

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013025\
 Data File : BP023798.D
 Acq On : 30 Jan 2025 14:37
 Operator : RC/JU
 Sample : Q1192-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A44X7

Quant Time: Jan 30 15:02:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 29 17:13:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	449596	20.000	ng/u1	0.00
20) Naphthalene-d8	10.563	136	1850431	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.410	164	1204607	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.198	188	2416481	20.000	ng/u1	-0.01
79) Chrysene-d12	21.645	240	2454620	20.000	ng/u1	-0.04
88) Perylene-d12	25.027	264	2570419	20.000	ng/u1	-0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	74999	6.931	ng/uL	0.00
4) Pyridine-d5	3.710	84	1071503	34.316	ng/u1	0.00
7) Phenol-d5	6.969	99	1539048	38.681	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.122	67	834019	39.601	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	1242834	39.778	ng/u1	0.00
15) 4-Methylphenol-d8	8.498	113	1230279	37.852	ng/u1	0.00
21) Nitrobenzene-d5	8.934	128	623836	42.138	ng/u1	0.00
24) 2-Nitrophenol-d4	9.645	143	668139	41.825	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.192	165	1189030	40.574	ng/u1	0.00
31) 4-Chloroaniline-d4	10.692	131	1637539	37.364	ng/u1	0.00
46) Dimethylphthalate-d6	13.810	166	3745662	41.687	ng/u1	0.00
49) Acenaphthylene-d8	14.098	160	4334332	42.770	ng/u1	0.00
54) 4-Nitrophenol-d4	14.622	143	719548	40.324	ng/u1	-0.02
60) Fluorene-d10	15.410	176	3296603	43.568	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.527	200	529025	35.486	ng/u1	-0.01
73) Anthracene-d10	17.304	188	5090398	42.903	ng/u1	-0.01
81) Pyrene-d10	19.662	212	6156650	46.811	ng/u1	-0.03
92) Benzo(a)pyrene-d12	24.792	264	6318036	47.110	ng/u1	-0.06
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.210	93	2791851	89.770	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.587	70	766914	32.778	ng/u1	99
19) Hexachloroethane	8.863	117	896334	70.422	ng/u1	96
22) Nitrobenzene	8.975	77	2588301	80.561	ng/u1	100
23) Isophorone	9.498	82	10646385	164.117	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.981	93	7135062	176.576	ng/u1	98
30) Naphthalene	10.616	128	12873711	129.973	ng/u1	98
33) Hexachlorobutadiene	10.904	225	3068911	170.578	ng/u1	99
36) 2-Methylnaphthalene	12.222	142	5000517	71.802	ng/u1	100
40) Hexachlorocyclopentadiene	12.575	237	2062626	102.786	ng/u1	99
44) 2-Chloronaphthalene	13.275	162	7429097	106.629	ng/u1	98
47) Dimethylphthalate	13.863	163	4894630	54.750	ng/u1	100
48) 2,6-Dinitrotoluene	13.975	165	400447	22.920	ng/u1	100
50) Acenaphthylene	14.127	152	5108853	47.339	ng/u1	100
59) Diethylphthalate	15.239	149	5575641	62.249	ng/u1	98
61) Fluorene	15.469	166	3968492	45.119	ng/u1	98
62) 4-Chlorophenyl-phenyle...	15.463	204	7979091	183.258	ng/u1	98
68) 4-Bromophenyl-phenylether	16.374	248	2936216	107.699	ng/u1	98
69) Hexachlorobenzene	16.492	284	3178770	96.230	ng/u1	99
72) Phenanthrene	17.239	178	6297740	46.149	ng/u1	99
74) Anthracene	17.339	178	7401786	53.784	ng/u1	99
78) Di-n-butylphthalate	18.210	149	10917771	73.163	ng/u1	99
87) Chrysene	21.692	228	7113676	47.830	ng/u1	98
89) Di-n-octyl phthalate	22.868	149	5602468	36.360	ng/u1	100

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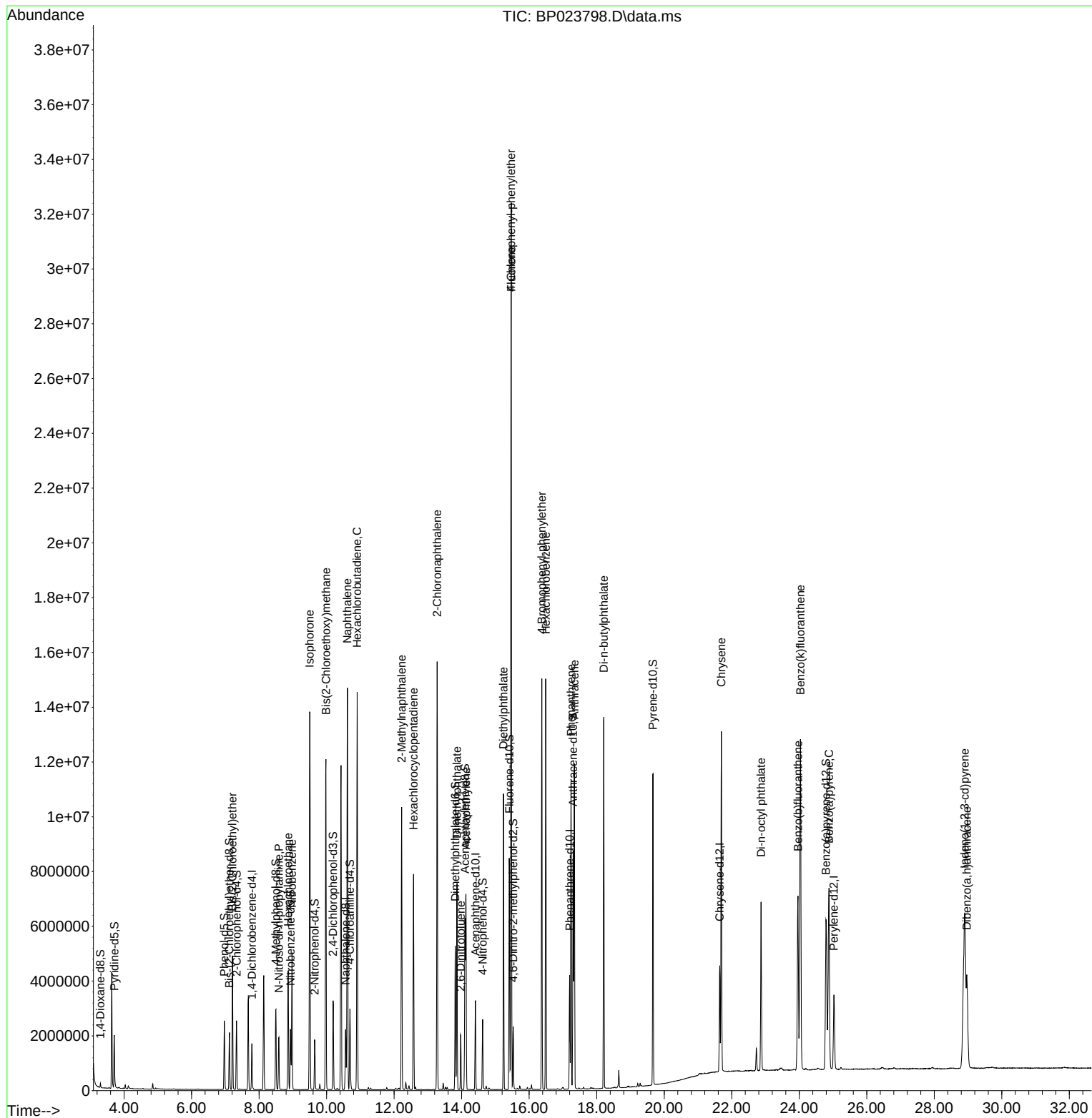
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	23.962	252	6184590	39.653	ng/ul	99
91) Benzo(k)fluoranthene	24.033	252	11720211	74.958	ng/ul	99
93) Benzo(a)pyrene	24.880	252	6977048	47.902	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.903	276	11783321	62.413	ng/ul	99
95) Dibenzo(a,h)anthracene	28.962	278	4985686	32.554	ng/ul	99

