

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020724\
 Data File : BP019588.D
 Acq On : 07 Feb 2024 11:54
 Operator : MA/JU
 Sample : P1354-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FRAC-TANK-A6014

Quant Time: Feb 07 12:39:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

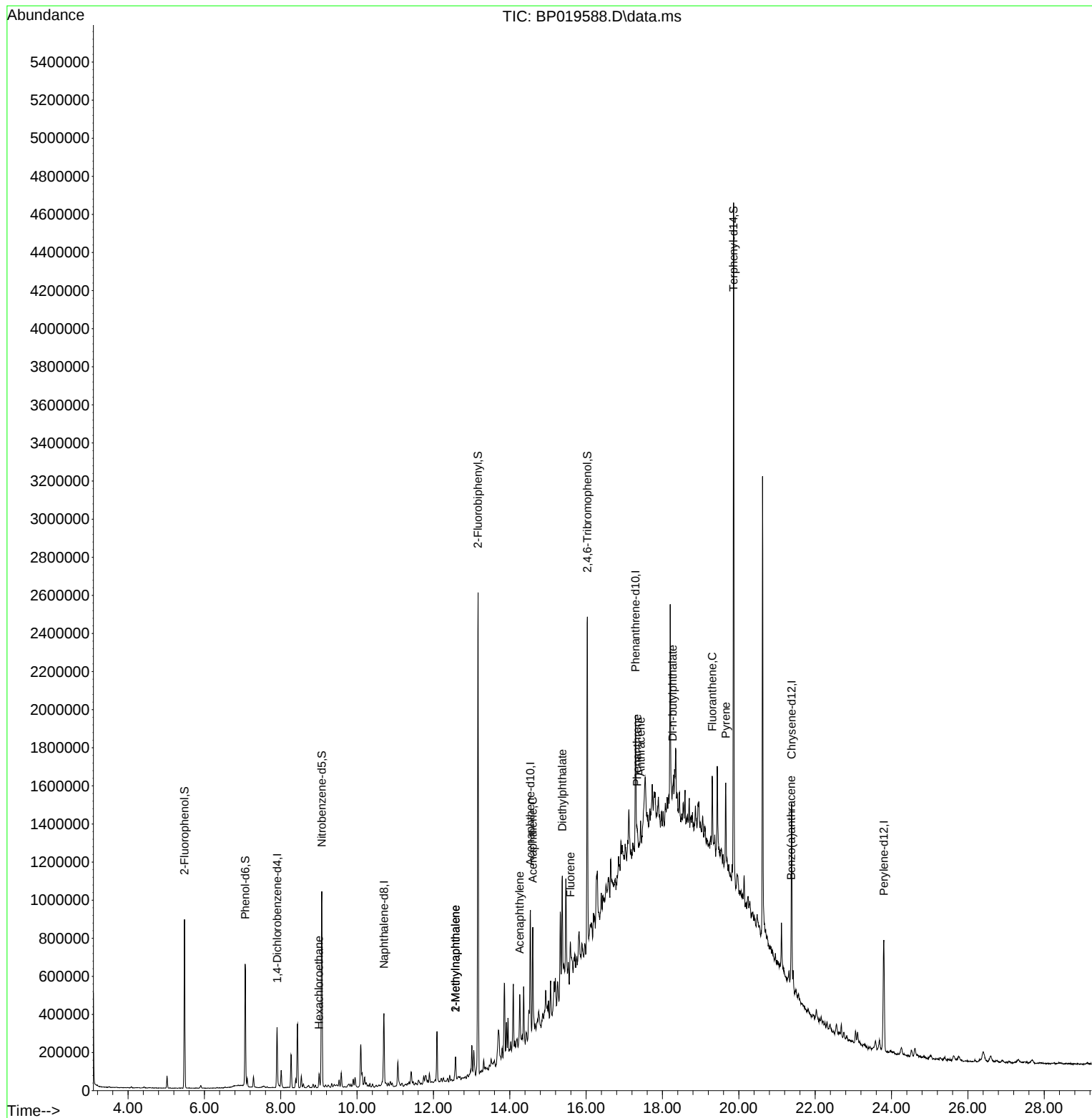
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	81529	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	307060	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	202266	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	437182	20.000	ng	#-0.01
76) Chrysene-d12	21.380	240	472912	20.000	ng	-0.01
86) Perylene-d12	23.798	264	483863	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	362143	71.600	ng	0.00
7) Phenol-d6	7.069	99	349885	51.304	ng	-0.02
23) Nitrobenzene-d5	9.075	82	587911	82.964	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	343482	116.307	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1297723	79.315	ng	-0.01
79) Terphenyl-d14	19.863	244	1709054	59.432	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.004	117	7952	3.187	ng	# 1
37) 2-Methylnaphthalene	12.581	142	42502	3.647	ng	# 92
38) 1-Methylnaphthalene	12.581	142	42613	3.721	ng	# 92
49) Acenaphthylene	14.257	152	118832	6.392	ng	# 94
52) Acenaphthene	14.604	154	198624	17.213	ng	99
58) Fluorene	15.586	166	59882	4.000	ng	91
60) Diethylphthalate	15.375	149	518646	33.675	ng	98
71) Phenanthrene	17.339	178	47560	2.067	ng	# 79
72) Anthracene	17.428	178	84663	3.689	ng	# 88
74) Di-n-butylphthalate	18.269	149	82850	3.286	ng	# 88
75) Fluoranthene	19.304	202	196100	6.977	ng	97
78) Pyrene	19.657	202	279837	8.384	ng	98
81) Benzo(a)anthracene	21.368	228	70644	2.122	ng	93

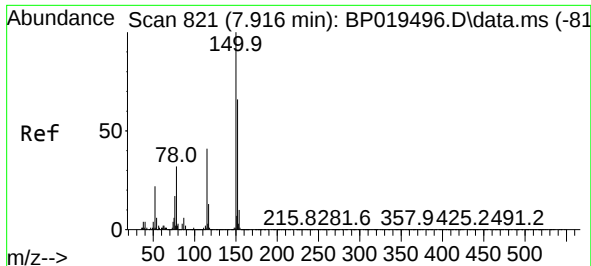
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 01 00:51:48 2024
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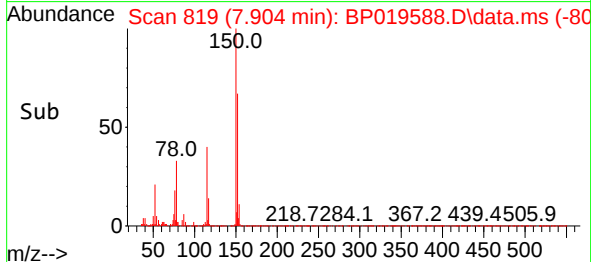
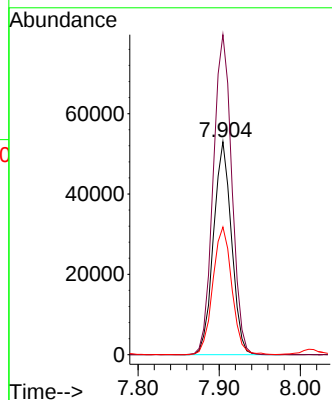
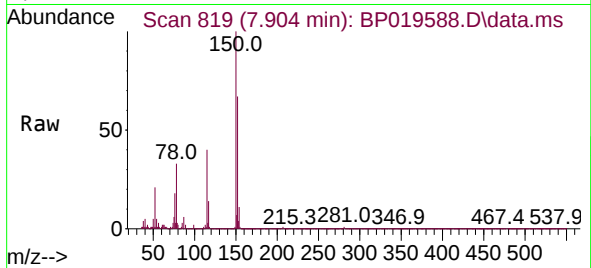




