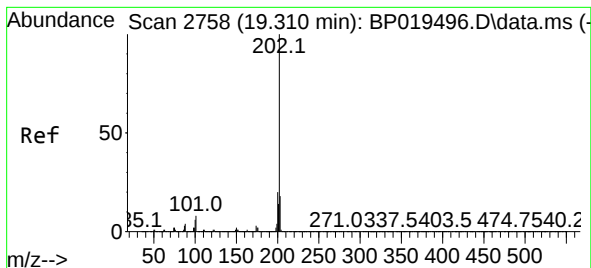
Tgt Ion:178 Resp: 321737
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.5 12.6 19.0



#72
Anthracene
Concen: 6.824 ng
RT: 17.439 min Scan# 2440
Delta R.T. -0.012 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion:178 Resp: 160149
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 15.3 12.2 18.2





#75

Fluoranthene

Concen: 39.368 ng

RT: 19.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

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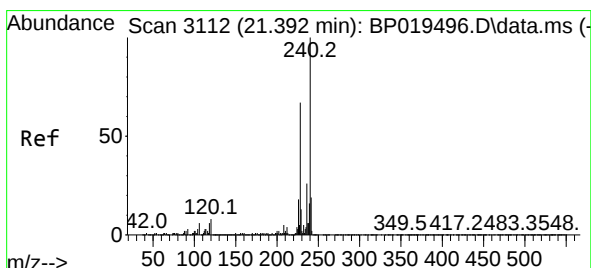
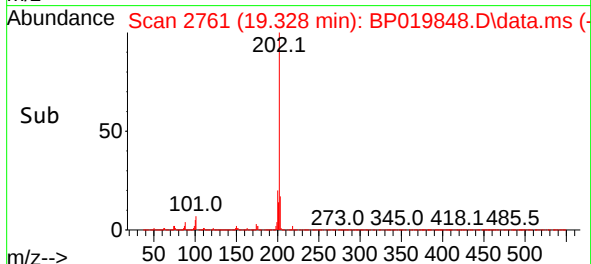
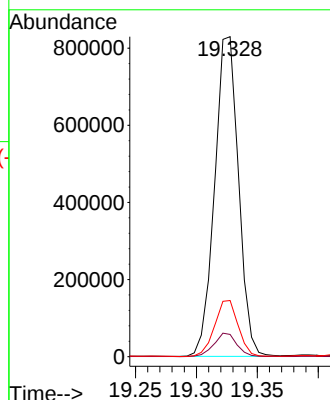
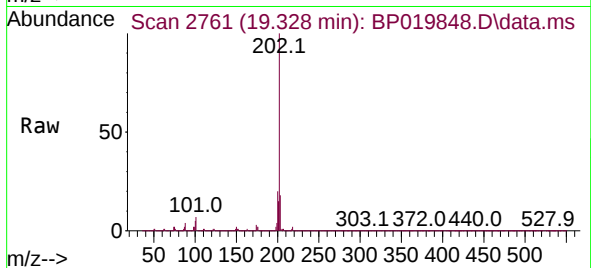
Tgt Ion:202 Resp: 1131418

Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.7

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.416 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

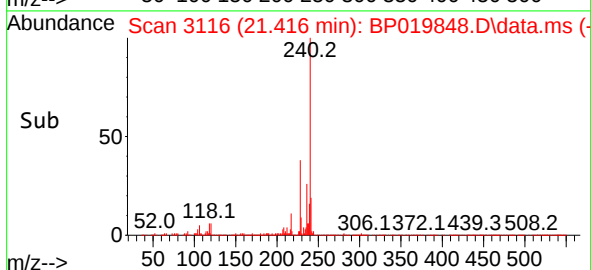
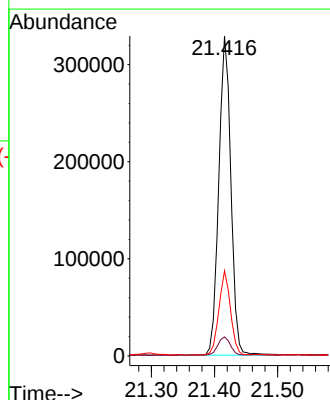
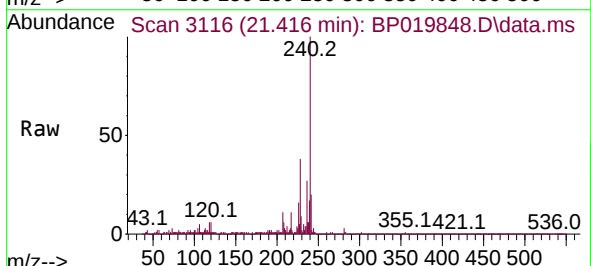
Tgt Ion:240 Resp: 437354

