

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011924\
 Data File : BP019401.D
 Acq On : 19 Jan 2024 13:43
 Operator : MA/JU
 Sample : P1160-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA313DL

Quant Time: Jan 19 14:16:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP010824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 09 03:05:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	126652	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.563	136	487000	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.416	164	357771	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.180	188	850686	20.000	ng/u1	0.00
79) Chrysene-d12	21.286	240	794818	20.000	ng/u1	0.00
88) Perylene-d12	23.645	264	808709	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.211	96	4965	1.482	ng/uL	-0.01
4) Pyridine-d5	3.634	84	61683	6.369	ng/u1	0.00
7) Phenol-d5	6.958	99	85733	7.082	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.105	67	54567	7.536	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.299	132	60652	7.294	ng/u1	-0.02
15) 4-Methylphenol-d8	8.499	113	60588	6.309	ng/u1	-0.02
21) Nitrobenzene-d5	8.934	128	30234	7.379	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.657	143	33768	7.093	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.204	165	64128	6.668	ng/u1	0.00
31) 4-Chloroaniline-d4	10.722	131	72945	6.004	ng/u1	0.00
46) Dimethylphthalate-d6	13.839	166	234611	7.423	ng/u1	0.00
49) Acenaphthylene-d8	14.110	160	245490	7.245	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.687	143	20398	4.203	ng/u1	0.02
60) Fluorene-d10	15.416	176	205863	7.955	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.557	200	31107	4.953	ng/u1	0.00
73) Anthracene-d10	17.281	188	313547	7.390	ng/u1	0.00
81) Pyrene-d10	19.527	212	394166	7.605	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.492	264	338470	7.697	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.199	93	164943	16.862	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.581	70	49095	6.160	ng/u1	99
19) Hexachloroethane	8.834	117	48759	12.560	ng/u1	95
22) Nitrobenzene	8.975	77	166853	14.558	ng/u1	98
23) Isophorone	9.499	82	682468	30.715	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.987	93	414169	32.409	ng/u1	99
30) Naphthalene	10.616	128	689761	25.136	ng/u1	100
33) Hexachlorobutadiene	10.887	225	257516	32.203	ng/u1	99
36) 2-Methylnaphthalene	12.234	142	271179	13.582	ng/u1	97
40) Hexachlorocyclopentadiene	12.569	237	149719	15.046	ng/u1	99
44) 2-Chloronaphthalene	13.292	162	448283	18.755	ng/u1	99
47) Dimethylphthalate	13.887	163	313297	9.973	ng/u1	99
48) 2,6-Dinitrotoluene	14.016	165	23818	3.834	ng/u1	93
50) Acenaphthylene	14.139	152	292600	7.884	ng/u1	99
59) Diethylphthalate	15.251	149	337088	11.467	ng/u1	100
61) Fluorene	15.469	166	249441	8.748	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.469	204	625789	36.776	ng/u1	99
68) 4-Bromophenyl-phenylether	16.369	248	215410	18.538	ng/u1	98
69) Hexachlorobenzene	16.475	284	229734	17.156	ng/u1	99
72) Phenanthrene	17.222	178	397886	8.327	ng/u1	99
74) Anthracene	17.316	178	455455	9.402	ng/u1	98
78) Di-n-butylphthalate	18.145	149	611933	12.407	ng/u1	99
87) Chrysene	21.321	228	447416	7.911	ng/u1	99
89) Di-n-octyl phthalate	22.104	149	273886	4.962	ng/u1	100

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QLast Update : Tue Jan 09 03:05:24 2024
Response via : Initial Calibration

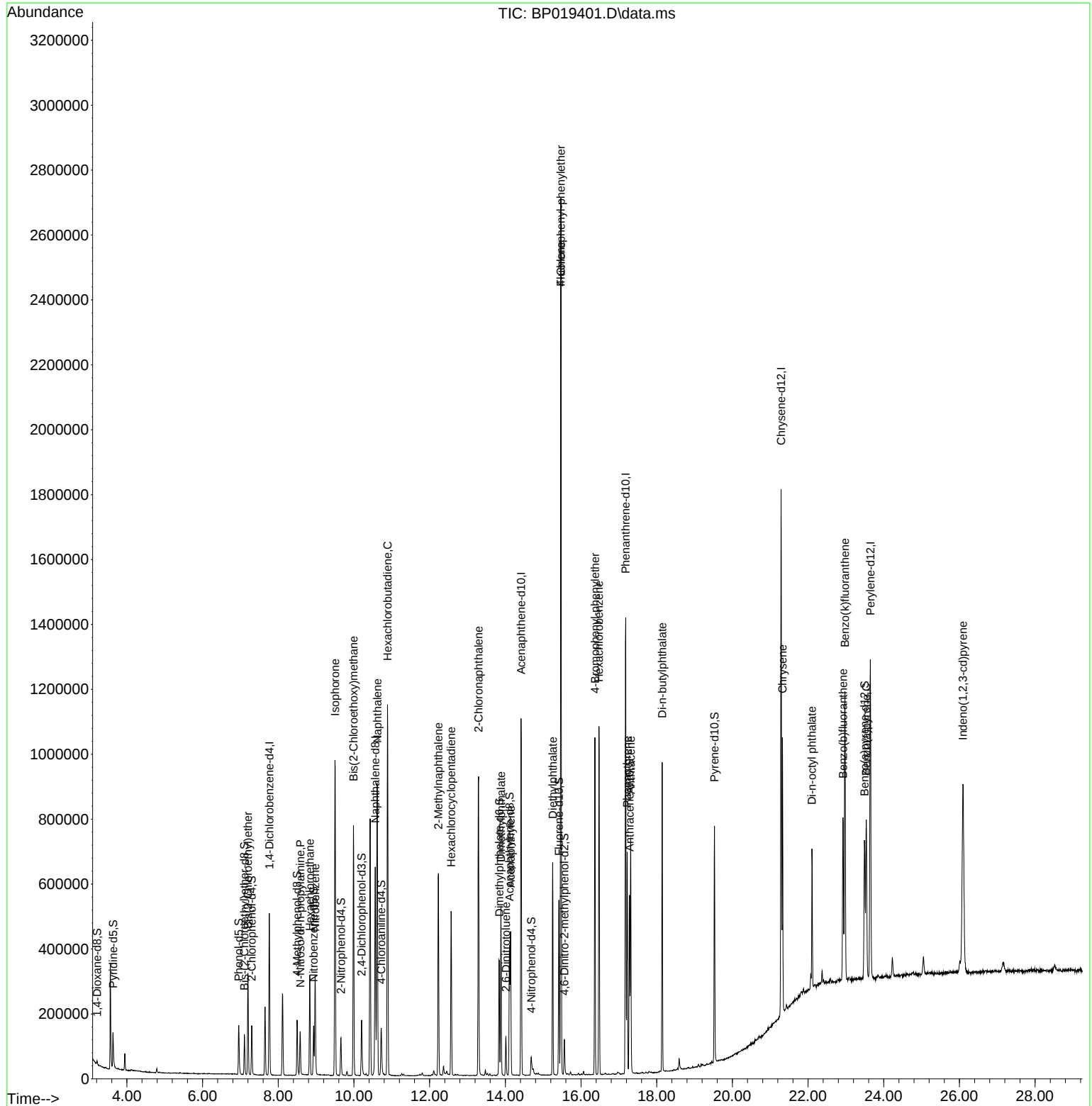
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	22.927	252	358516	6.203	ng/u1	99
91) Benzo(k)fluoranthene	22.974	252	682584	12.175	ng/u1	100
93) Benzo(a)pyrene	23.539	252	388649	7.484	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.092	276	639369	10.410	ng/u1	97

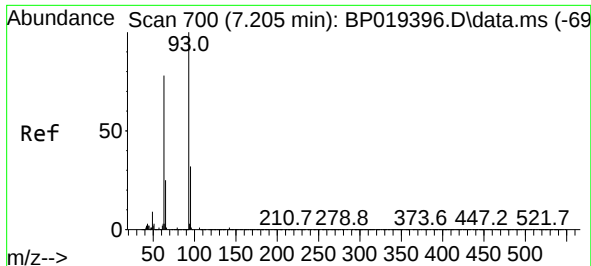
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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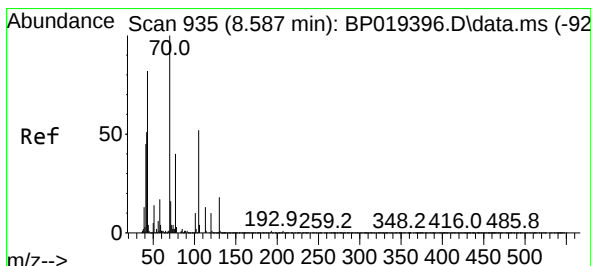
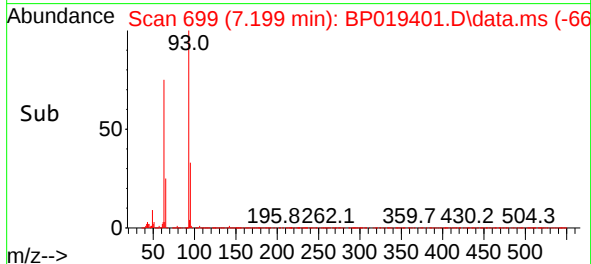
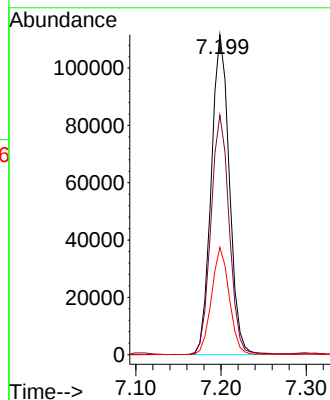
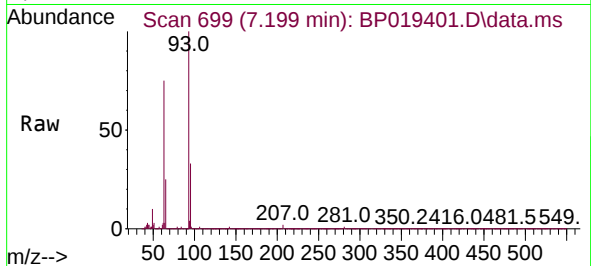