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

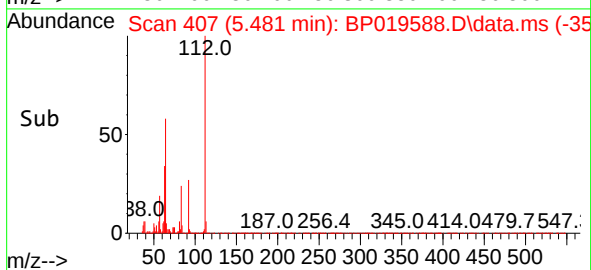
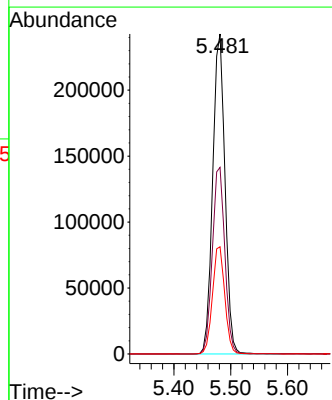
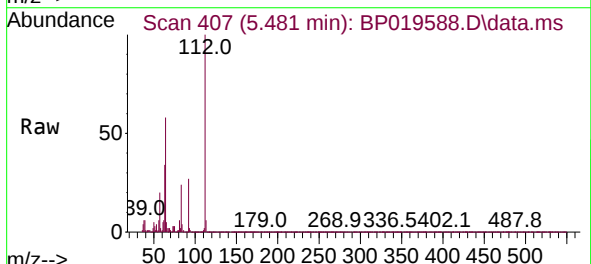
Instrument :
BNA_P
ClientSampleId :
FRAC-TANK-A6014

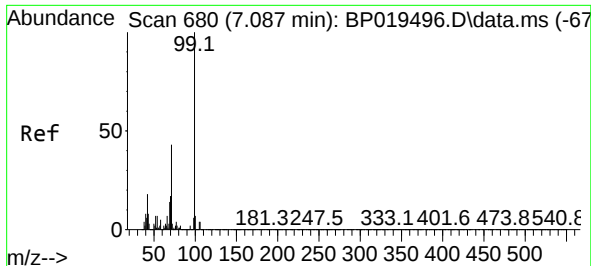
Tgt Ion:152 Resp: 81529
Ion Ratio Lower Upper
152 100
150 150.3 121.8 182.8
115 60.0 49.9 74.9



#5
2-Fluorophenol
Concen: 71.600 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:112 Resp: 362143
Ion Ratio Lower Upper
112 100
64 58.3 47.4 71.0
63 33.5 27.0 40.6

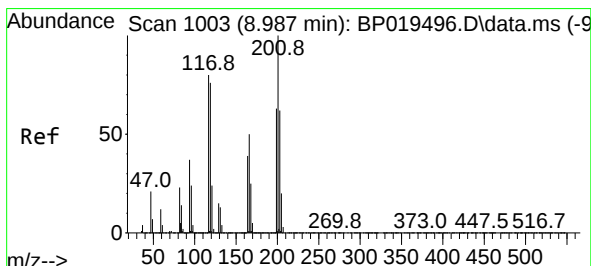
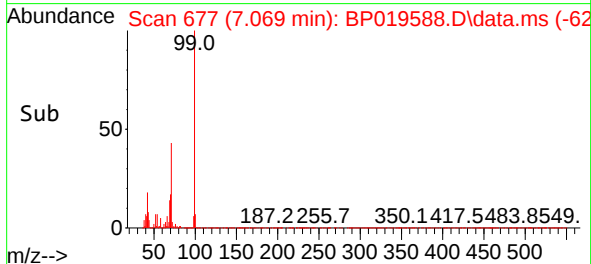
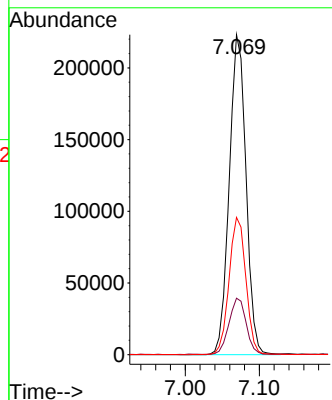
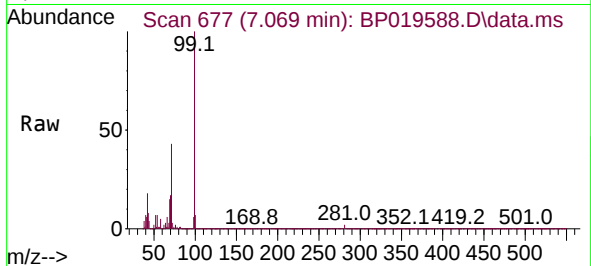




#7
Phenol-d6
Concen: 51.304 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

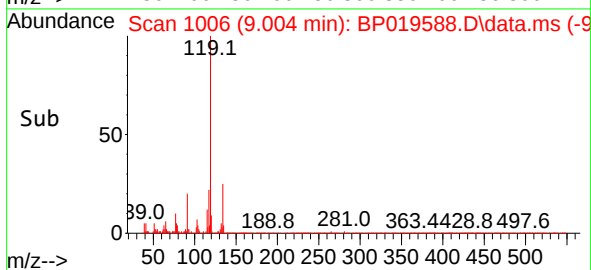
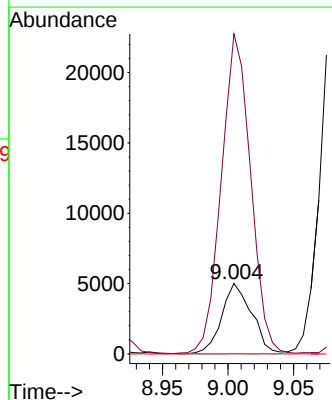
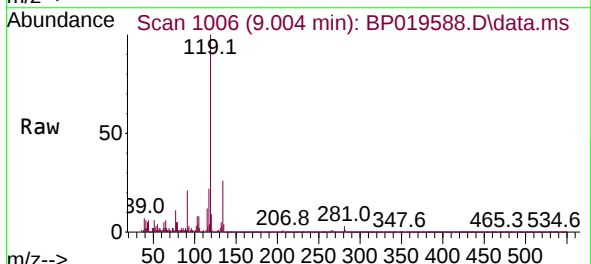
Instrument :
BNA_P
ClientSampleId :
FRAC-TANK-A6014

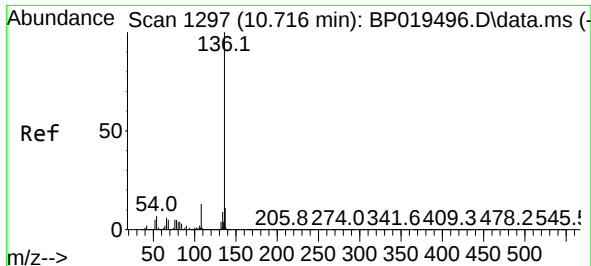
Tgt Ion: 99 Resp: 349885
Ion Ratio Lower Upper
99 100
42 17.6 14.7 22.1
71 42.9 34.8 52.2



#18
Hexachloroethane
Concen: 3.187 ng
RT: 9.004 min Scan# 1006
Delta R.T. 0.018 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion: 117 Resp: 7952
Ion Ratio Lower Upper
117 100
119 453.6 75.5 113.3#
201 0.2 99.4 149.2#