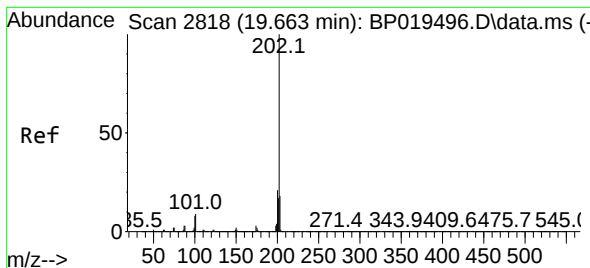
Ion Ratio Lower Upper

240 100

120 6.0 6.1 9.1#

236 26.6 20.7 31.1





#78

Pyrene

Concen: 34.237 ng

RT: 19.680 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

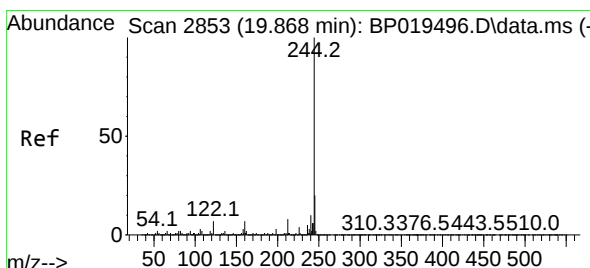
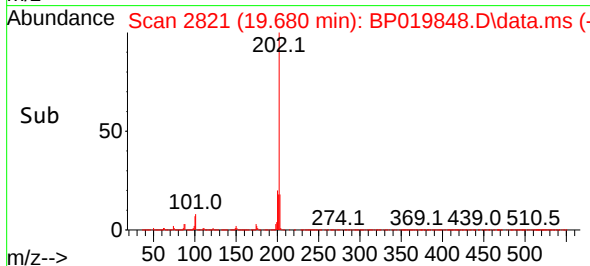
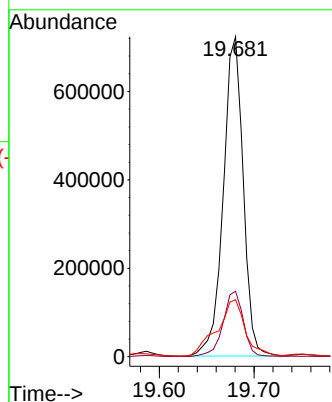
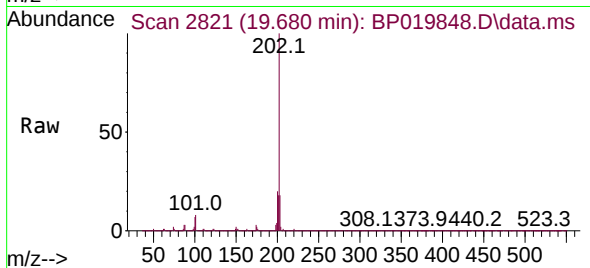
Tgt Ion:202 Resp: 1056785

Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 66.648 ng

RT: 19.881 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

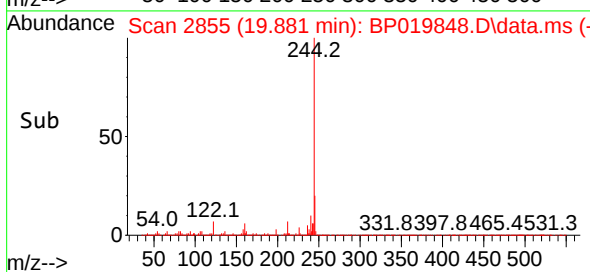
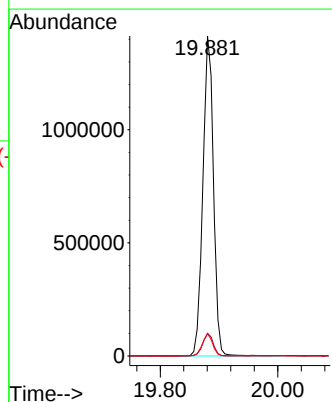
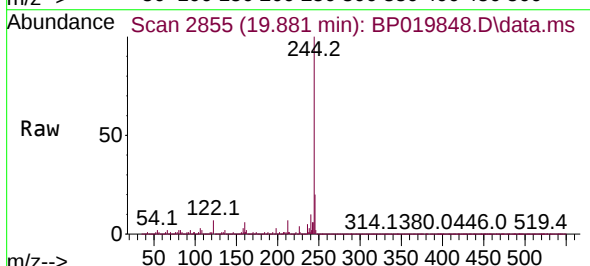
Tgt Ion:244 Resp: 1772460

