

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102424\
 Data File : BP022587.D
 Acq On : 24 Oct 2024 14:31
 Operator : RC/JU
 Sample : P4476-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA103DL

Quant Time: Oct 24 15:01:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 05:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	90183	20.000	ng/u1	-0.03
20) Naphthalene-d8	10.387	136	340055	20.000	ng/u1	-0.03
38) Acenaphthene-d10	14.257	164	273532	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.081	188	687600	20.000	ng/u1	0.00
79) Chrysene-d12	21.522	240	741033	20.000	ng/u1	0.02
88) Perylene-d12	24.798	264	868531	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	2155	0.929	ng/uL	-0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.822	99	41692	5.492	ng/u1	-0.03
9) Bis-(2-Chloroethyl)eth...	6.970	67	24041	5.388	ng/u1	-0.03
11) 2-Chlorophenol-d4	7.175	132	30216	5.609	ng/u1	-0.03
15) 4-Methylphenol-d8	8.334	113	33995	5.611	ng/u1	-0.03
21) Nitrobenzene-d5	8.769	128	15509	5.932	ng/u1	-0.03
24) 2-Nitrophenol-d4	9.487	143	18632	6.155	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.022	165	43956	6.832	ng/u1	-0.03
31) 4-Chloroaniline-d4	10.534	131	29287	3.852	ng/u1	-0.02
46) Dimethylphthalate-d6	13.669	166	142277	6.547	ng/u1	-0.01
49) Acenaphthylene-d8	13.946	160	148276	6.424	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.493	143	20933	5.741	ng/u1	-0.01
60) Fluorene-d10	15.275	176	128641	6.824	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.422	200	19459	4.303	ng/u1	0.00
73) Anthracene-d10	17.175	188	226440	7.000	ng/u1	0.00
81) Pyrene-d10	19.557	212	298919	7.628	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.557	264	336836	7.262	ng/u1	0.03
Target Compounds						
					Qvalue	
8) Phenol	6.846	94	134467	17.025	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.064	93	260950	44.147	ng/u1	98
12) 2-Chlorophenol	7.199	128	209590	37.628	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.416	70	86030	16.978	ng/u1	95
19) Hexachloroethane	8.687	117	39862	15.366	ng/u1	95
22) Nitrobenzene	8.811	77	166911	21.386	ng/u1	100
23) Isophorone	9.328	82	596198	42.605	ng/u1	98
25) 2-Nitrophenol	9.516	139	70486	21.605	ng/u1	97
29) 2,4-Dichlorophenol	10.046	162	142562	22.501	ng/u1	98
30) Naphthalene	10.434	128	364663	20.133	ng/u1	98
33) Hexachlorobutadiene	10.710	225	97308	18.223	ng/u1	99
35) 4-Chloro-3-methylphenol	11.687	107	69578	10.065	ng/u1	97
36) 2-Methylnaphthalene	12.052	142	491536	36.971	ng/u1	98
41) 2,4,6-Trichlorophenol	12.681	196	83854	13.181	ng/u1	96
42) 2,4,5-Trichlorophenol	12.752	196	137645	20.319	ng/u1	98
44) 2-Chloronaphthalene	13.116	162	462368	28.648	ng/u1	99
48) 2,6-Dinitrotoluene	13.834	165	177856	43.421	ng/u1	99
52) Acenaphthene	14.334	153	583469	34.443	ng/u1	99
55) 4-Nitrophenol	14.516	109	99650	24.626	ng/u1	96
57) 2,4-Dinitrotoluene	14.651	165	90917	14.284	ng/u1	95
59) Diethylphthalate	15.104	149	919499	44.257	ng/u1	99
61) Fluorene	15.334	166	183417	8.846	ng/u1	96
62) 4-Chlorophenyl-phenyle...	15.334	204	460607	38.848	ng/u1	97
71) Pentachlorophenol	16.722	266	287536	43.814	ng/u1	97

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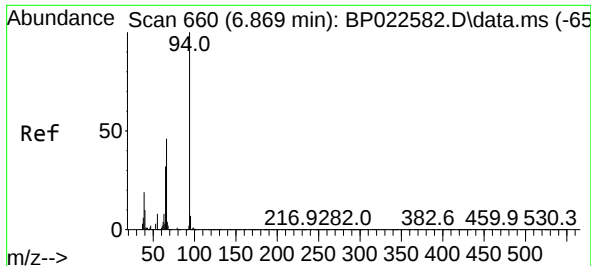
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 05:59:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Phenanthrene	17.122	178	1806753	49.114	ng/ul	99
74) Anthracene	17.210	178	461650	12.575	ng/ul	99
78) Di-n-butylphthalate	18.087	149	1023586	28.478	ng/ul	99
83) Butylbenzylphthalate	20.545	149	809234	48.137	ng/ul	94
87) Chrysene	21.569	228	315265	6.545	ng/ul	99
89) Di-n-octyl phthalate	22.669	149	1853486	44.865	ng/ul	100
90) Benzo(b)fluoranthene	23.757	252	869933	15.912	ng/ul	98
93) Benzo(a)pyrene	24.639	252	645072	12.820	ng/ul	99

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

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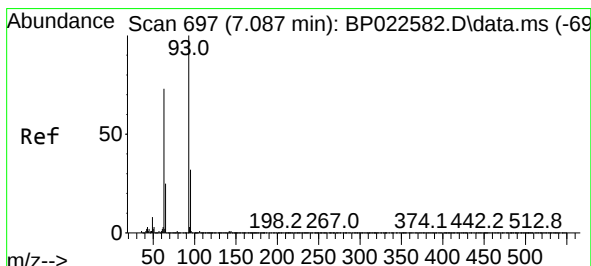
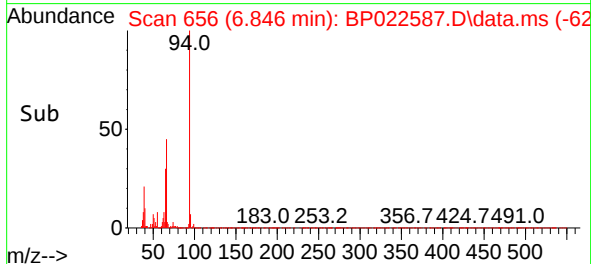
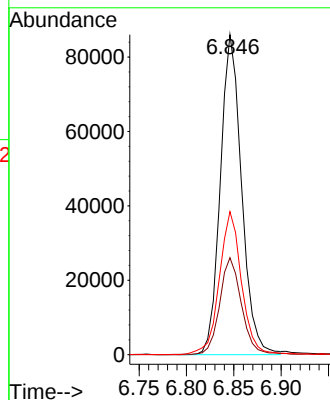
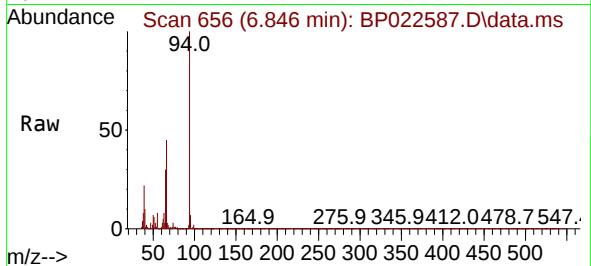




#8
Phenol
Concen: 17.025 ng/ul
RT: 6.846 min Scan# 61
Delta R.T. -0.035 min
Lab File: BP022587.D
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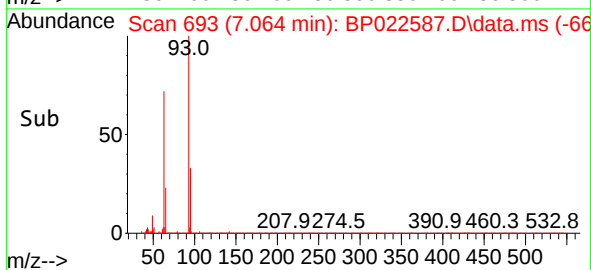
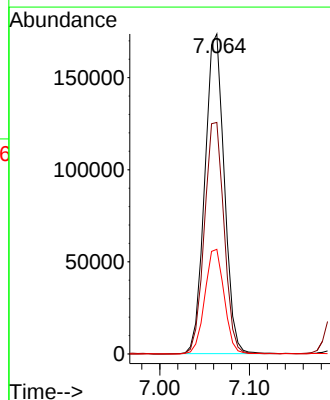
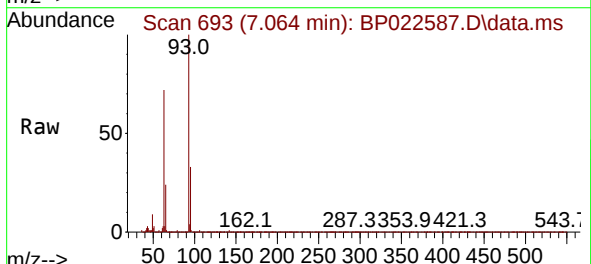
Instrument :
BNA_P
ClientSampleId :
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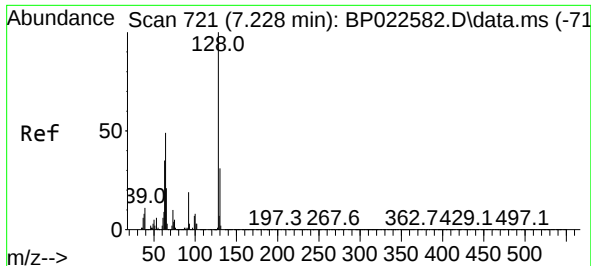
Tgt Ion: 94 Resp: 134467
Ion Ratio Lower Upper
94 100
65 30.3 25.9 38.9
66 44.7 37.6 56.4



#10
Bis(2-Chloroethyl)ether
Concen: 44.147 ng/ul
RT: 7.064 min Scan# 693
Delta R.T. -0.029 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion: 93 Resp: 260950
Ion Ratio Lower Upper
93 100
63 72.3 59.0 88.6
95 32.7 25.6 38.4