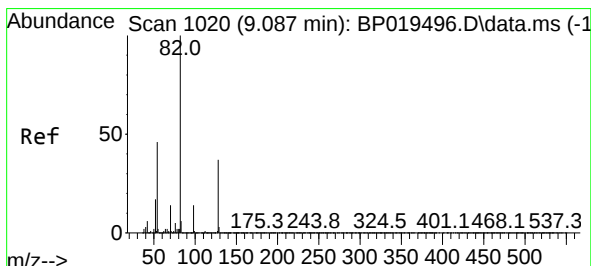
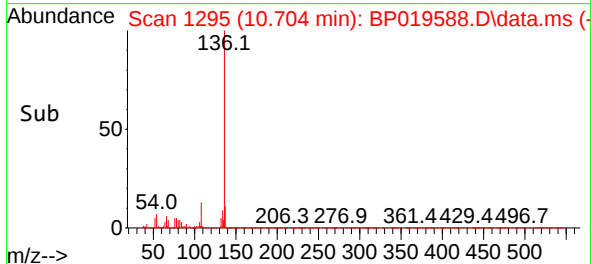
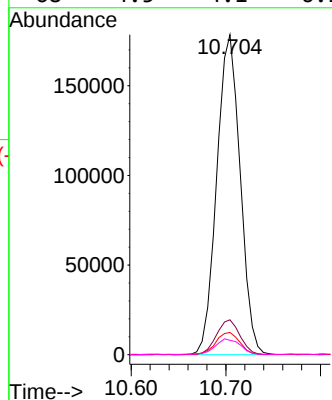
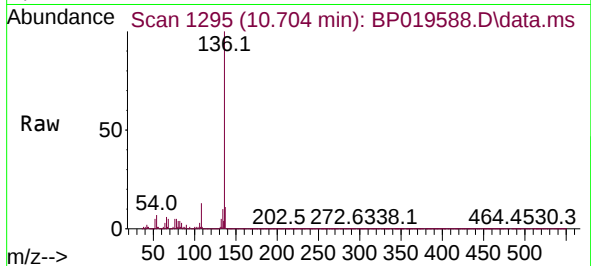




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

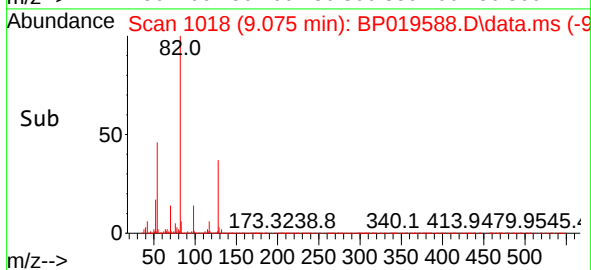
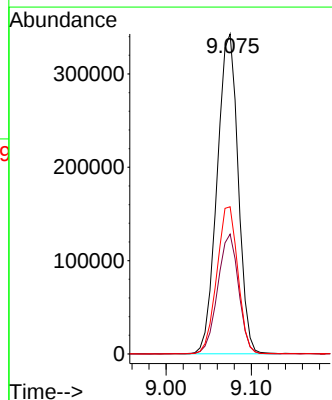
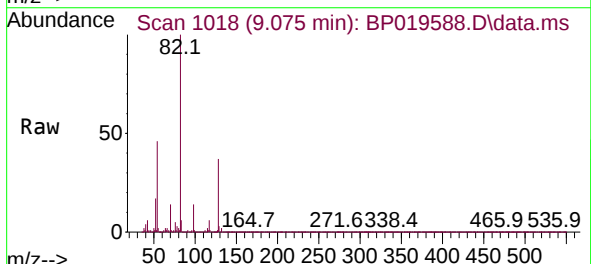
Instrument :
BNA_P
ClientSampleId :
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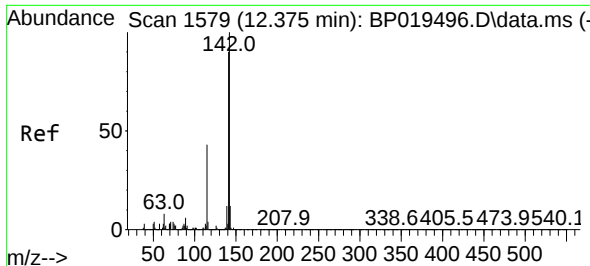
Tgt Ion:	136	Resp:	307060
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.9	5.3	7.9
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 82.964 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:	82	Resp:	587911
Ion	Ratio	Lower	Upper
82	100		
128	37.5	29.7	44.5
54	46.0	36.8	55.2

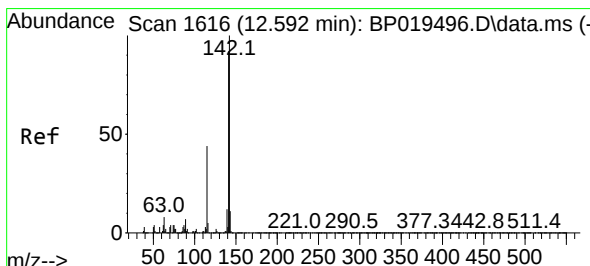
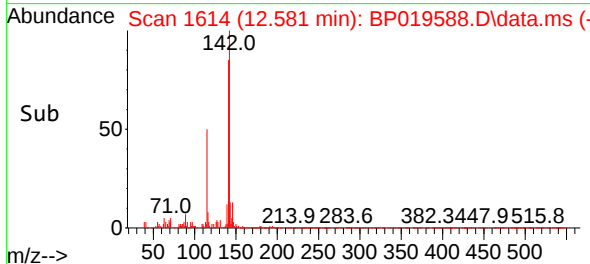
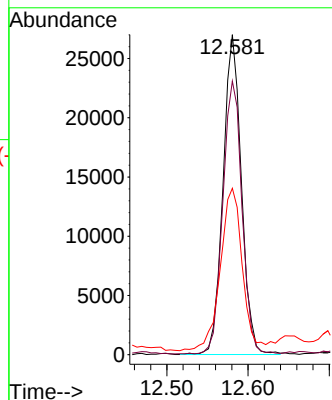
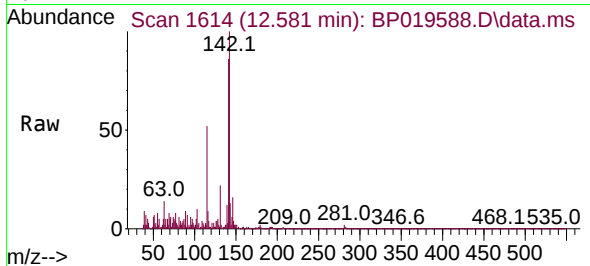




#37
2-Methylnaphthalene
Concen: 3.647 ng
RT: 12.581 min Scan# 1614
Delta R.T. 0.206 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

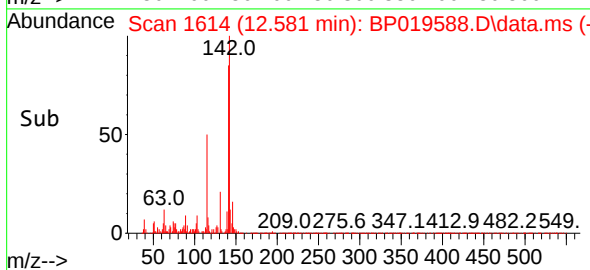
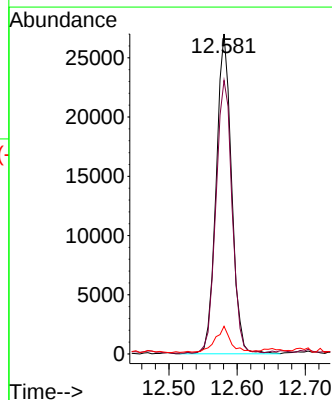
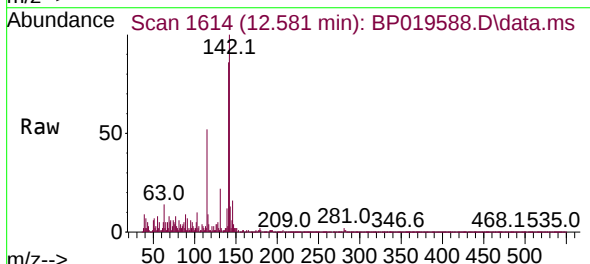
Instrument :
BNA_P
ClientSampleId :
FRAC-TANK-A6014