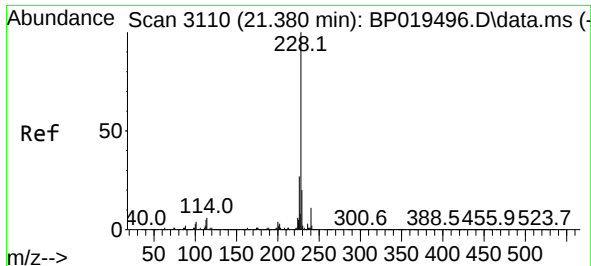
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.9 5.9 8.9

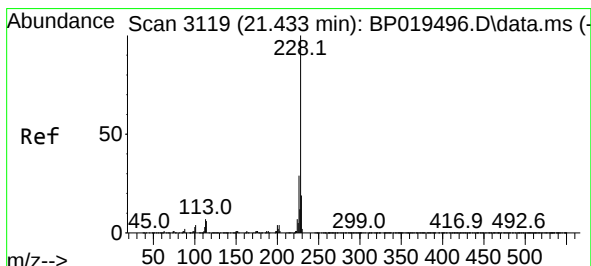
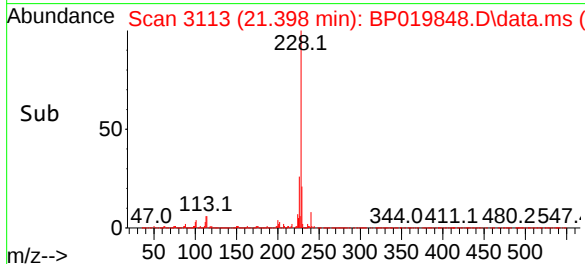
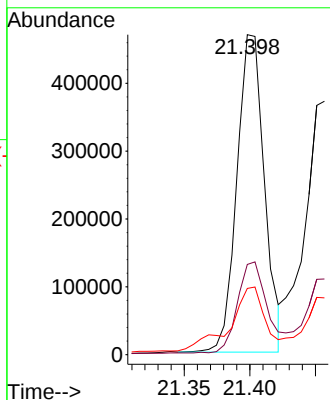
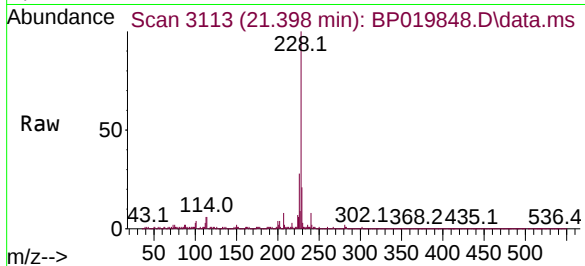




#81
Benzo(a)anthracene
Concen: 22.200 ng
RT: 21.398 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

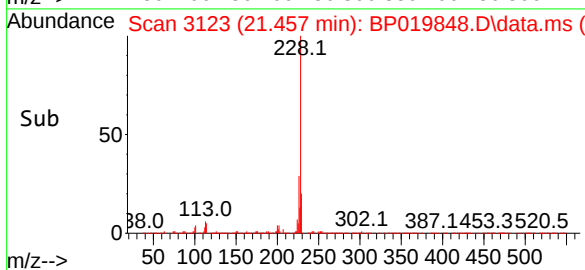
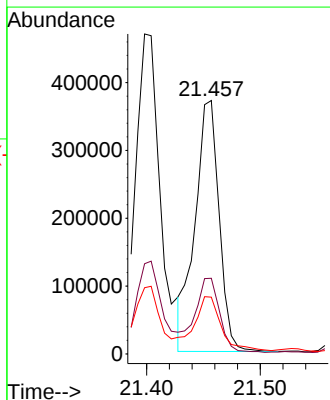
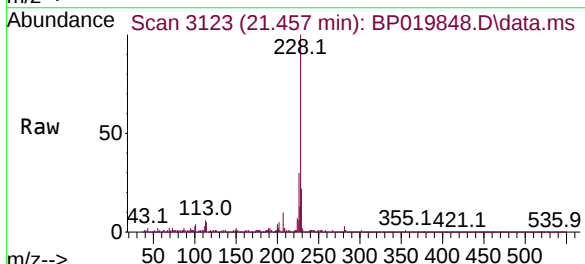
Instrument :
BNA_P
ClientSampleId :
12

