

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
 Data File : BP019845.D
 Acq On : 23 Feb 2024 16:06
 Operator : MA/JU
 Sample : P1537-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 11

Quant Time: Feb 23 16:38:49 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)

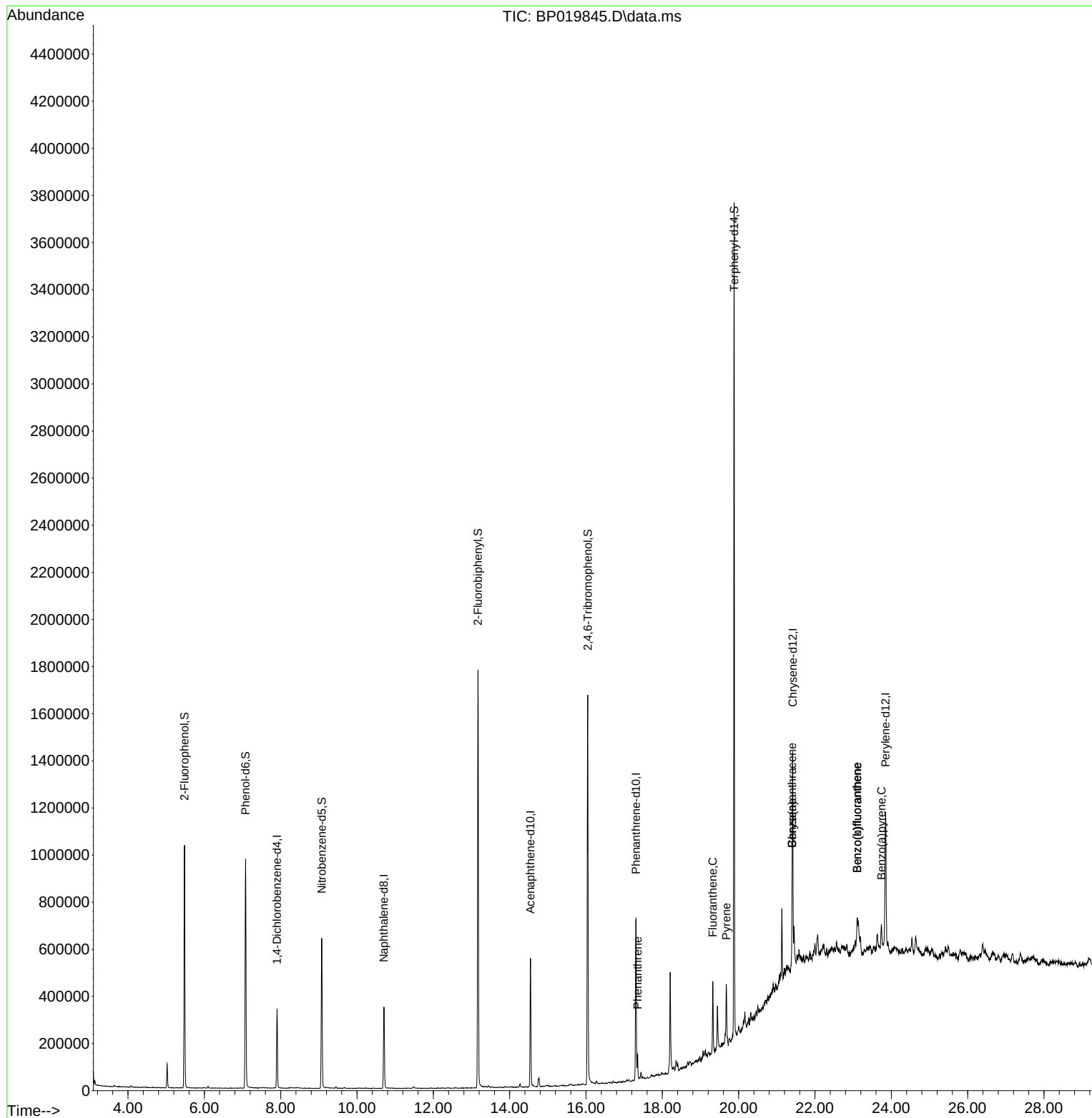
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	86003	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	290085	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	201696	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	453756	20.000	ng	0.00
76) Chrysene-d12	21.415	240	448164	20.000	ng	#-0.01
86) Perylene-d12	23.850	264	517302	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	433549	81.258	ng	0.00
7) Phenol-d6	7.081	99	563991	78.396	ng	0.00
23) Nitrobenzene-d5	9.075	82	395100	59.018	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	369256	125.388	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	956185	58.606	ng	0.00
79) Terphenyl-d14	19.880	244	1785715	65.527	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.351	178	65752	2.753	ng	98
75) Fluoranthene	19.321	202	167899	5.756	ng	98
78) Pyrene	19.674	202	166898	5.277	ng	98
81) Benzo(a)anthracene	21.398	228	96326	3.053	ng	94
83) Chrysene	21.398	228	96326	3.216	ng	96
88) Benzo(b)fluoranthene	23.103	252	121883	3.738	ng	# 91
89) Benzo(k)fluoranthene	23.103	252	121883	3.914	ng	# 91
90) Benzo(a)pyrene	23.739	252	86141	2.969	ng	# 92

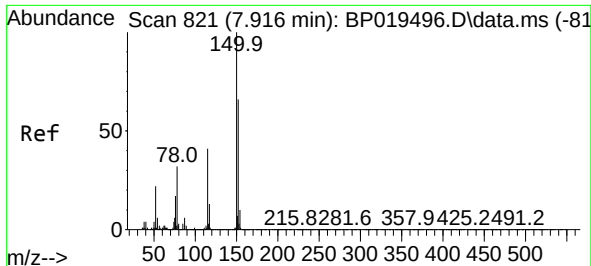
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 13:10:49 2024
Response via : Initial Calibration