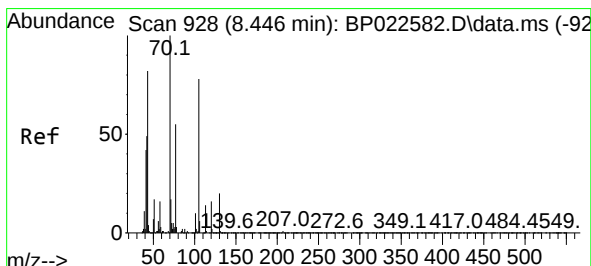
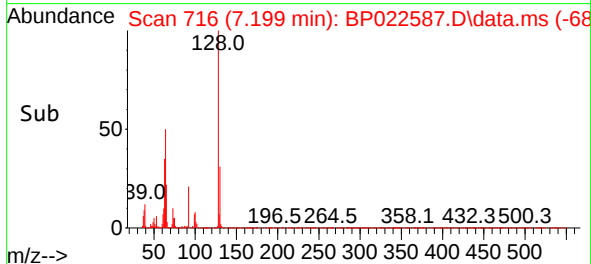
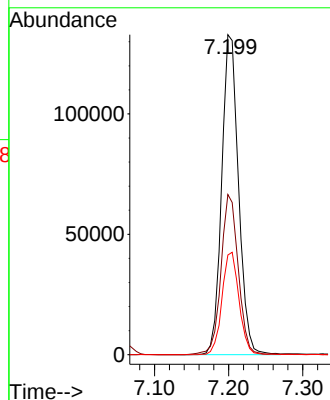
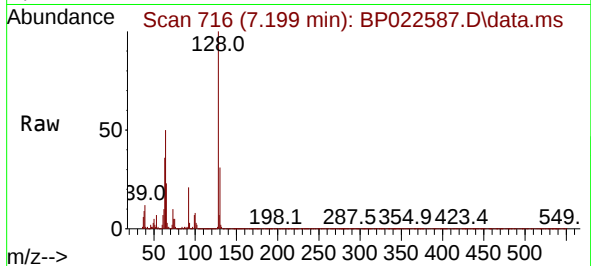




#12
2-Chlorophenol
Concen: 37.628 ng/ul
RT: 7.199 min Scan# 716
Delta R.T. -0.035 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

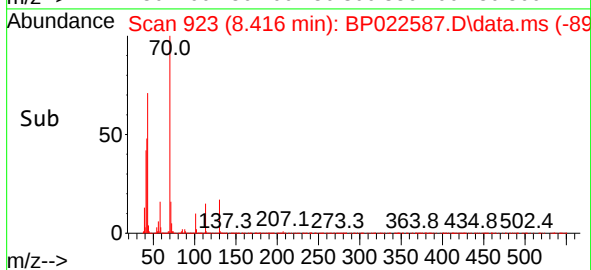
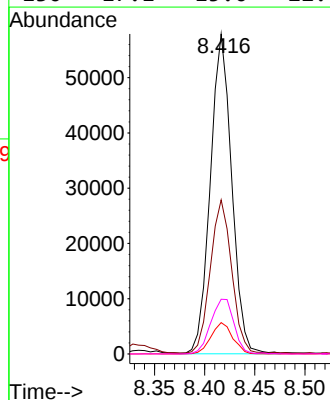
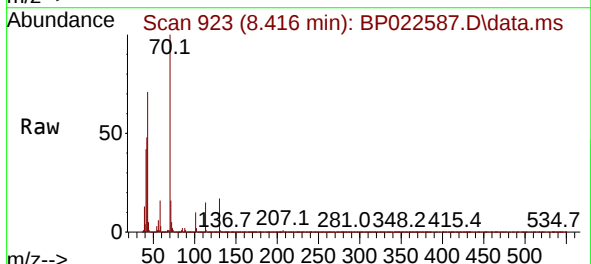
Instrument :
BNA_P
ClientSampleId :
XA103DL

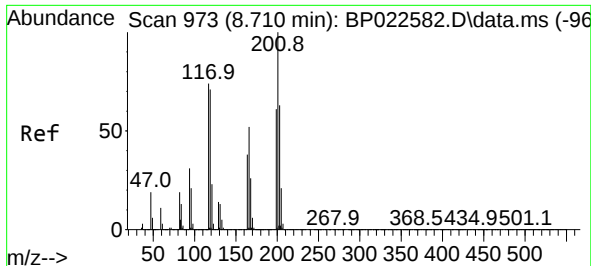
Tgt Ion:128 Resp: 209590
Ion Ratio Lower Upper
128 100
64 50.1 42.4 63.6
130 31.1 24.8 37.2



#17
N-Nitroso-di-n-propylamine
Concen: 16.978 ng/ul
RT: 8.416 min Scan# 923
Delta R.T. -0.041 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion: 70 Resp: 86030
Ion Ratio Lower Upper
70 100
42 48.2 42.0 63.0
101 9.8 7.8 11.6
130 17.1 15.0 22.6

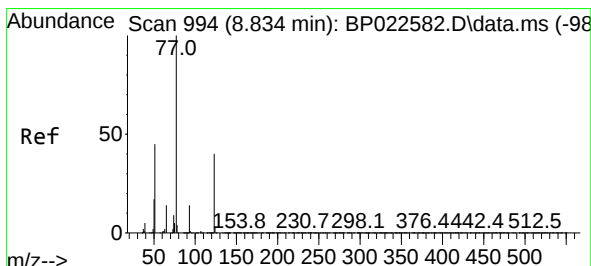
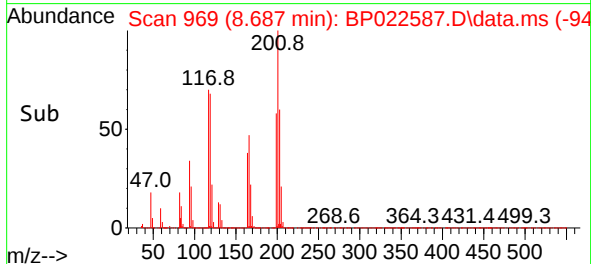
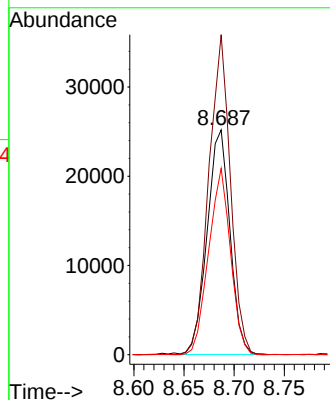
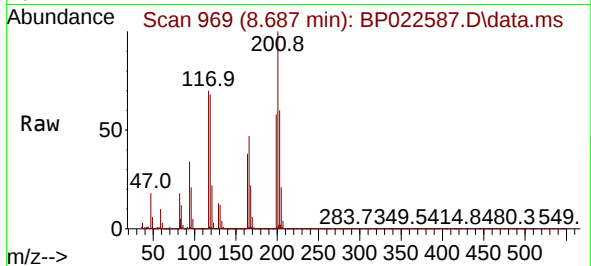




#19
Hexachloroethane
Concen: 15.366 ng/ul
RT: 8.687 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

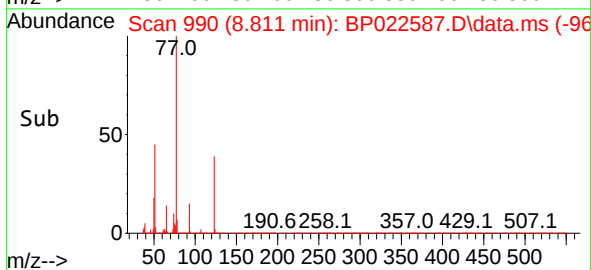
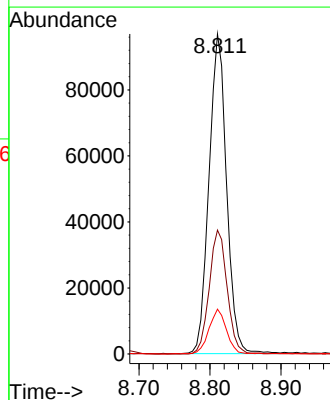
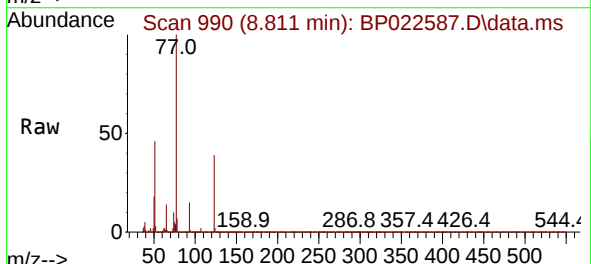
Instrument :
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ClientSampleId :
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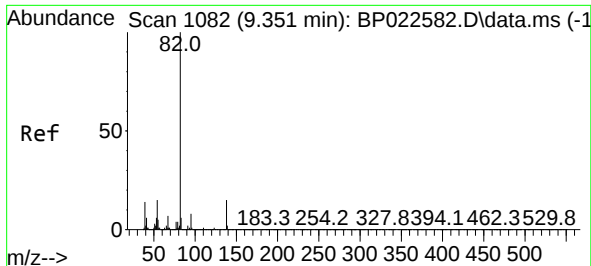
Tgt Ion:117 Resp: 39862
Ion Ratio Lower Upper
117 100
201 142.3 106.6 160.0
199 82.8 66.9 100.3



#22
Nitrobenzene
Concen: 21.386 ng/ul
RT: 8.811 min Scan# 990
Delta R.T. -0.035 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion: 77 Resp: 166911
Ion Ratio Lower Upper
77 100
123 38.7 30.8 46.2
65 14.0 11.4 17.2

