

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009405.D
 Acq On : 15 Mar 2022 19:05
 Operator : CG/JU
 Sample : N1918-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-B

Quant Time: Mar 16 01:57:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

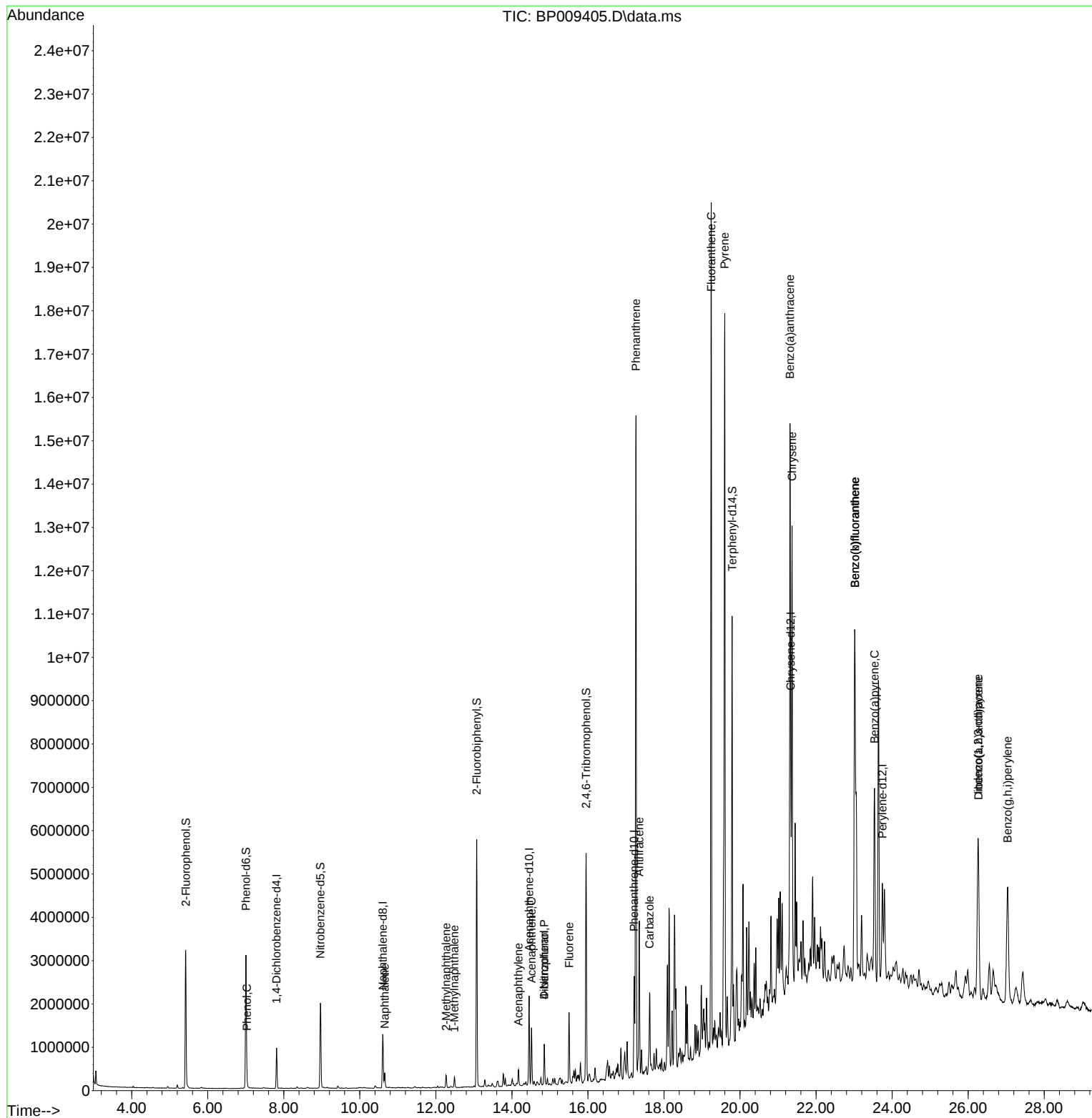
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	284225	20.000	ng	-0.01
21) Naphthalene-d8	10.604	136	1147485	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	763501	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	1602996	20.000	ng	0.00
76) Chrysene-d12	21.333	240	1562940	20.000	ng	# 0.00
86) Perylene-d12	23.745	264	1747099	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1663949	85.455	ng	0.01
7) Phenol-d6	7.005	99	2084209	84.229	ng	0.02
23) Nitrobenzene-d5	8.963	82	1340371	64.337	ng	-0.01
42) 2,4,6-Tribromophenol	15.951	330	1149602	124.695	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	3242908	58.411	ng	-0.01
79) Terphenyl-d14	19.792	244	5048111	60.952	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.034	94	53308	2.080	ng	88
31) Naphthalene	10.657	128	305363	4.805	ng	98
37) 2-Methylnaphthalene	12.269	142	149852	3.319	ng	96
38) 1-Methylnaphthalene	12.487	142	130770	3.145	ng	100
49) Acenaphthylene	14.175	152	270406	3.707	ng	98
52) Acenaphthene	14.516	154	501293	10.721	ng	98
55) Dibenzofuran	14.851	168	584636	8.254	ng	98
56) 4-Nitrophenol	14.851	139	215342	21.920	ng	# 10
58) Fluorene	15.504	166	770645	13.894	ng	97
71) Phenanthrene	17.263	178	10245480	111.213	ng	99
72) Anthracene	17.351	178	2385552	26.016	ng	99
73) Carbazole	17.622	167	1275969	15.271	ng	100
75) Fluoranthene	19.245	202	12854503	120.888	ng	96
78) Pyrene	19.598	202	11751580	111.362	ng	98
81) Benzo(a)anthracene	21.316	228	7064080	66.683	ng	97
83) Chrysene	21.369	228	6179638	60.082	ng	97
87) Indeno(1,2,3-cd)pyrene	26.262	276	4147092	30.552	ng	# 91
88) Benzo(b)fluoranthene	23.021	252	10896676	92.375	ng	99
89) Benzo(k)fluoranthene	23.021	252	10899777	96.720	ng	98
90) Benzo(a)pyrene	23.539	252	3950186	35.307	ng	96
91) Dibenzo(a,h)anthracene	26.268	278	1174002	10.200	ng	# 80
92) Benzo(g,h,i)perylene	27.039	276	4012043	35.284	ng	# 94

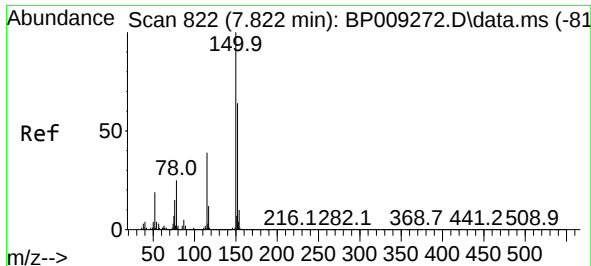
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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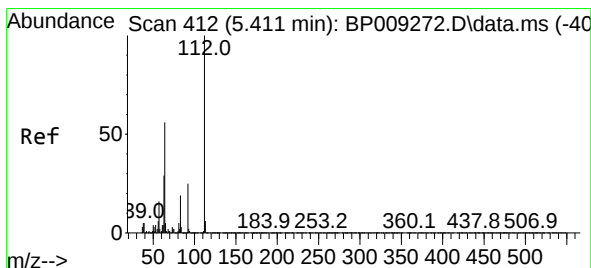
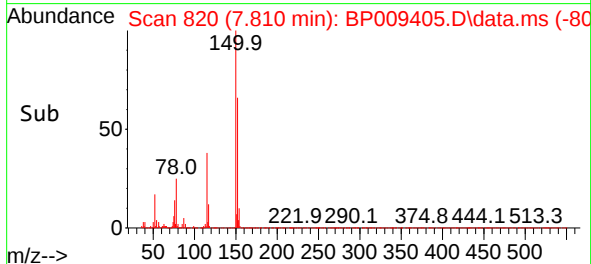
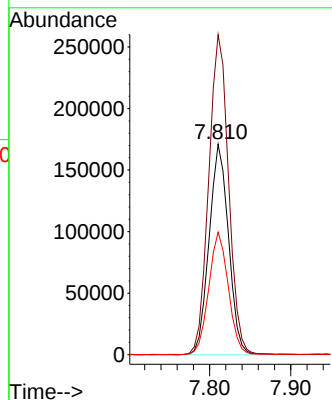
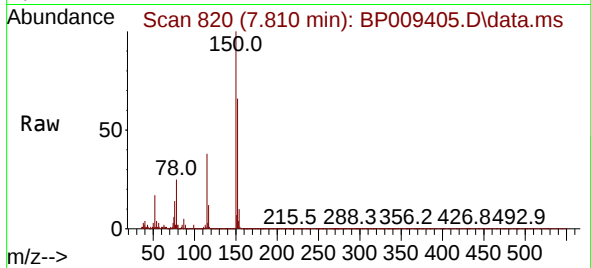




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.810 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

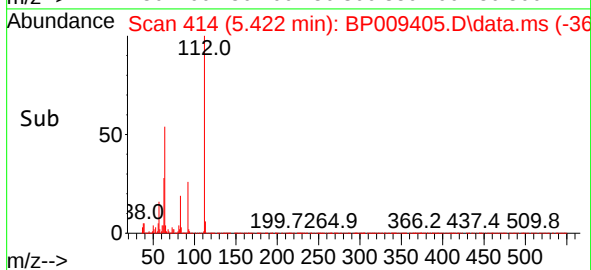
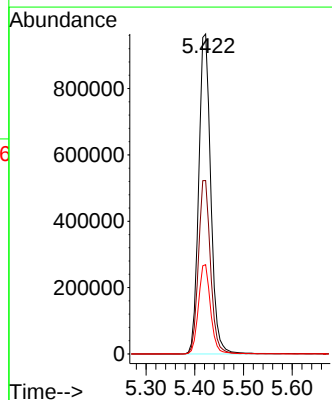
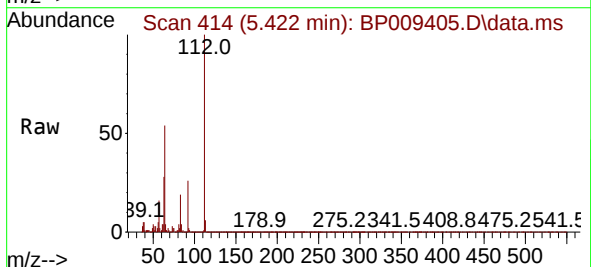
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-B