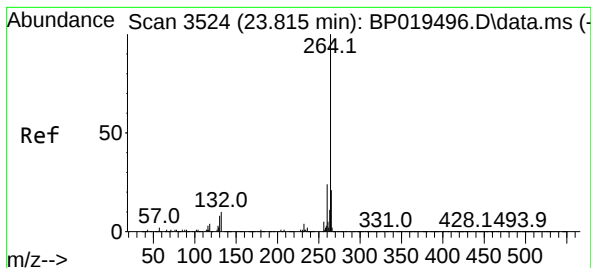
Tgt Ion:228 Resp: 683449
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.7 15.6 23.4



#83
Chrysene
Concen: 18.758 ng
RT: 21.457 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP019848.D
Acq: 23 Feb 2024 17:48

Tgt Ion:228 Resp: 548274
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.857 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

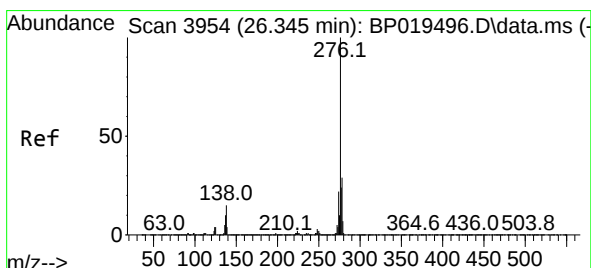
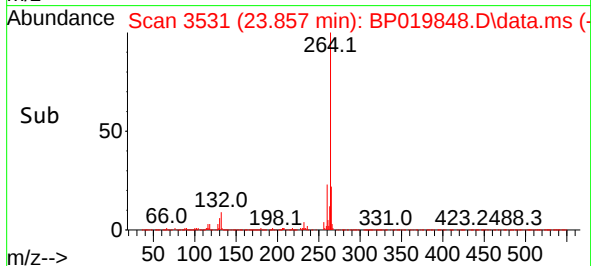
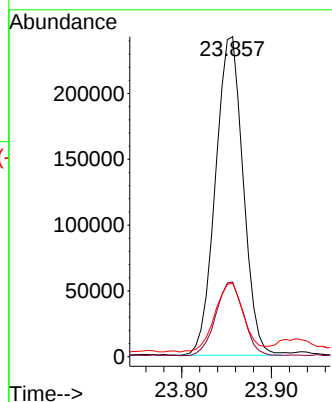
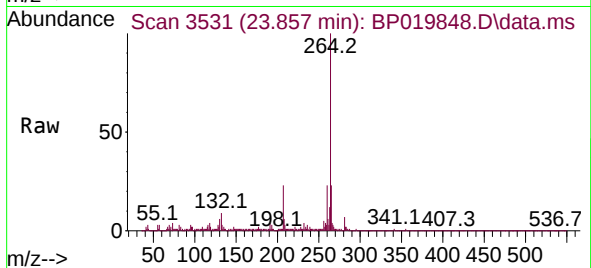
Tgt Ion:264 Resp: 518807

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 23.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.510 ng