#10
Bis(2-Chloroethyl)ether
Concen: 16.862 ng/ul
RT: 7.199 min Scan# 69
Delta R.T. -0.018 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

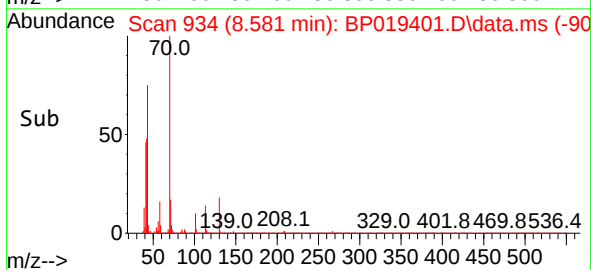
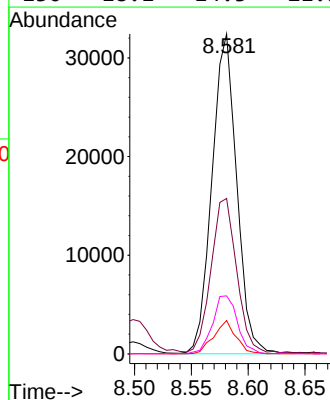
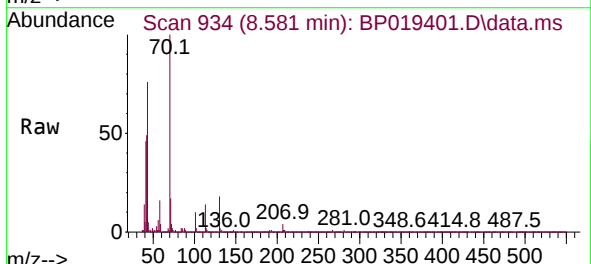
Instrument :
BNA_P
ClientSampleId :
XA313DL

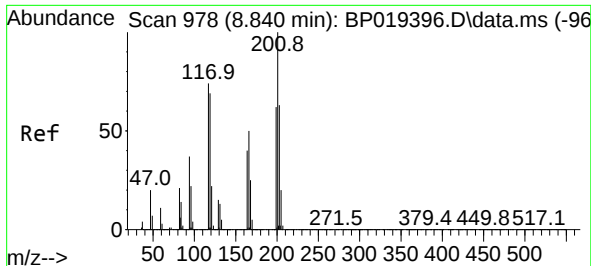
Tgt Ion: 93 Resp: 164943
Ion Ratio Lower Upper
93 100
63 74.8 60.7 91.1
95 33.5 26.2 39.2



#17
N-Nitroso-di-n-propylamine
Concen: 6.160 ng/ul
RT: 8.581 min Scan# 934
Delta R.T. -0.018 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion: 70 Resp: 49095
Ion Ratio Lower Upper
70 100
42 48.6 38.5 57.7
101 10.4 7.9 11.9
130 18.1 14.3 21.5

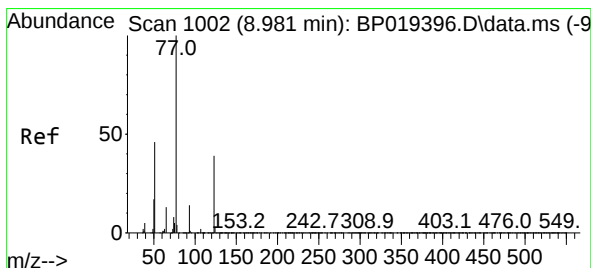
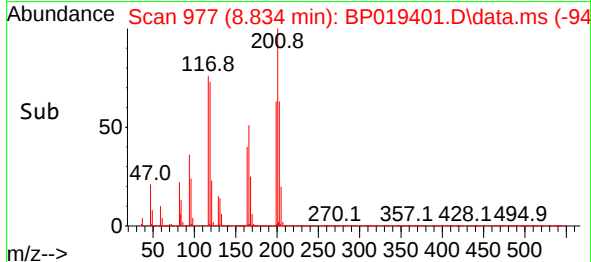
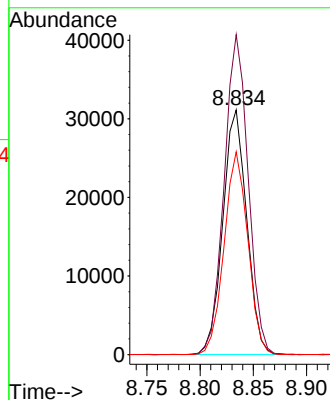
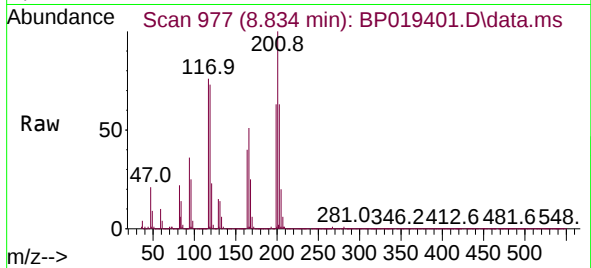




#19
Hexachloroethane
Concen: 12.560 ng/ul
RT: 8.834 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

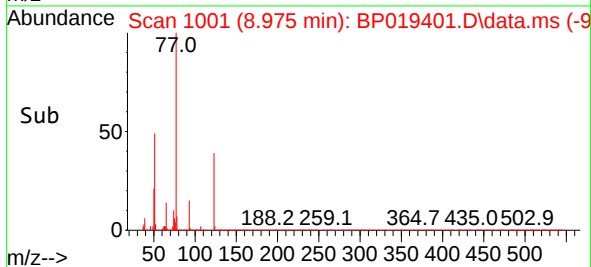
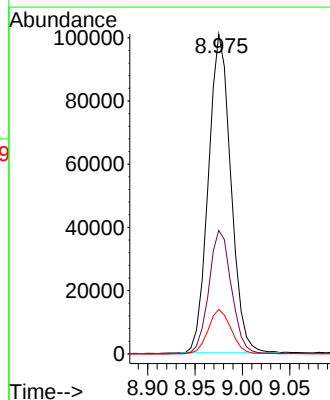
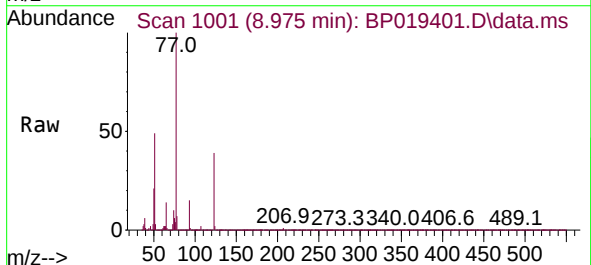
Instrument :
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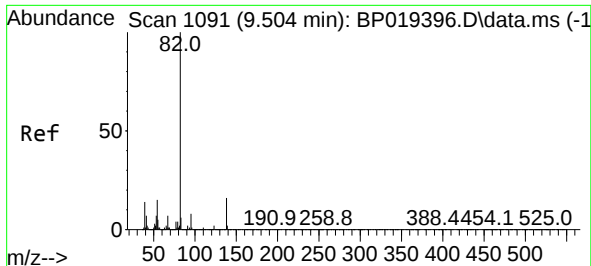
Tgt Ion:117 Resp: 48759
Ion Ratio Lower Upper
117 100
201 130.7 101.8 152.6
199 84.4 62.6 93.8



#22
Nitrobenzene
Concen: 14.558 ng/ul
RT: 8.975 min Scan# 1001
Delta R.T. -0.018 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion: 77 Resp: 166853
Ion Ratio Lower Upper
77 100
123 38.6 30.0 45.0
65 13.9 10.5 15.7