Tgt Ion:152 Resp: 284225
 Ion Ratio Lower Upper
 152 100
 150 152.1 124.5 186.7
 115 58.3 48.2 72.4



#5
 2-Fluorophenol
 Concen: 85.455 ng
 RT: 5.422 min Scan# 414
 Delta R.T. 0.011 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

Tgt Ion:112 Resp: 1663949
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.0 67.4
 63 27.9 23.0 34.6



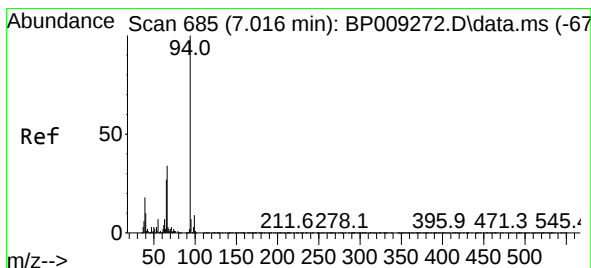
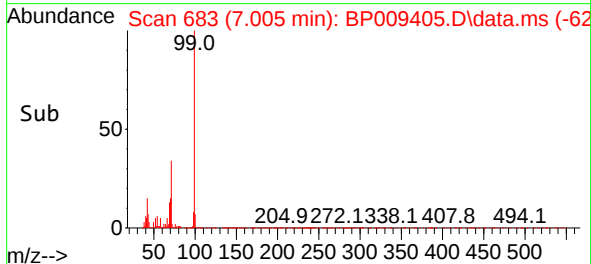
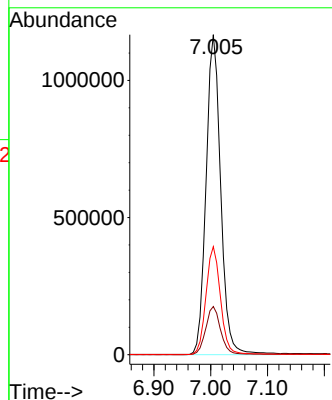
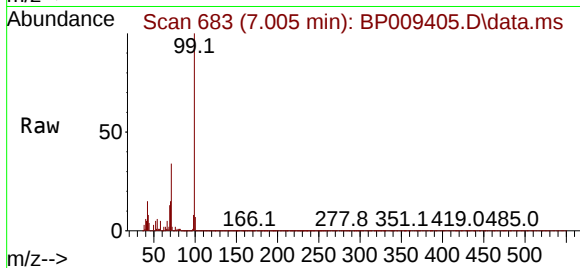


#7
Phenol-d6
Concen: 84.229 ng
RT: 7.005 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

Tgt Ion: 99 Resp: 2084209

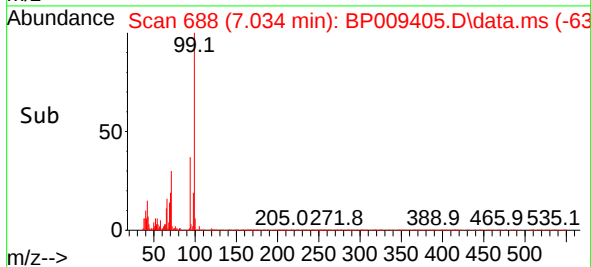
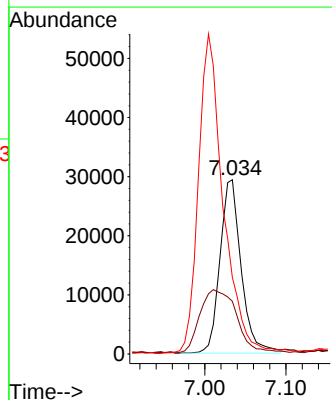
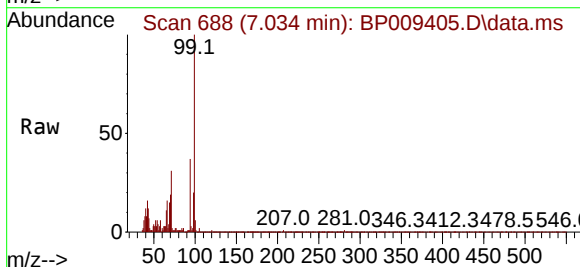
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.8	19.2
71	33.8	26.3	39.5

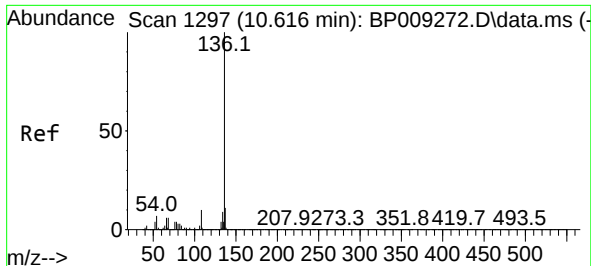


#10
Phenol
Concen: 2.080 ng
RT: 7.034 min Scan# 688
Delta R.T. 0.018 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion: 94 Resp: 53308

Ion	Ratio	Lower	Upper
94	100		
65	30.2	7.2	47.2
66	43.9	14.3	54.3

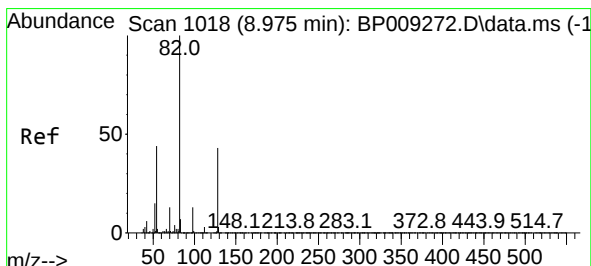
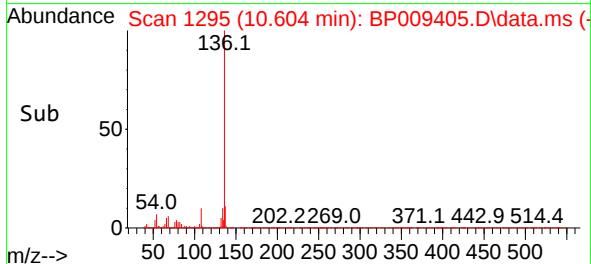
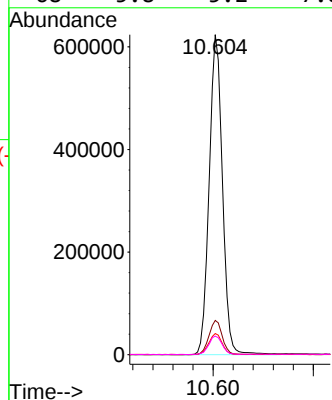
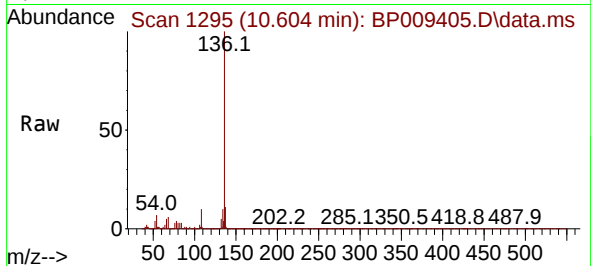




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

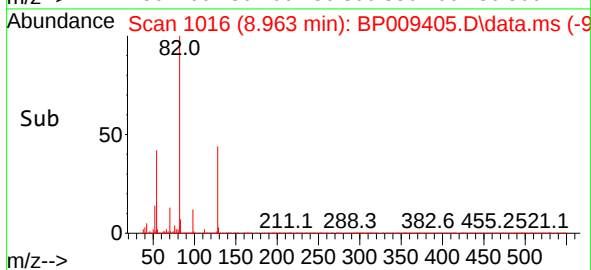
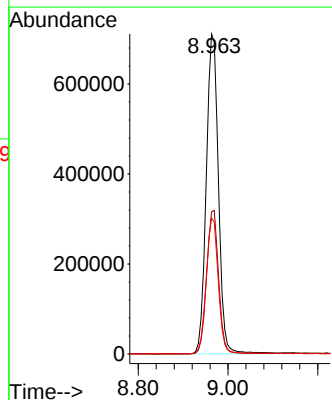
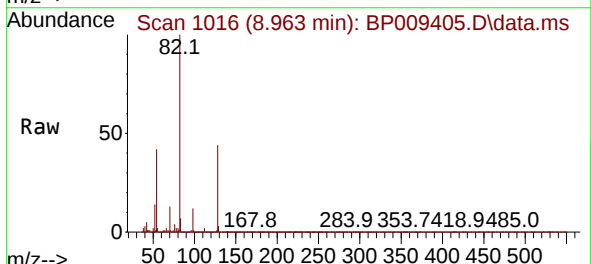
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

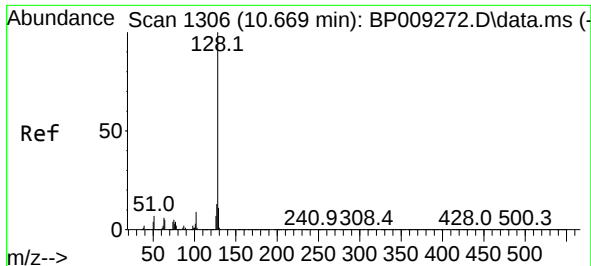
Tgt Ion:136 Resp: 1147485
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.6 5.8 8.8
68 5.8 5.2 7.8



#23
Nitrobenzene-d5
Concen: 64.337 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion: 82 Resp: 1340371
Ion Ratio Lower Upper
82 100
128 44.5 34.2 51.4
54 42.4 34.7 52.1