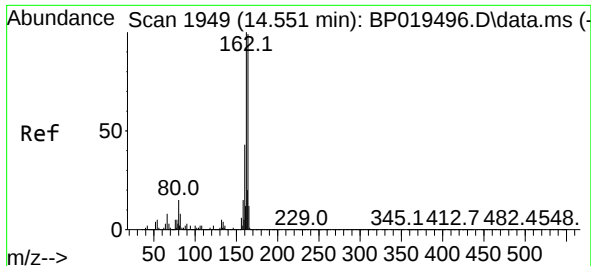
Tgt Ion:142 Resp: 42502
Ion Ratio Lower Upper
142 100
141 85.5 72.2 108.4
115 52.0 34.2 51.2#



#38
1-Methylnaphthalene
Concen: 3.721 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:142 Resp: 42613
Ion Ratio Lower Upper
142 100
141 85.5 74.0 111.0
116 8.6 3.7 5.5#

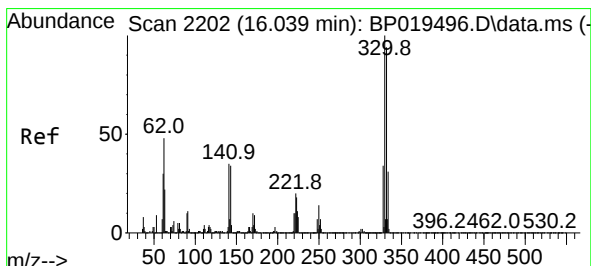
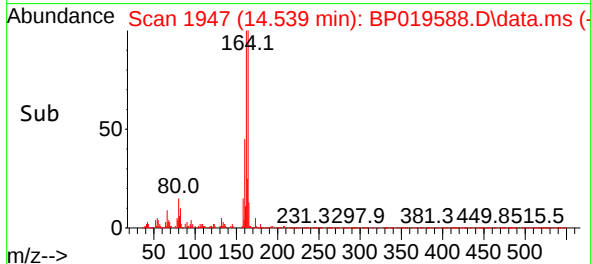
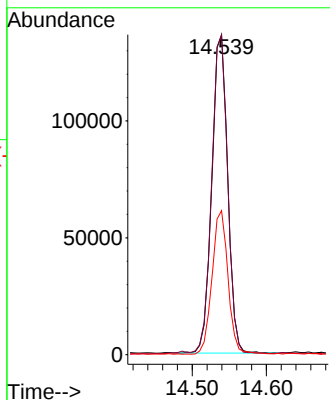
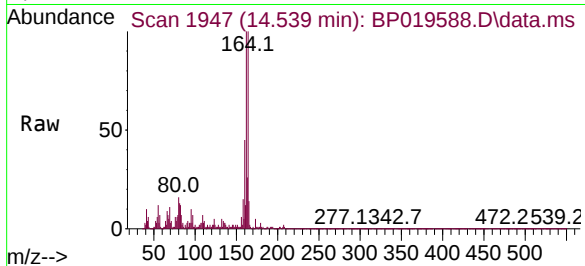




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

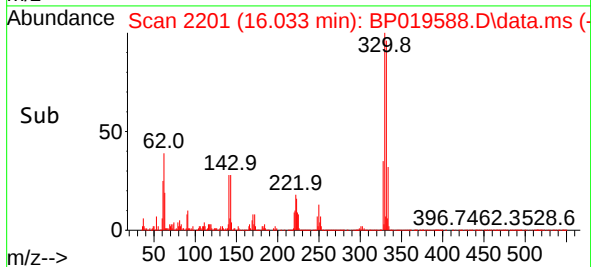
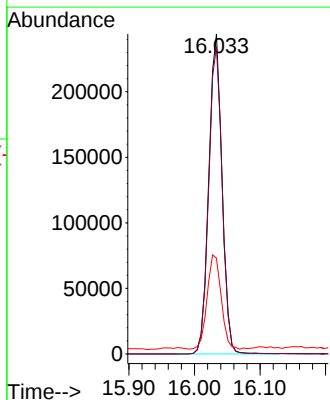
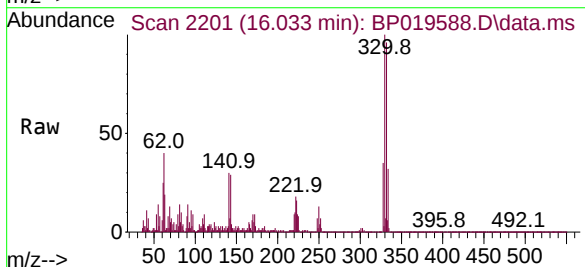
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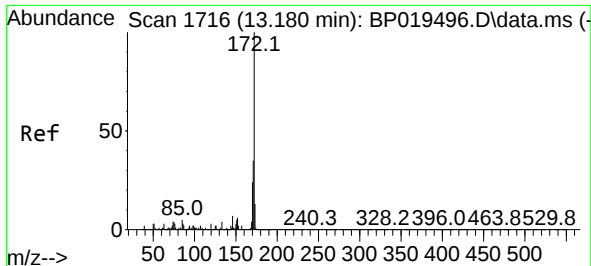
Tgt Ion:164 Resp: 202266
Ion Ratio Lower Upper
164 100
162 99.9 81.2 121.8
160 45.0 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 116.307 ng
RT: 16.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:330 Resp: 343482
Ion Ratio Lower Upper
330 100
332 97.3 77.2 115.8
141 31.3 27.0 40.4

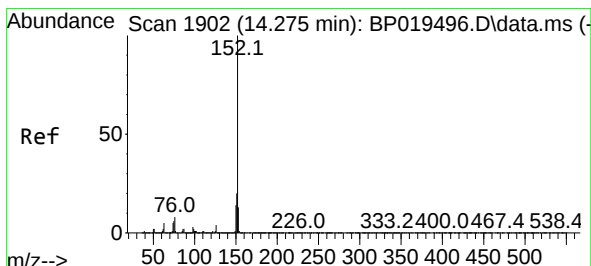
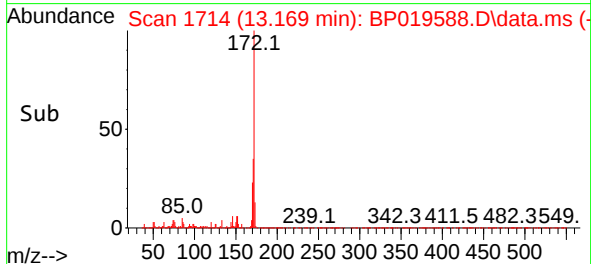
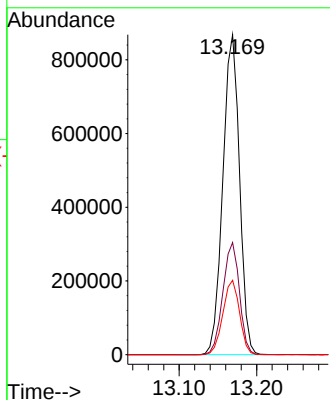
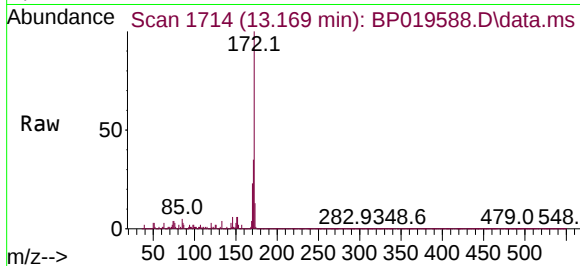




#45
2-Fluorobiphenyl
Concen: 79.315 ng
RT: 13.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