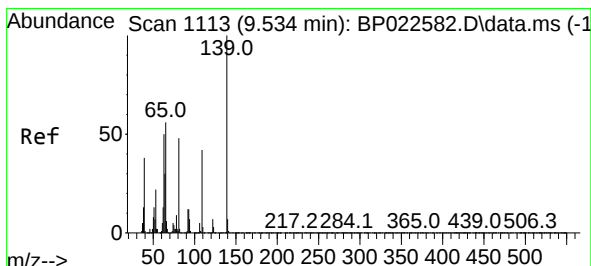
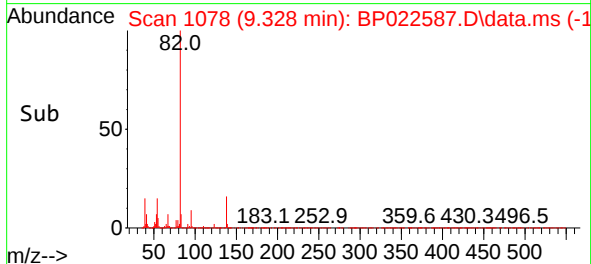
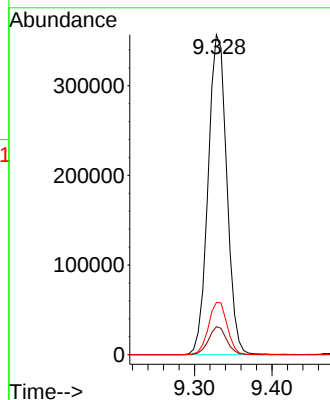
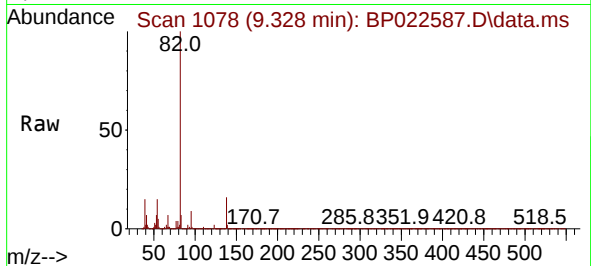




#23
Isophorone
Concen: 42.605 ng/ul
RT: 9.328 min Scan# 1082
Delta R.T. -0.035 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

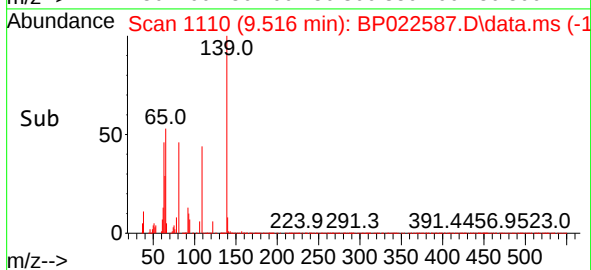
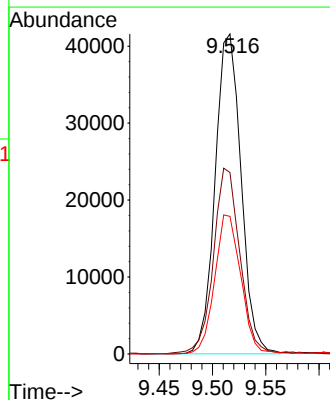
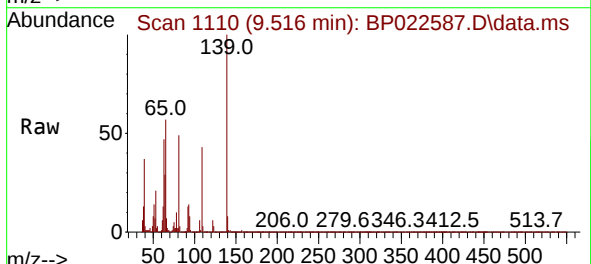
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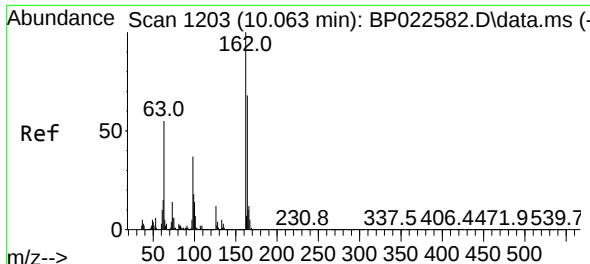
Tgt Ion: 82 Resp: 596198
Ion Ratio Lower Upper
82 100
95 8.8 6.7 10.1
138 16.3 12.3 18.5



#25
2-Nitrophenol
Concen: 21.605 ng/ul
RT: 9.516 min Scan# 1110
Delta R.T. -0.029 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:139 Resp: 70486
Ion Ratio Lower Upper
139 100
65 56.7 48.5 72.7
109 43.0 35.0 52.4

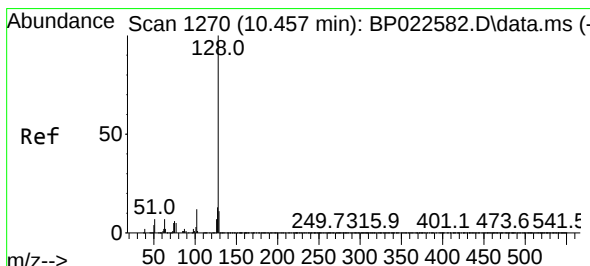
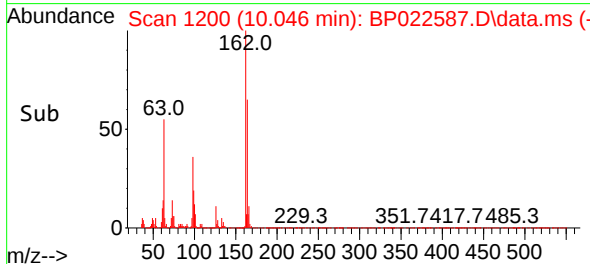
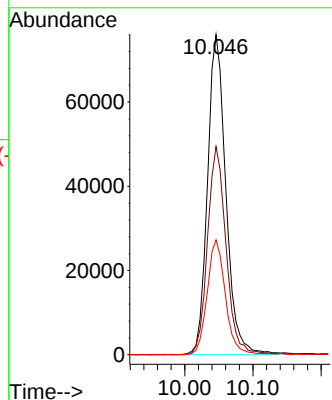
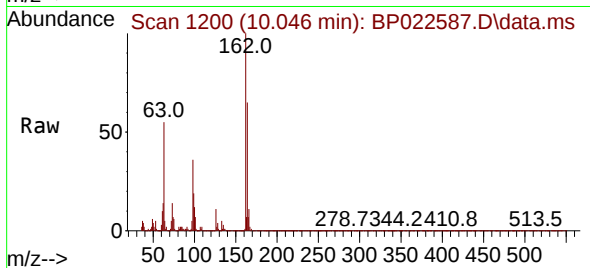




#29
2,4-Dichlorophenol
Concen: 22.501 ng/ul
RT: 10.046 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

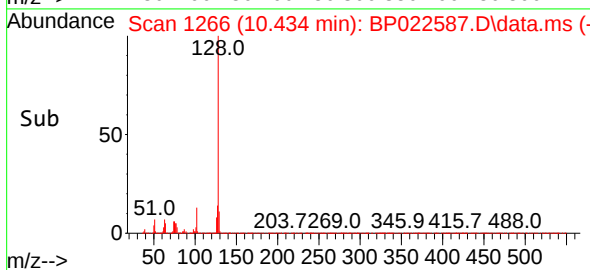
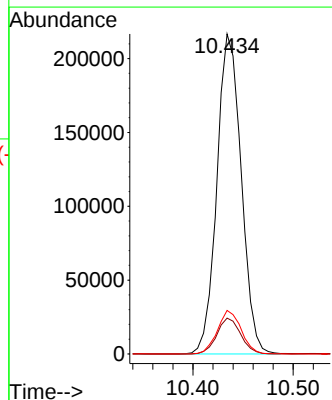
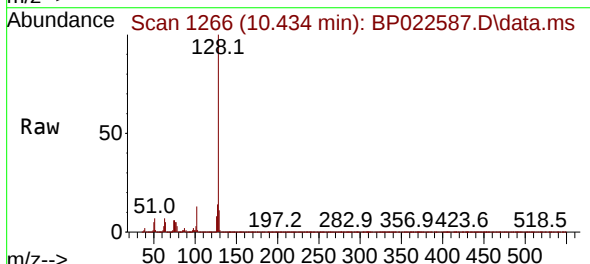
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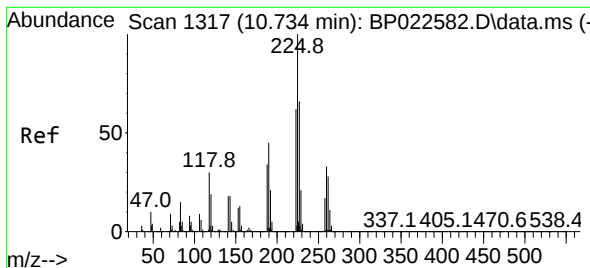
Tgt Ion:162 Resp: 142562
Ion Ratio Lower Upper
162 100
164 65.0 53.5 80.3
98 35.9 28.6 42.8



#30
Naphthalene
Concen: 20.133 ng/ul
RT: 10.434 min Scan# 1266
Delta R.T. -0.035 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:128 Resp: 364663
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.6 9.9 14.9





#33

Hexachlorobutadiene

Concen: 18.223 ng/ul

RT: 10.710 min Scan# 11

Delta R.T. -0.035 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Instrument :

BNA_P

ClientSampleId :