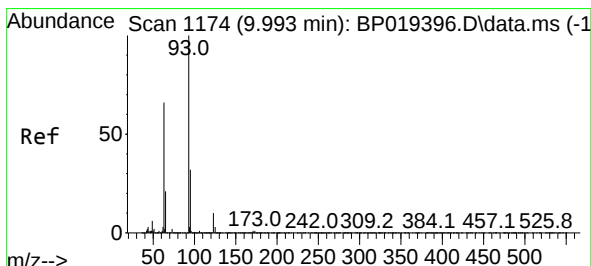
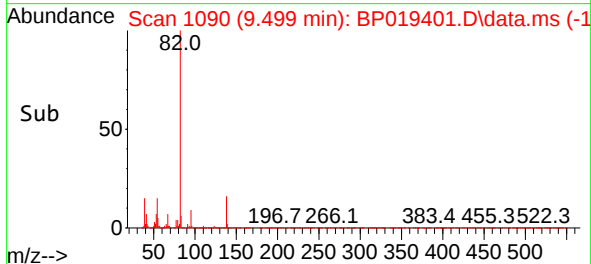
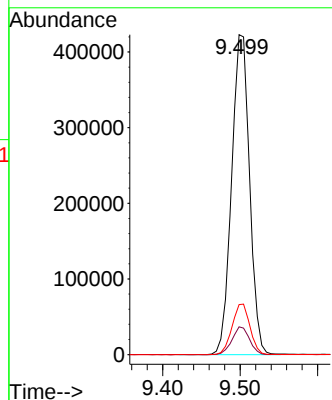
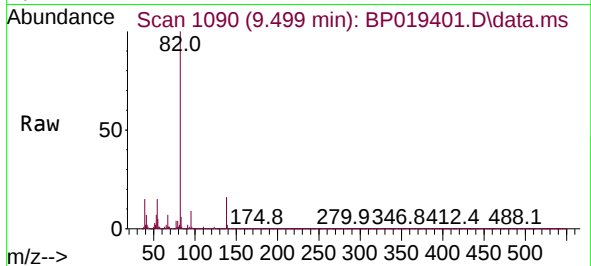




#23
Isophorone
Concen: 30.715 ng/ul
RT: 9.499 min Scan# 1091
Delta R.T. -0.024 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

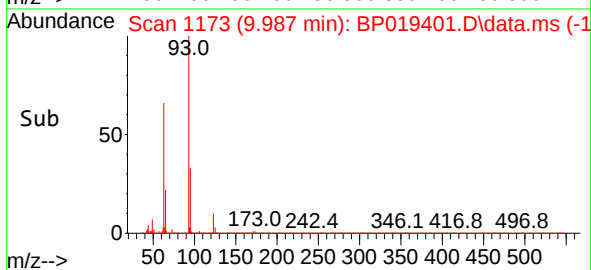
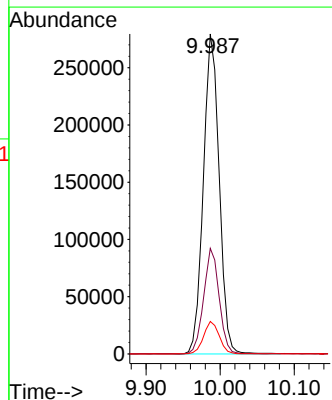
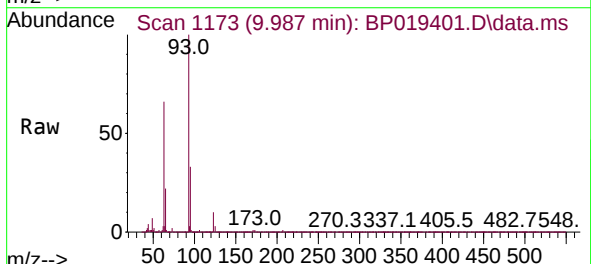
Instrument :
BNA_P
ClientSampleId :
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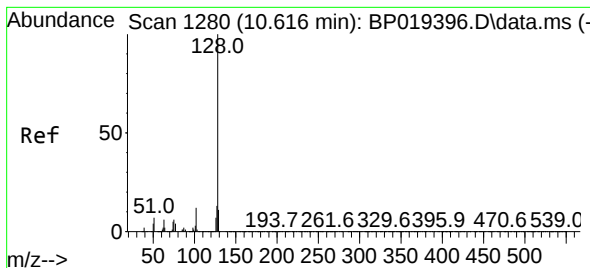
Tgt Ion: 82 Resp: 682468
Ion Ratio Lower Upper
82 100
95 8.7 6.6 10.0
138 15.6 13.0 19.4



#27
Bis(2-Chloroethoxy)methane
Concen: 32.409 ng/ul
RT: 9.987 min Scan# 1173
Delta R.T. -0.018 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion: 93 Resp: 414169
Ion Ratio Lower Upper
93 100
95 33.0 25.9 38.9
123 10.1 7.9 11.9





#30

Naphthalene

Concen: 25.136 ng/ul

RT: 10.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Instrument :

BNA_P

ClientSampleId :

XA313DL

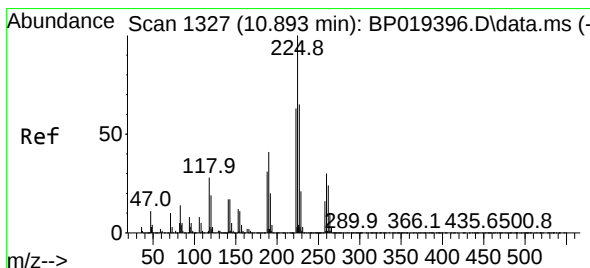
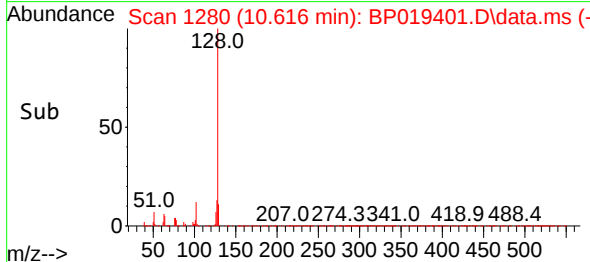
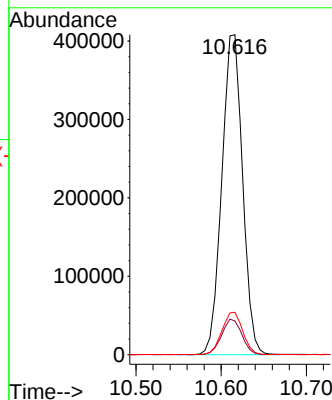
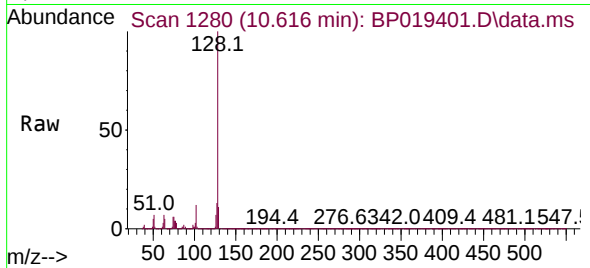
Tgt Ion:128 Resp: 689761

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 13.2 10.6 15.8



#33

Hexachlorobutadiene

Concen: 32.203 ng/ul

RT: 10.887 min Scan# 1326

Delta R.T. -0.018 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

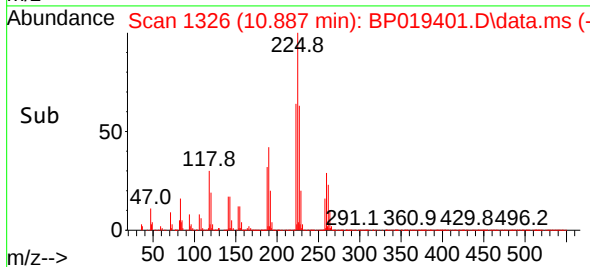
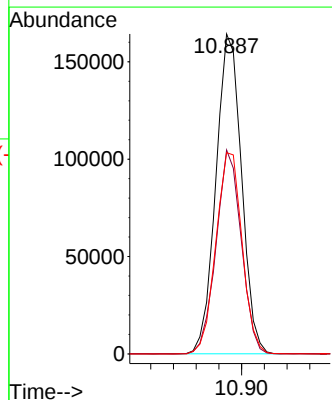
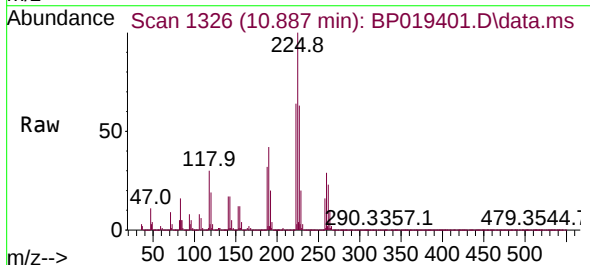
Tgt Ion:225 Resp: 257516