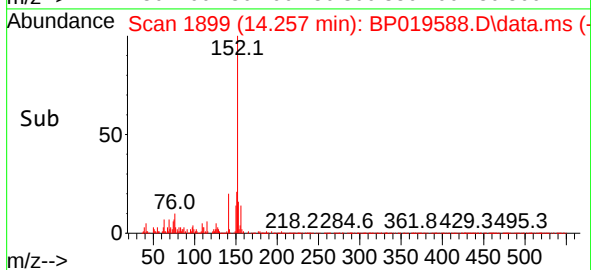
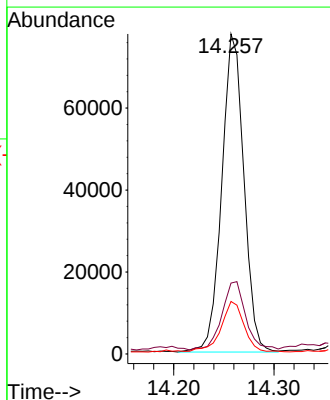
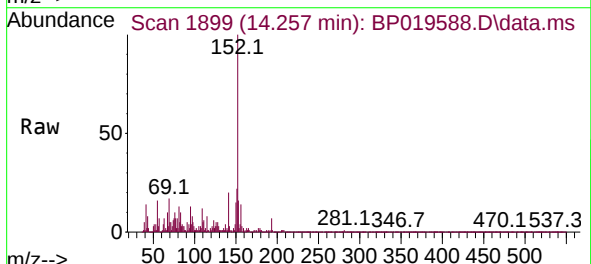
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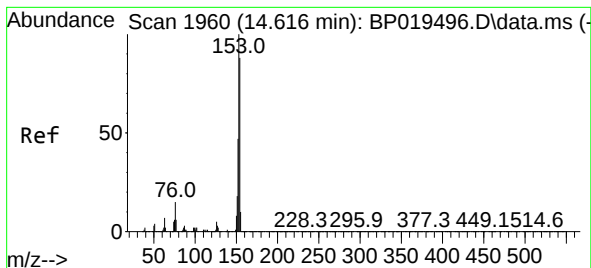
Tgt Ion:172 Resp: 1297723
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.2 18.9 28.3



#49
Acenaphthylene
Concen: 6.392 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.017 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:152 Resp: 118832
Ion Ratio Lower Upper
152 100
151 22.2 15.8 23.6
153 16.4 10.6 15.8#





#52

Acenaphthene

Concen: 17.213 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP019588.D

Acq: 07 Feb 2024 11:54

Instrument :

BNA_P

ClientSampleId :

FRAC-TANK-A6014

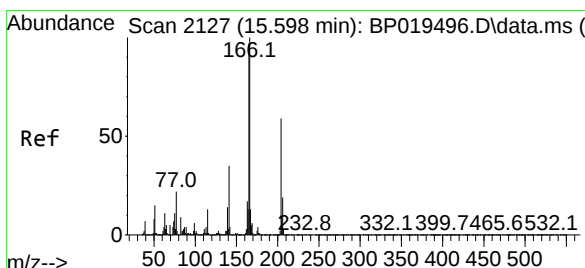
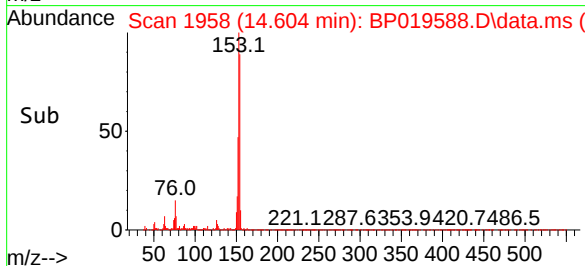
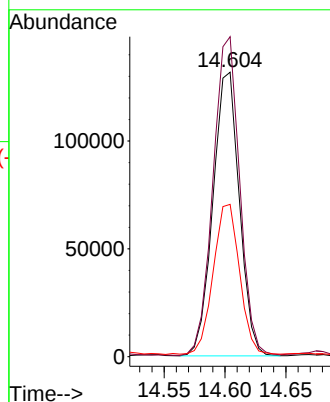
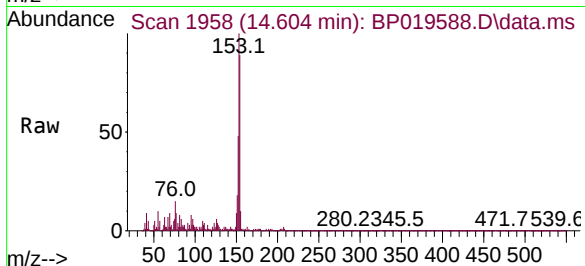
Tgt Ion:154 Resp: 198624

Ion Ratio Lower Upper

154 100

153 112.5 90.5 135.7

152 53.5 42.1 63.1



#58

Fluorene

Concen: 4.000 ng

RT: 15.586 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BP019588.D

Acq: 07 Feb 2024 11:54

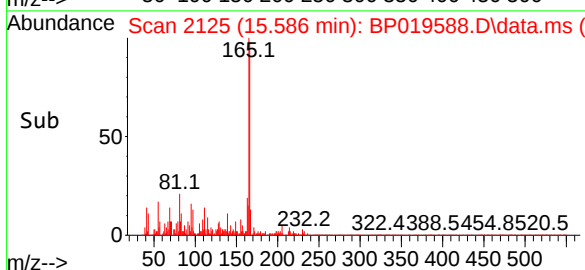
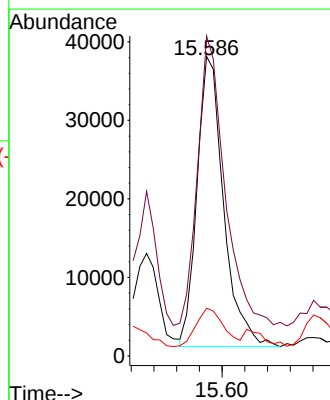
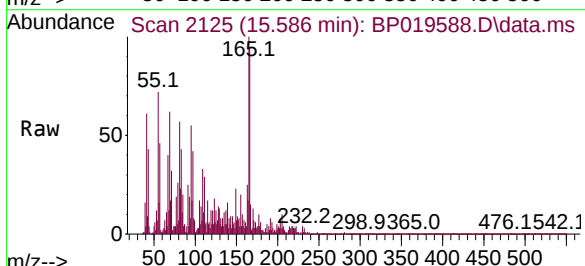
Tgt Ion:166 Resp: 59882