XA103DL

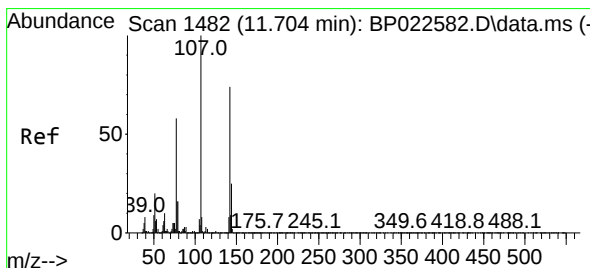
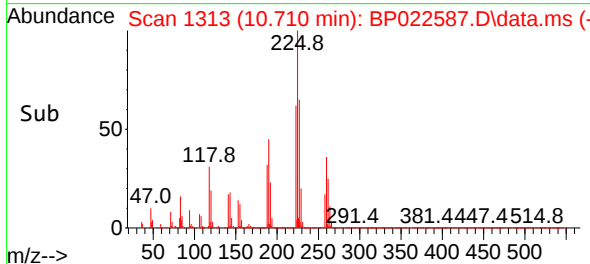
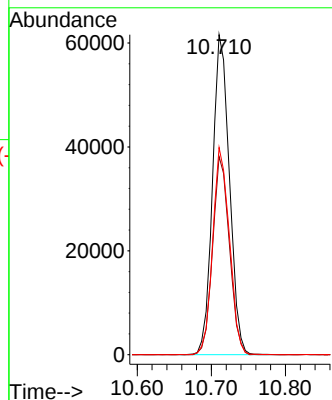
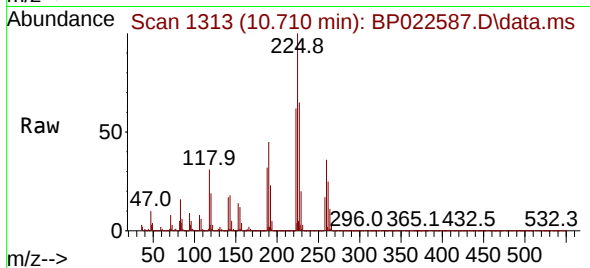
Tgt Ion:225 Resp: 97308

Ion Ratio Lower Upper

225 100

223 61.9 50.2 75.4

227 64.8 51.7 77.5



#35

4-Chloro-3-methylphenol

Concen: 10.065 ng/ul

RT: 11.687 min Scan# 1479

Delta R.T. -0.023 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

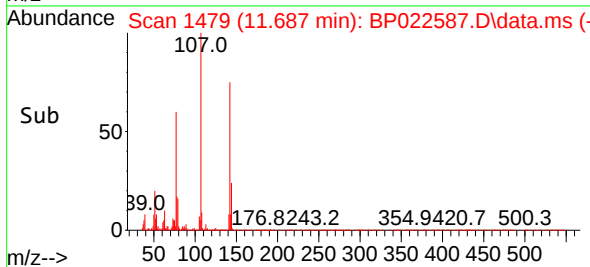
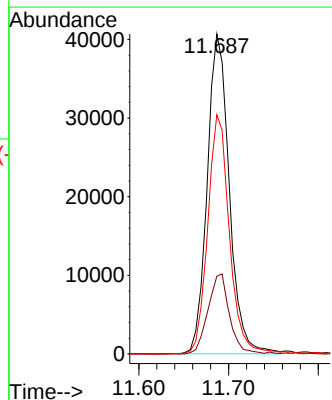
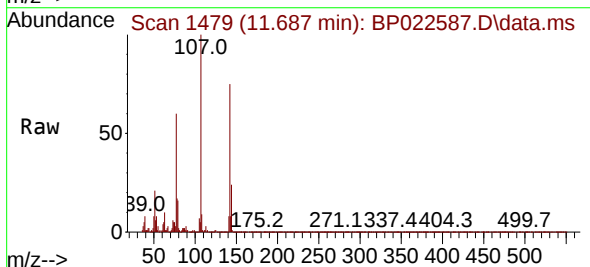
Tgt Ion:107 Resp: 69578

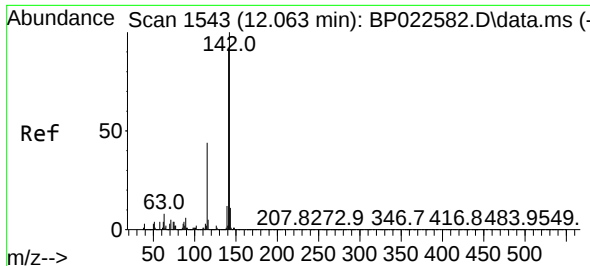
Ion Ratio Lower Upper

107 100

144 24.3 18.5 27.7

142 74.7 57.6 86.4

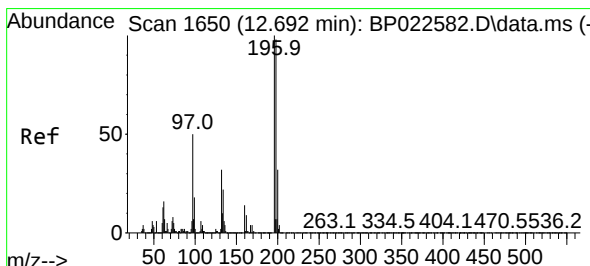
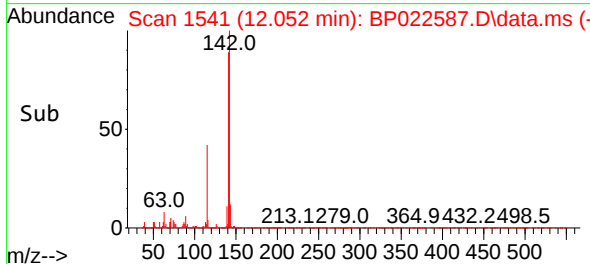
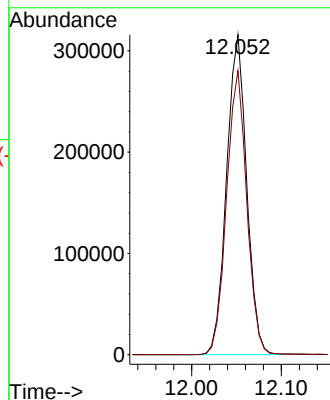
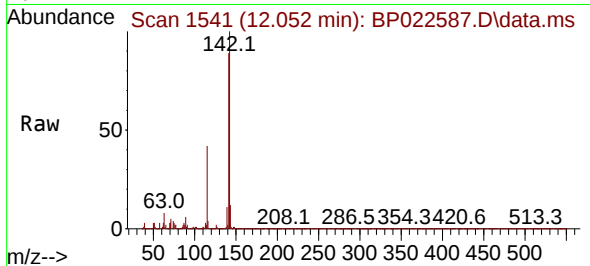




#36
2-Methylnaphthalene
Concen: 36.971 ng/ul
RT: 12.052 min Scan# 11
Delta R.T. -0.023 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

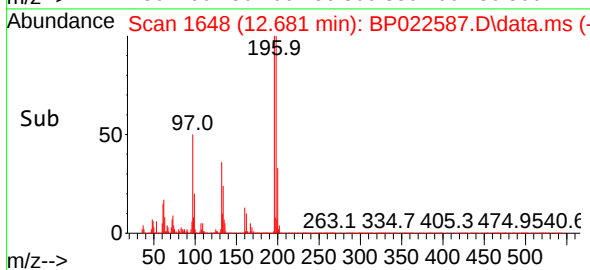
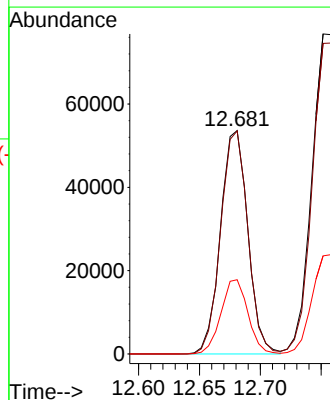
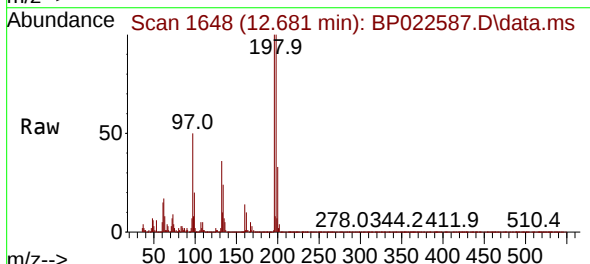
Instrument :
BNA_P
ClientSampleId :
XA103DL

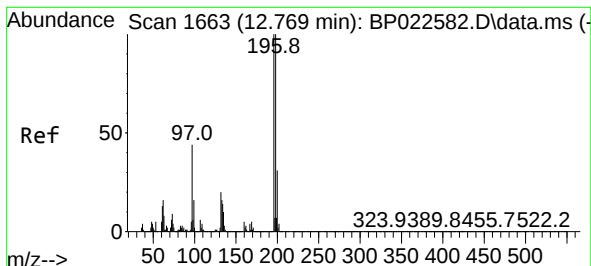
Tgt Ion:142 Resp: 491536
Ion Ratio Lower Upper
142 100
141 88.8 69.8 104.6



#41
2,4,6-Trichlorophenol
Concen: 13.181 ng/ul
RT: 12.681 min Scan# 1648
Delta R.T. -0.011 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:196 Resp: 83854
Ion Ratio Lower Upper
196 100
198 99.9 75.8 113.8
200 33.2 25.6 38.4