RT: 26.398 min Scan# 3963

Delta R.T. -0.035 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

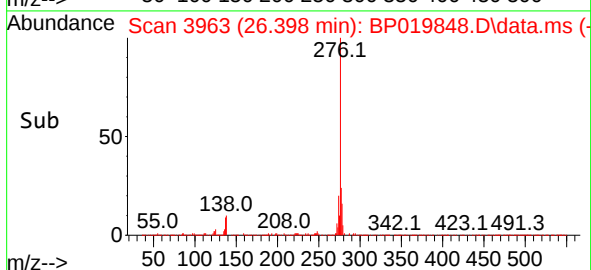
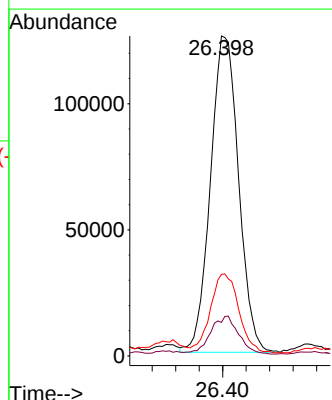
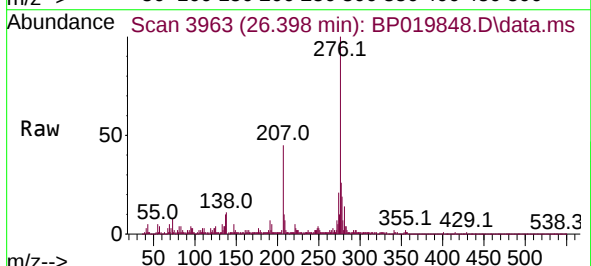
Tgt Ion:276 Resp: 417399

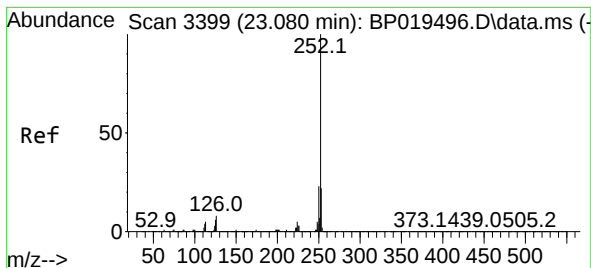
Ion Ratio Lower Upper

276 100

138 11.9 13.1 19.7#

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 25.594 ng

RT: 23.116 min Scan# 3405

Delta R.T. -0.012 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

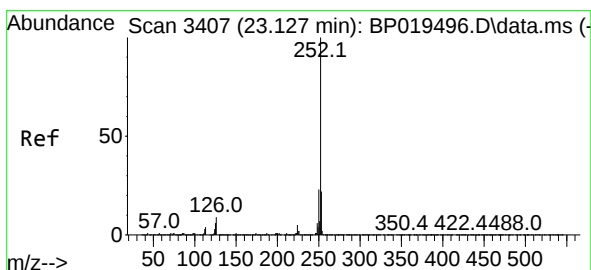
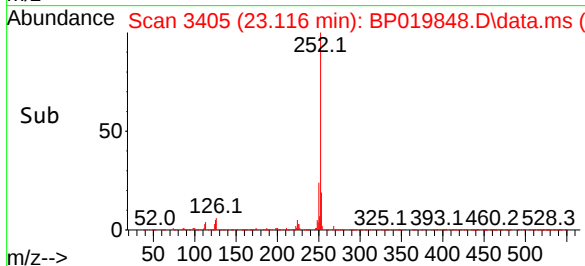
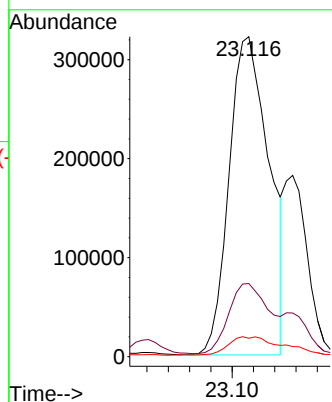
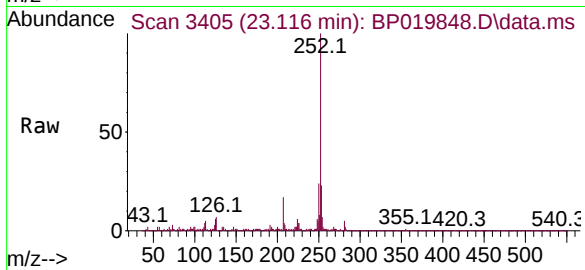
Tgt Ion:252 Resp: 836869

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 5.8 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 26.793 ng