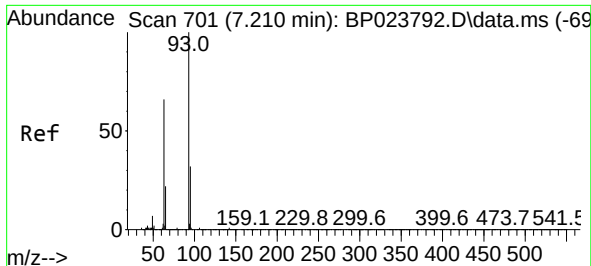
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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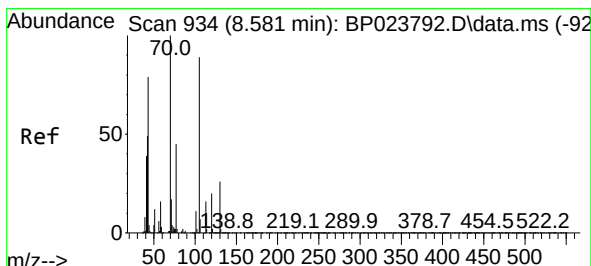
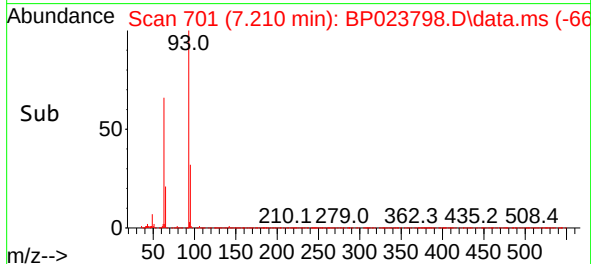
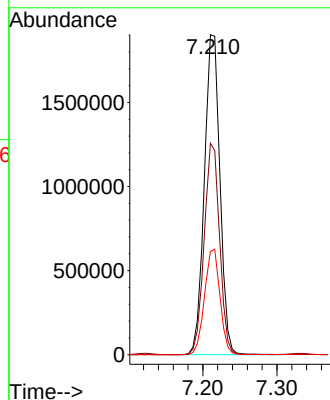
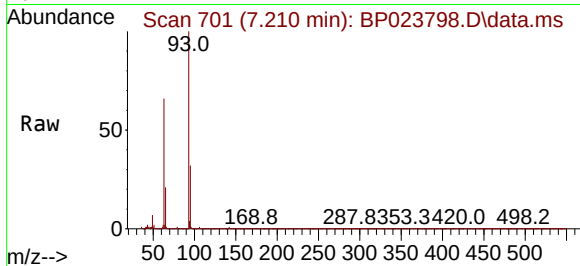


#10
 Bis(2-Chloroethyl)ether
 Concen: 89.770 ng/ul
 RT: 7.210 min Scan# 701
 Delta R.T. -0.000 min
 Lab File: BP023798.D
 Acq: 30 Jan 2025 14:37

Instrument :
 BNA_P
 ClientSampleId :
 A44X7

Tgt Ion: 93 Resp: 2791851

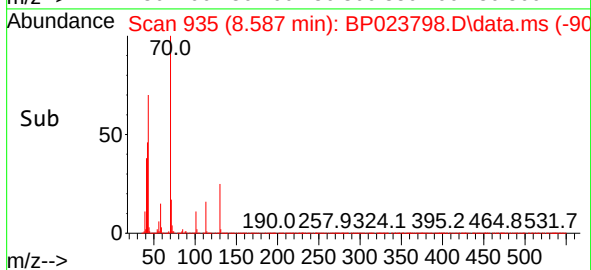
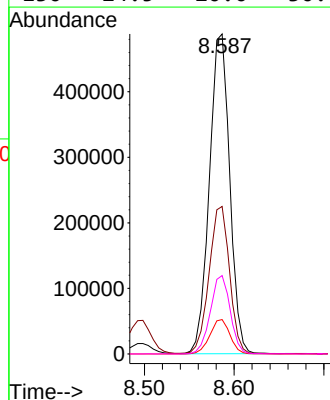
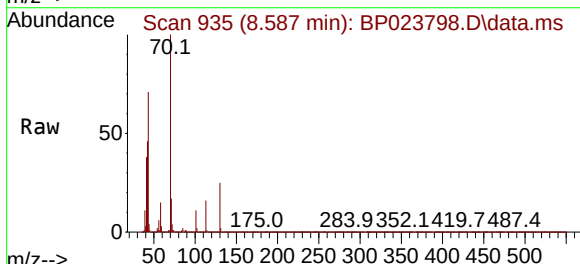
Ion	Ratio	Lower	Upper
93	100		
63	66.0	52.6	79.0
95	32.2	25.8	38.8

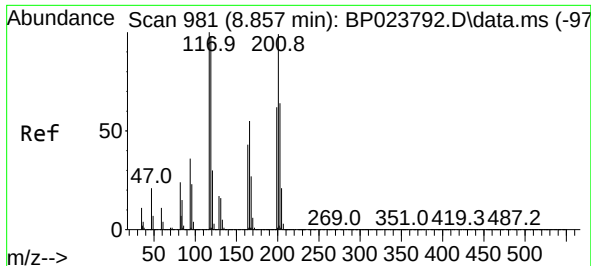


#17
 N-Nitroso-di-n-propylamine
 Concen: 32.778 ng/ul
 RT: 8.587 min Scan# 935
 Delta R.T. -0.000 min
 Lab File: BP023798.D
 Acq: 30 Jan 2025 14:37

Tgt Ion: 70 Resp: 766914

Ion	Ratio	Lower	Upper
70	100		
42	46.1	36.2	54.4
101	10.8	8.6	13.0
130	24.5	20.0	30.0

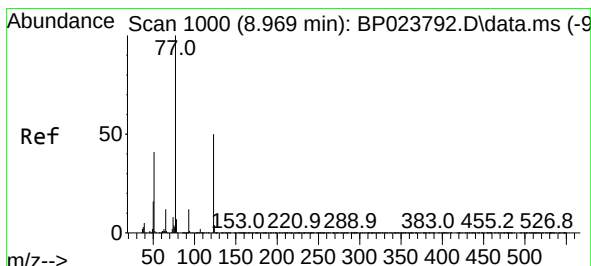
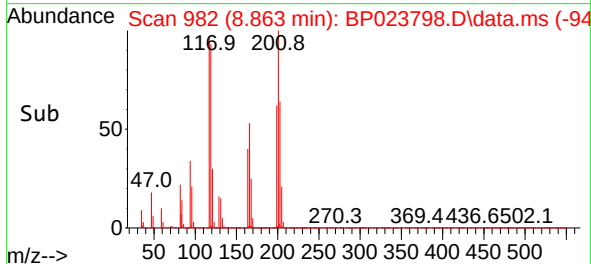
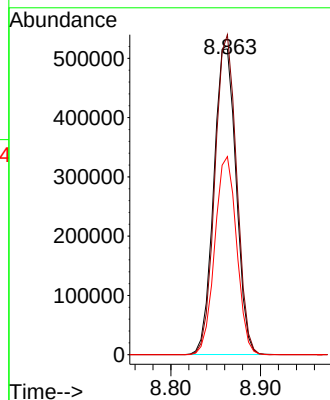
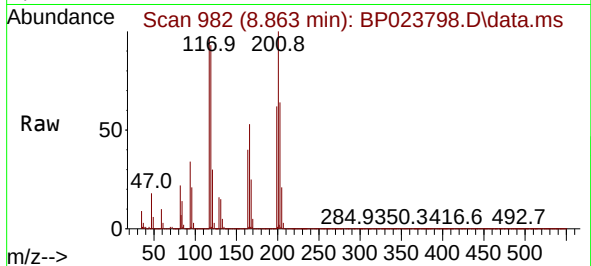




#19
Hexachloroethane
Concen: 70.422 ng/ul
RT: 8.863 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

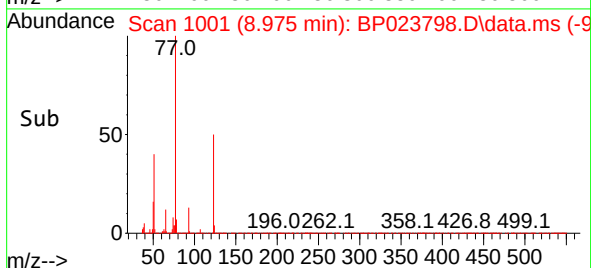
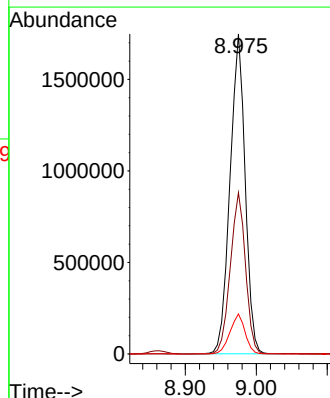
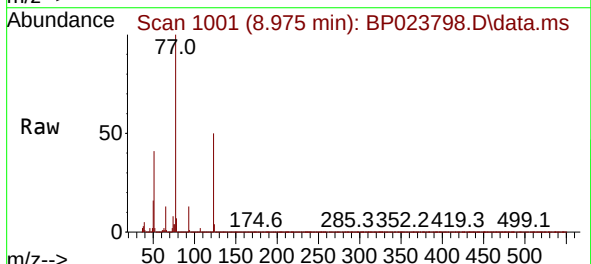
Instrument :
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ClientSampleId :
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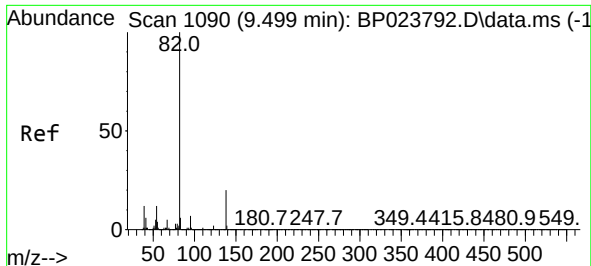
Tgt Ion:117 Resp: 896334
Ion Ratio Lower Upper
117 100
201 104.7 79.4 119.2
199 64.8 50.0 75.0