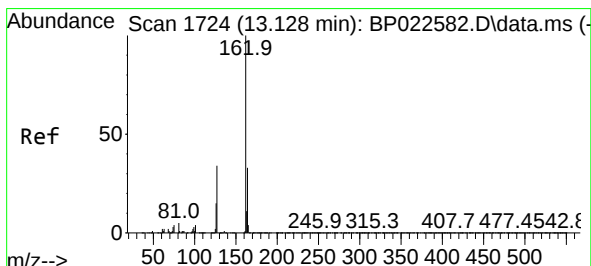
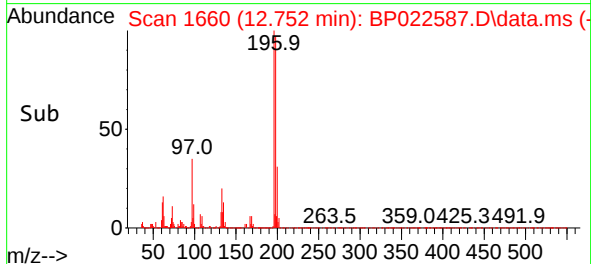
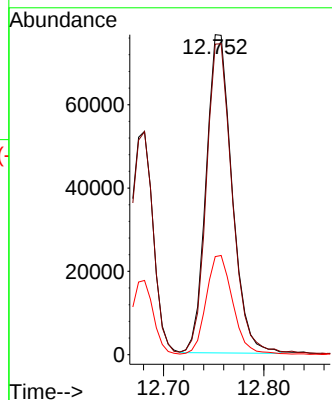
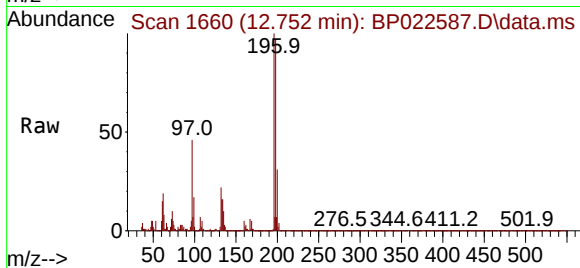




#42
2,4,5-Trichlorophenol
Concen: 20.319 ng/ul
RT: 12.752 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

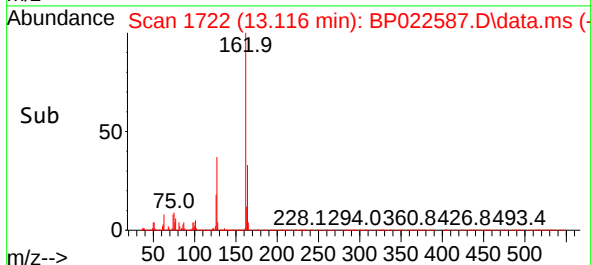
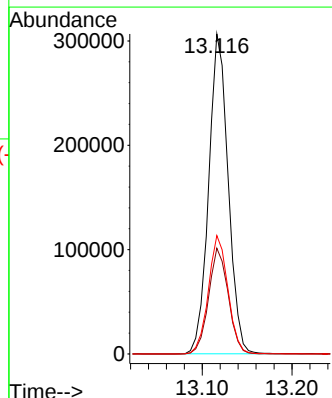
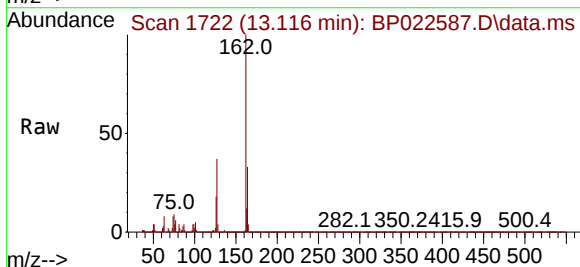
Instrument :
BNA_P
ClientSampleId :
XA103DL

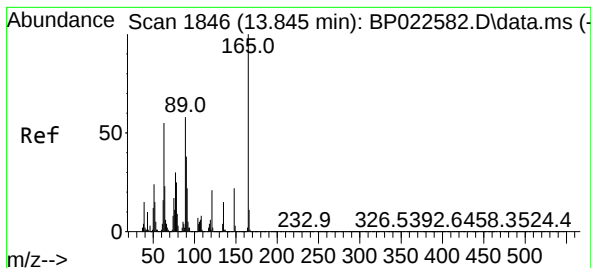
Tgt Ion:196 Resp: 137645
Ion Ratio Lower Upper
196 100
198 97.1 78.0 117.0
200 30.7 27.0 40.4



#44
2-Chloronaphthalene
Concen: 28.648 ng/ul
RT: 13.116 min Scan# 1722
Delta R.T. -0.023 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:162 Resp: 462368
Ion Ratio Lower Upper
162 100
164 33.1 26.2 39.4
127 37.0 28.8 43.2





#48

2,6-Dinitrotoluene

Concen: 43.421 ng/ul

RT: 13.834 min Scan# 1844

Delta R.T. -0.017 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Instrument :

BNA_P

ClientSampleId :

XA103DL

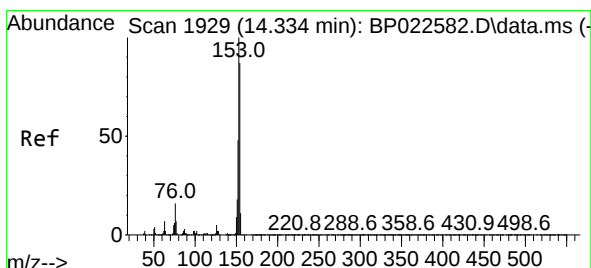
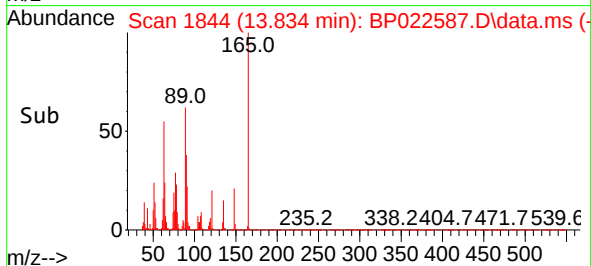
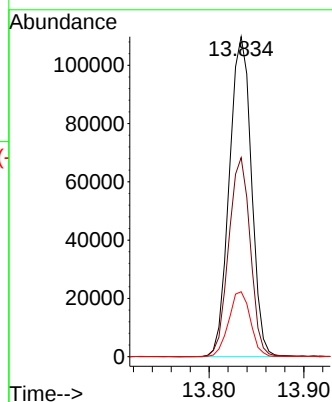
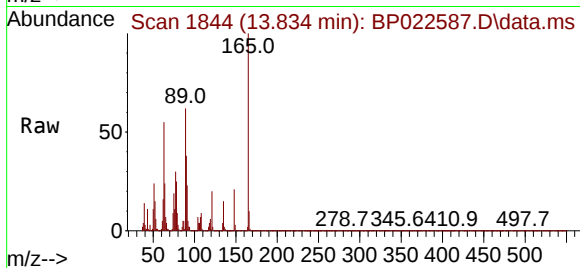
Tgt Ion:165 Resp: 177856

Ion Ratio Lower Upper

165 100

89 62.2 50.2 75.4

121 20.3 17.1 25.7



#52

Acenaphthene

Concen: 34.443 ng/ul

RT: 14.334 min Scan# 1929

Delta R.T. 0.001 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

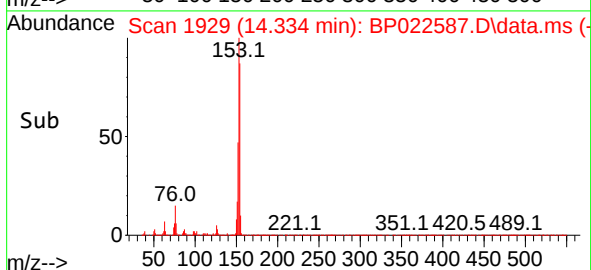
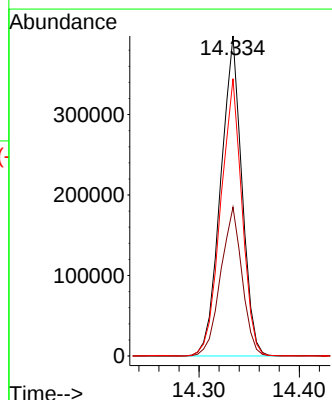
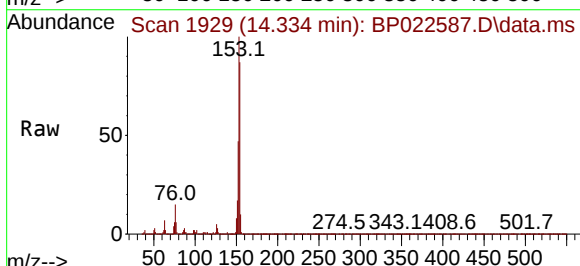
Tgt Ion:153 Resp: 583469

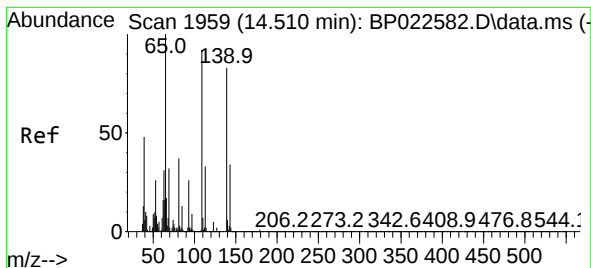
Ion Ratio Lower Upper

153 100

152 46.5 37.8 56.6

154 86.6 69.5 104.3

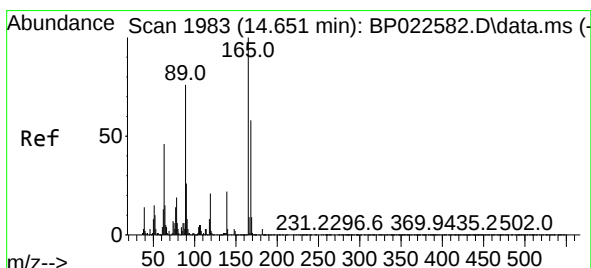
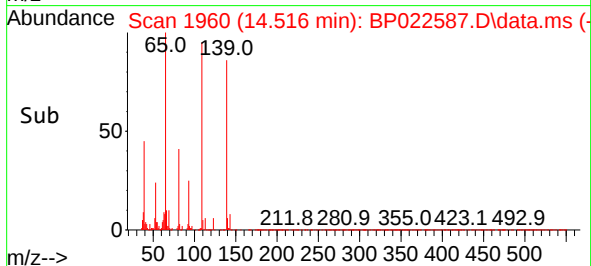
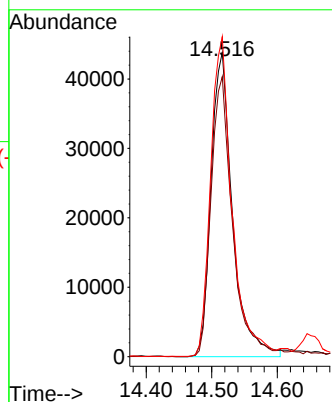
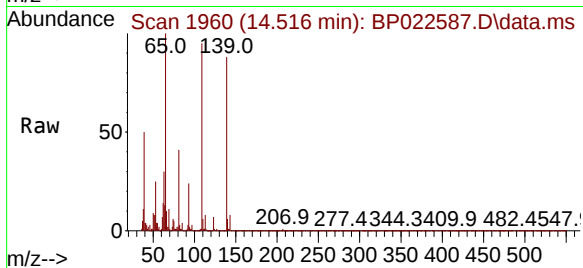