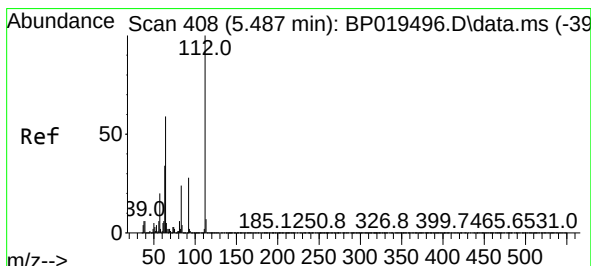
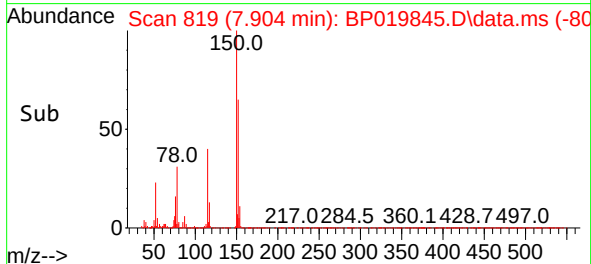
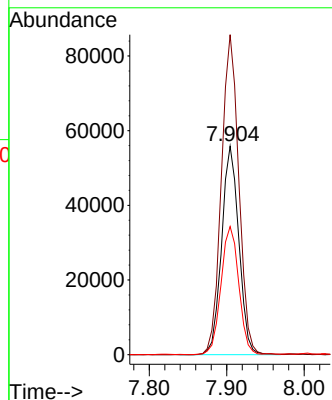
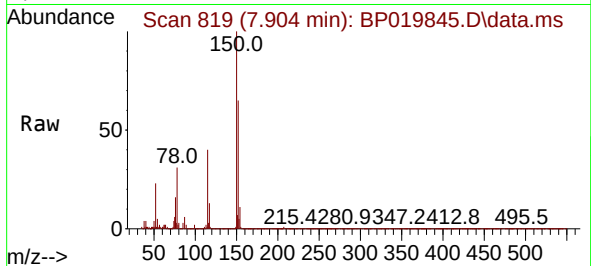




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

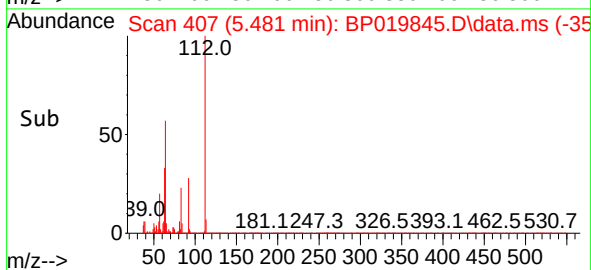
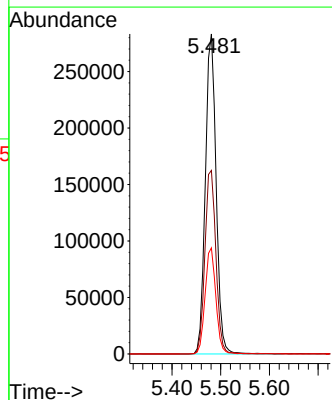
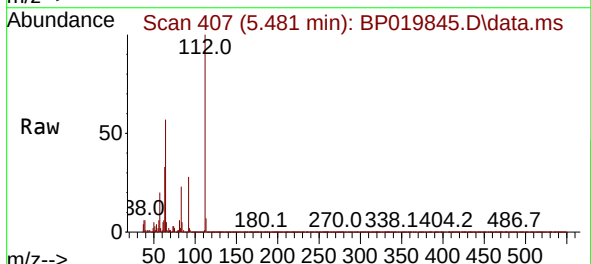
Instrument :
BNA_P
ClientSampleId :
11

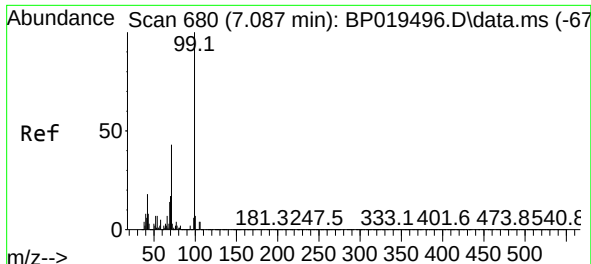
Tgt Ion:152 Resp: 86003
Ion Ratio Lower Upper
152 100
150 153.5 121.8 182.8
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 81.258 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.005 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:112 Resp: 433549
Ion Ratio Lower Upper
112 100
64 57.4 47.4 71.0
63 33.2 27.0 40.6

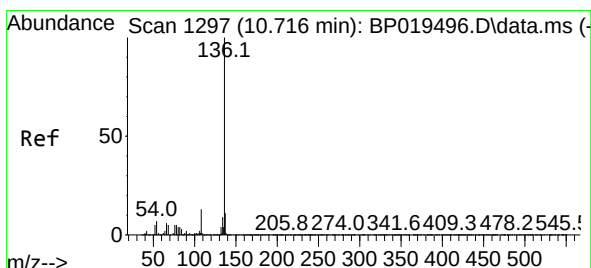
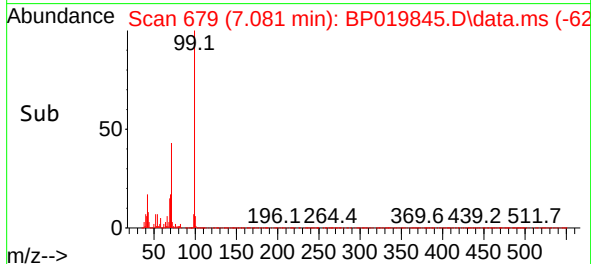
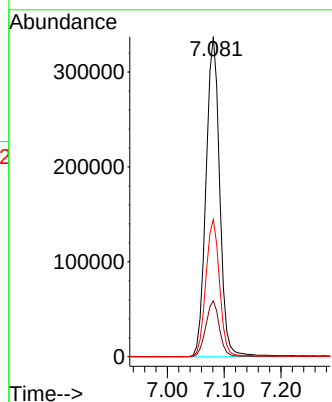
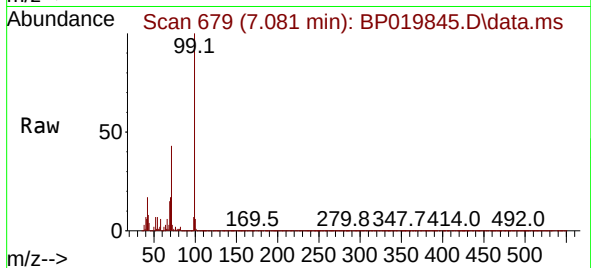