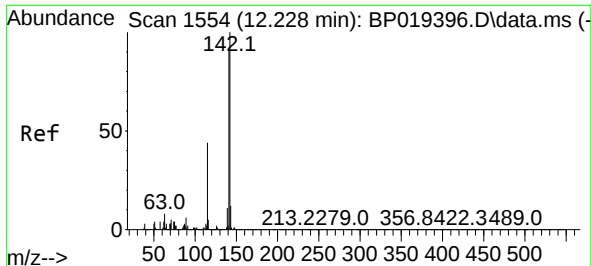
Ion Ratio Lower Upper

225 100

223 63.8 49.9 74.9

227 62.9 51.0 76.6

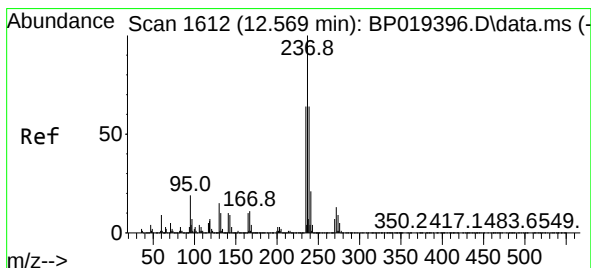
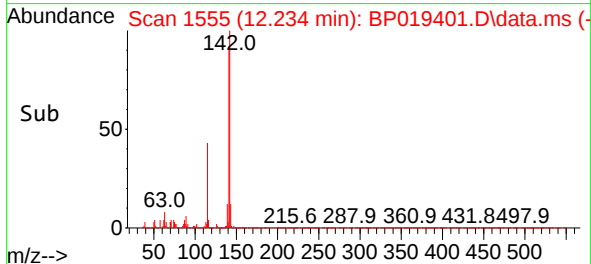
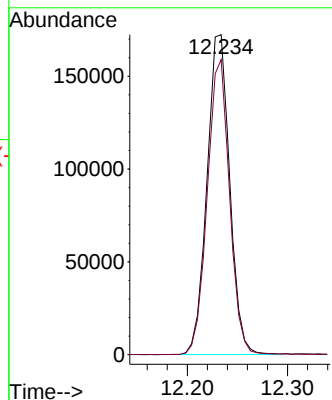
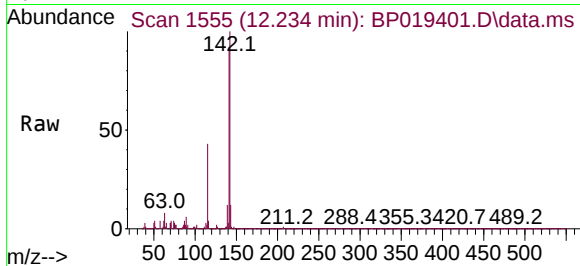




#36
2-Methylnaphthalene
Concen: 13.582 ng/ul
RT: 12.234 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

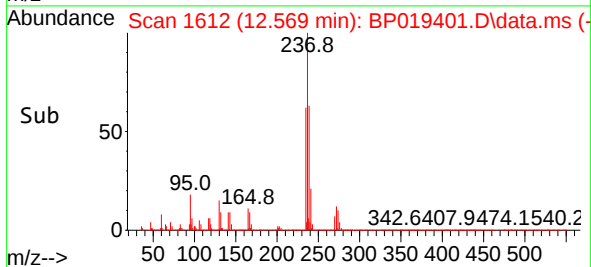
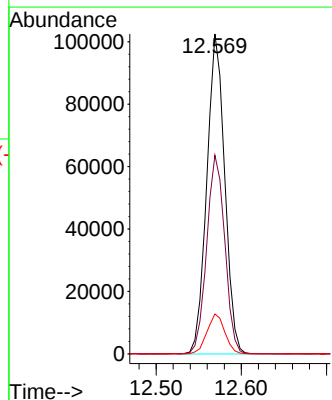
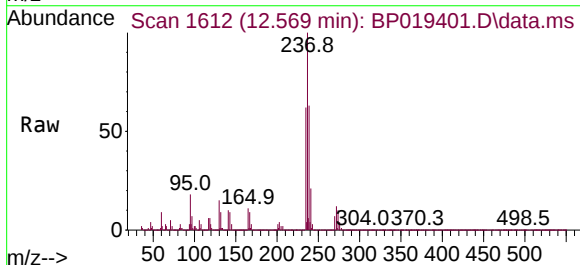
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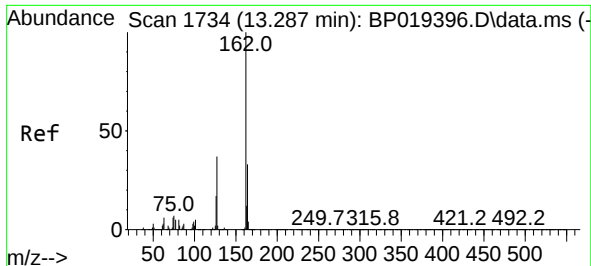
Tgt Ion:142 Resp: 271179
Ion Ratio Lower Upper
142 100
141 92.2 71.1 106.7



#40
Hexachlorocyclopentadiene
Concen: 15.046 ng/ul
RT: 12.569 min Scan# 1612
Delta R.T. -0.018 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion:237 Resp: 149719
Ion Ratio Lower Upper
237 100
235 62.1 50.0 75.0
272 12.5 11.4 17.2

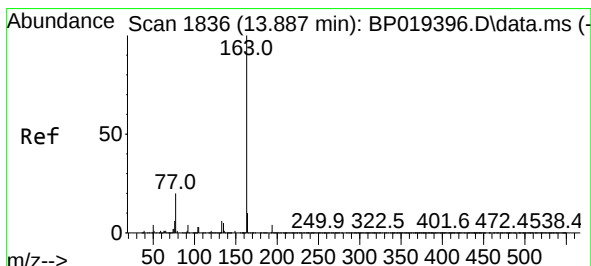
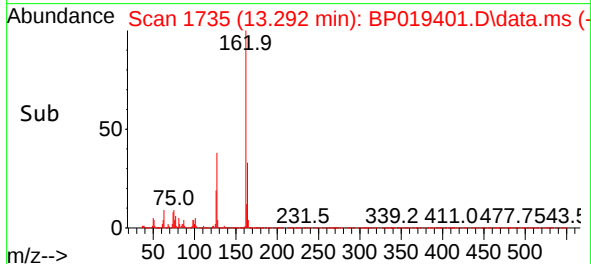
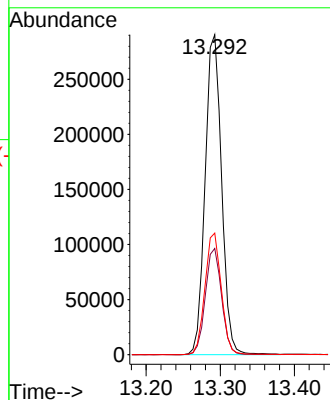
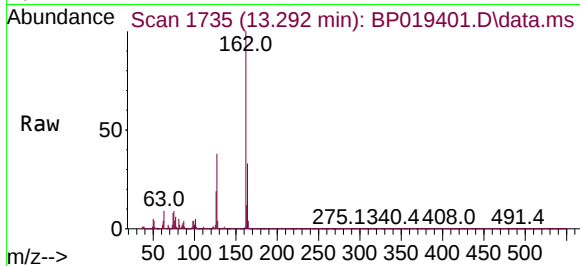




#44
2-Chloronaphthalene
Concen: 18.755 ng/ul
RT: 13.292 min Scan# 1735
Delta R.T. -0.012 min
Lab File: BP019401.D
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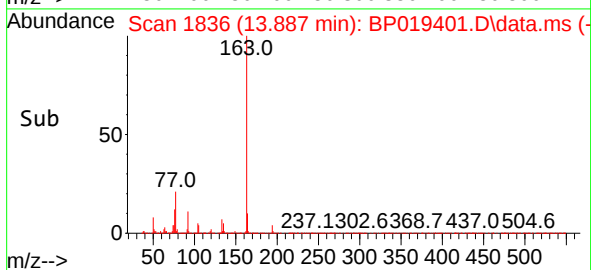
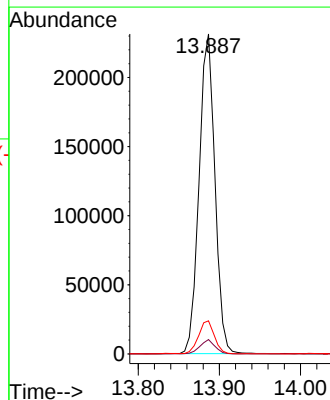
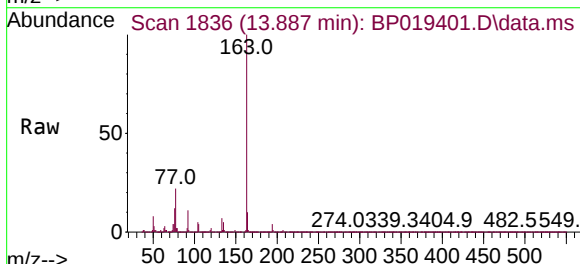
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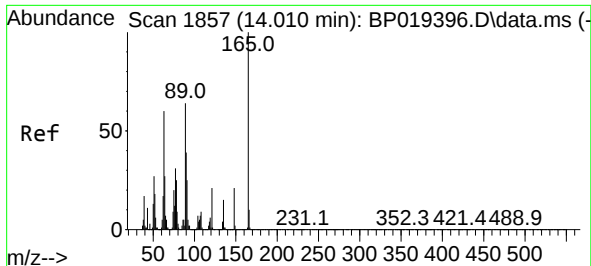
Tgt Ion:162 Resp: 448283
Ion Ratio Lower Upper
162 100
164 33.2 26.6 40.0
127 38.0 29.4 44.2