#55
4-Nitrophenol
Concen: 24.626 ng/ul
RT: 14.516 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

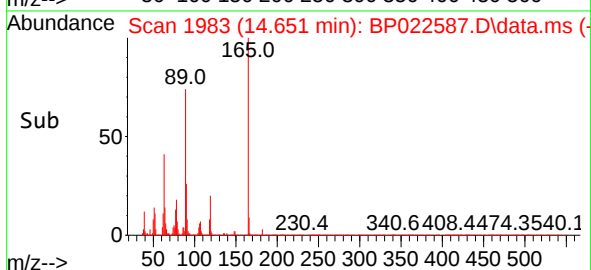
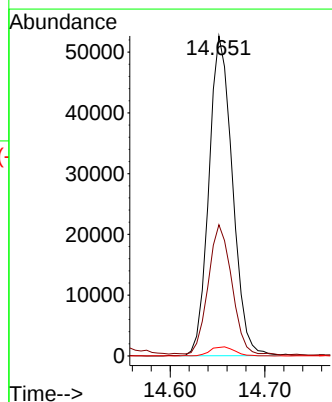
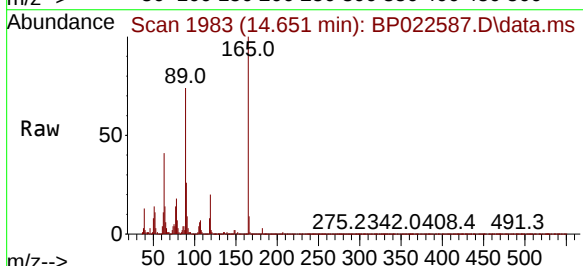
Instrument :
BNA_P
ClientSampleId :
XA103DL

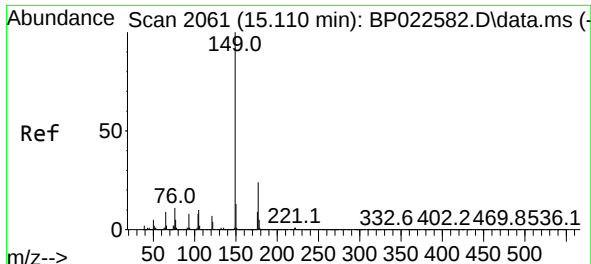
Tgt Ion:109 Resp: 99650
Ion Ratio Lower Upper
109 100
139 92.0 76.4 114.6
65 105.1 87.4 131.0



#57
2,4-Dinitrotoluene
Concen: 14.284 ng/ul
RT: 14.651 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:165 Resp: 90917
Ion Ratio Lower Upper
165 100
63 41.0 35.3 52.9
182 2.7 2.6 4.0

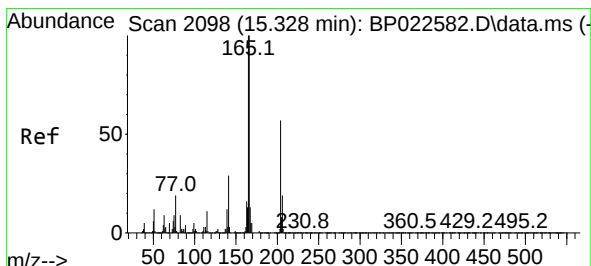
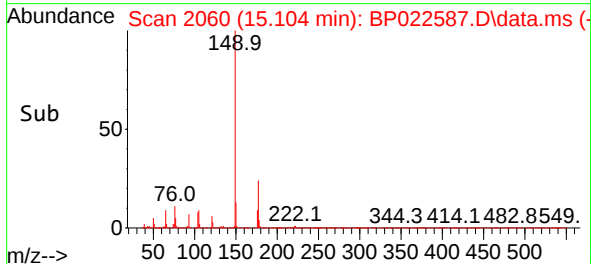
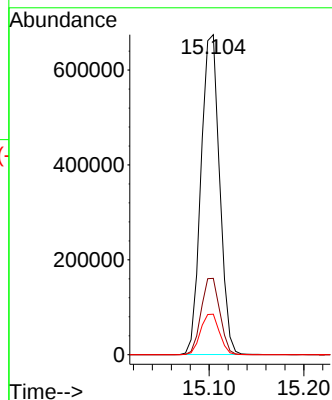
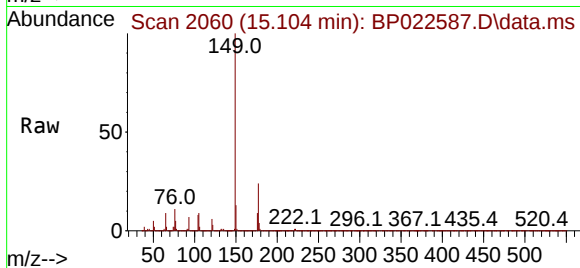




#59
Diethylphthalate
Concen: 44.257 ng/ul
RT: 15.104 min Scan# 2060
Delta R.T. 0.001 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

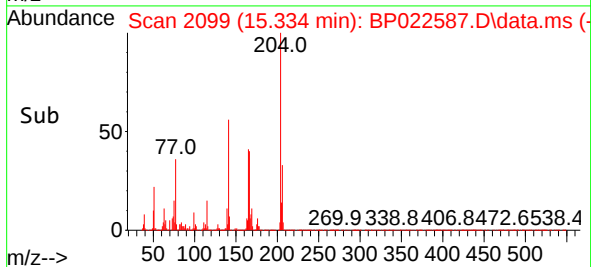
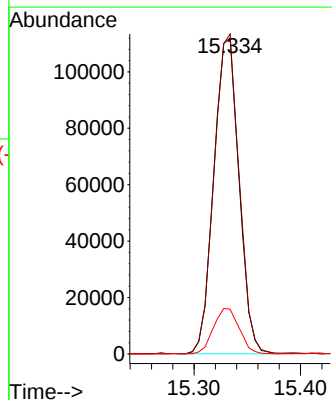
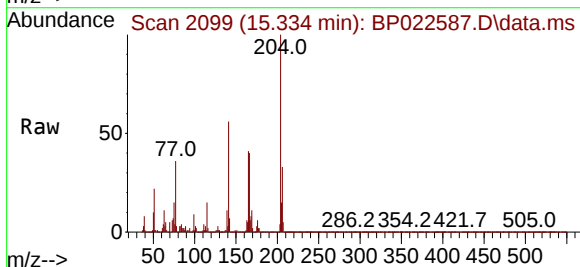
Instrument :
BNA_P
ClientSampleId :
XA103DL

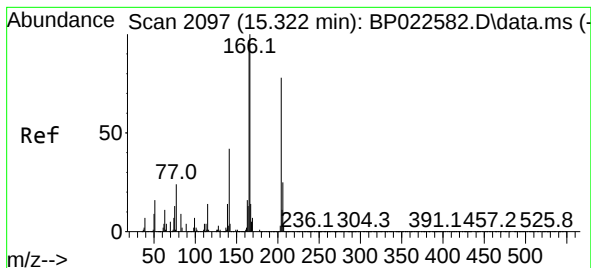
Tgt Ion:149 Resp: 919499
Ion Ratio Lower Upper
149 100
177 23.9 19.9 29.9
150 12.7 10.2 15.4



#61
Fluorene
Concen: 8.846 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. -0.005 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:166 Resp: 183417
Ion Ratio Lower Upper
166 100
165 101.3 77.8 116.6
167 14.2 11.1 16.7

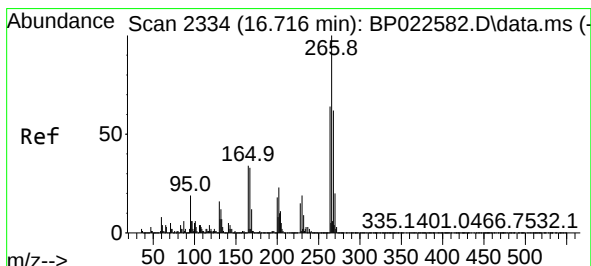
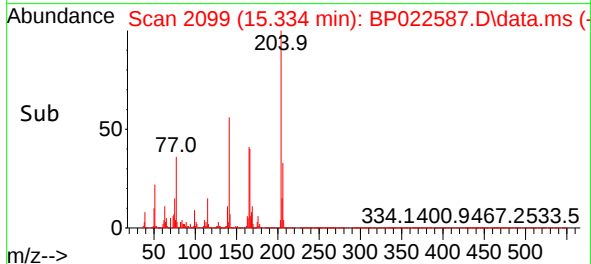
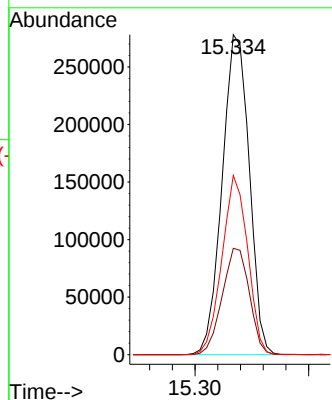
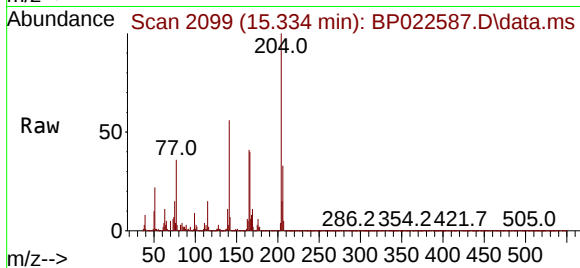