#7
Phenol-d6
Concen: 78.396 ng
RT: 7.081 min Scan# 611
Delta R.T. 0.005 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

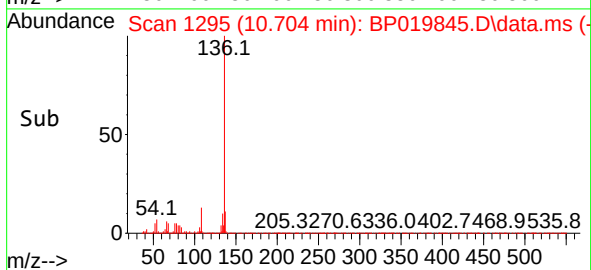
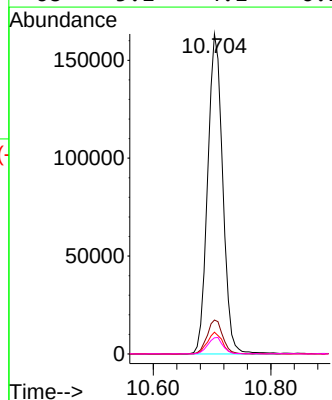
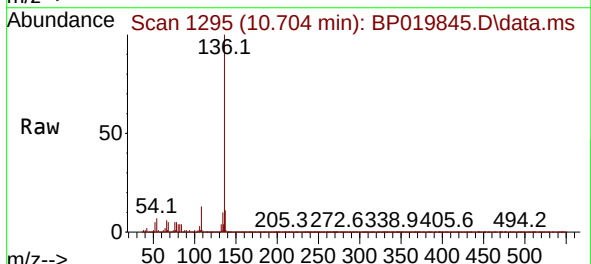
Instrument :
BNA_P
ClientSampleId :
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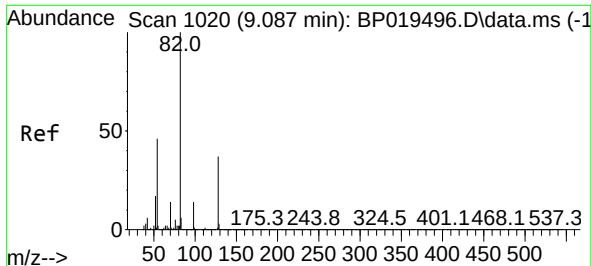
Tgt Ion:	99	Resp:	563991
Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.7	22.1
71	42.9	34.8	52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:	136	Resp:	290085
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.3	7.9
68	5.1	4.1	6.1

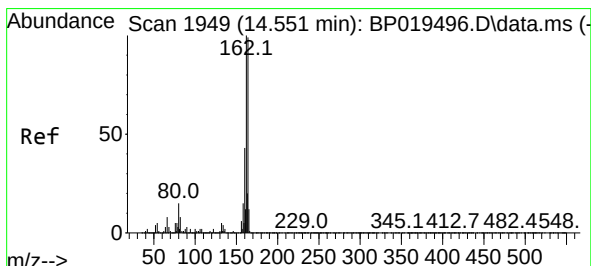
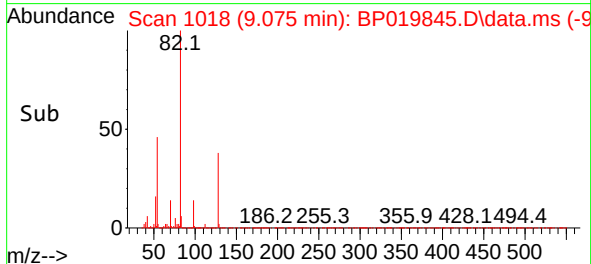
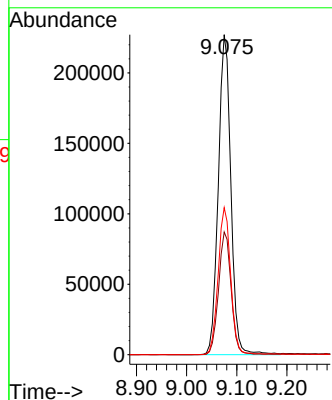
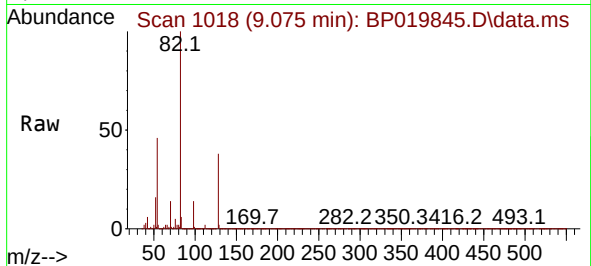




#23
Nitrobenzene-d5
Concen: 59.018 ng
RT: 9.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

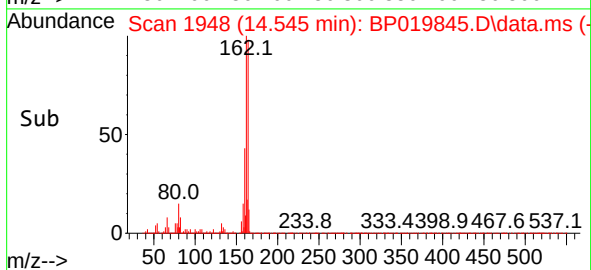
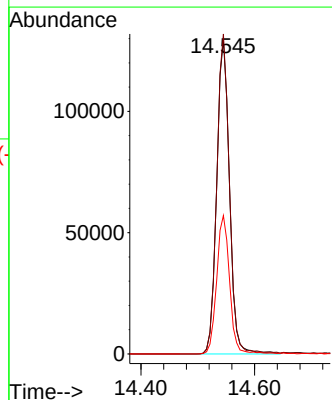
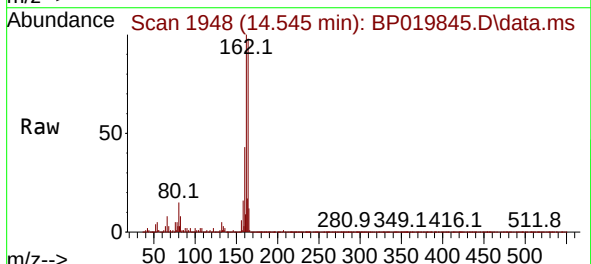
Instrument :
BNA_P
ClientSampleId :
11