#47
Dimethylphthalate
Concen: 9.973 ng/ul
RT: 13.887 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion:163 Resp: 313297
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.3 8.1 12.1

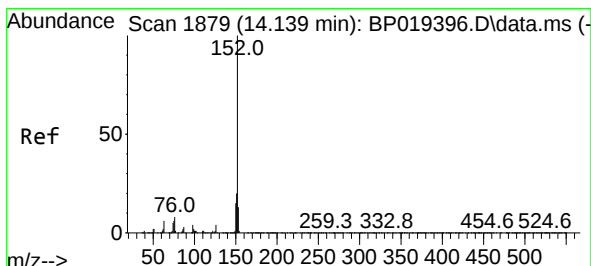
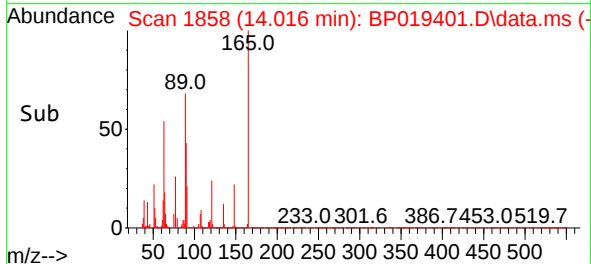
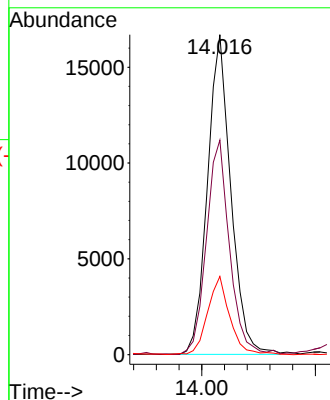
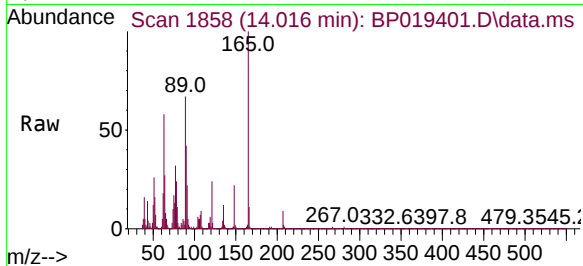




#48
2,6-Dinitrotoluene
Concen: 3.834 ng/ul
RT: 14.016 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

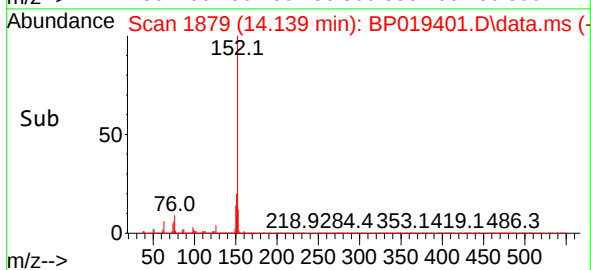
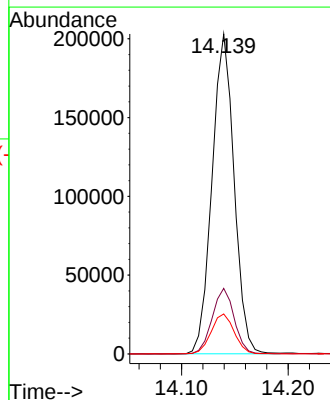
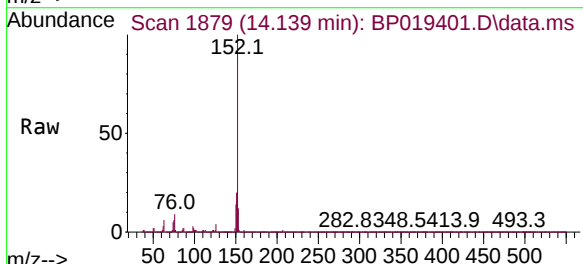
Instrument :
BNA_P
ClientSampleId :
XA313DL

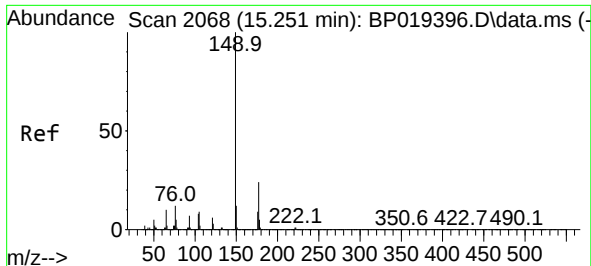
Tgt Ion:	165	Resp:	23818
Ion Ratio	Lower	Upper	
165	100		
89	67.0	49.9	74.9
121	24.4	16.5	24.7



#50
Acenaphthylene
Concen: 7.884 ng/ul
RT: 14.139 min Scan# 1879
Delta R.T. -0.012 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion:	152	Resp:	292600
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.8	23.6
153	12.5	10.3	15.5

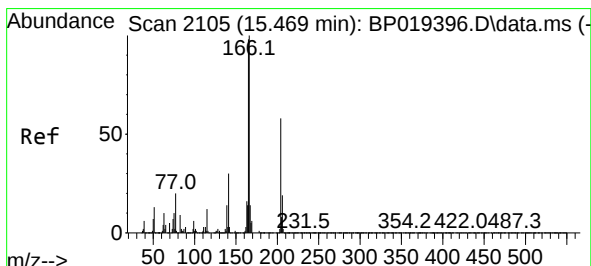
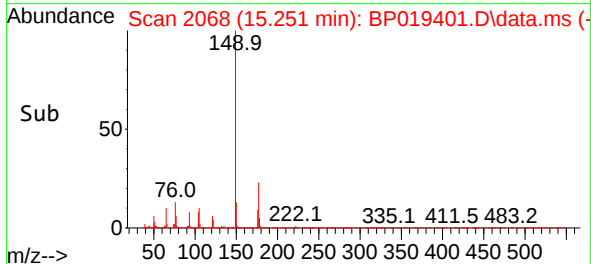
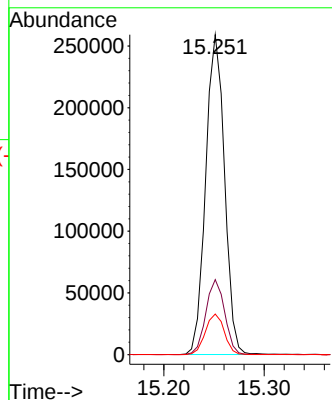
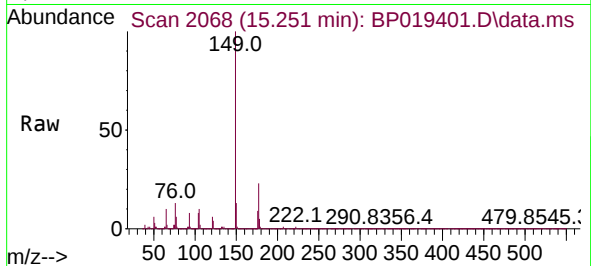




#59
Diethylphthalate
Concen: 11.467 ng/ul
RT: 15.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

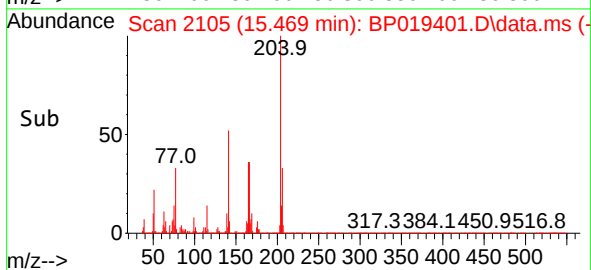
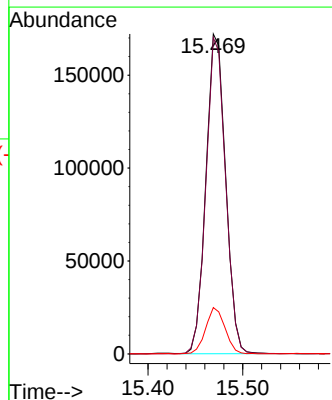
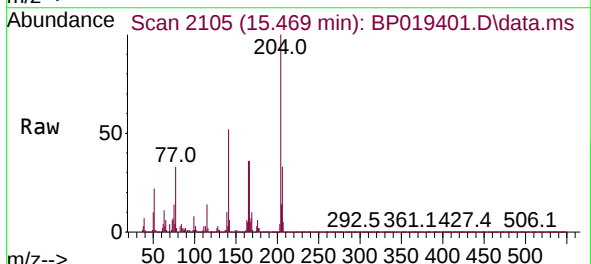
Instrument :
BNA_P
ClientSampleId :
XA313DL