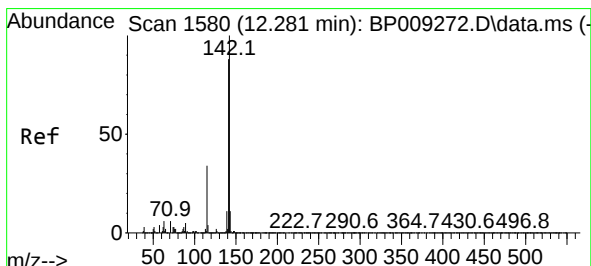
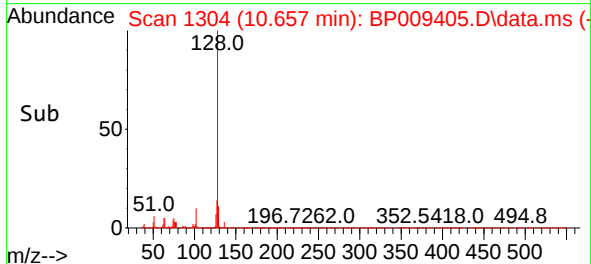
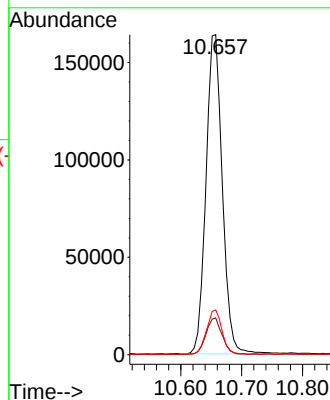
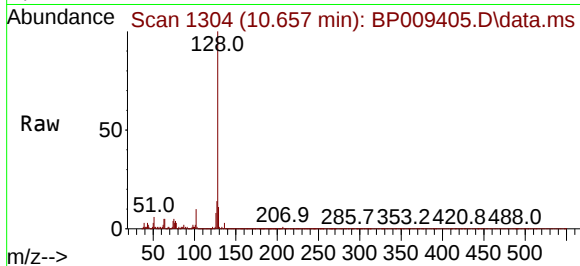




#31
Naphthalene
Concen: 4.805 ng
RT: 10.657 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

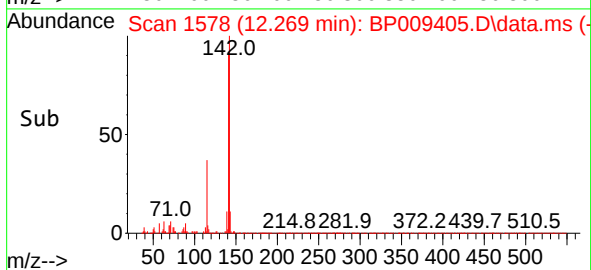
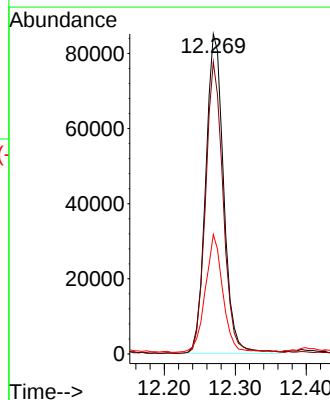
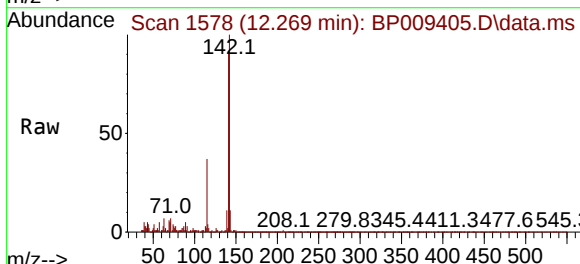
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

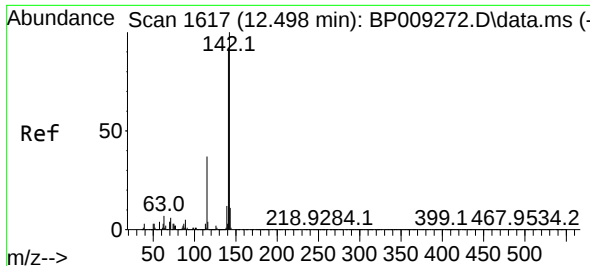
Tgt Ion:128 Resp: 305363
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 14.0 10.5 15.7



#37
2-Methylnaphthalene
Concen: 3.319 ng
RT: 12.269 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:142 Resp: 149852
Ion Ratio Lower Upper
142 100
141 91.3 70.2 105.4
115 37.3 27.4 41.2

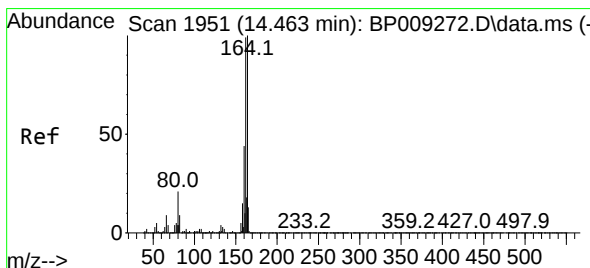
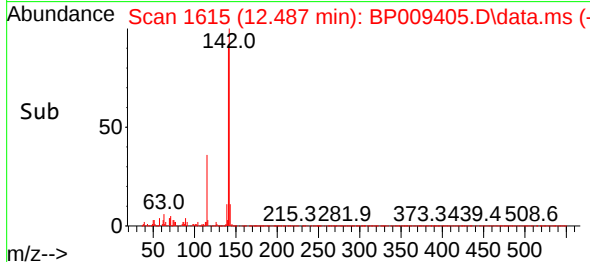
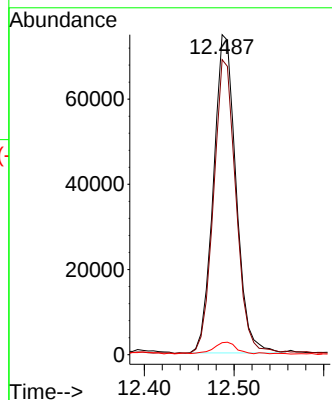
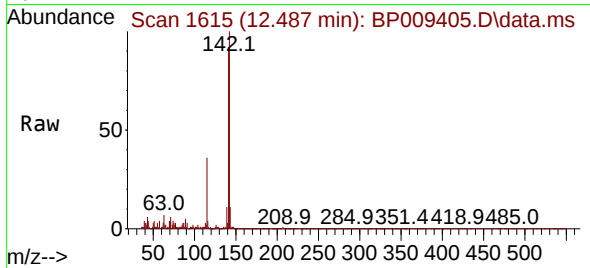




#38
1-Methylnaphthalene
Concen: 3.145 ng
RT: 12.487 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

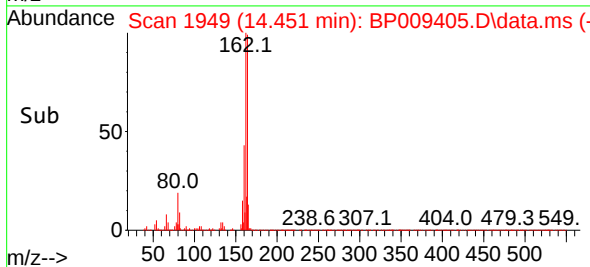
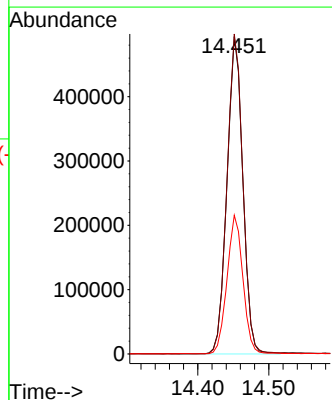
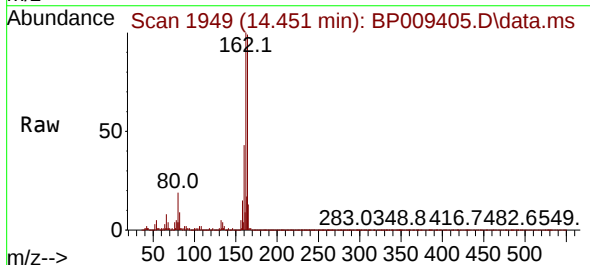
Instrument :
BNA_P
ClientSampleId :
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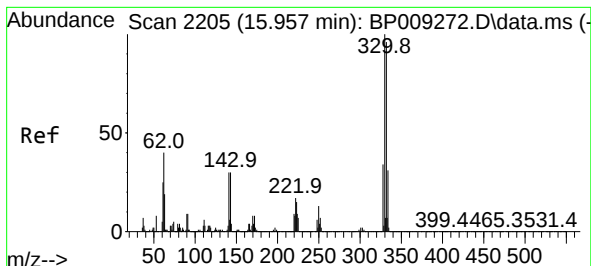
Tgt Ion:142 Resp: 130770
Ion Ratio Lower Upper
142 100
141 92.2 73.5 110.3
116 3.7 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:164 Resp: 763501
Ion Ratio Lower Upper
164 100
162 100.8 79.1 118.7
160 43.7 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 124.695 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009405.D

Acq: 15 Mar 2022 19:05

Instrument :

BNA_P

ClientSampleId :

JDSH-TB-STOCKPILE-B

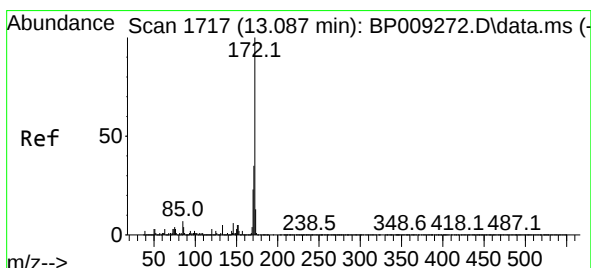
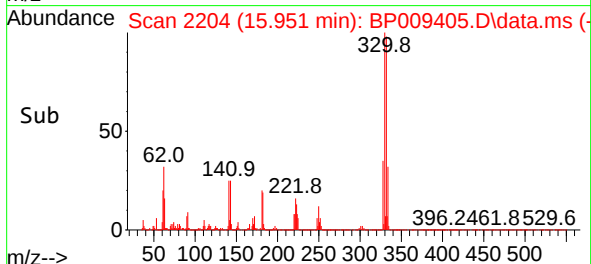
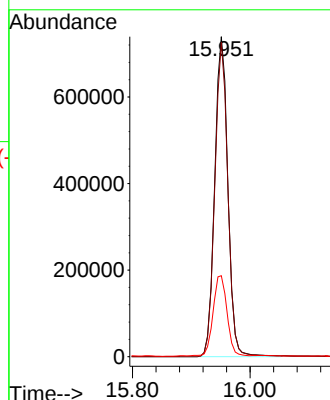
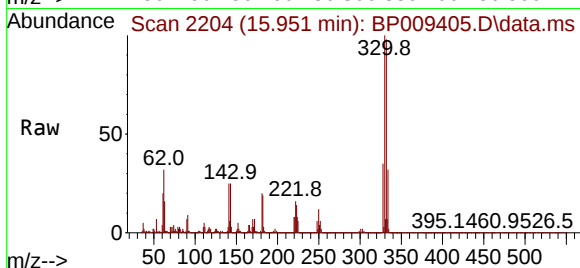
Tgt Ion:330 Resp: 1149602