#22
Nitrobenzene
Concen: 80.561 ng/ul
RT: 8.975 min Scan# 1001
Delta R.T. -0.000 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion: 77 Resp: 2588301
Ion Ratio Lower Upper
77 100
123 50.4 40.3 60.5
65 12.5 9.8 14.8

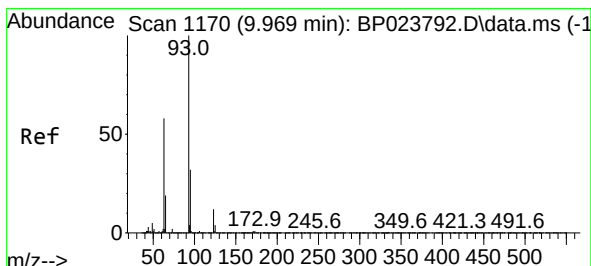
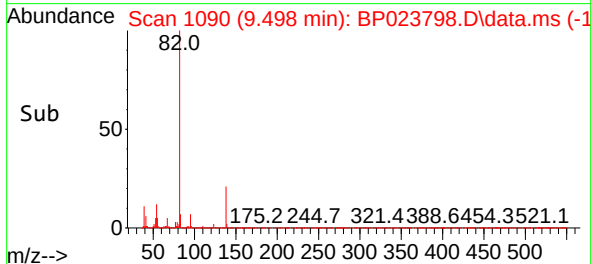
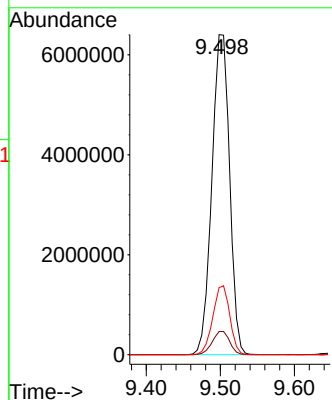
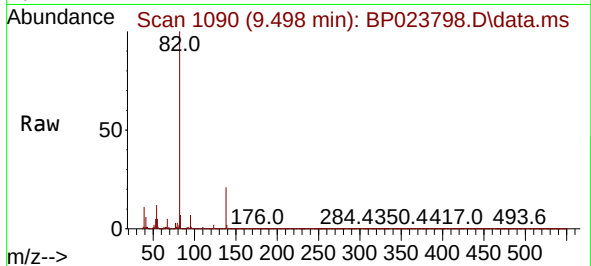




#23
Isophorone
Concen: 164.117 ng/ul
RT: 9.498 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

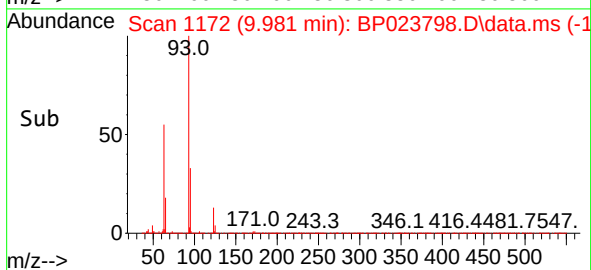
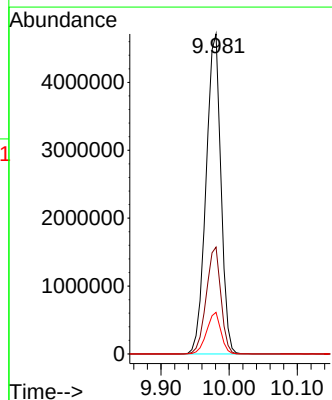
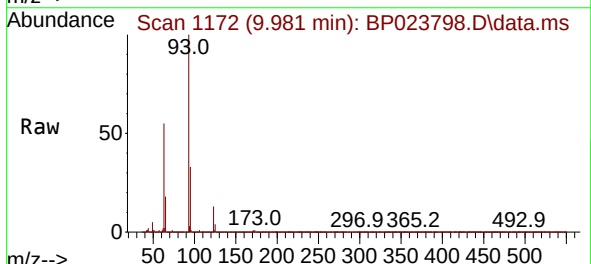
Instrument :
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ClientSampleId :
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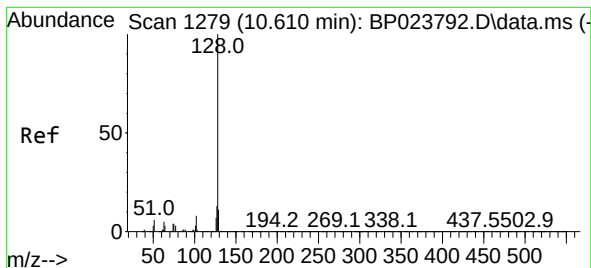
Tgt Ion: 82 Resp:10646385
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 21.0 15.8 23.6



#27
Bis(2-Chloroethoxy)methane
Concen: 176.576 ng/ul
RT: 9.981 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion: 93 Resp: 7135062
Ion Ratio Lower Upper
93 100
95 33.4 25.8 38.6
123 13.0 9.7 14.5

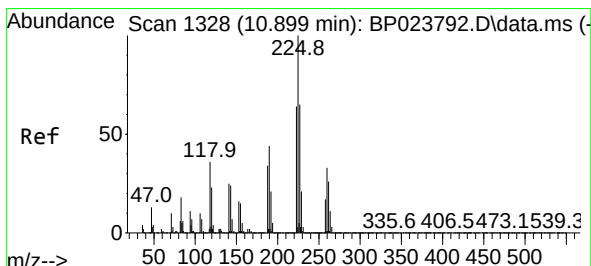
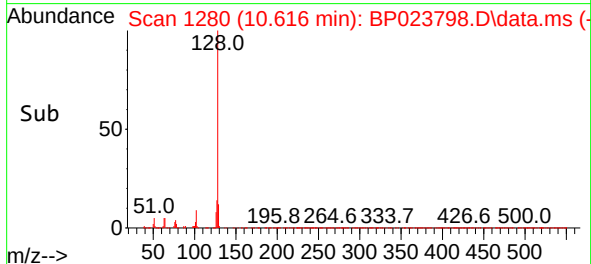
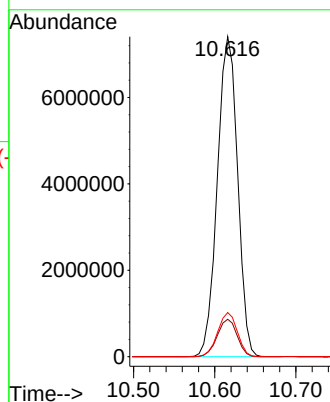
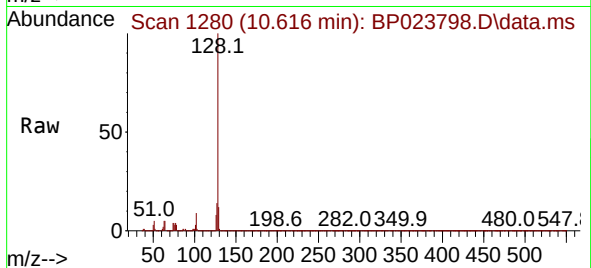




#30
Naphthalene
Concen: 129.973 ng/ul
RT: 10.616 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

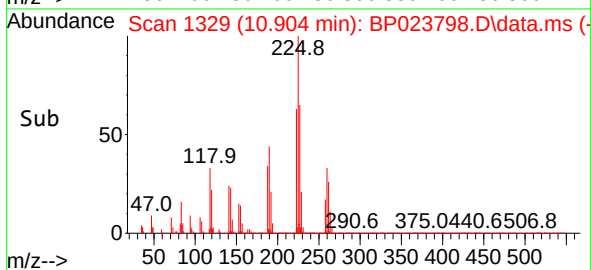
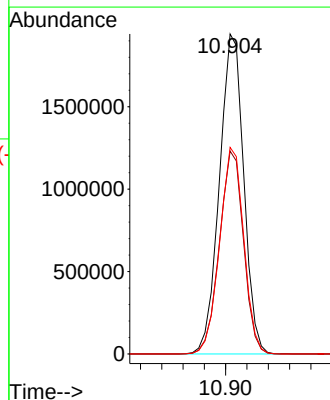
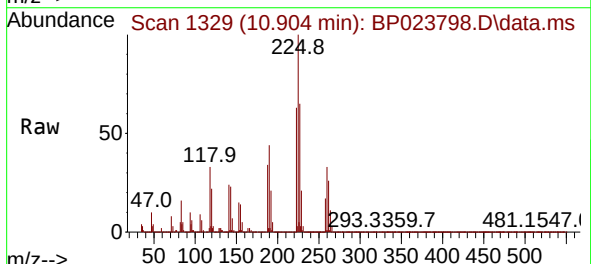
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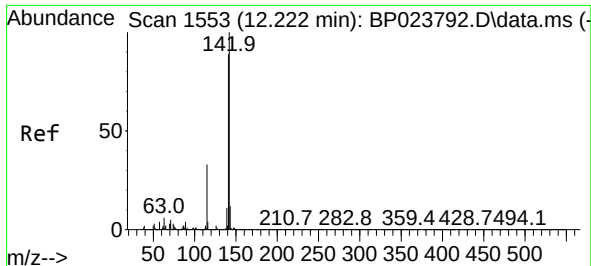
Tgt Ion:128 Resp:12873711
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.8 10.5 15.7