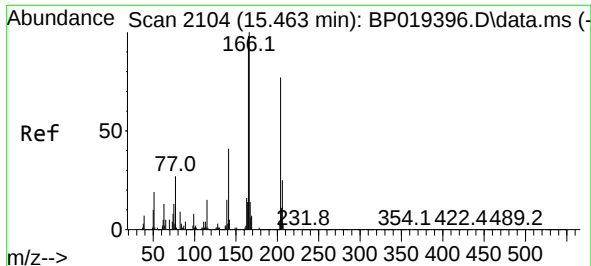
Tgt Ion:149 Resp: 337088
Ion Ratio Lower Upper
149 100
177 23.4 18.8 28.2
150 12.7 10.2 15.4



#61
Fluorene
Concen: 8.748 ng/ul
RT: 15.469 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion:166 Resp: 249441
Ion Ratio Lower Upper
166 100
165 98.8 78.6 118.0
167 14.5 10.6 15.8

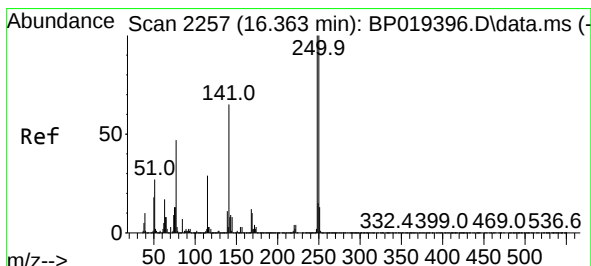
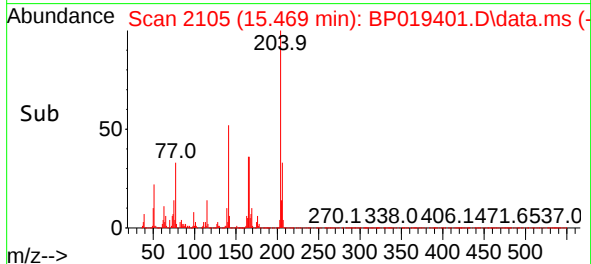
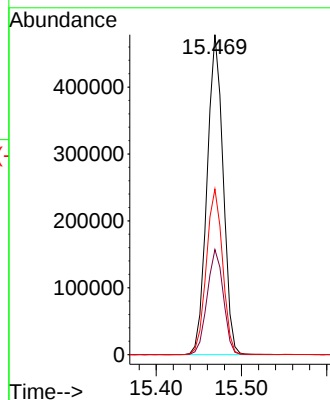
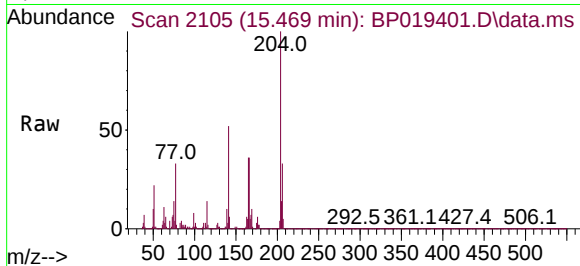




#62
4-Chlorophenyl-phenylether
Concen: 36.776 ng/ul
RT: 15.469 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

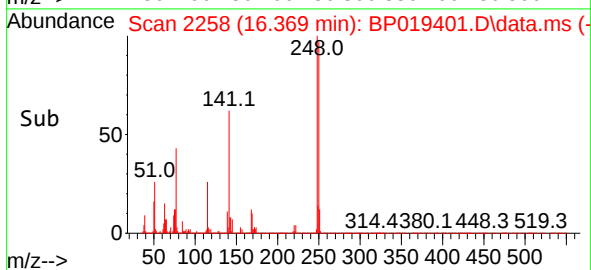
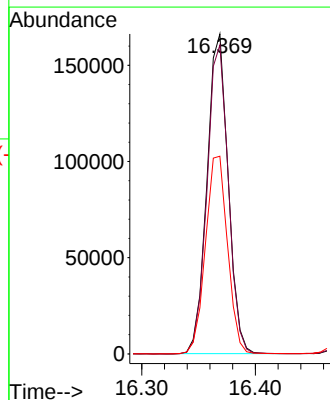
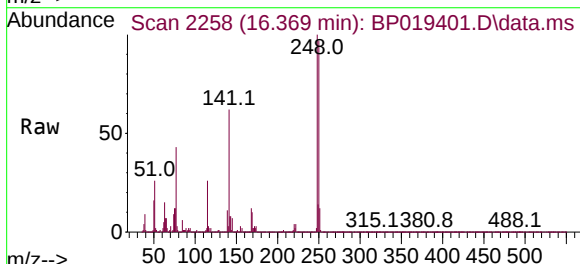
Instrument :
BNA_P
ClientSampleId :
XA313DL

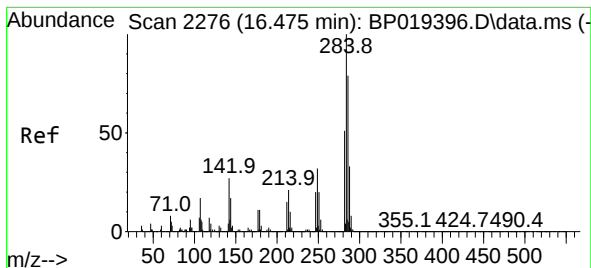
Tgt Ion:204 Resp: 625789
Ion Ratio Lower Upper
204 100
206 32.9 27.0 40.4
141 51.7 41.5 62.3



#68
4-Bromophenyl-phenylether
Concen: 18.538 ng/ul
RT: 16.369 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion:248 Resp: 215410
Ion Ratio Lower Upper
248 100
250 96.5 75.6 113.4
141 61.8 48.7 73.1





#69

Hexachlorobenzene

Concen: 17.156 ng/ul

RT: 16.475 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Instrument :

BNA_P

ClientSampleId :

XA313DL

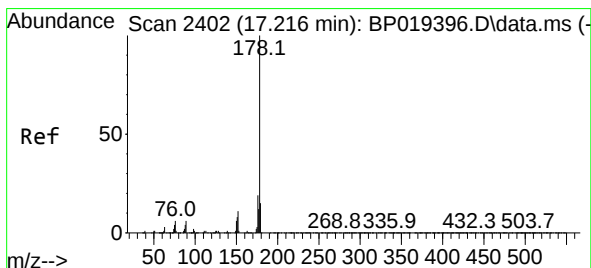
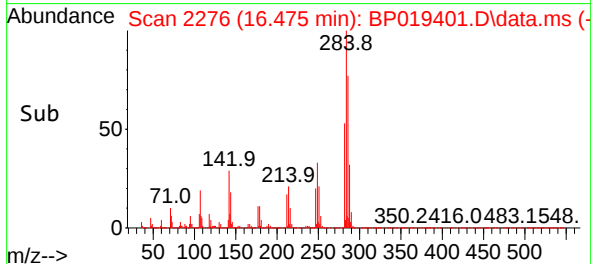
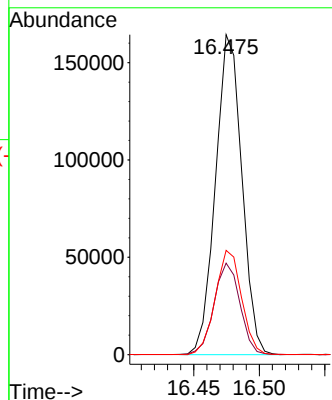
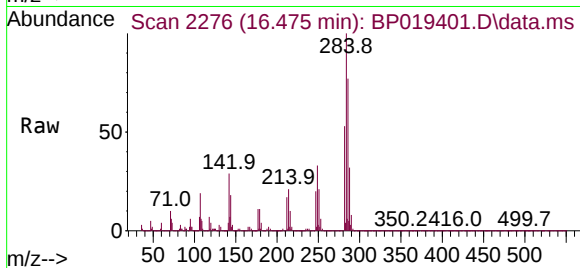
Tgt Ion:284 Resp: 229734

Ion Ratio Lower Upper

284 100

142 28.6 23.6 35.4

249 32.6 26.1 39.1



#72

Phenanthrene

Concen: 8.327 ng/ul

RT: 17.222 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

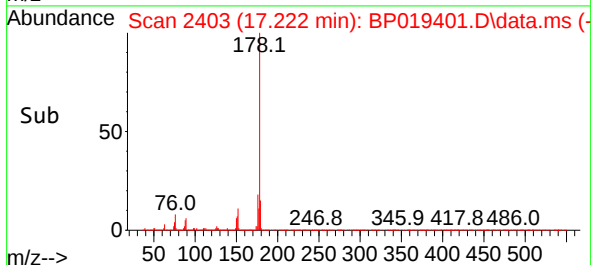
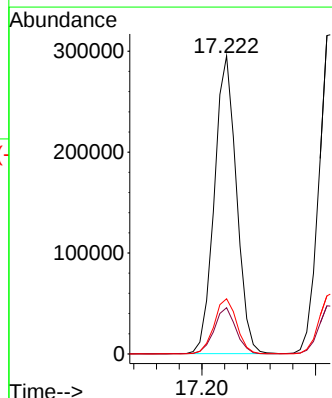
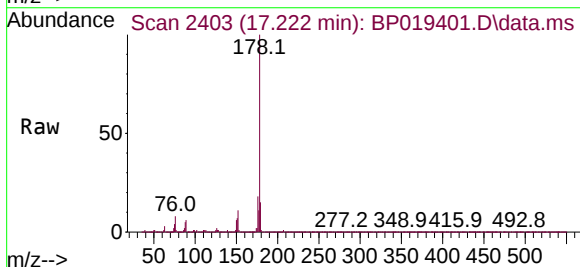
Tgt Ion:178 Resp: 397886