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 27.0 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 58.411 ng

RT: 13.075 min Scan# 1715

Delta R.T. -0.012 min

Lab File: BP009405.D

Acq: 15 Mar 2022 19:05

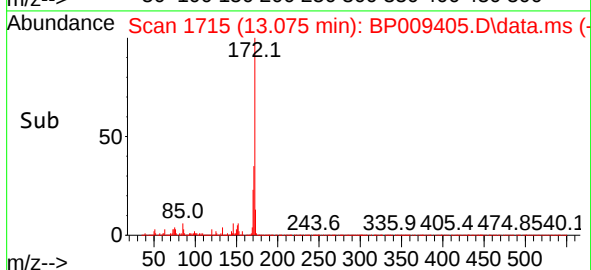
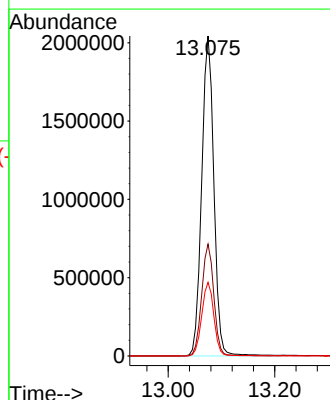
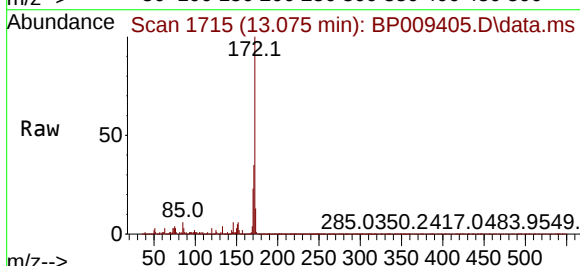
Tgt Ion:172 Resp: 3242908

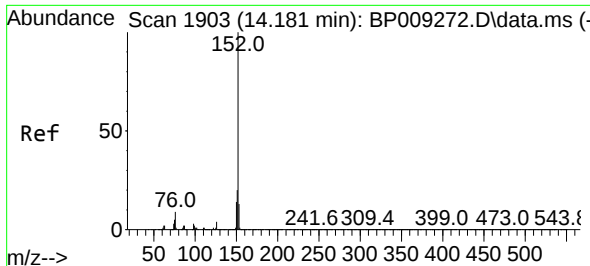
Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.0 18.6 27.8

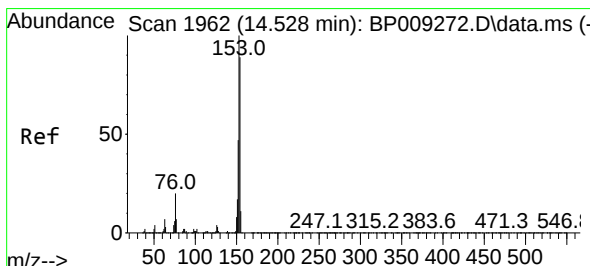
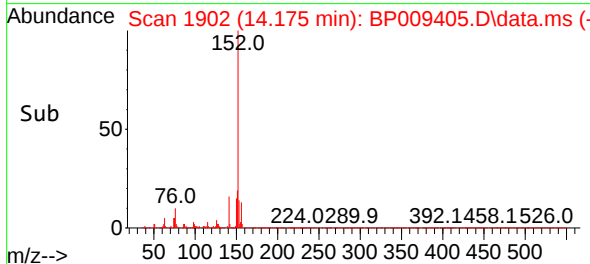
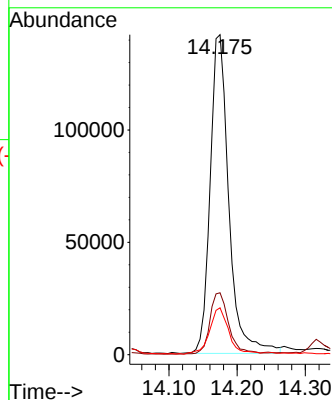
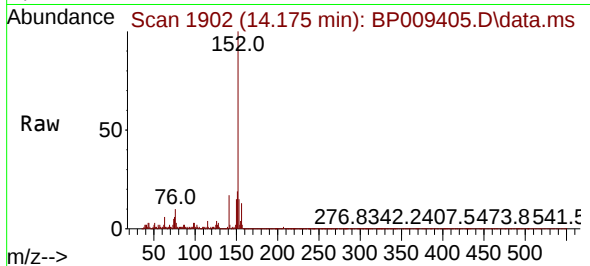




#49
Acenaphthylene
Concen: 3.707 ng
RT: 14.175 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

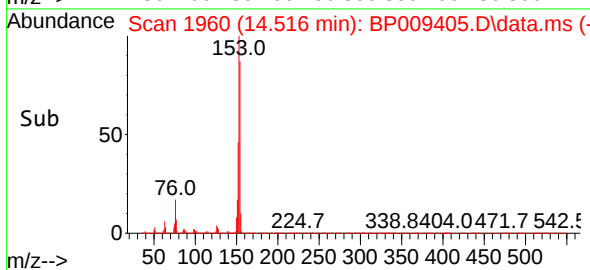
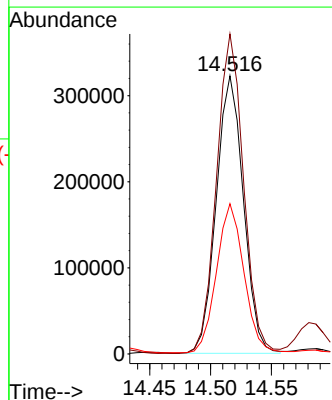
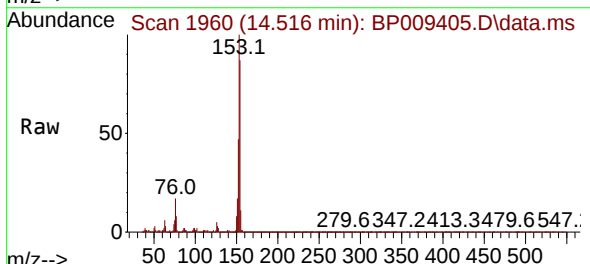
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

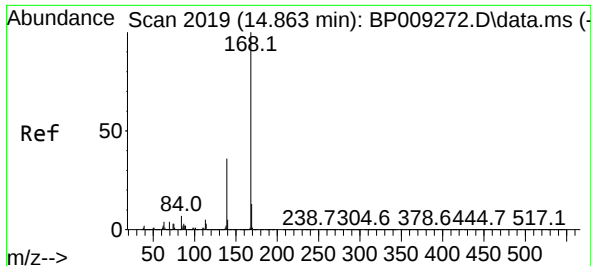
Tgt Ion:152 Resp: 270406
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 14.7 10.7 16.1



#52
Acenaphthene
Concen: 10.721 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:154 Resp: 501293
Ion Ratio Lower Upper
154 100
153 115.1 90.2 135.4
152 54.1 42.7 64.1

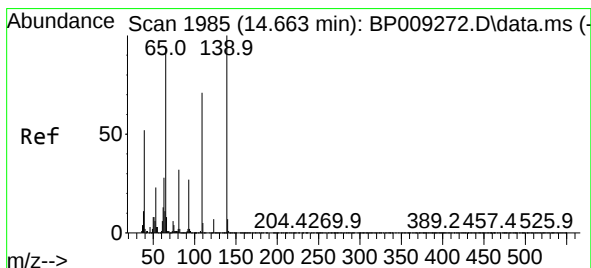
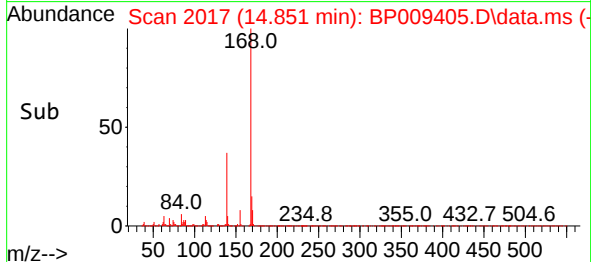
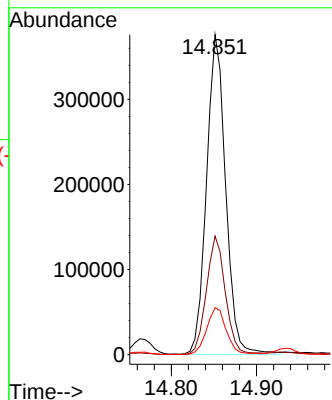
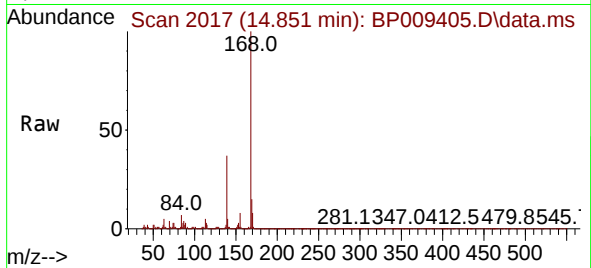




#55
Dibenzenofuran
Concen: 8.254 ng
RT: 14.851 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