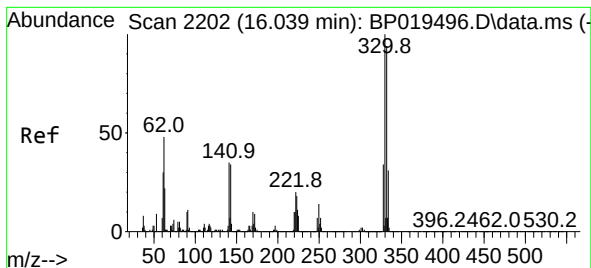
Tgt Ion: 82 Resp: 395100
Ion Ratio Lower Upper
82 100
128 38.4 29.7 44.5
54 45.9 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion: 164 Resp: 201696
Ion Ratio Lower Upper
164 100
162 102.0 81.2 121.8
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 125.388 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

11

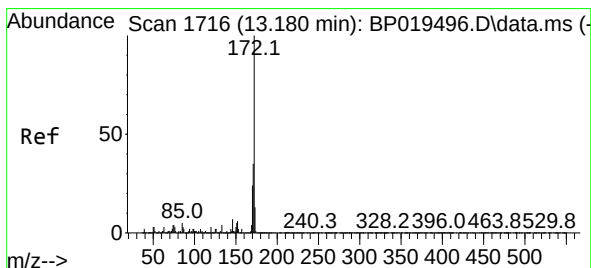
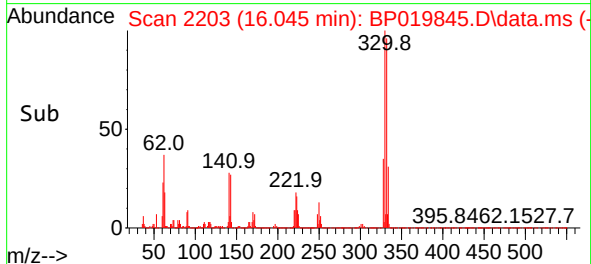
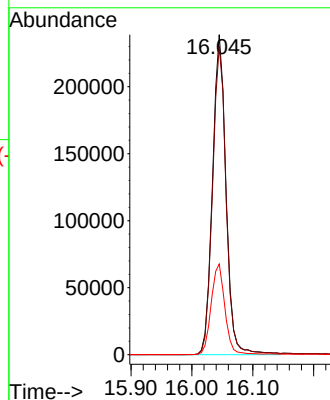
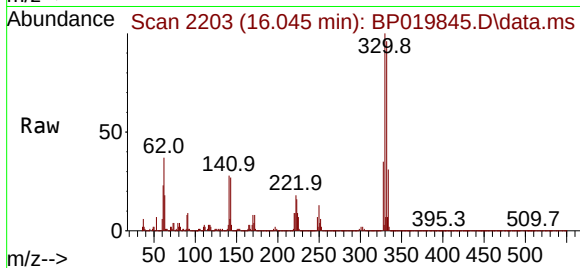
Tgt Ion:330 Resp: 369256

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 28.6 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 58.606 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

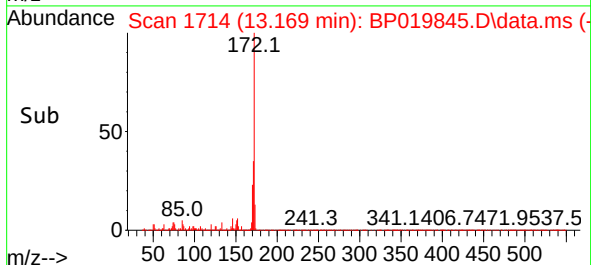
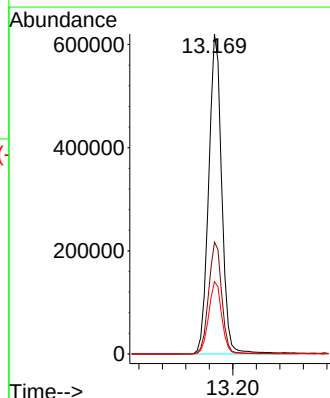
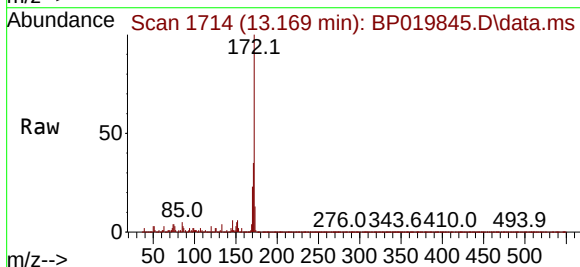
Tgt Ion:172 Resp: 956185

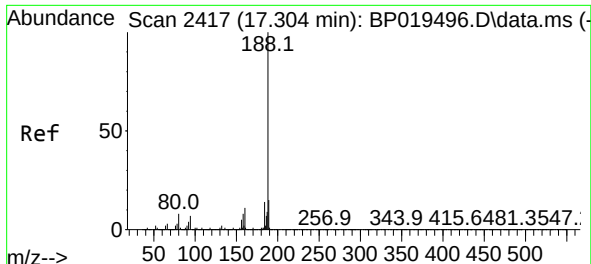
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.6 18.9 28.3