#33
Hexachlorobutadiene
Concen: 170.578 ng/ul
RT: 10.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:225 Resp: 3068911
Ion Ratio Lower Upper
225 100
223 63.4 49.7 74.5
227 64.5 51.4 77.0

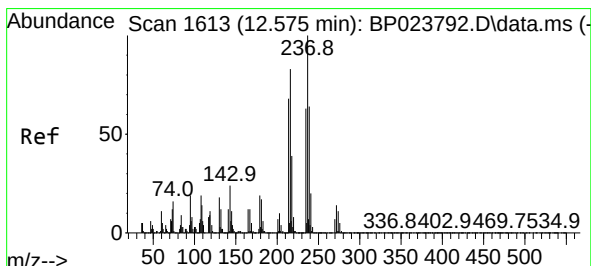
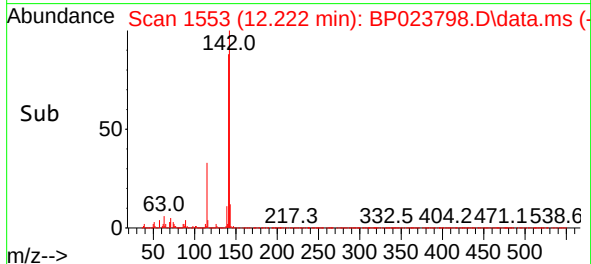
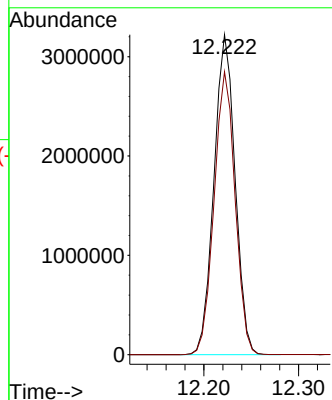
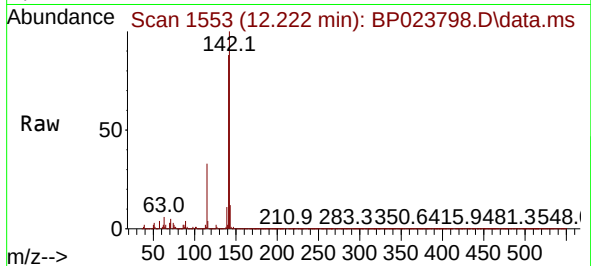




#36
2-Methylnaphthalene
Concen: 71.802 ng/ul
RT: 12.222 min Scan# 1553
Delta R.T. -0.000 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

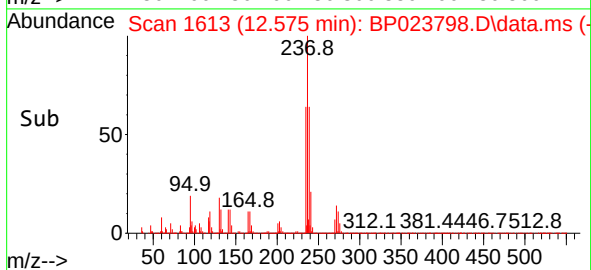
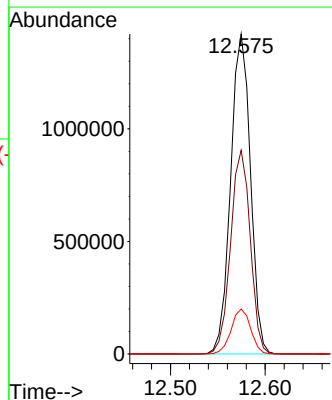
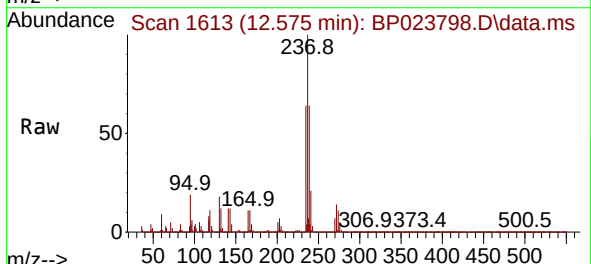
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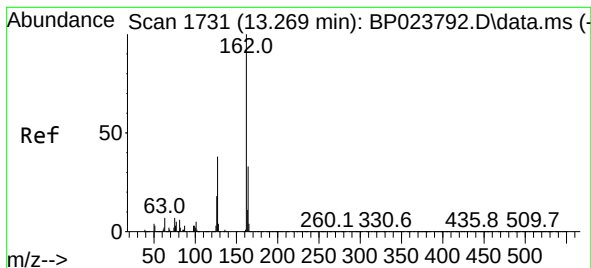
Tgt Ion:142 Resp: 5000517
Ion Ratio Lower Upper
142 100
141 88.4 70.8 106.2



#40
Hexachlorocyclopentadiene
Concen: 102.786 ng/ul
RT: 12.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:237 Resp: 2062626
Ion Ratio Lower Upper
237 100
235 63.7 50.2 75.4
272 14.0 11.7 17.5





#44

2-Chloronaphthalene

Concen: 106.629 ng/ul

RT: 13.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP023798.D

Acq: 30 Jan 2025 14:37

Instrument :

BNA_P

ClientSampleId :

A44X7

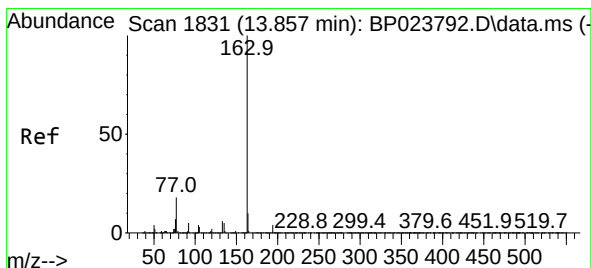
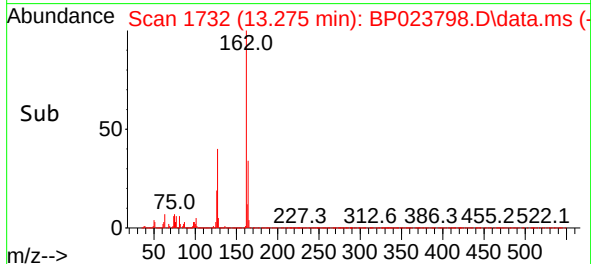
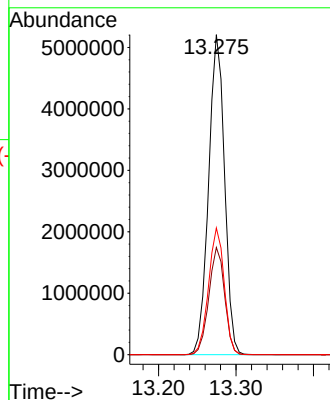
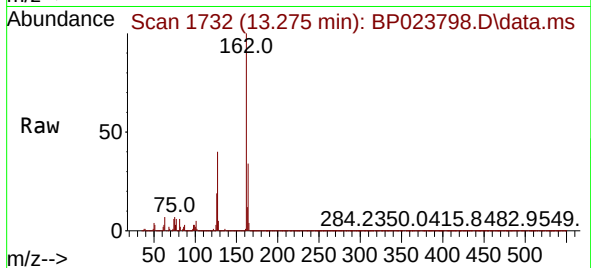
Tgt Ion:162 Resp: 7429097