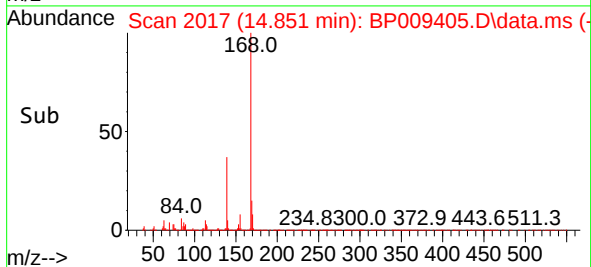
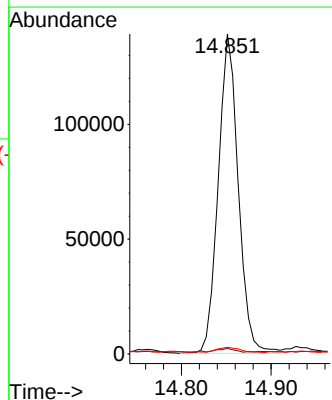
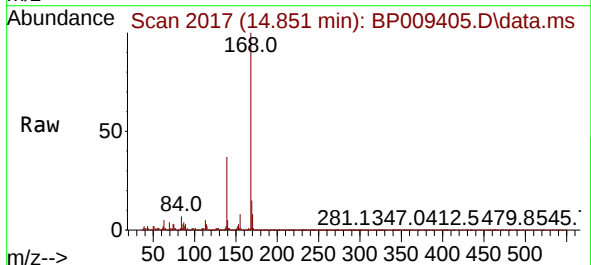
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

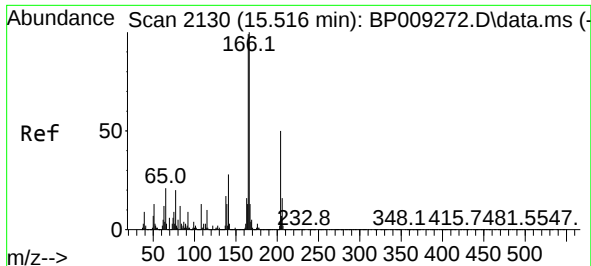
Tgt Ion:168 Resp: 584636
Ion Ratio Lower Upper
168 100
139 37.1 29.1 43.7
169 14.6 10.6 16.0



#56
4-Nitrophenol
Concen: 21.920 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.188 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:139 Resp: 215342
Ion Ratio Lower Upper
139 100
109 1.8 51.2 91.2#
65 2.1 73.2 113.2#

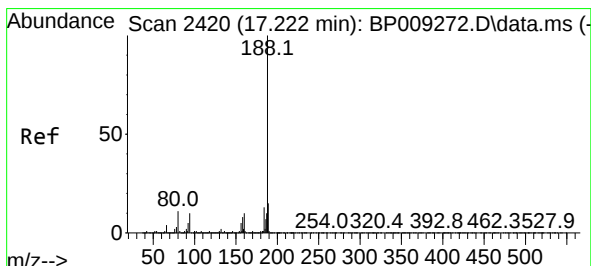
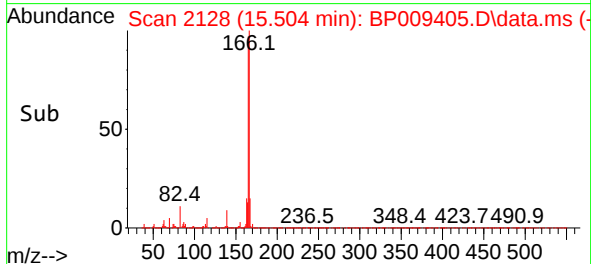
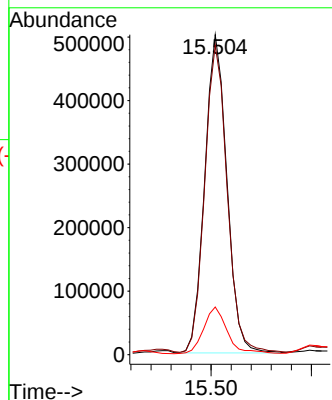
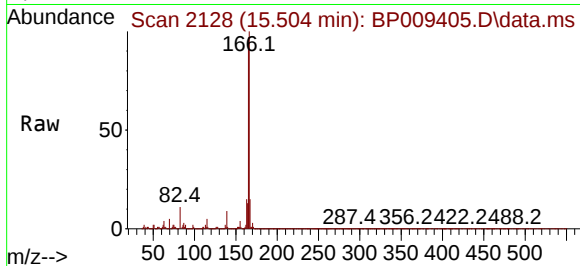




#58
Fluorene
Concen: 13.894 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

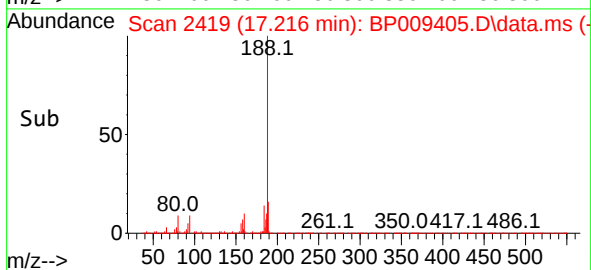
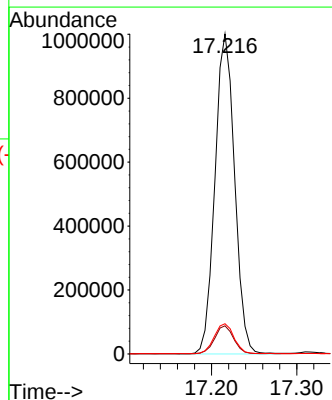
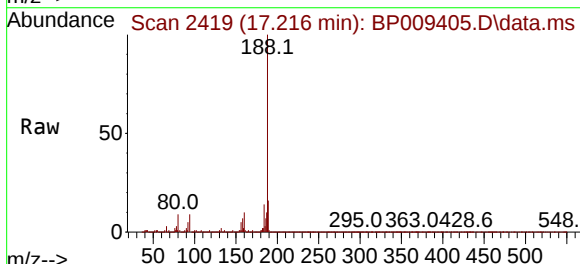
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

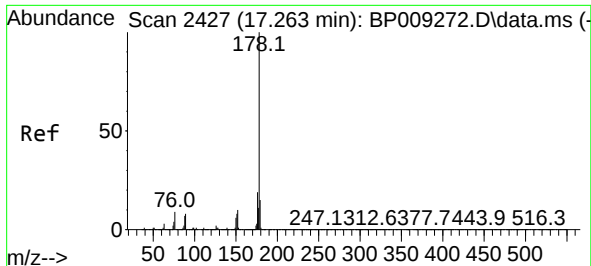
Tgt Ion:166 Resp: 770645
Ion Ratio Lower Upper
166 100
165 96.7 79.2 118.8
167 14.9 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:188 Resp: 1602996
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.4 8.8 13.2

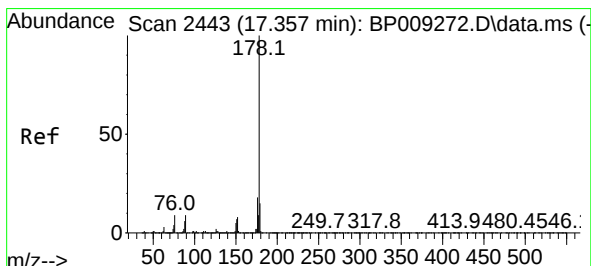
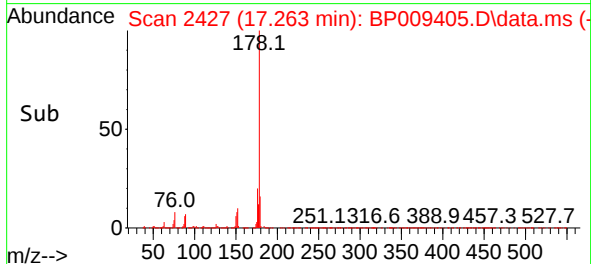
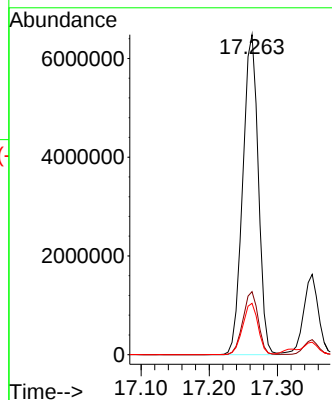
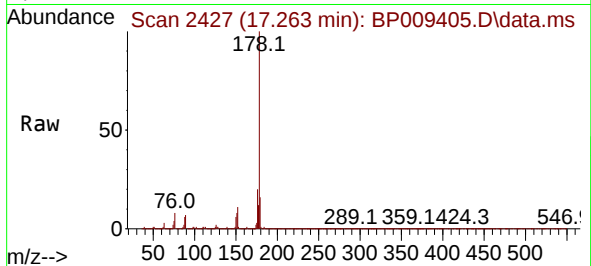




#71
Phenanthrene
Concen: 111.213 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

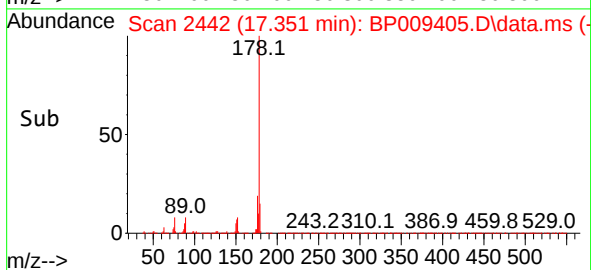
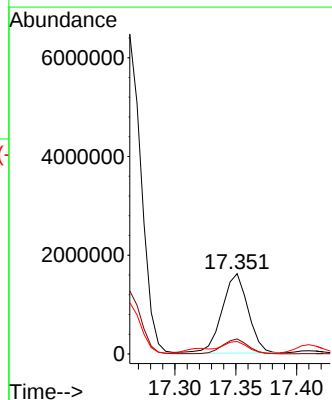
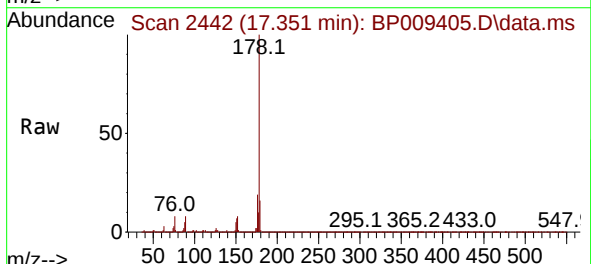
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

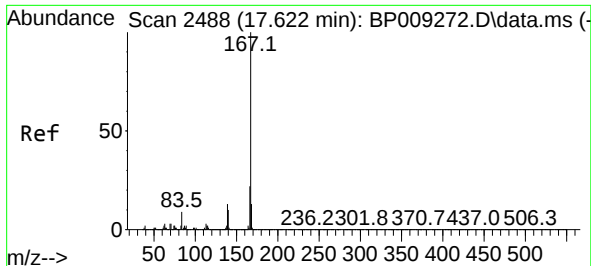
Tgt Ion:178 Resp:10245480
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.1 12.3 18.5