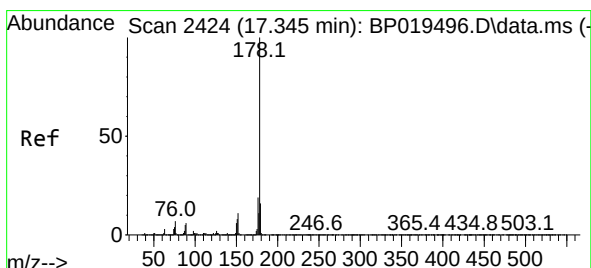
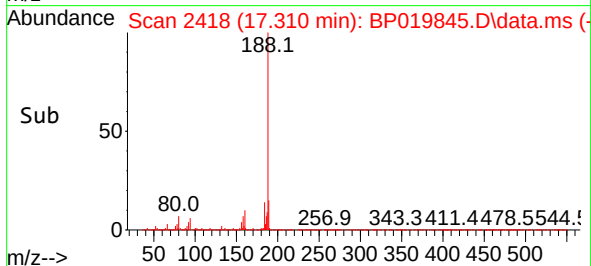
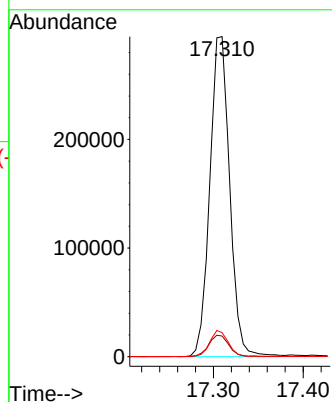
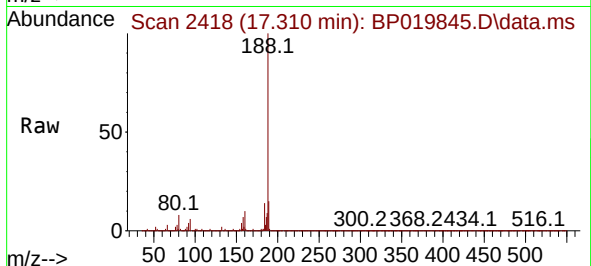




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

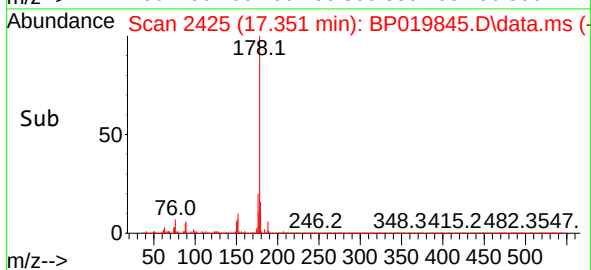
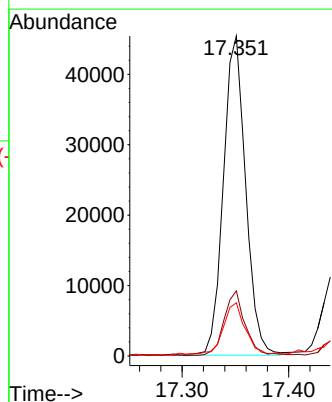
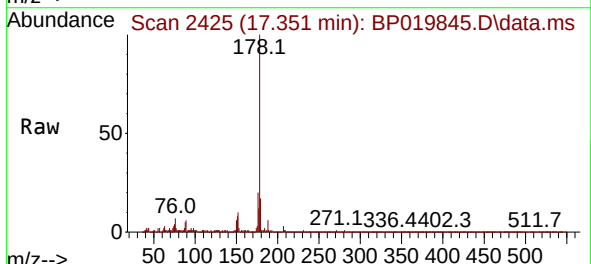
Instrument :
BNA_P
ClientSampleId :
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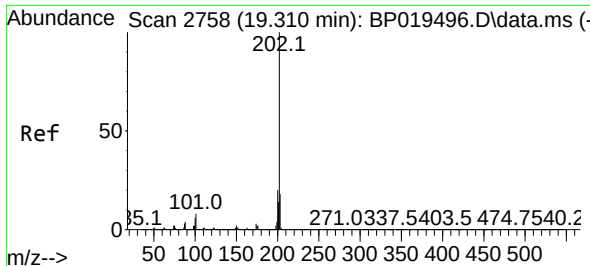
Tgt Ion:188 Resp: 453756
Ion Ratio Lower Upper
188 100
94 6.4 5.4 8.2
80 7.5 6.3 9.5



#71
Phenanthrene
Concen: 2.753 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:178 Resp: 65752
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 16.6 12.6 19.0

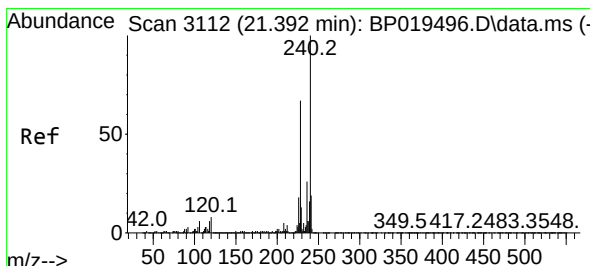
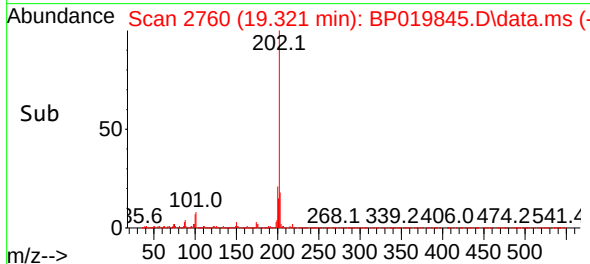
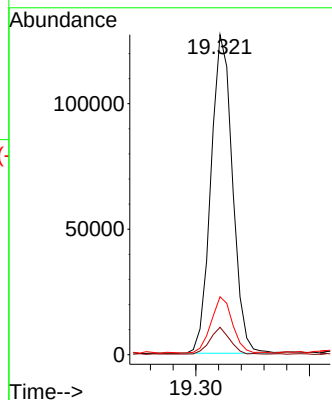
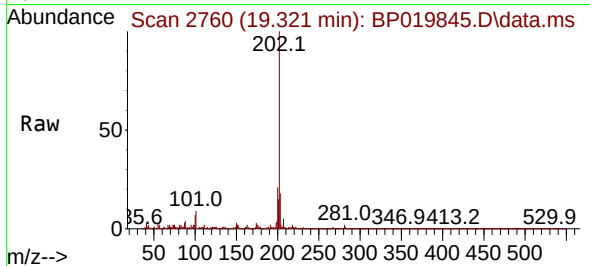




#75
Fluoranthene
Concen: 5.756 ng
RT: 19.321 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