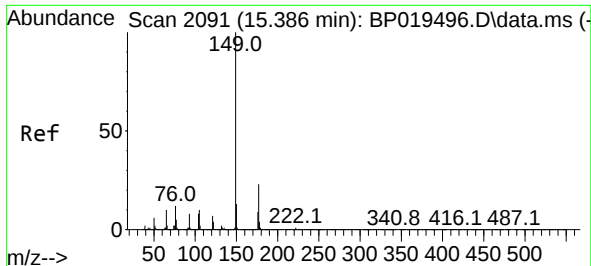
Ion Ratio Lower Upper

166 100

165 106.9 77.8 116.8

167 15.9 10.7 16.1

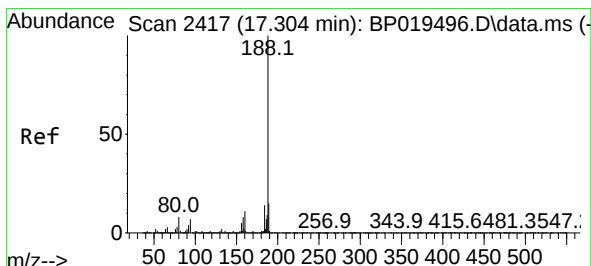
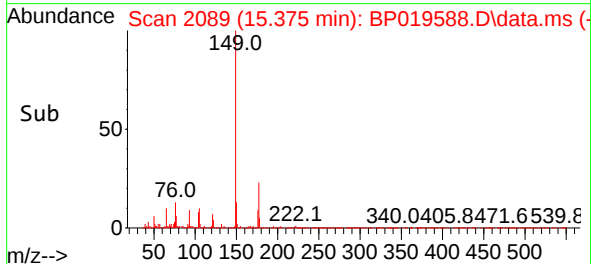
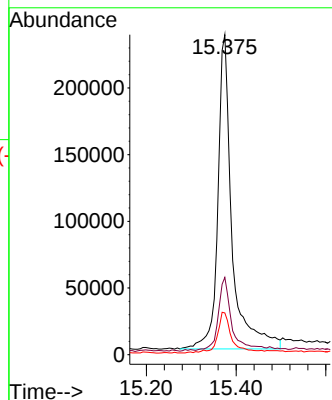
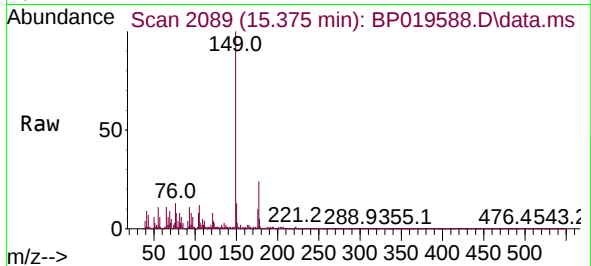




#60
Diethylphthalate
Concen: 33.675 ng
RT: 15.375 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

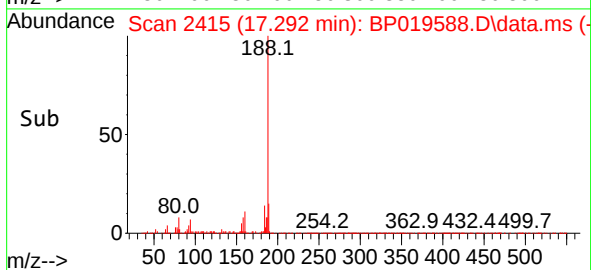
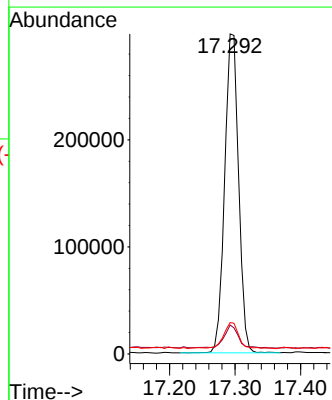
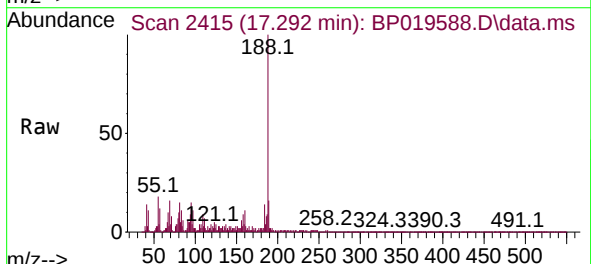
Instrument :
BNA_P
ClientSampleId :
FRAC-TANK-A6014

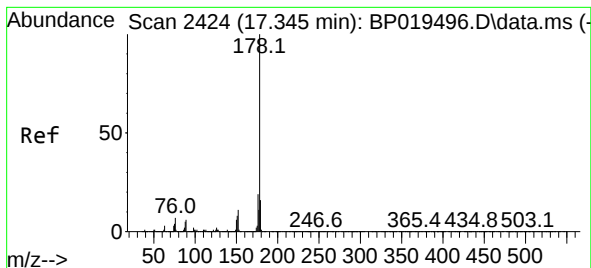
Tgt Ion:149 Resp: 518646
Ion Ratio Lower Upper
149 100
177 24.2 18.2 27.2
150 13.0 10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:188 Resp: 437182
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.2#
80 9.8 6.3 9.5#





#71

Phenanthrene

Concen: 2.067 ng

RT: 17.339 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP019588.D

Acq: 07 Feb 2024 11:54

Instrument :

BNA_P

ClientSampleId :

FRAC-TANK-A6014

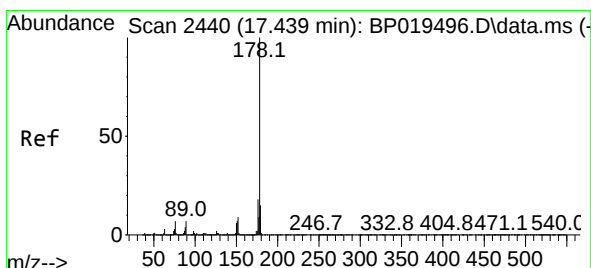
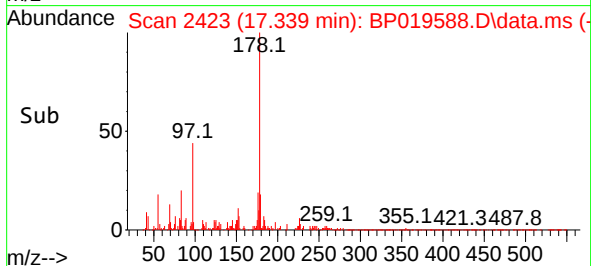
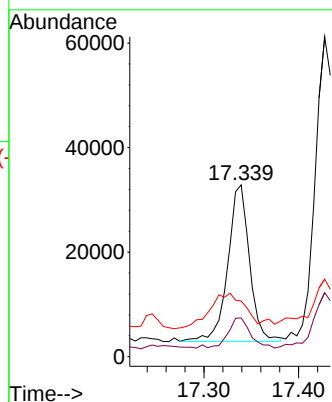
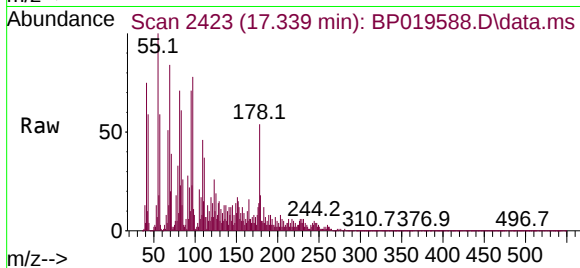
Tgt Ion:178 Resp: 47560

Ion Ratio Lower Upper

178 100

176 22.6 15.5 23.3

179 32.4 12.6 19.0#



#72

Anthracene

Concen: 3.689 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.012 min

Lab File: BP019588.D

Acq: 07 Feb 2024 11:54

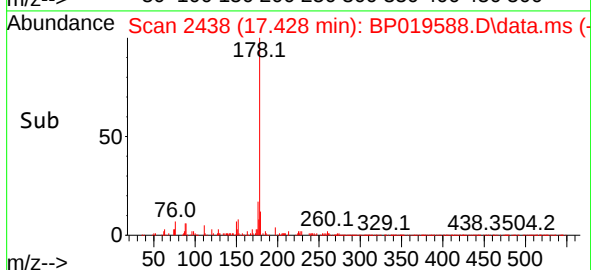
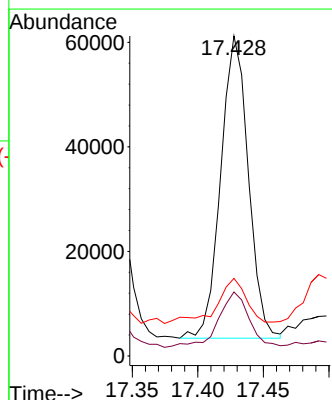
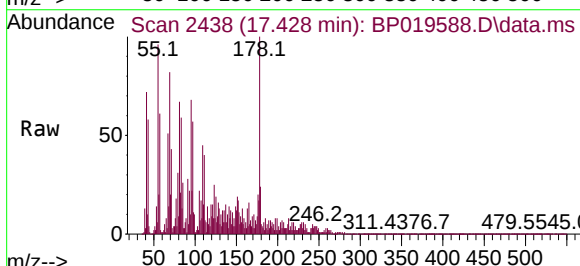
Tgt Ion:178 Resp: 84663