#72
Anthracene
Concen: 26.016 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:178 Resp: 2385552
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.6 12.2 18.4

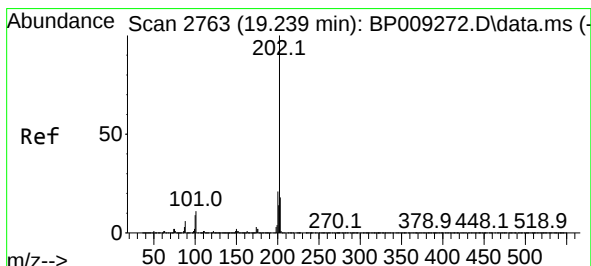
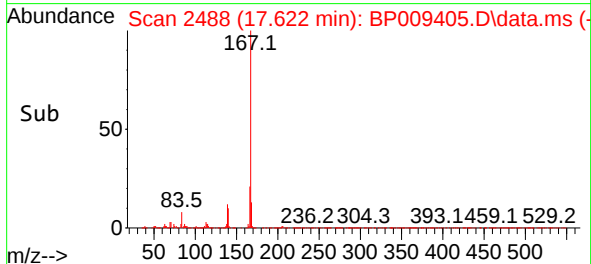
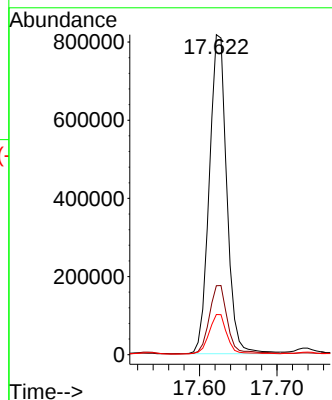
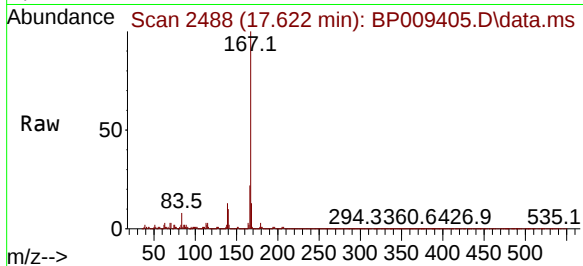




#73
 Carbazole
 Concen: 15.271 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. -0.000 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

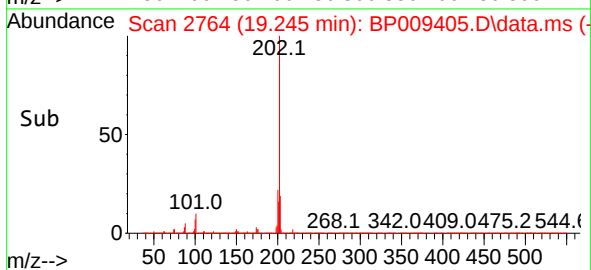
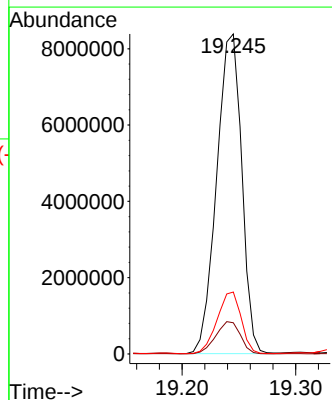
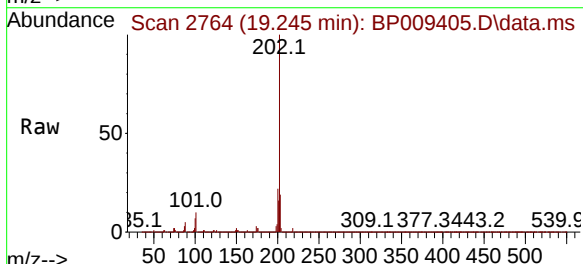
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-B

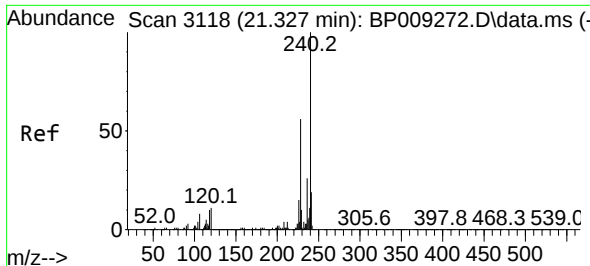
Tgt Ion:167 Resp: 1275969
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 12.6 10.3 15.5



#75
 Fluoranthene
 Concen: 120.888 ng
 RT: 19.245 min Scan# 2764
 Delta R.T. 0.006 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

Tgt Ion:202 Resp:12854503
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.5
 203 19.4 0.0 37.8

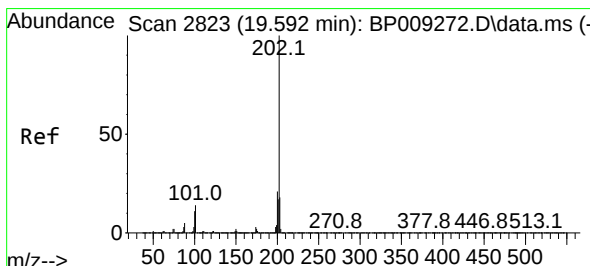
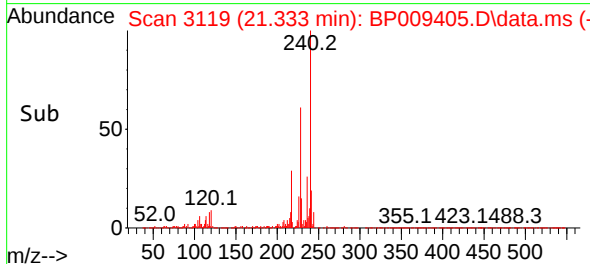
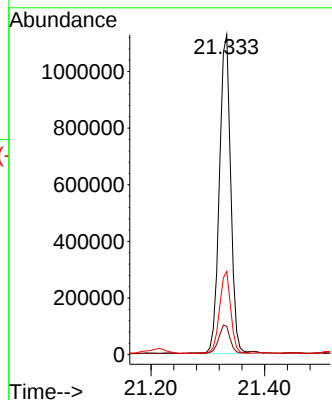
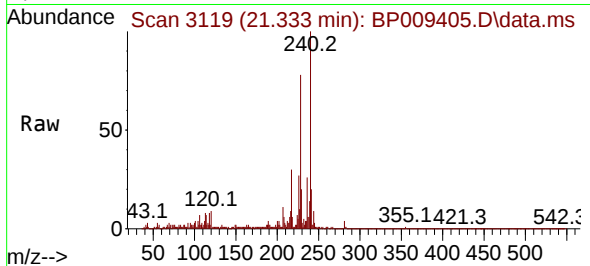




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

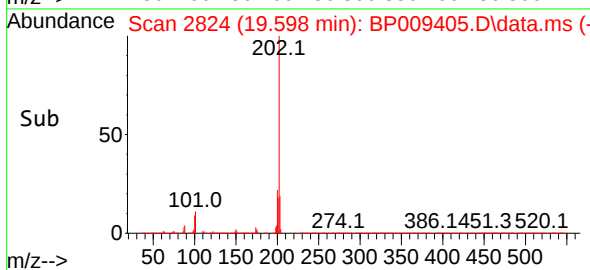
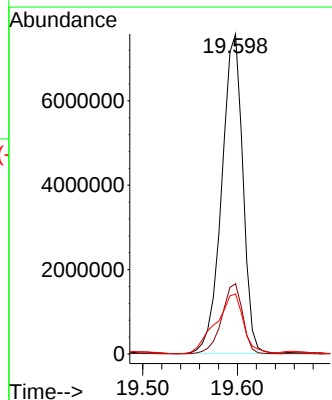
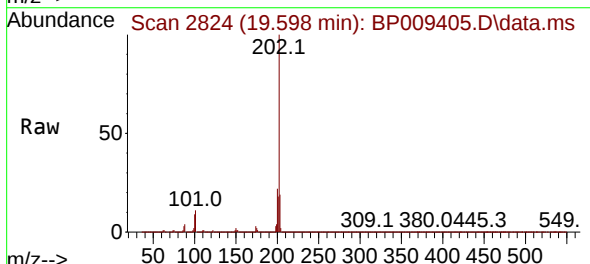
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

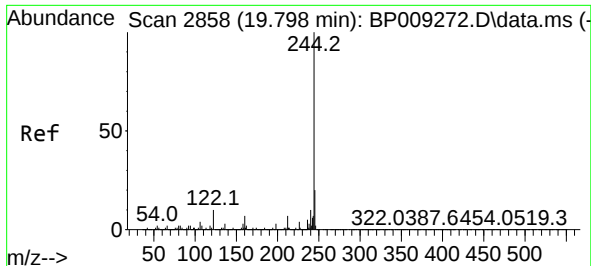
Tgt Ion:240 Resp: 1562940
Ion Ratio Lower Upper
240 100
120 8.9 9.0 13.4#
236 26.0 20.6 30.8



#78
Pyrene
Concen: 111.362 ng
RT: 19.598 min Scan# 2824
Delta R.T. 0.006 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:202 Resp:11751580
Ion Ratio Lower Upper
202 100
200 22.0 16.8 25.2
203 18.8 14.2 21.4