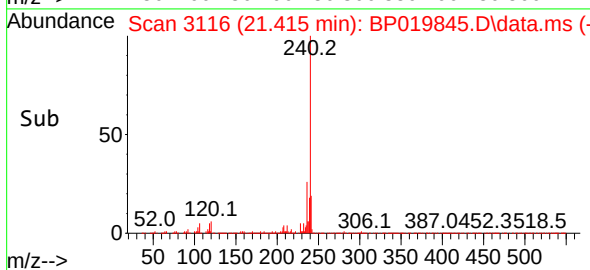
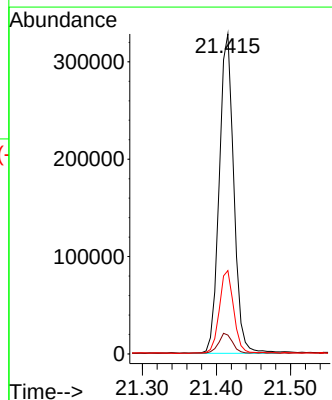
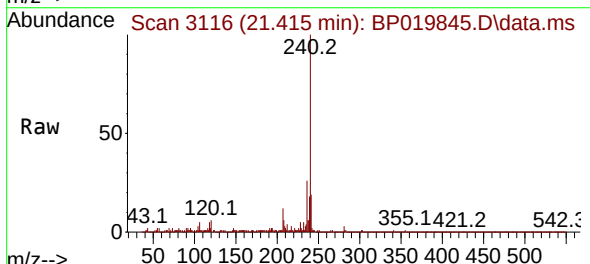
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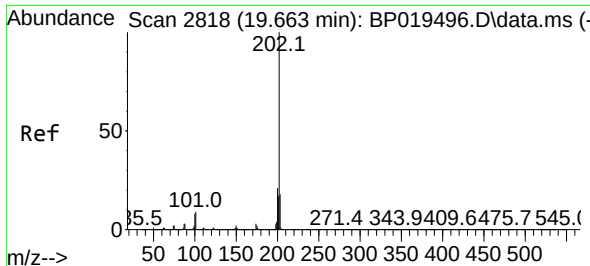
Tgt Ion:202 Resp: 167899
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.7
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:240 Resp: 448164
Ion Ratio Lower Upper
240 100
120 5.9 6.1 9.1#
236 26.1 20.7 31.1

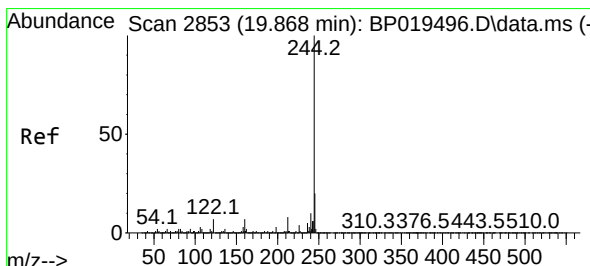
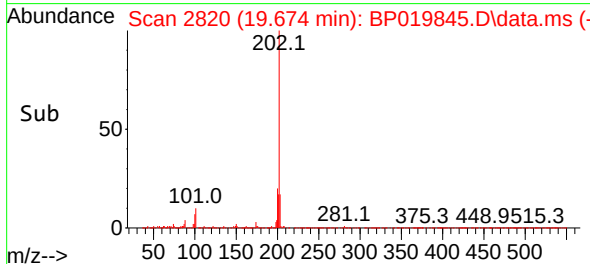
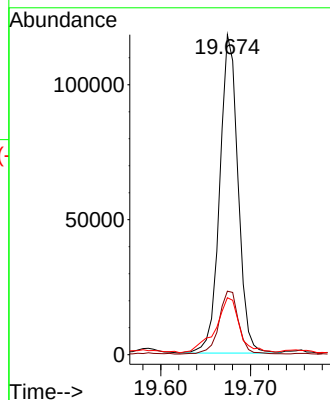
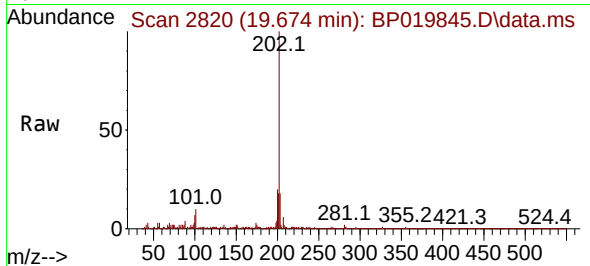




#78
Pyrene
Concen: 5.277 ng
RT: 19.674 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

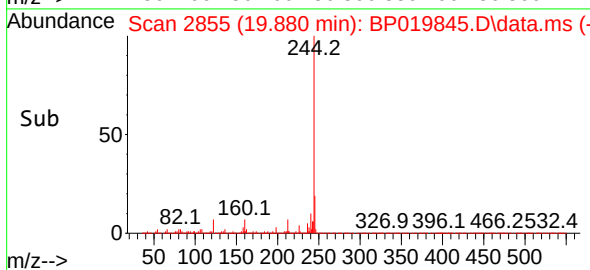
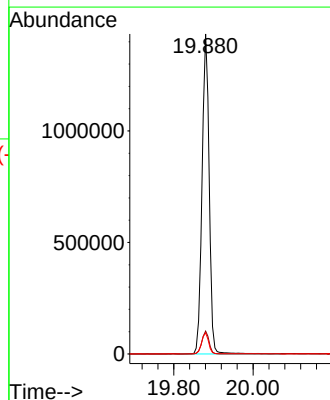
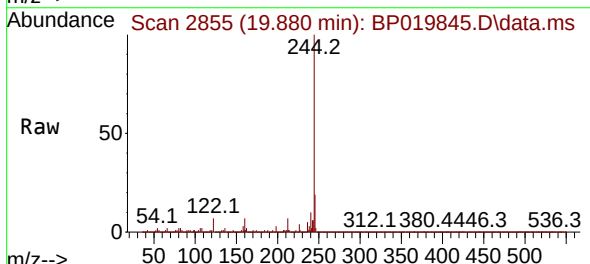
Instrument :
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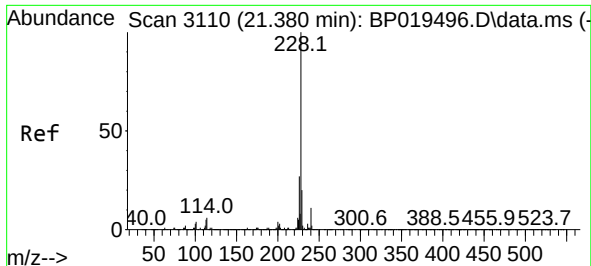
Tgt Ion:202 Resp: 166898
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 17.8 14.2 21.2