Ion Ratio Lower Upper

162 100

164 33.5 26.3 39.5

127 39.6 30.5 45.7



#47

Dimethylphthalate

Concen: 54.750 ng/ul

RT: 13.863 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BP023798.D

Acq: 30 Jan 2025 14:37

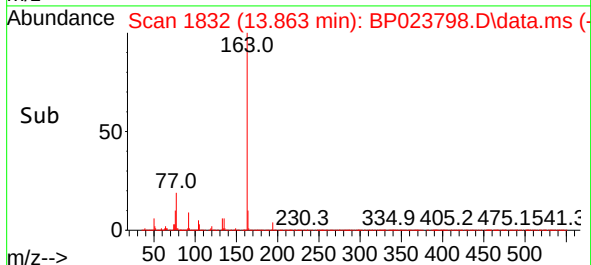
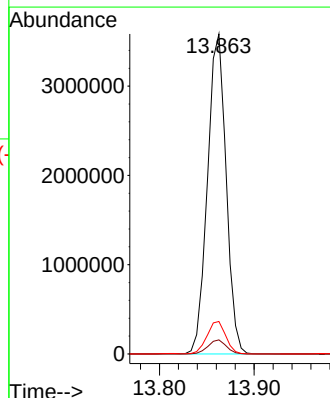
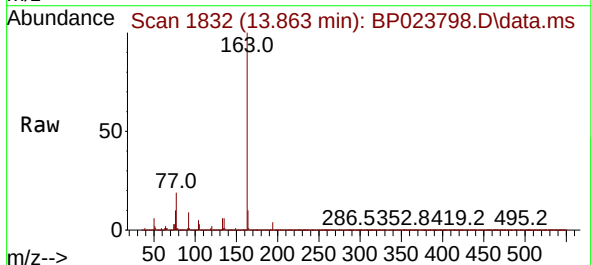
Tgt Ion:163 Resp: 4894630

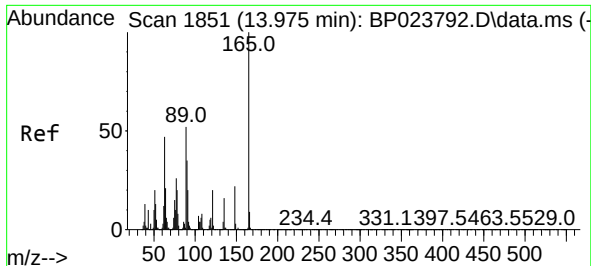
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.2 8.1 12.1

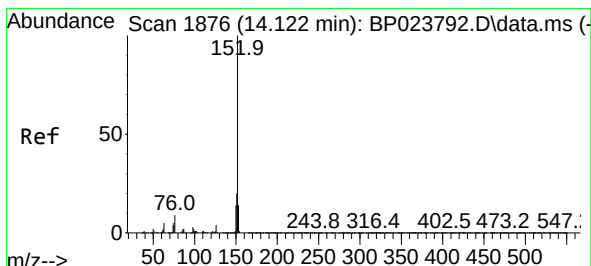
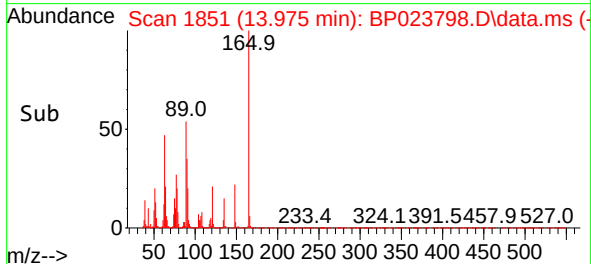
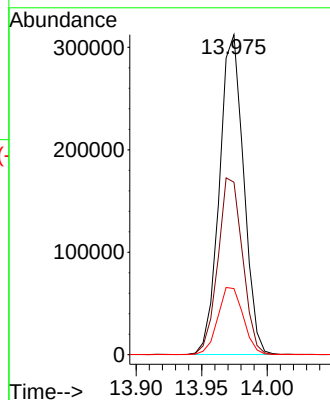
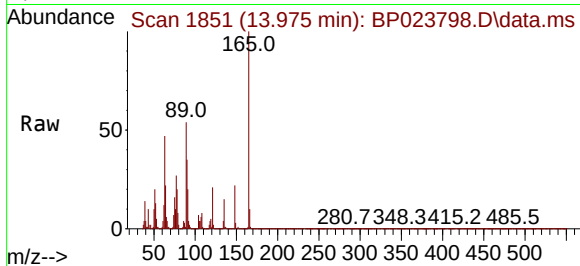




#48
2,6-Dinitrotoluene
Concen: 22.920 ng/ul
RT: 13.975 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

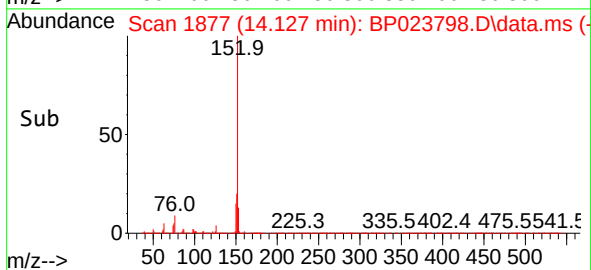
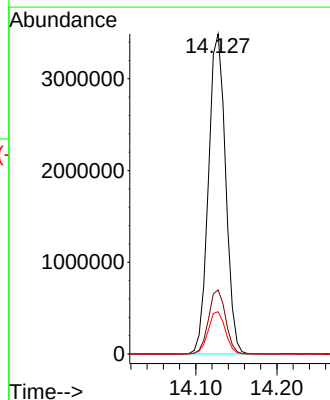
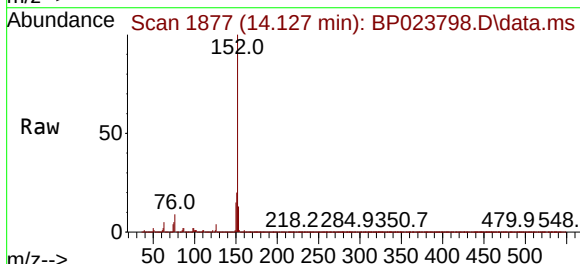
Instrument :
BNA_P
ClientSampleId :
A44X7

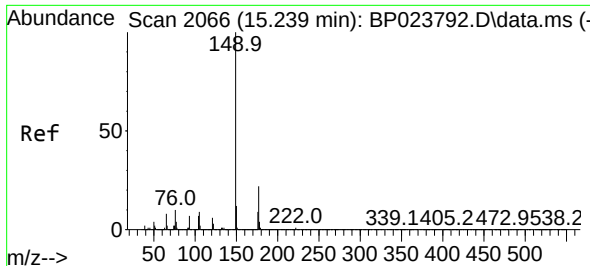
Tgt Ion:165 Resp: 400447
Ion Ratio Lower Upper
165 100
89 53.9 43.3 64.9
121 20.6 16.8 25.2



#50
Acenaphthylene
Concen: 47.339 ng/ul
RT: 14.127 min Scan# 1877
Delta R.T. -0.006 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:152 Resp: 5108853
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.2 10.4 15.6

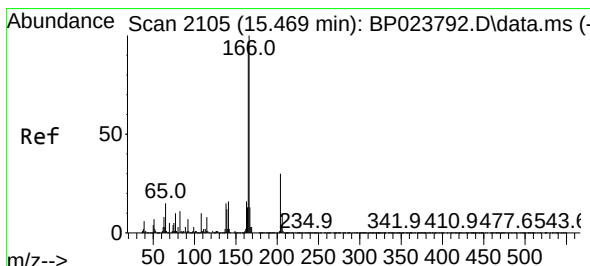
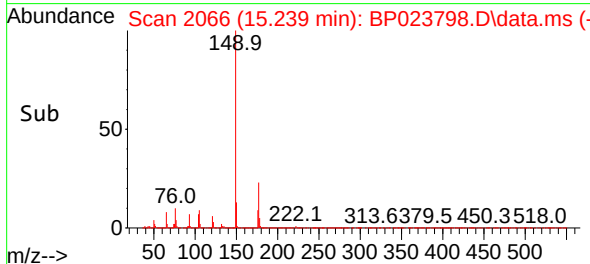
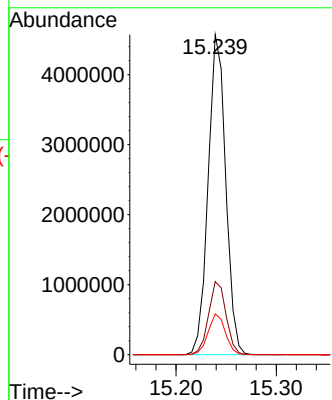
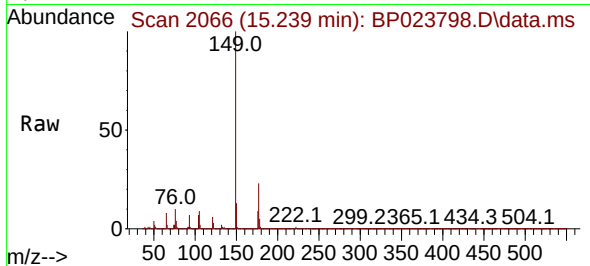




#59
Diethylphthalate
Concen: 62.249 ng/ul
RT: 15.239 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