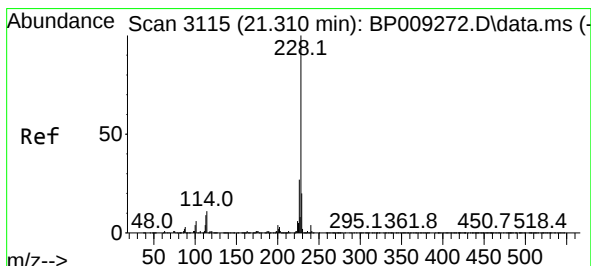
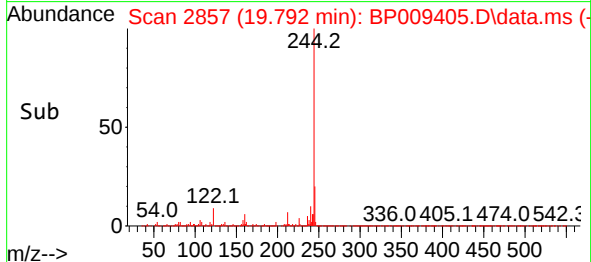
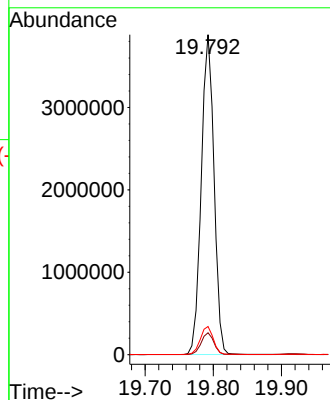
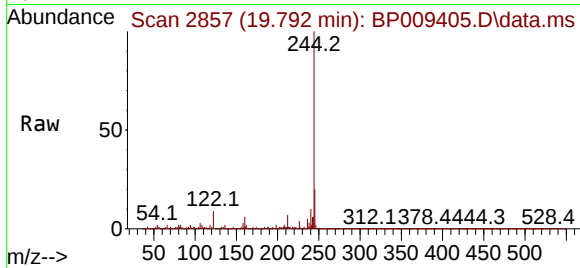




#79
 Terphenyl-d14
 Concen: 60.952 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

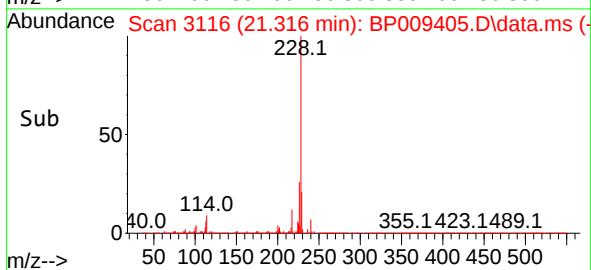
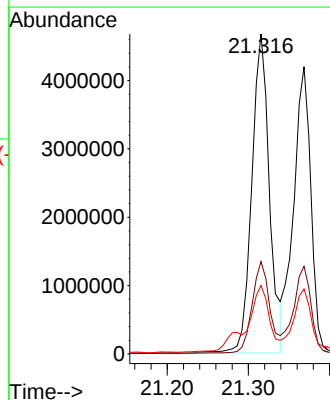
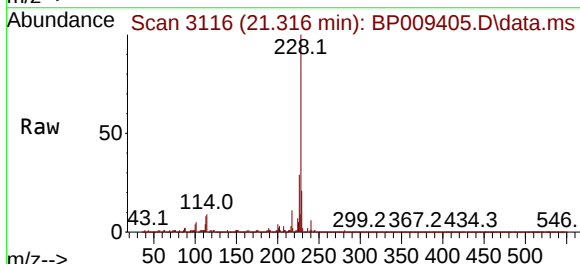
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-B

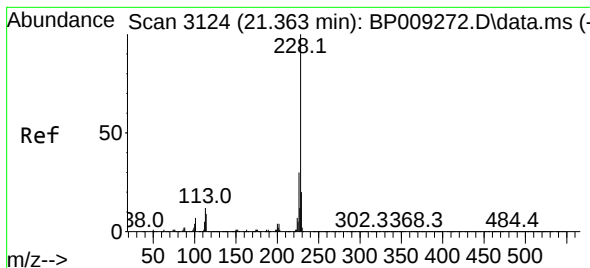
Tgt Ion:244 Resp: 5048111
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 8.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 66.683 ng
 RT: 21.316 min Scan# 3116
 Delta R.T. 0.006 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

Tgt Ion:228 Resp: 7064080
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.0 33.0
 229 21.4 16.1 24.1





#83

Chrysene

Concen: 60.082 ng

RT: 21.369 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP009405.D

Acq: 15 Mar 2022 19:05

Instrument :

BNA_P

ClientSampleId :

JDSH-TB-STOCKPILE-B

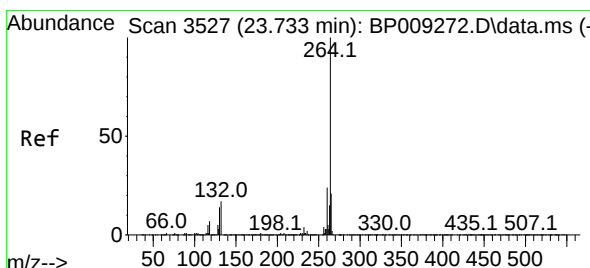
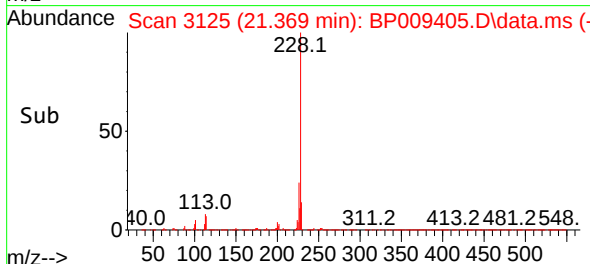
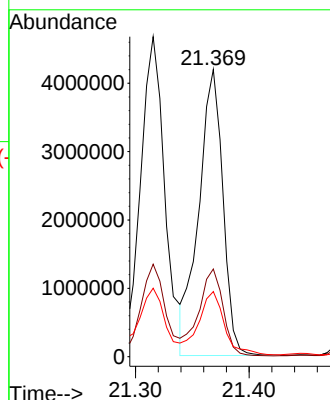
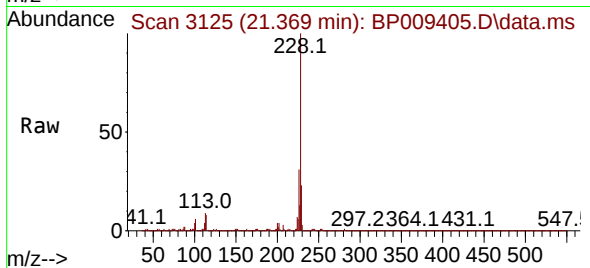
Tgt Ion:228 Resp: 6179638

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 22.7 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.745 min Scan# 3529

Delta R.T. 0.012 min

Lab File: BP009405.D

Acq: 15 Mar 2022 19:05

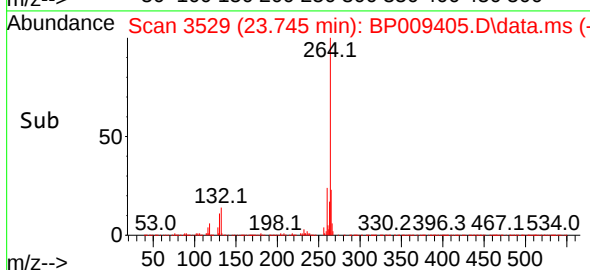
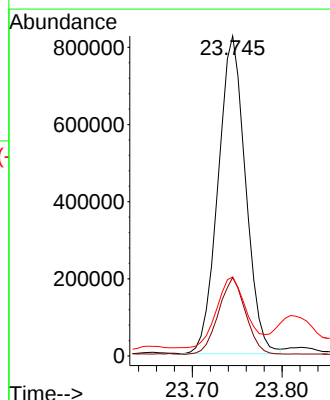
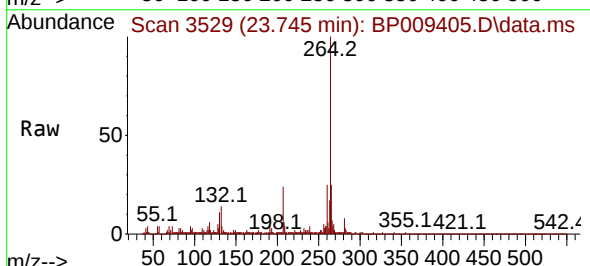
Tgt Ion:264 Resp: 1747099

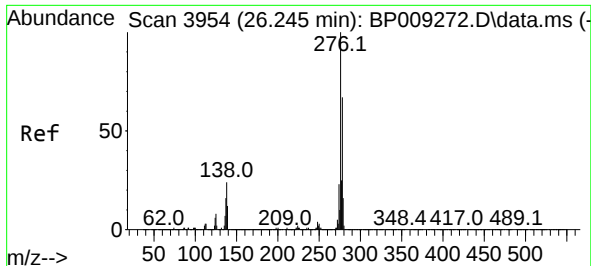
Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 24.7 17.2 25.8

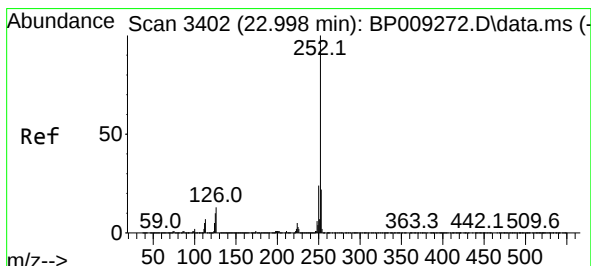
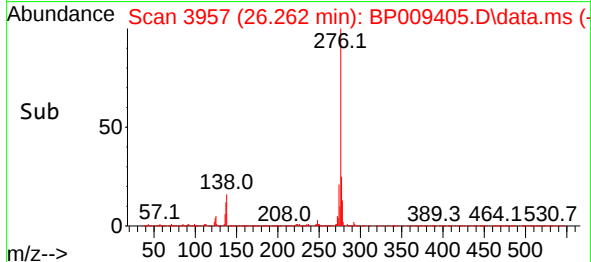
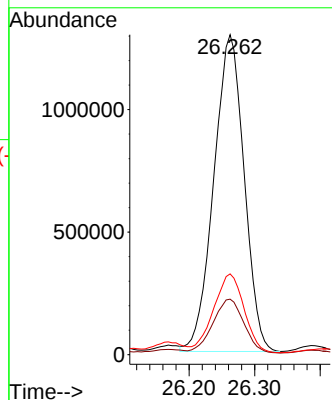
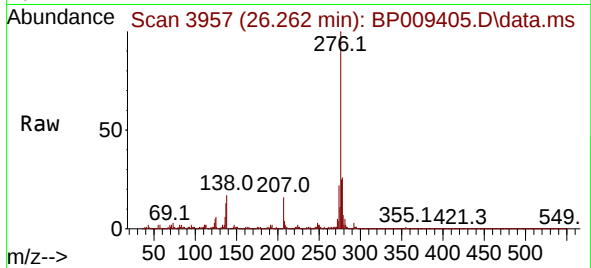