#79
Terphenyl-d14
Concen: 65.527 ng
RT: 19.880 min Scan# 2855
Delta R.T. -0.012 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:244 Resp: 1785715
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 6.6 5.9 8.9

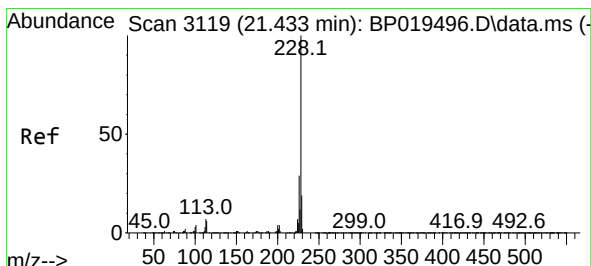
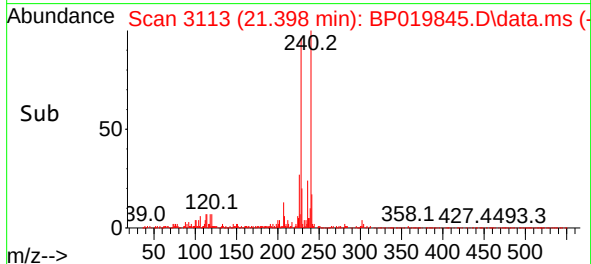
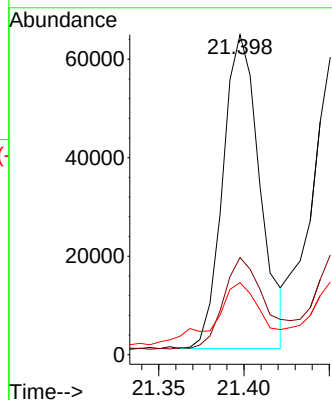
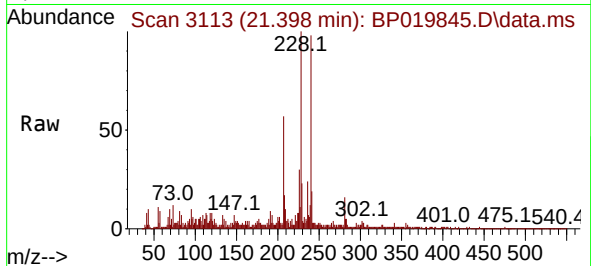




#81
Benzo(a)anthracene
Concen: 3.053 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

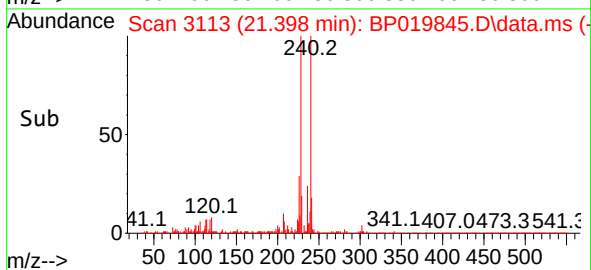
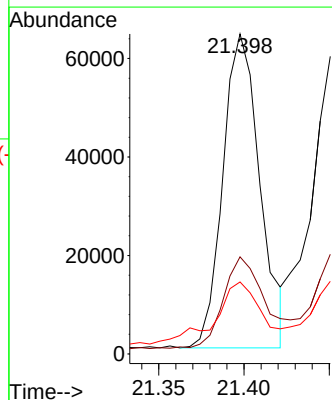
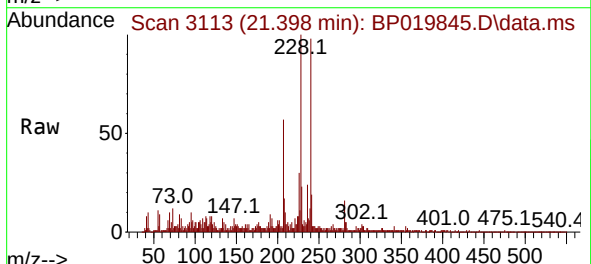
Instrument :
BNA_P
ClientSampleId :
11

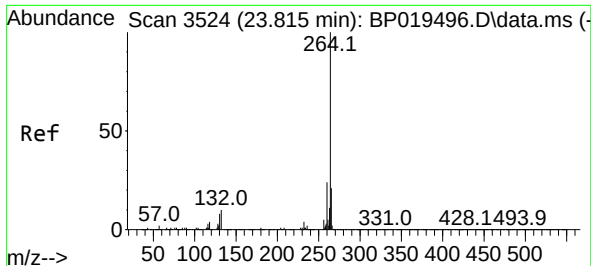
Tgt Ion:228 Resp: 96326
Ion Ratio Lower Upper
228 100
226 30.3 21.7 32.5
229 22.5 15.6 23.4



#83
Chrysene
Concen: 3.216 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.071 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:228 Resp: 96326
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 22.5 15.6 23.4

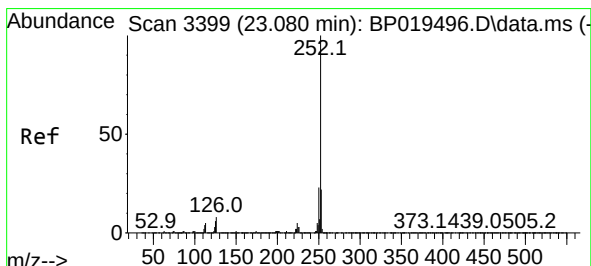
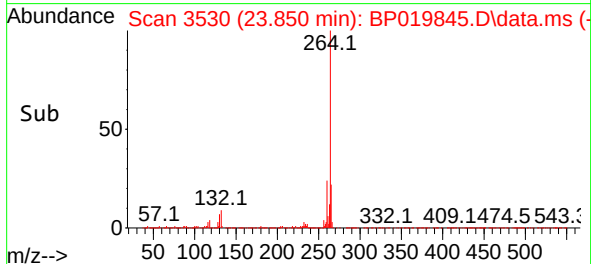
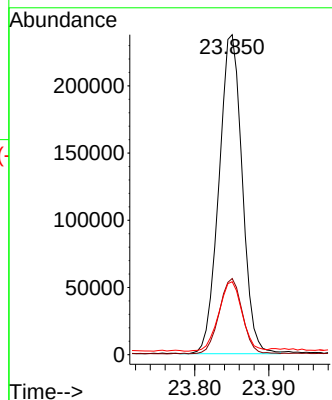
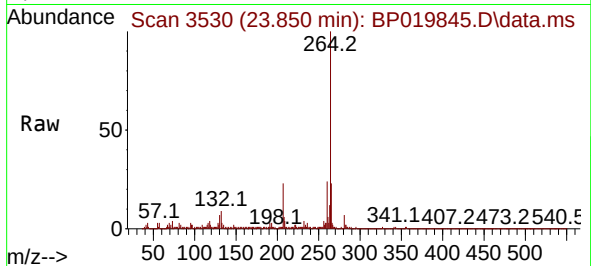