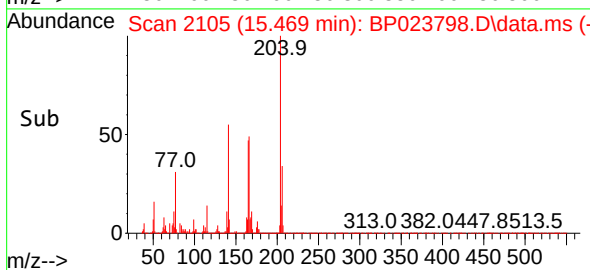
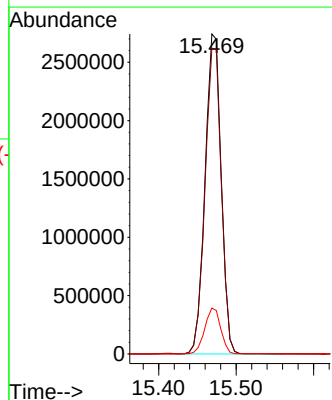
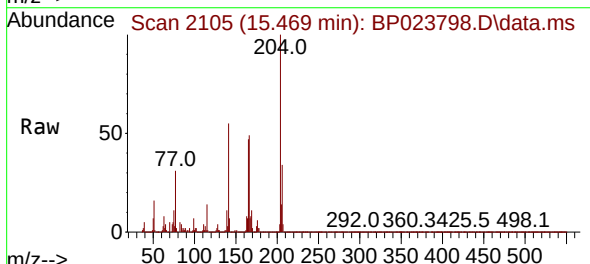
Instrument :
BNA_P
ClientSampleId :
A44X7

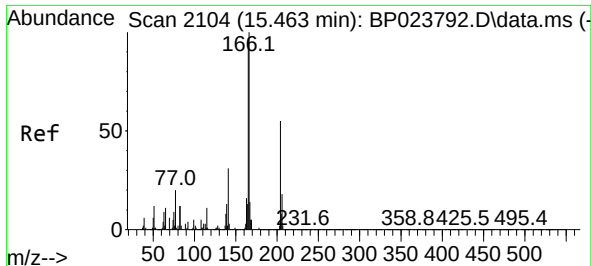
Tgt Ion:149 Resp: 5575641
Ion Ratio Lower Upper
149 100
177 22.9 17.4 26.0
150 12.8 9.9 14.9



#61
Fluorene
Concen: 45.119 ng/ul
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:166 Resp: 3968492
Ion Ratio Lower Upper
166 100
165 95.6 77.9 116.9
167 14.3 10.6 16.0

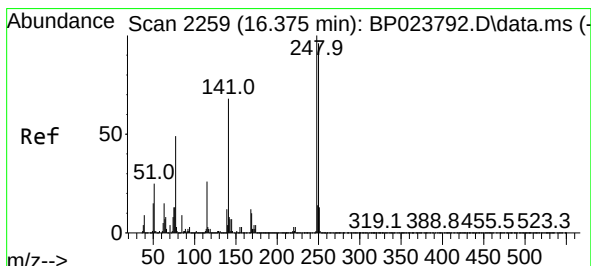
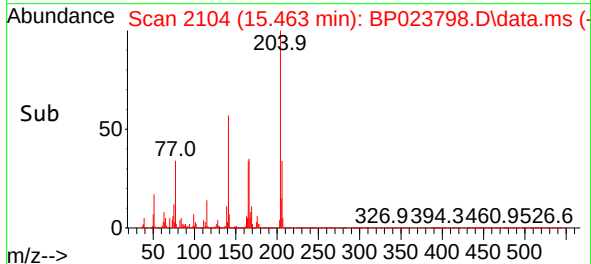
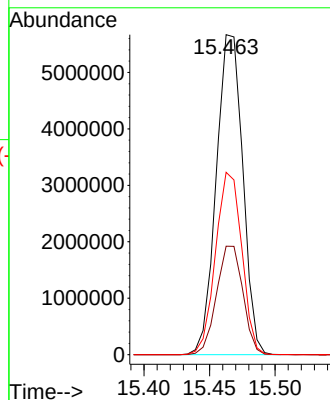
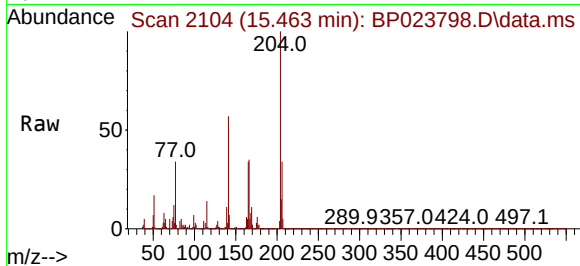




#62
4-Chlorophenyl-phenylether
Concen: 183.258 ng/ul
RT: 15.463 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

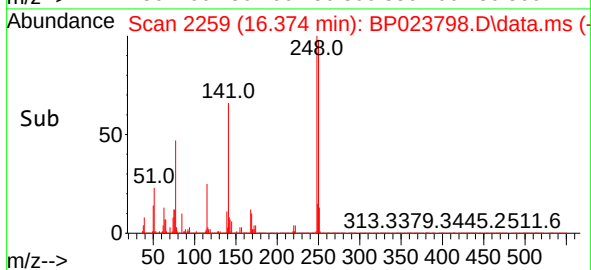
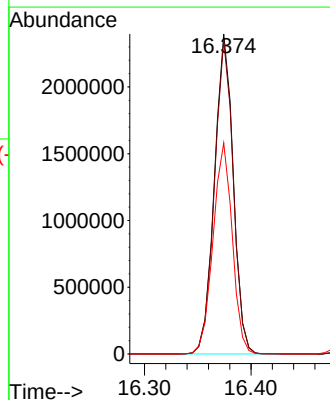
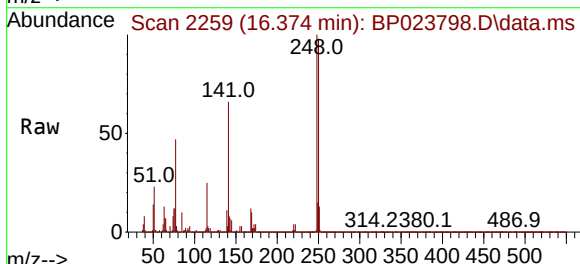
Instrument :
BNA_P
ClientSampleId :
A44X7

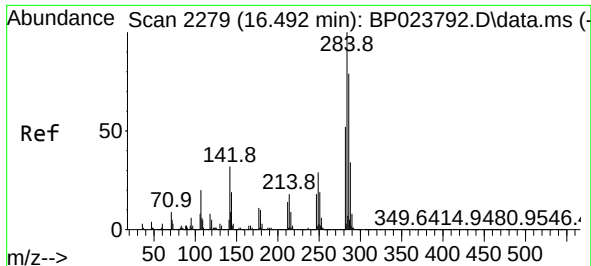
Tgt Ion:204 Resp: 7979091
Ion Ratio Lower Upper
204 100
206 33.9 26.5 39.7
141 57.0 44.5 66.7



#68
4-Bromophenyl-phenylether
Concen: 107.699 ng/ul
RT: 16.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:248 Resp: 2936216
Ion Ratio Lower Upper
248 100
250 98.1 78.8 118.2
141 65.9 55.6 83.4

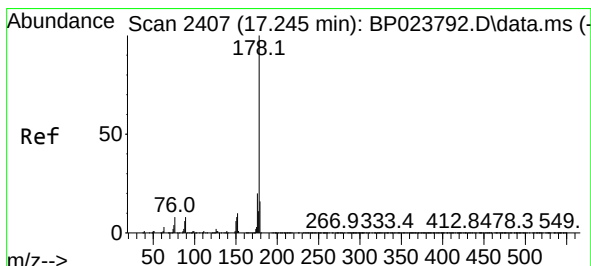
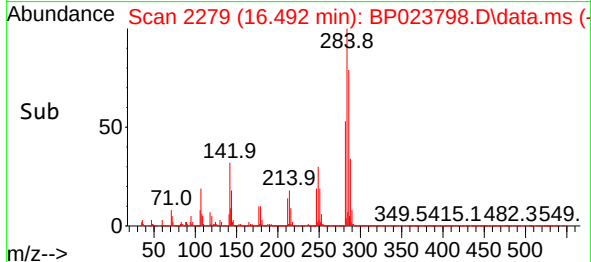
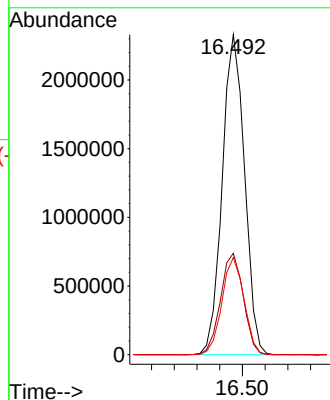
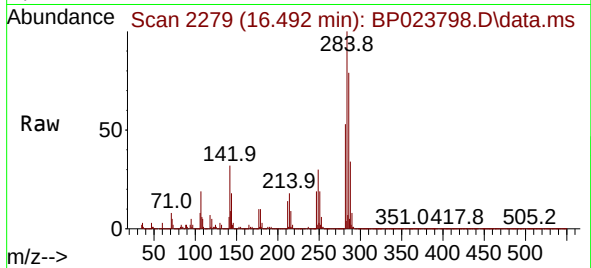




#69
Hexachlorobenzene
Concen: 96.230 ng/ul
RT: 16.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