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 30.552 ng
 RT: 26.262 min Scan# 3957
 Delta R.T. 0.018 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

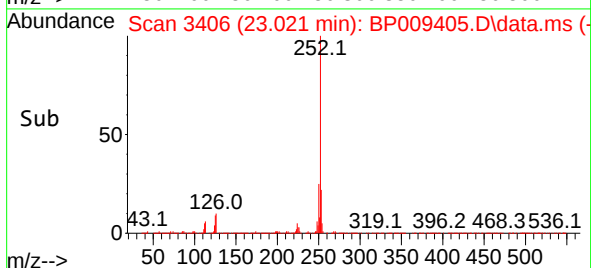
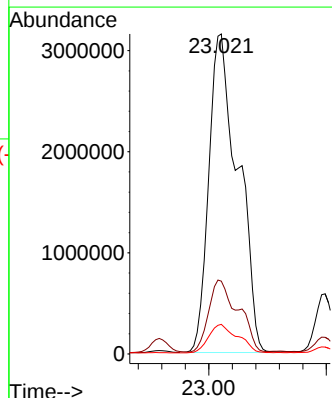
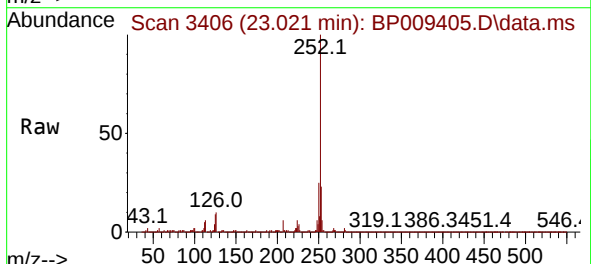
Instrument :
 BNA_P
 ClientSampleId :
 JDSH-TB-STOCKPILE-B

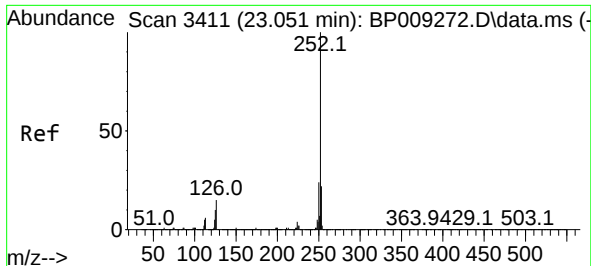
Tgt Ion:276 Resp: 4147092
 Ion Ratio Lower Upper
 276 100
 138 17.5 20.5 30.7#
 277 25.0 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 92.375 ng
 RT: 23.021 min Scan# 3406
 Delta R.T. 0.023 min
 Lab File: BP009405.D
 Acq: 15 Mar 2022 19:05

Tgt Ion:252 Resp:10896676
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.8
 125 9.3 8.1 12.1

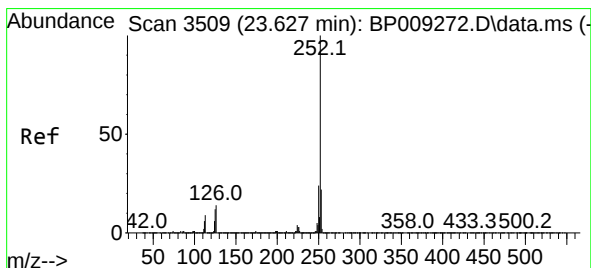
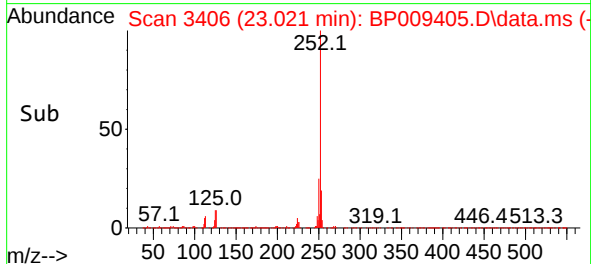
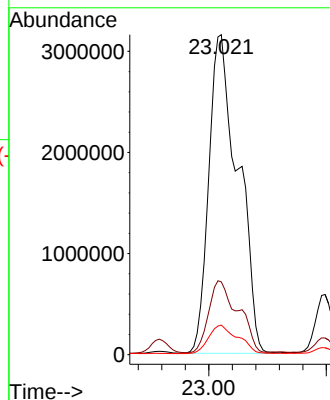
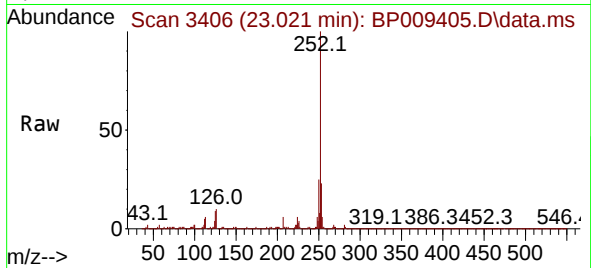




#89
Benzo(k)fluoranthene
Concen: 96.720 ng
RT: 23.021 min Scan# 3411
Delta R.T. -0.029 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

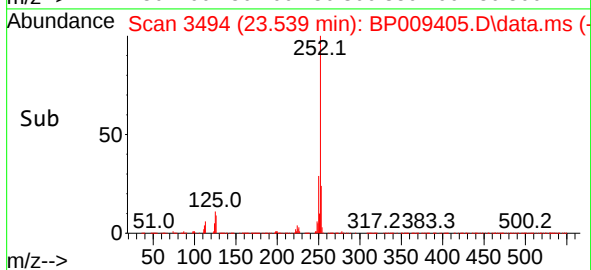
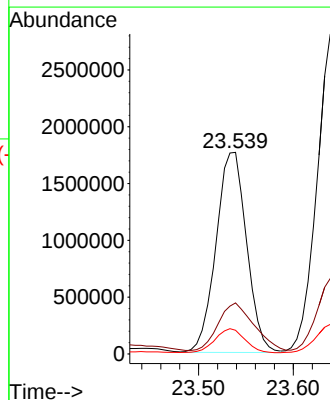
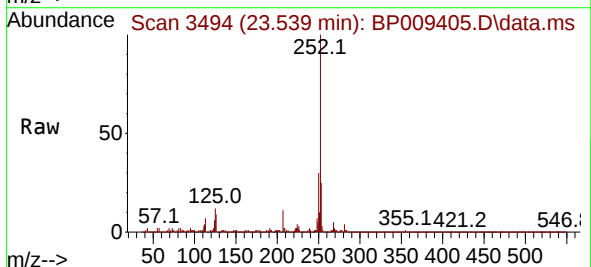
Instrument :
BNA_P
ClientSampleId :
JDSH-TB-STOCKPILE-B

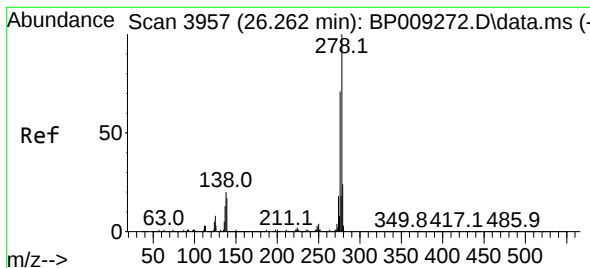
Tgt Ion:252 Resp:10899777
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.3 8.3 12.5



#90
Benzo(a)pyrene
Concen: 35.307 ng
RT: 23.539 min Scan# 3494
Delta R.T. -0.088 min
Lab File: BP009405.D
Acq: 15 Mar 2022 19:05

Tgt Ion:252 Resp: 3950186
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 11.7 9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 10.200 ng

RT: 26.268 min Scan# 3957

Delta R.T. 0.006 min

Lab File: BP009405.D

Acq: 15 Mar 2022 19:05

Instrument :

BNA_P

ClientSampleId :

JDSH-TB-STOCKPILE-B

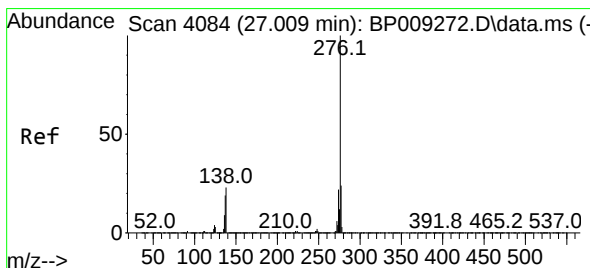
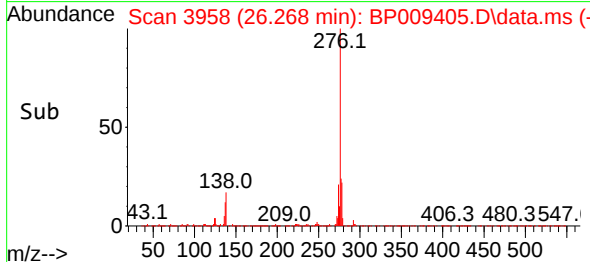
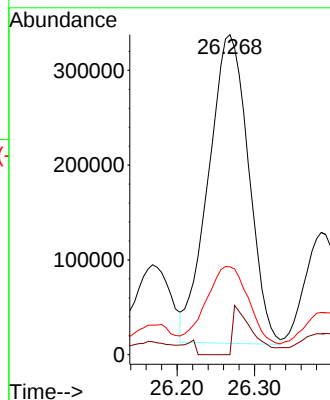
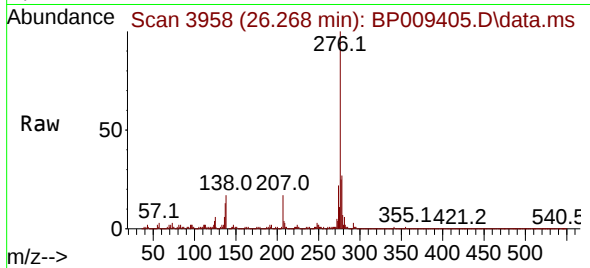
Tgt Ion:278 Resp: 1174002

Ion Ratio Lower Upper

278 100

139 0.0 13.2 19.8#

279 27.4 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 35.284 ng

RT: 27.039 min Scan# 4089

Delta R.T. 0.029 min

Lab File: BP009405.D

Acq: 15 Mar 2022 19:05

Tgt Ion:276 Resp: 4012043

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 17.8 18.0 27.0#