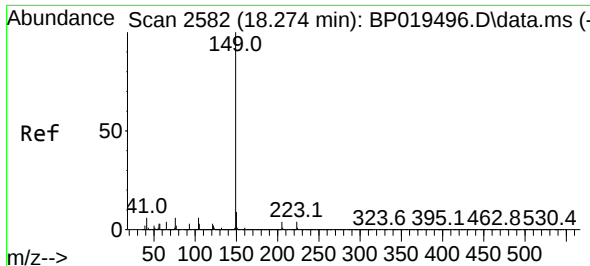
Ion Ratio Lower Upper

178 100

176 20.0 14.7 22.1

179 24.3 12.2 18.2#

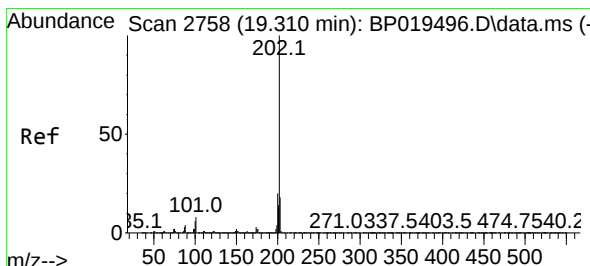
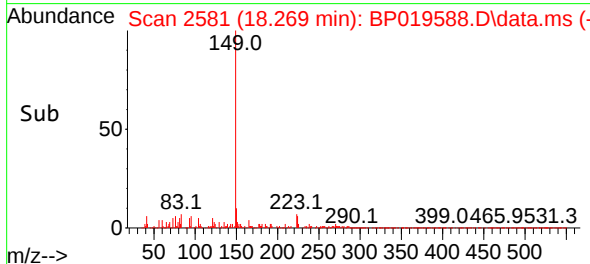
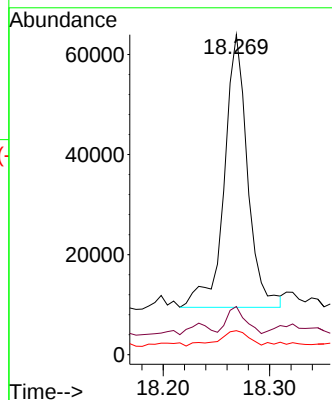
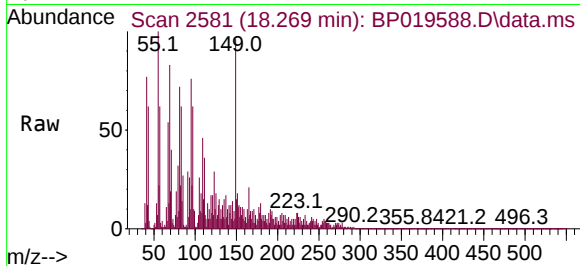




#74
Di-n-butylphthalate
Concen: 3.286 ng
RT: 18.269 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

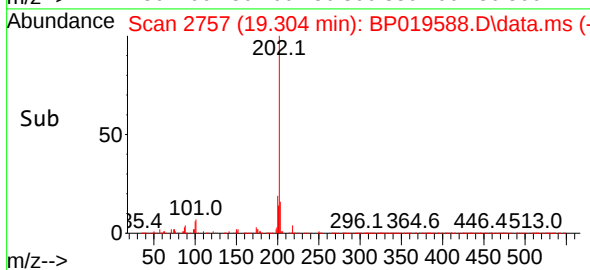
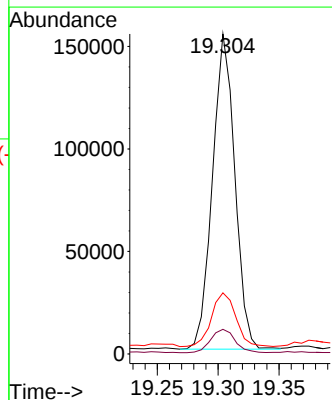
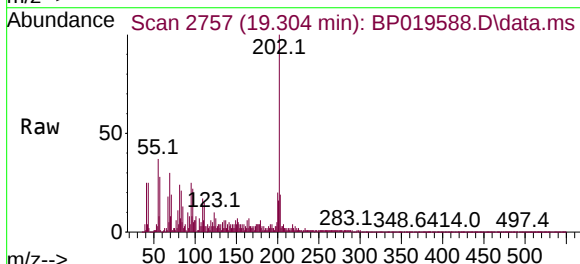
Instrument :
BNA_P
ClientSampleId :
FRAC-TANK-A6014

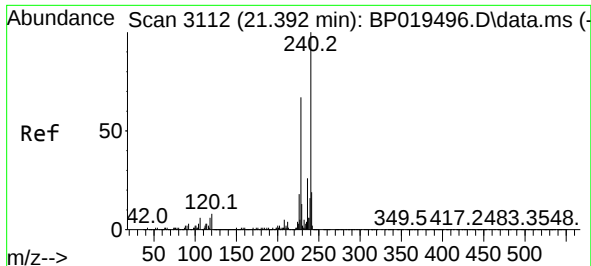
Tgt Ion:149 Resp: 82850
Ion Ratio Lower Upper
149 100
150 15.0 7.3 10.9#
104 7.5 4.8 7.2#



#75
Fluoranthene
Concen: 6.977 ng
RT: 19.304 min Scan# 2757
Delta R.T. -0.006 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:202 Resp: 196100
Ion Ratio Lower Upper
202 100
101 7.7 0.0 27.7
203 19.1 0.0 37.5

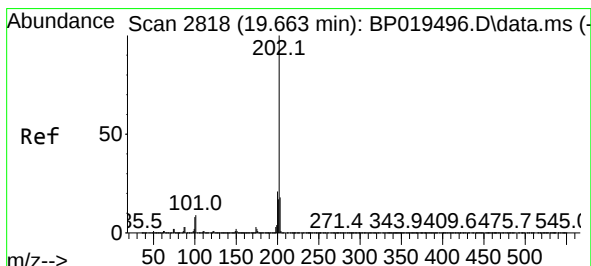
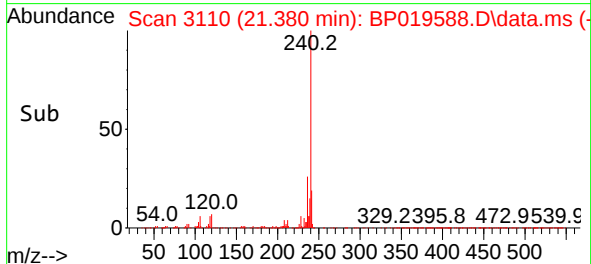
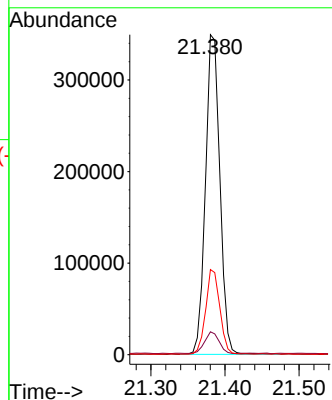
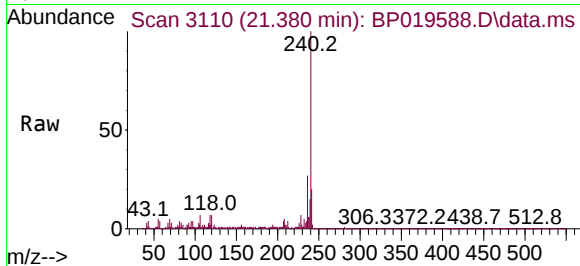