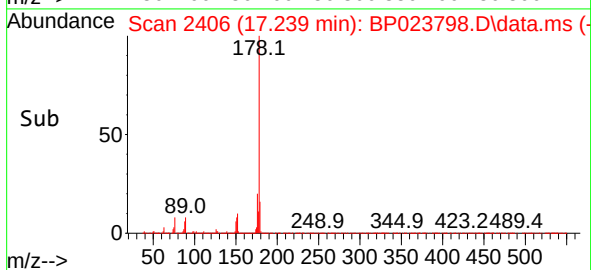
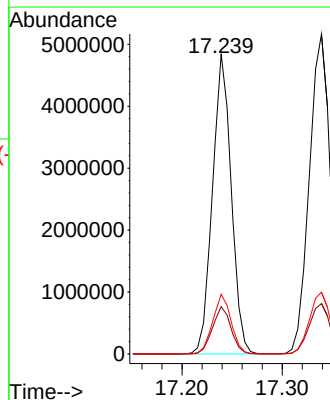
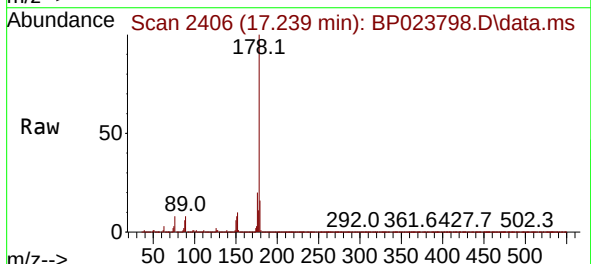
Instrument :
BNA_P
ClientSampleId :
A44X7

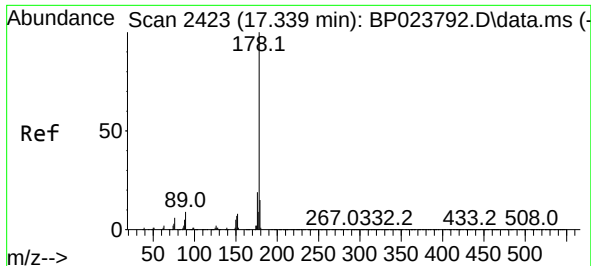
Tgt Ion:284 Resp: 3178770
Ion Ratio Lower Upper
284 100
142 31.7 25.9 38.9
249 30.4 24.0 36.0



#72
Phenanthrene
Concen: 46.149 ng/ul
RT: 17.239 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:178 Resp: 6297740
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.4
176 19.8 15.6 23.4

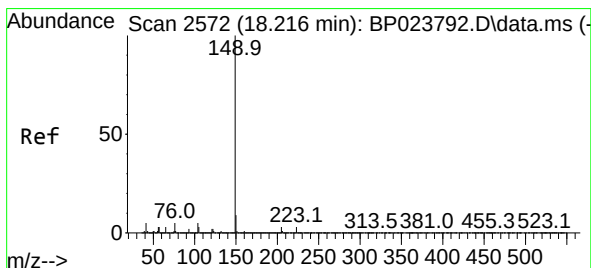
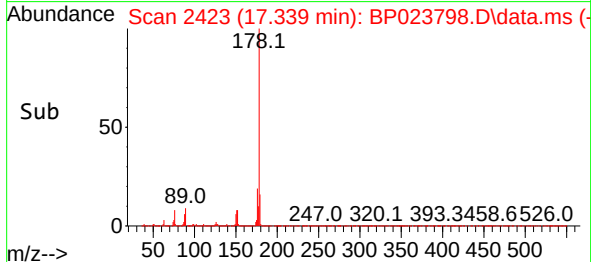
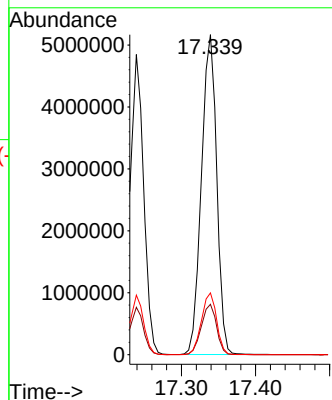
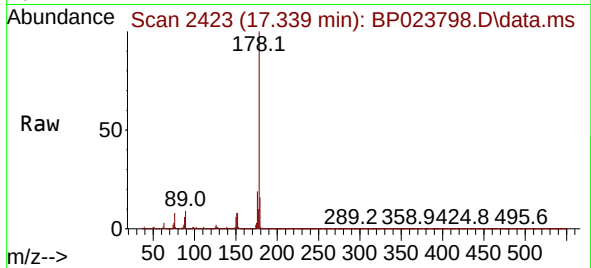




#74
 Anthracene
 Concen: 53.784 ng/ul
 RT: 17.339 min Scan# 2423
 Delta R.T. -0.006 min
 Lab File: BP023798.D
 Acq: 30 Jan 2025 14:37

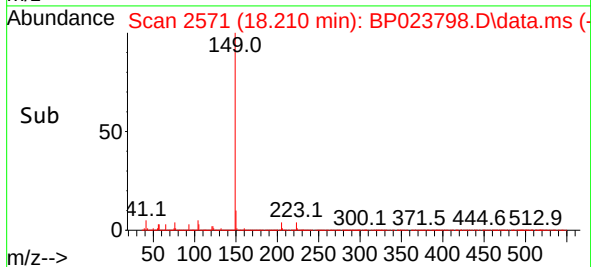
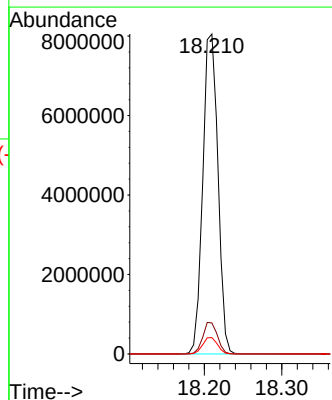
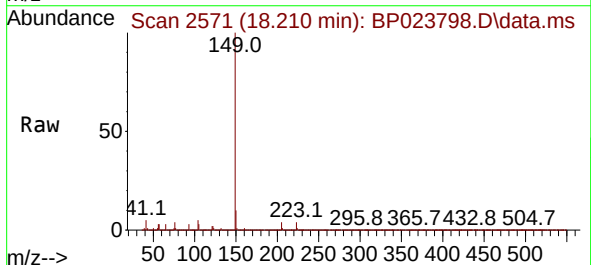
Instrument :
 BNA_P
 ClientSampleId :
 A44X7

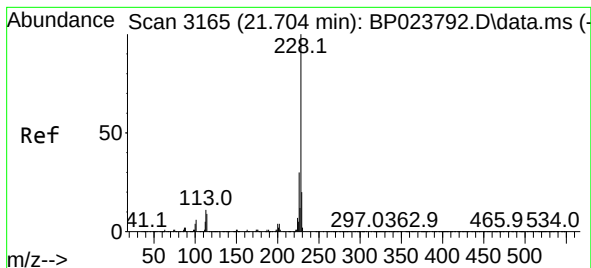
Tgt Ion:178 Resp: 7401786
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.4 18.6
 176 19.3 15.0 22.4



#78
 Di-n-butylphthalate
 Concen: 73.163 ng/ul
 RT: 18.210 min Scan# 2571
 Delta R.T. -0.018 min
 Lab File: BP023798.D
 Acq: 30 Jan 2025 14:37

Tgt Ion:149 Resp:10917771
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.4 11.2
 104 5.1 4.0 6.0





#87

Chrysene

Concen: 47.830 ng/ul

RT: 21.692 min Scan# 3163

Delta R.T. -0.036 min

Lab File: BP023798.D

Acq: 30 Jan 2025 14:37

Instrument :

BNA_P

ClientSampleId :

A44X7

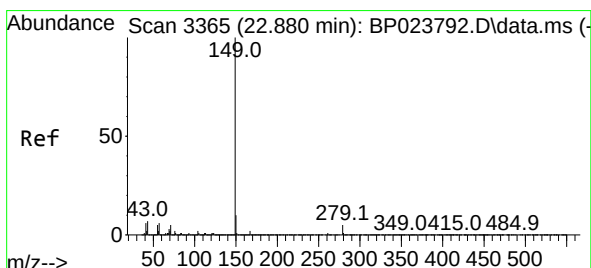
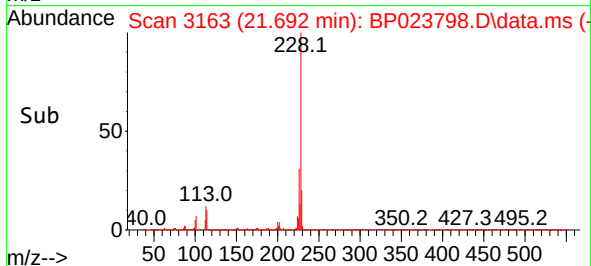
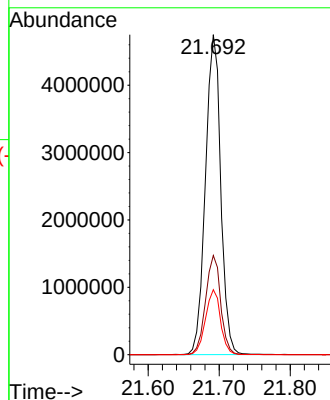
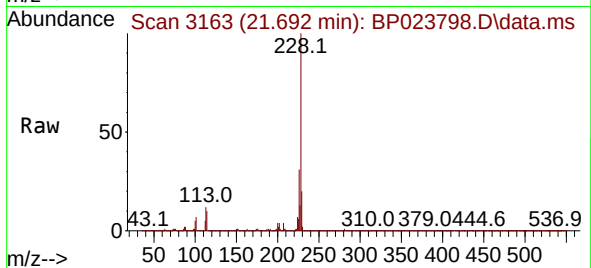
Tgt Ion:228 Resp: 7113676