#62
4-Chlorophenyl-phenylether
Concen: 38.848 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. 0.001 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

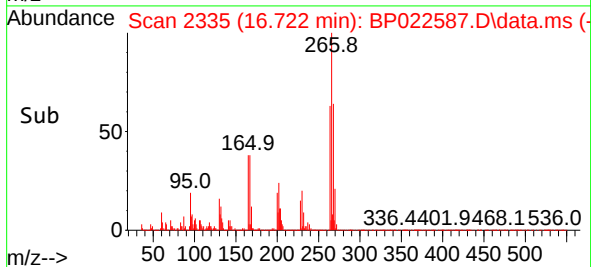
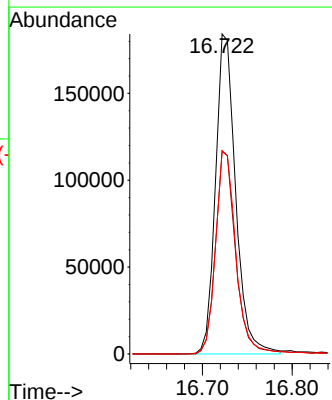
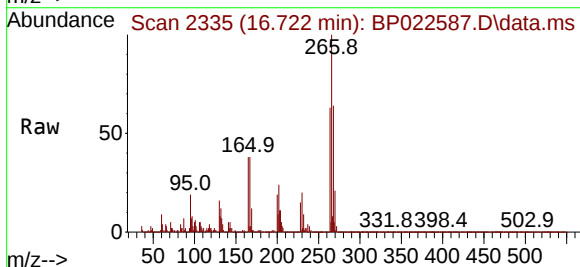
Instrument :
BNA_P
ClientSampleId :
XA103DL

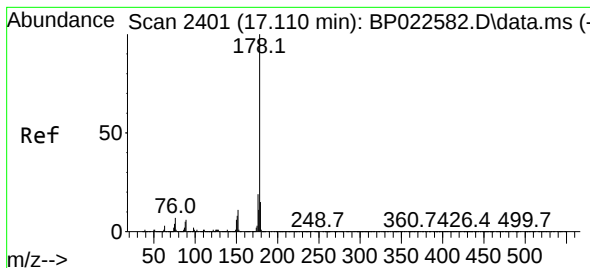
Tgt Ion:204 Resp: 460607
Ion Ratio Lower Upper
204 100
206 33.2 26.4 39.6
141 56.0 42.6 63.8



#71
Pentachlorophenol
Concen: 43.814 ng/ul
RT: 16.722 min Scan# 2335
Delta R.T. -0.005 min
Lab File: BP022587.D
Acq: 24 Oct 2024 14:31

Tgt Ion:266 Resp: 287536
Ion Ratio Lower Upper
266 100
264 63.4 52.4 78.6
268 63.6 53.0 79.4





#72

Phenanthrene

Concen: 49.114 ng/ul

RT: 17.122 min Scan# 2403

Delta R.T. 0.006 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Instrument :

BNA_P

ClientSampleId :

XA103DL

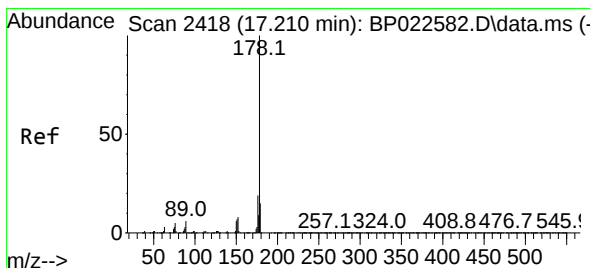
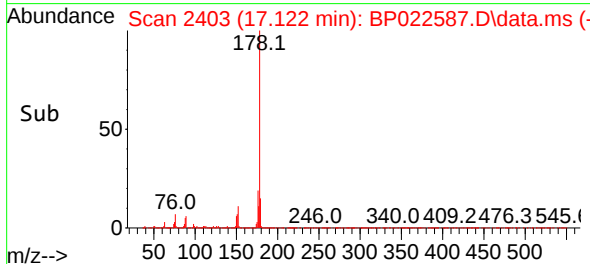
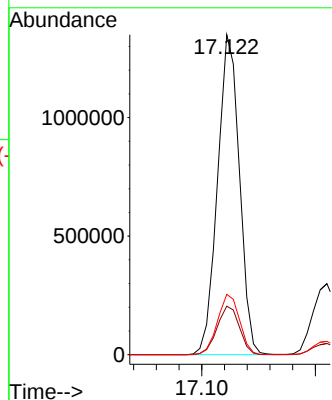
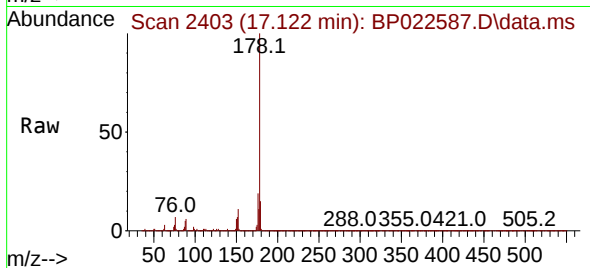
Tgt Ion:178 Resp: 1806753

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

176 18.9 15.7 23.5



#74

Anthracene

Concen: 12.575 ng/ul

RT: 17.210 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

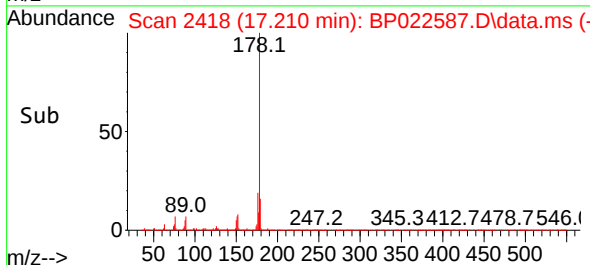
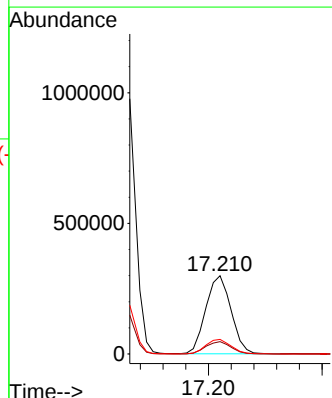
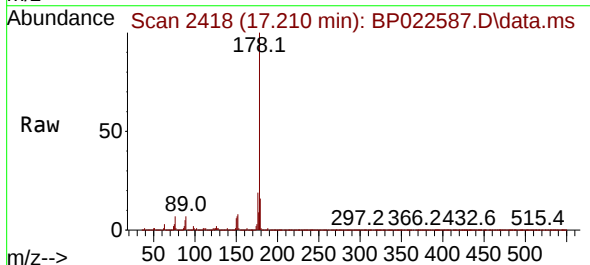
Tgt Ion:178 Resp: 461650

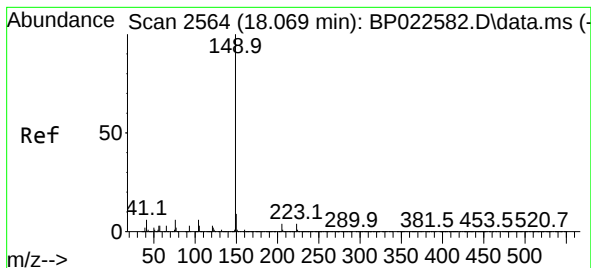
Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

176 18.6 15.0 22.4





#78

Di-n-butylphthalate

Concen: 28.478 ng/ul

RT: 18.087 min Scan# 2

Delta R.T. 0.000 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Instrument :

BNA_P

ClientSampleId :

XA103DL

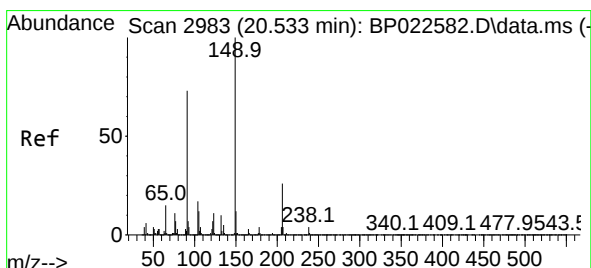
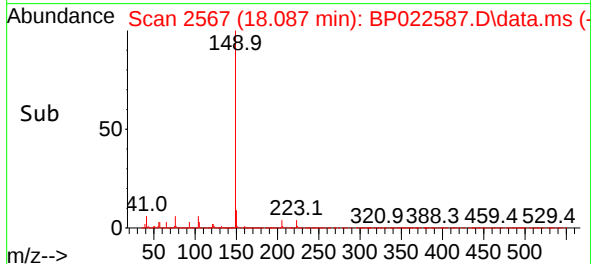
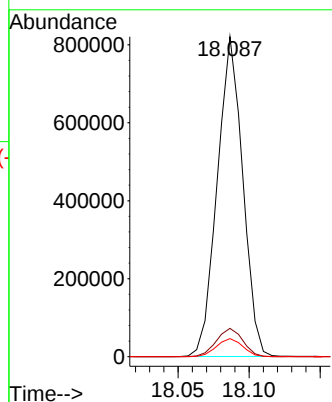
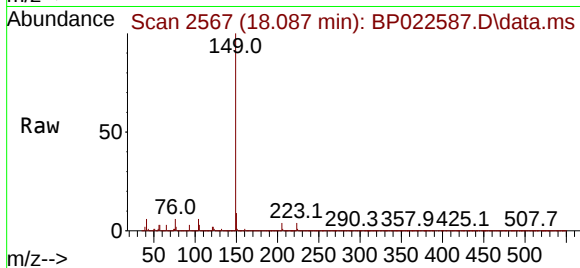
Tgt Ion:149 Resp: 1023586

Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.6 4.8 7.2



#83

Butylbenzylphthalate

Concen: 48.137 ng/ul

RT: 20.545 min Scan# 2985

Delta R.T. 0.012 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

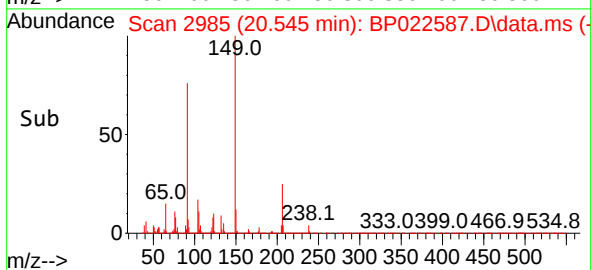
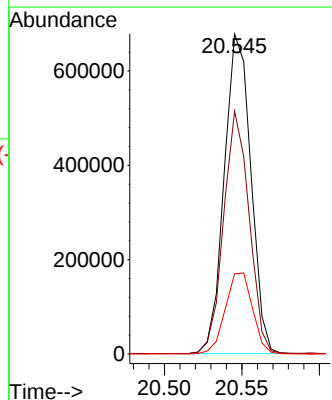
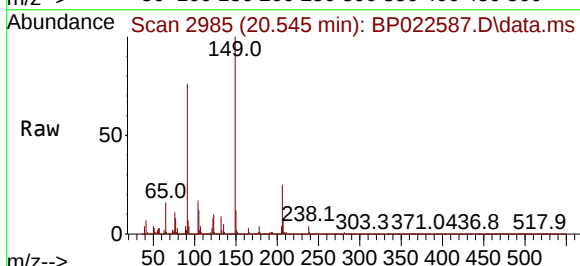
Tgt Ion:149 Resp: 809234

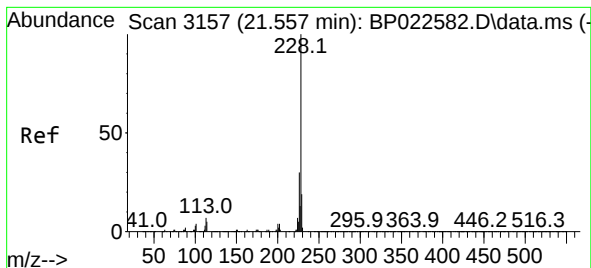
Ion Ratio Lower Upper

149 100

91 75.9 56.6 84.8

206 25.0 18.6 27.8





#87

Chrysene

Concen: 6.545 ng/ul

RT: 21.569 min Scan# 3157

Delta R.T. 0.024 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Instrument :

BNA_P

ClientSampleId :

XA103DL

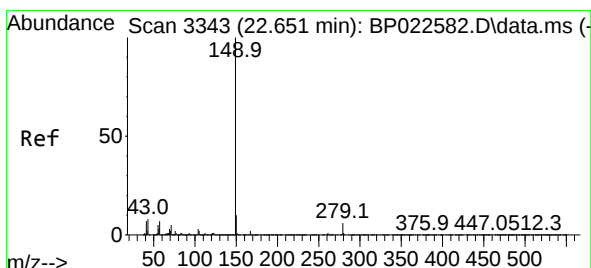
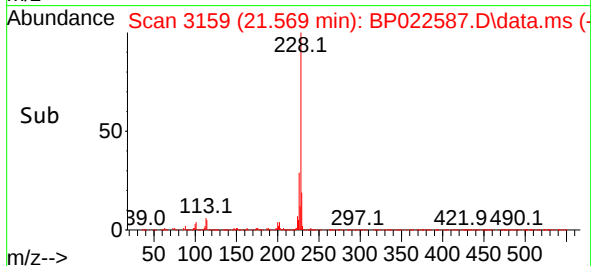
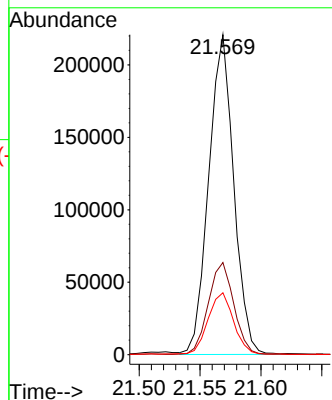
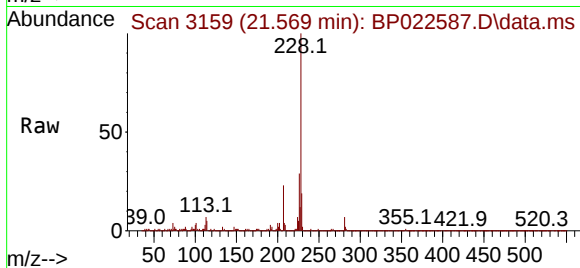
Tgt Ion:228 Resp: 315265

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.8

229 19.3 15.5 23.3



#89

Di-n-octyl phthalate

Concen: 44.865 ng/ul

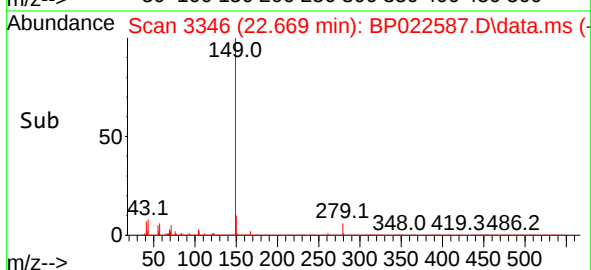
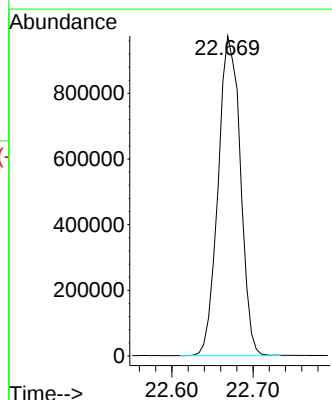
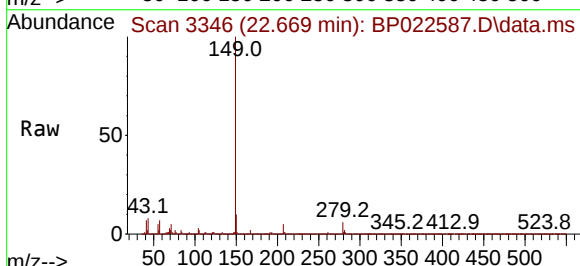
RT: 22.669 min Scan# 3346

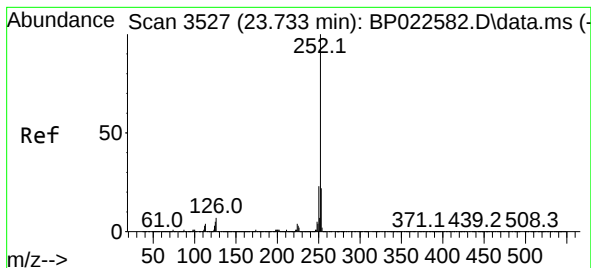
Delta R.T. 0.018 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Tgt Ion:149 Resp: 1853486





#90

Benzo(b)fluoranthene

Concen: 15.912 ng/ul

RT: 23.757 min Scan# 31

Delta R.T. 0.036 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Instrument :

BNA_P

ClientSampleId :

XA103DL

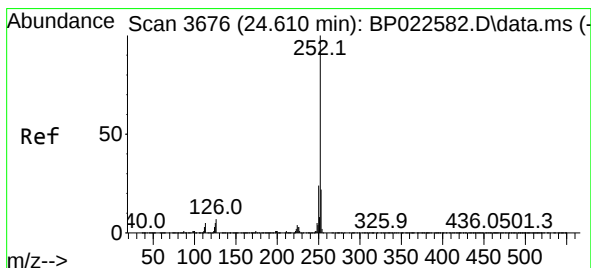
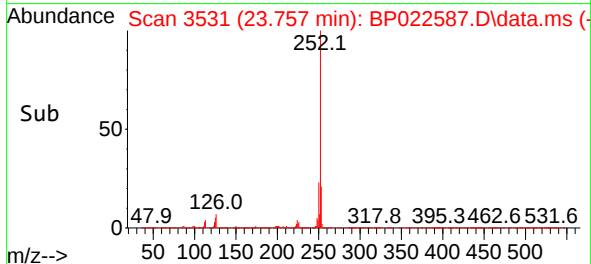
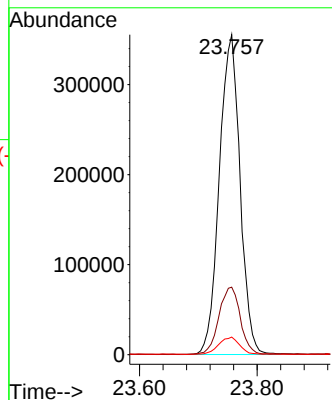
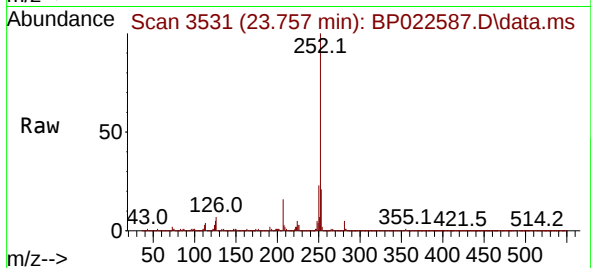
Tgt Ion:252 Resp: 869933

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.8

125 5.5 5.0 7.4



#93

Benzo(a)pyrene

Concen: 12.820 ng/ul

RT: 24.639 min Scan# 3681

Delta R.T. 0.036 min

Lab File: BP022587.D

Acq: 24 Oct 2024 14:31

Tgt Ion:252 Resp: 645072

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 5.9 4.9 7.3