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

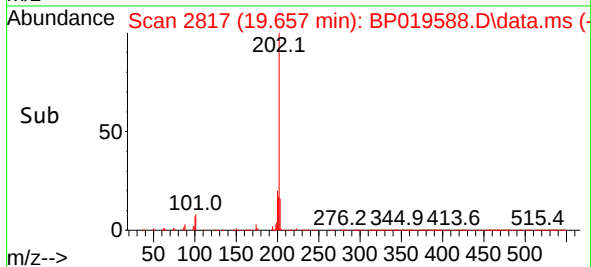
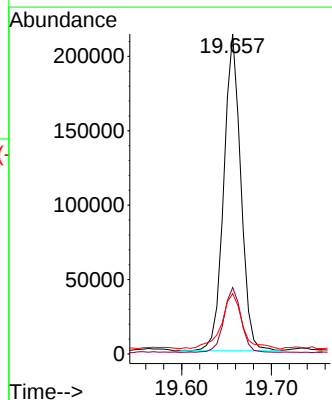
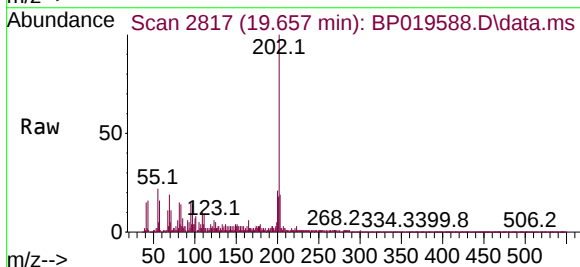
Instrument :
BNA_P
ClientSampleId :
FRAC-TANK-A6014

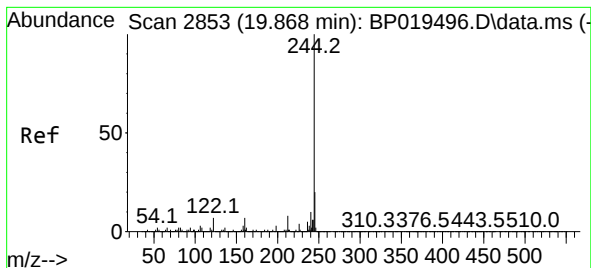
Tgt Ion:240 Resp: 472912
Ion Ratio Lower Upper
240 100
120 7.2 6.1 9.1
236 26.6 20.7 31.1



#78
Pyrene
Concen: 8.384 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019588.D
Acq: 07 Feb 2024 11:54

Tgt Ion:202 Resp: 279837
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 18.9 14.2 21.2





#79

Terphenyl-d14

Concen: 59.432 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019588.D

Acq: 07 Feb 2024 11:54

Instrument :

BNA_P

ClientSampleId :

FRAC-TANK-A6014

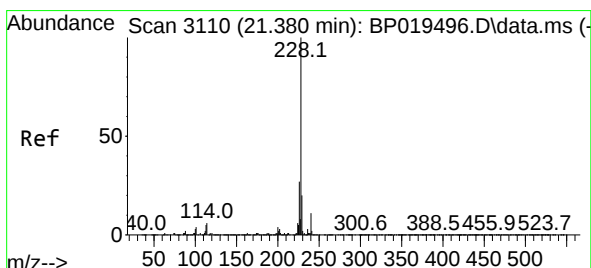
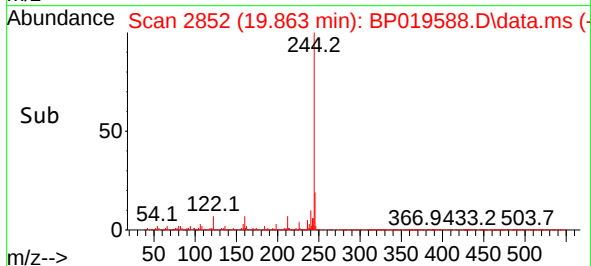
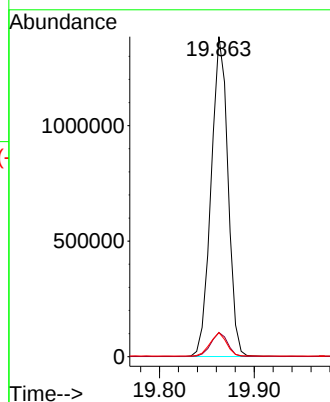
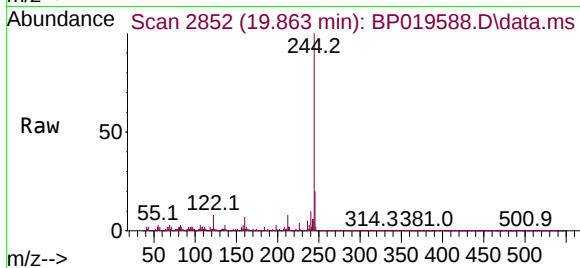
Tgt Ion:244 Resp: 1709054

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.6 5.9 8.9



#81

Benzo(a)anthracene

Concen: 2.122 ng

RT: 21.368 min Scan# 3108

Delta R.T. -0.012 min

Lab File: BP019588.D

Acq: 07 Feb 2024 11:54

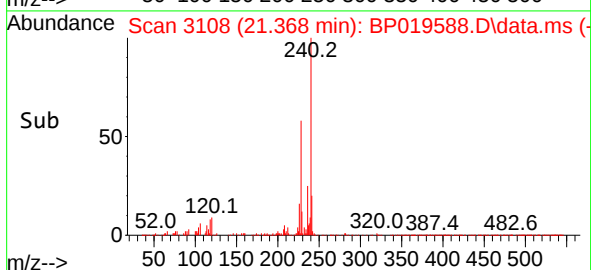
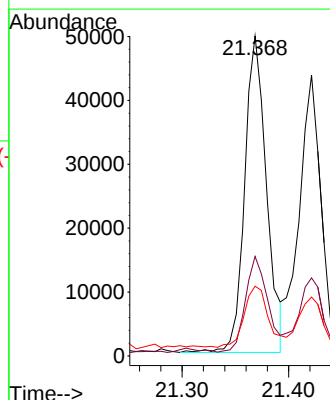
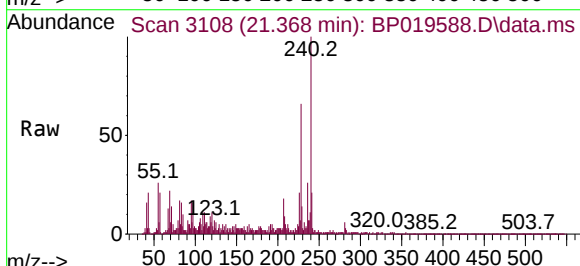
Tgt Ion:228 Resp: 70644

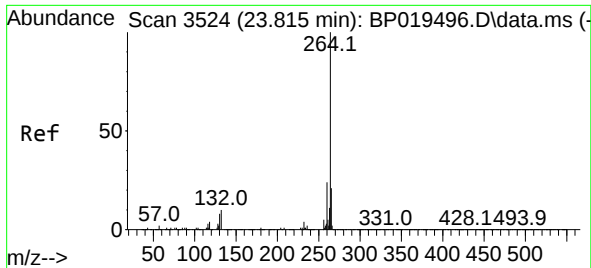
Ion Ratio Lower Upper

228 100

226 31.1 21.7 32.5

229 21.8 15.6 23.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.798 min Scan# 31
 Delta R.T. -0.017 min
 Lab File: BP019588.D
 Acq: 07 Feb 2024 11:54

Instrument :
 BNA_P
 ClientSampleId :
 FRAC-TANK-A6014

Tgt Ion:264 Resp: 483863
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.2 28.8
 265 21.9 17.0 25.4