RT: 23.116 min Scan# 3405

Delta R.T. -0.059 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

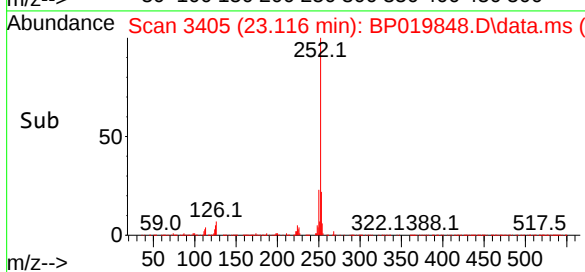
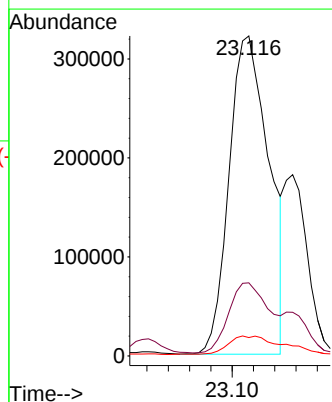
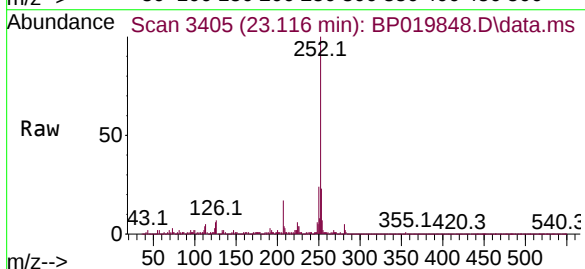
Tgt Ion:252 Resp: 836869

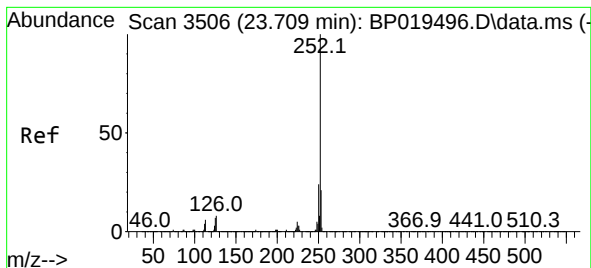
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 5.8 5.0 7.6





#90

Benzo(a)pyrene

Concen: 22.306 ng

RT: 23.745 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Instrument :

BNA_P

ClientSampleId :

12

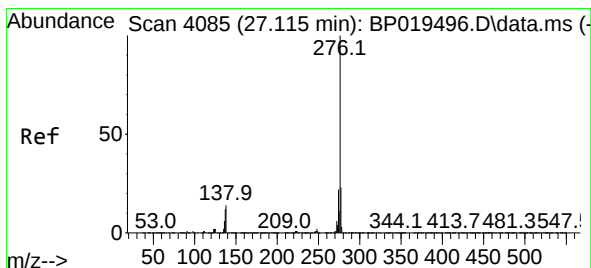
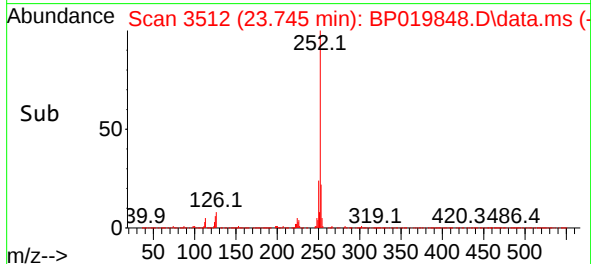
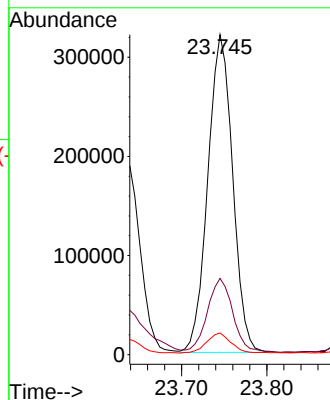
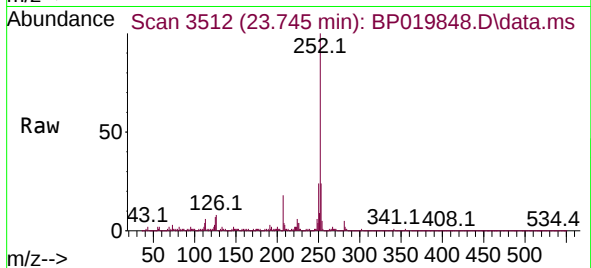
Tgt Ion:252 Resp: 648966

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 6.8 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 12.405 ng

RT: 27.192 min Scan# 4098

Delta R.T. -0.024 min

Lab File: BP019848.D

Acq: 23 Feb 2024 17:48

Tgt Ion:276 Resp: 411037

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 11.3 10.9 16.3