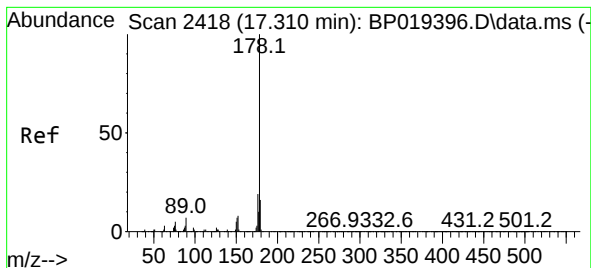
Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

176 18.5 15.4 23.2





#74

Anthracene

Concen: 9.402 ng/ul

RT: 17.316 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Instrument :

BNA_P

ClientSampleId :

XA313DL

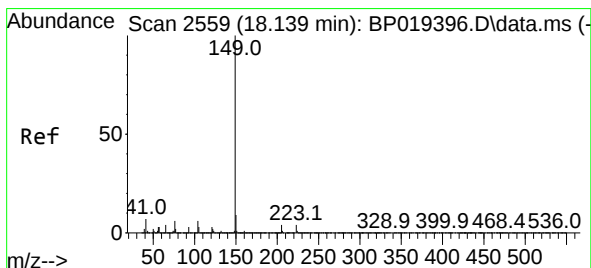
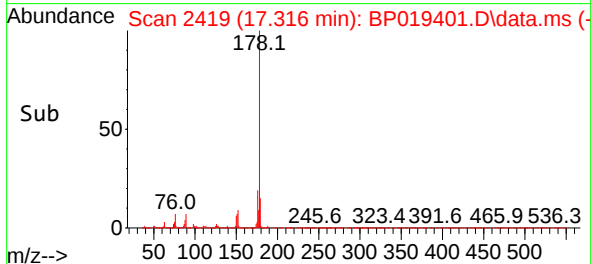
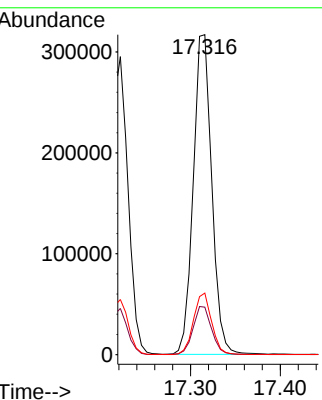
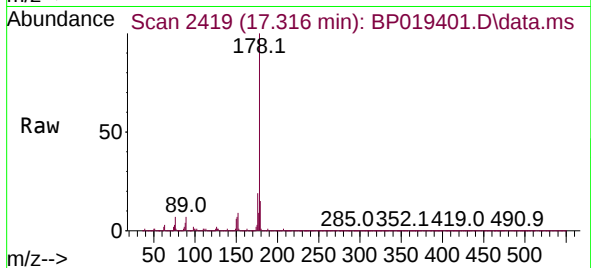
Tgt Ion:178 Resp: 455455

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

176 19.2 14.6 22.0



#78

Di-n-butylphthalate

Concen: 12.407 ng/ul

RT: 18.145 min Scan# 2560

Delta R.T. -0.006 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

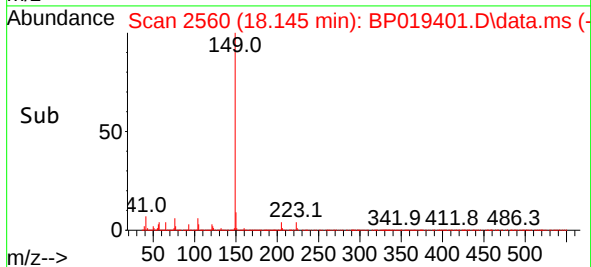
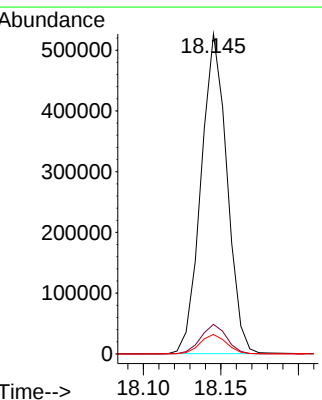
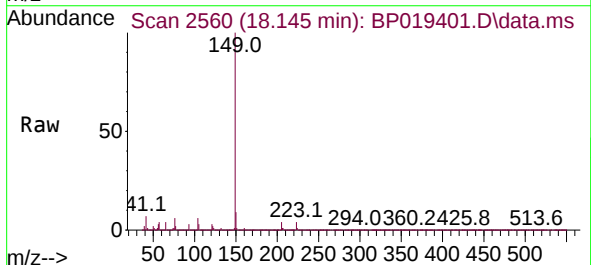
Tgt Ion:149 Resp: 611933

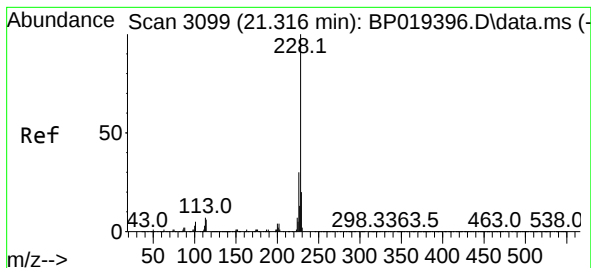
Ion Ratio Lower Upper

149 100

150 9.2 7.0 10.6

104 6.1 4.6 6.8





#87

Chrysene

Concen: 7.911 ng/ul

RT: 21.321 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Instrument :

BNA_P

ClientSampleId :

XA313DL

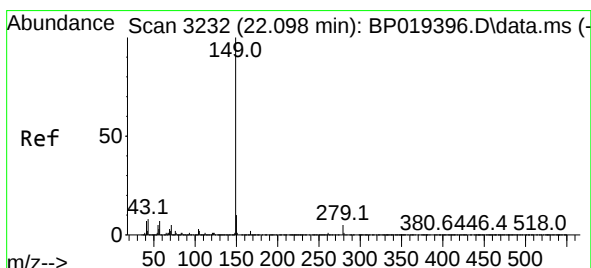
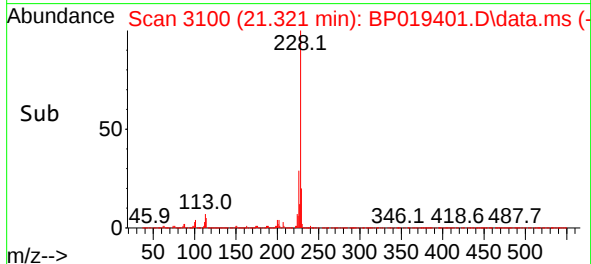
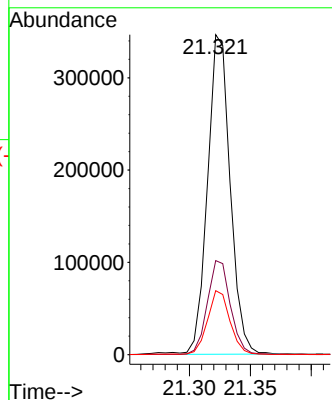
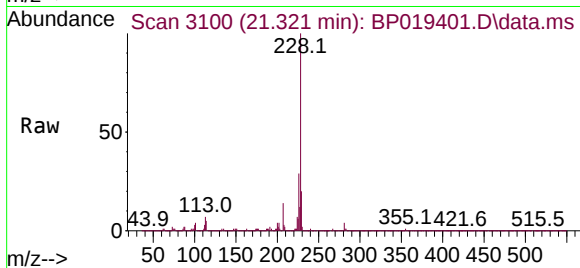
Tgt Ion:228 Resp: 447416