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.850 min Scan# 311
Delta R.T. -0.018 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

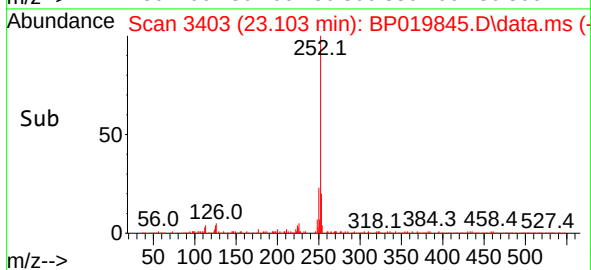
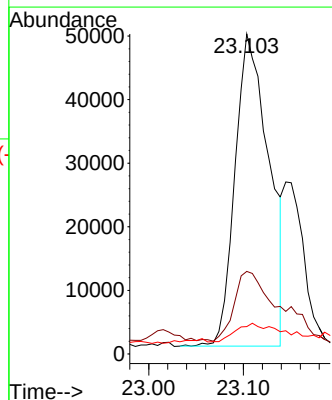
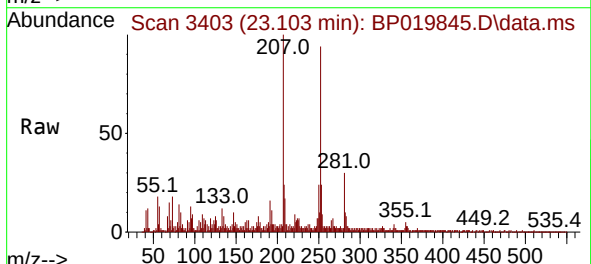
Instrument :
BNA_P
ClientSampleId :
11

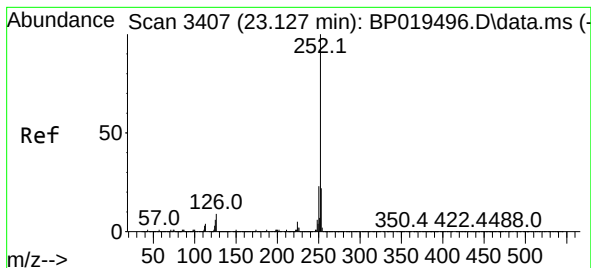
Tgt Ion:264 Resp: 517302
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.8 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 3.738 ng
RT: 23.103 min Scan# 3403
Delta R.T. -0.024 min
Lab File: BP019845.D
Acq: 23 Feb 2024 16:06

Tgt Ion:252 Resp: 121883
Ion Ratio Lower Upper
252 100
253 25.8 17.3 25.9
125 8.5 4.9 7.3#





#89

Benzo(k)fluoranthene

Concen: 3.914 ng

RT: 23.103 min Scan# 34

Delta R.T. -0.071 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Instrument :

BNA_P

ClientSampleId :

11

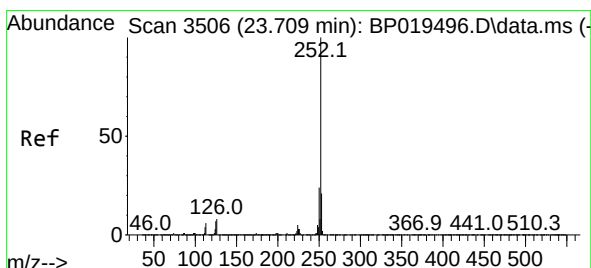
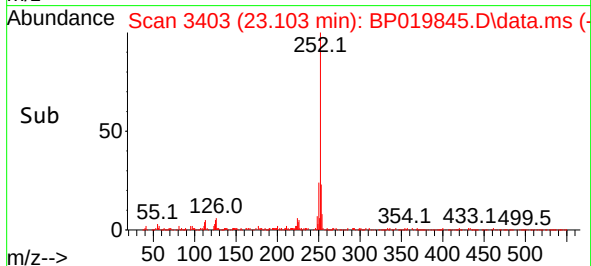
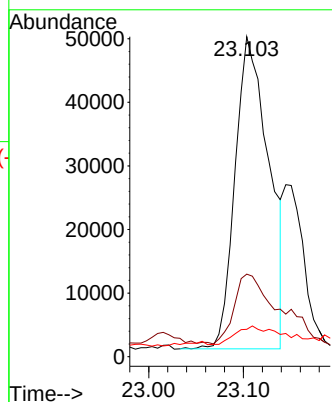
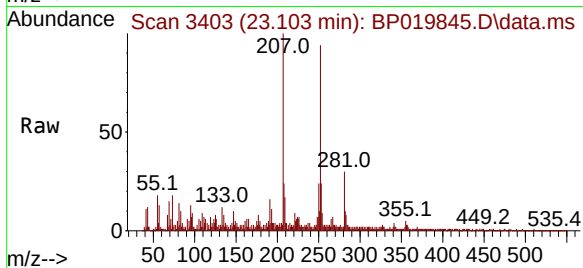
Tgt Ion:252 Resp: 121883

Ion Ratio Lower Upper

252 100

253 25.8 17.1 25.7#

125 8.5 5.0 7.6#



#90

Benzo(a)pyrene

Concen: 2.969 ng

RT: 23.739 min Scan# 3511

Delta R.T. -0.024 min

Lab File: BP019845.D

Acq: 23 Feb 2024 16:06

Tgt Ion:252 Resp: 86141

Ion Ratio Lower Upper

252 100

253 25.7 17.1 25.7

125 9.1 5.6 8.4#