Ion Ratio Lower Upper

228 100

226 29.4 23.9 35.9

229 20.0 15.5 23.3



#89

Di-n-octyl phthalate

Concen: 4.962 ng/ul

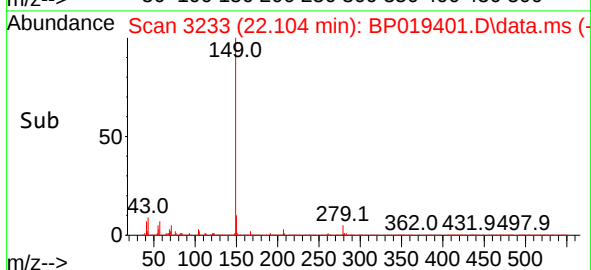
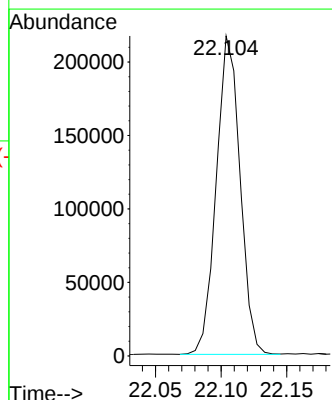
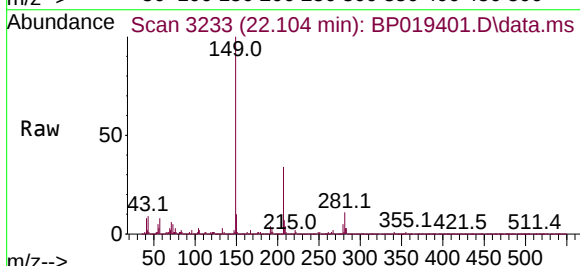
RT: 22.104 min Scan# 3233

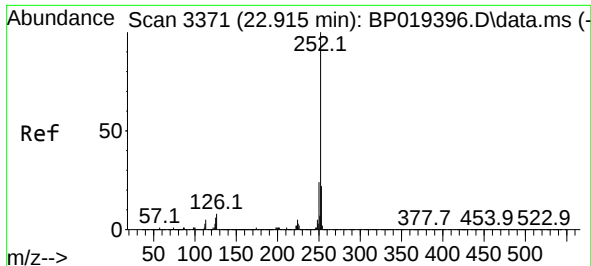
Delta R.T. -0.000 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Tgt Ion:149 Resp: 273886

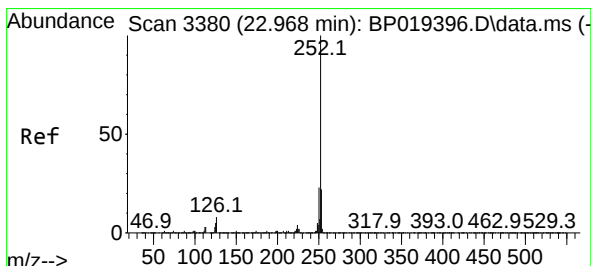
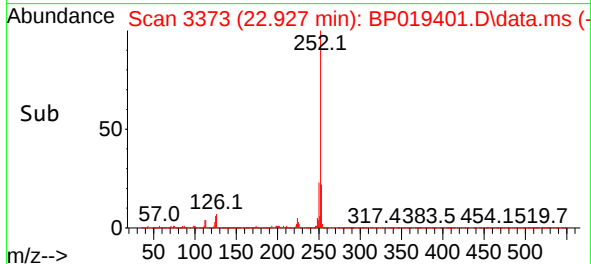
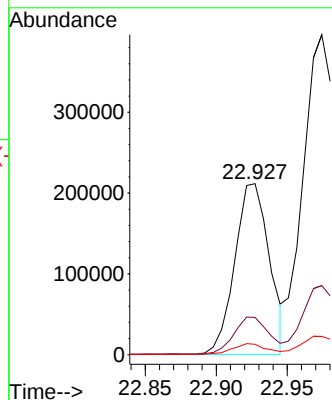
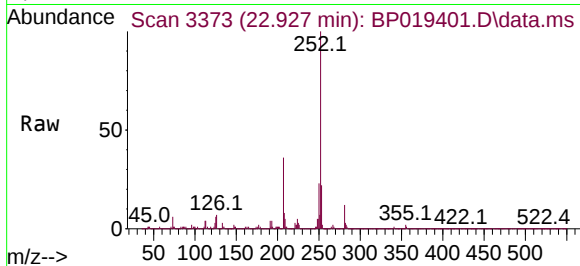




#90
Benzo(b)fluoranthene
Concen: 6.203 ng/ul
RT: 22.927 min Scan# 3371
Delta R.T. 0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

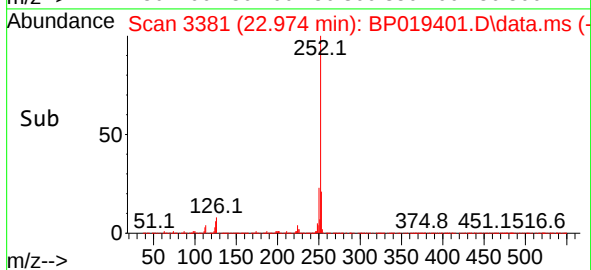
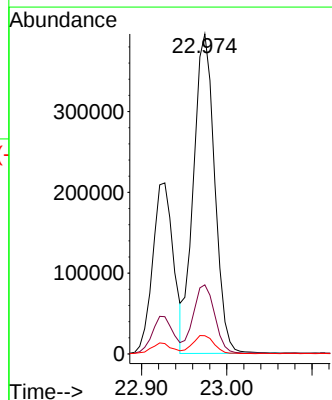
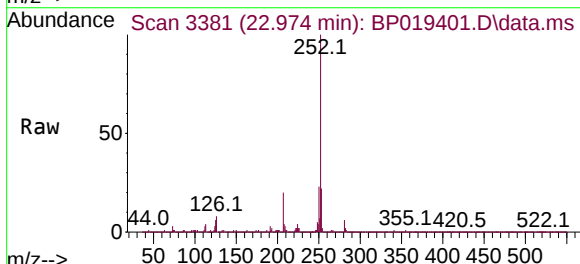
Instrument :
BNA_P
ClientSampleId :
XA313DL

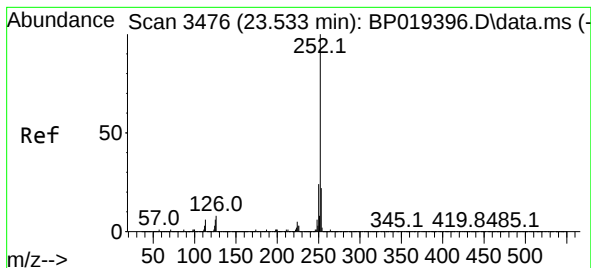
Tgt Ion:252 Resp: 358516
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 6.0 4.9 7.3



#91
Benzo(k)fluoranthene
Concen: 12.175 ng/ul
RT: 22.974 min Scan# 3381
Delta R.T. 0.006 min
Lab File: BP019401.D
Acq: 19 Jan 2024 13:43

Tgt Ion:252 Resp: 682584
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 5.7 4.8 7.2





#93

Benzo(a)pyrene

Concen: 7.484 ng/ul

RT: 23.539 min Scan# 3476

Delta R.T. -0.000 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Instrument :

BNA_P

ClientSampleId :

XA313DL

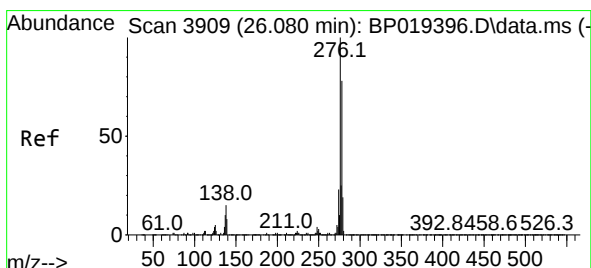
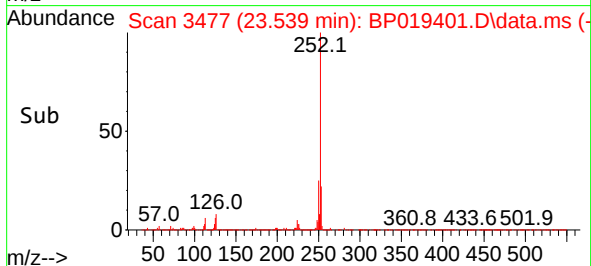
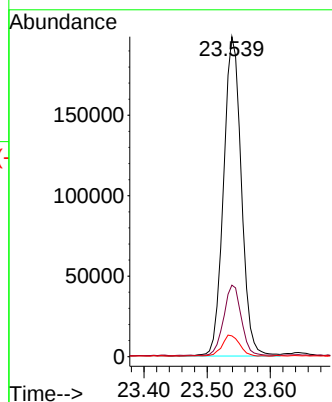
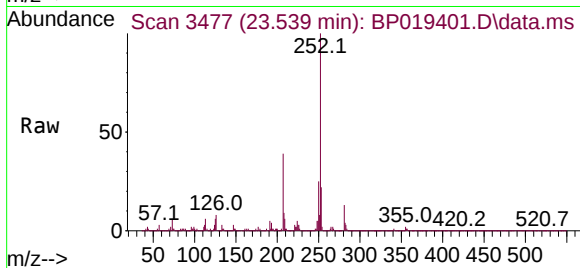
Tgt Ion:252 Resp: 388649

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 6.5 5.2 7.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 10.410 ng/ul

RT: 26.092 min Scan# 3911

Delta R.T. 0.006 min

Lab File: BP019401.D

Acq: 19 Jan 2024 13:43

Tgt Ion:276 Resp: 639369

Ion Ratio Lower Upper

276 100

138 12.7 12.2 18.4

277 24.6 19.9 29.9