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

229 20.3 15.7 23.5



#89

Di-n-octyl phthalate

Concen: 36.360 ng/ul

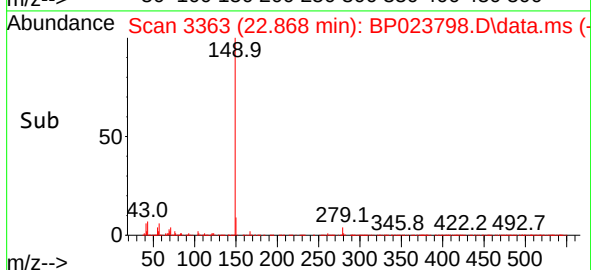
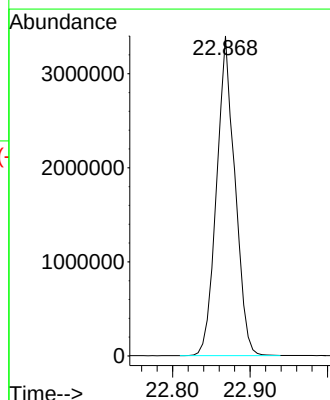
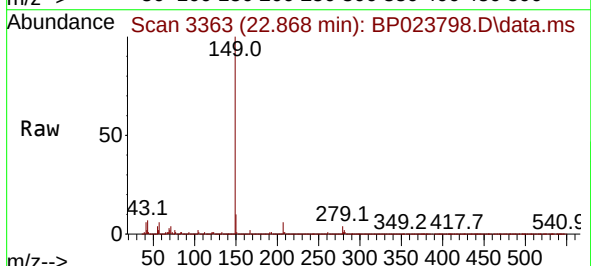
RT: 22.868 min Scan# 3363

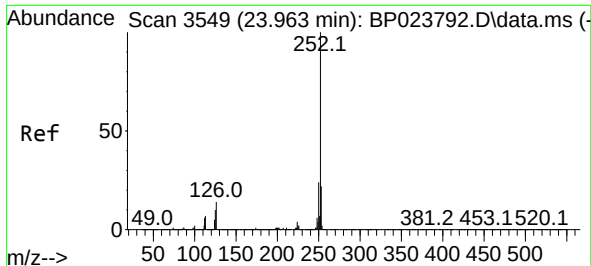
Delta R.T. -0.053 min

Lab File: BP023798.D

Acq: 30 Jan 2025 14:37

Tgt Ion:149 Resp: 5602468

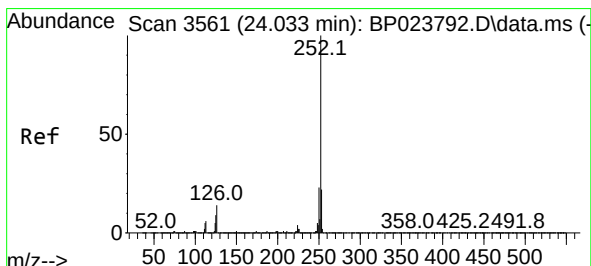
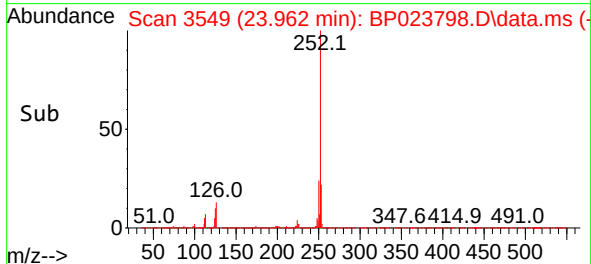
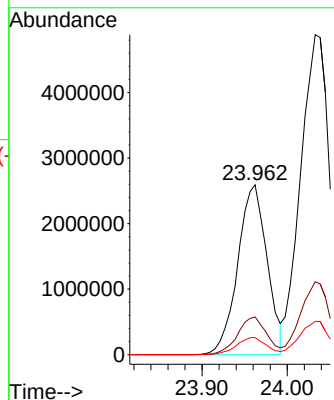
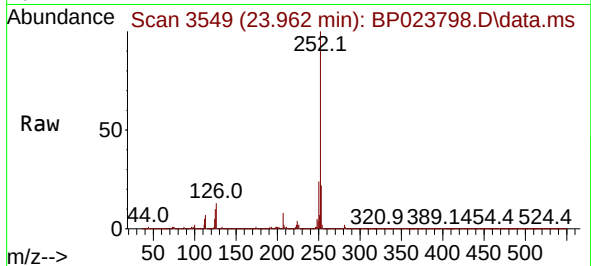




#90
Benzo(b)fluoranthene
Concen: 39.653 ng/ul
RT: 23.962 min Scan# 3549
Delta R.T. -0.047 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

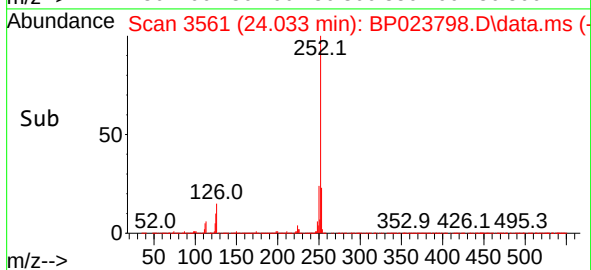
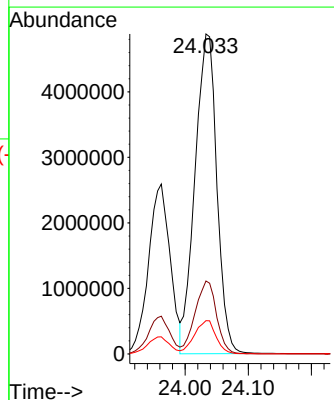
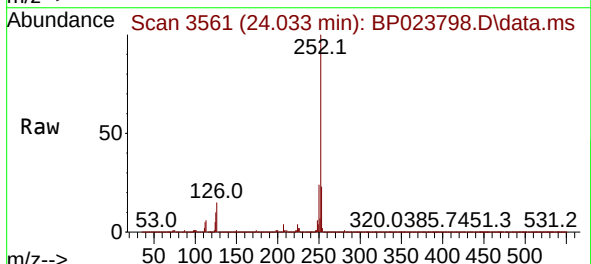
Instrument :
BNA_P
ClientSampleId :
A44X7

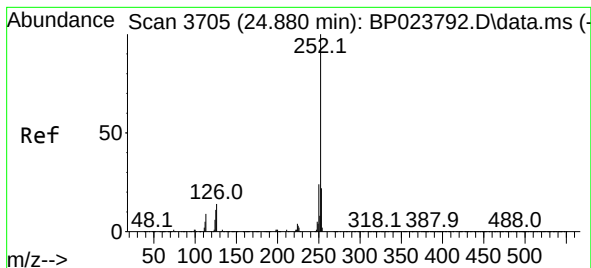
Tgt Ion:252 Resp: 6184590
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.1 8.2 12.2



#91
Benzo(k)fluoranthene
Concen: 74.958 ng/ul
RT: 24.033 min Scan# 3561
Delta R.T. -0.042 min
Lab File: BP023798.D
Acq: 30 Jan 2025 14:37

Tgt Ion:252 Resp:11720211
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.4 8.5 12.7





#93

Benzo(a)pyrene

Concen: 47.902 ng/ul

RT: 24.880 min Scan# 31

Delta R.T. -0.036 min

Lab File: BP023798.D

Acq: 30 Jan 2025 14:37

Instrument :

BNA_P

ClientSampleId :

A44X7

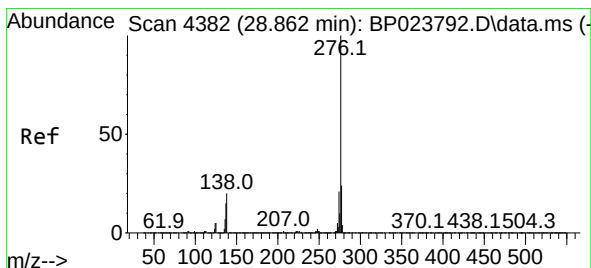
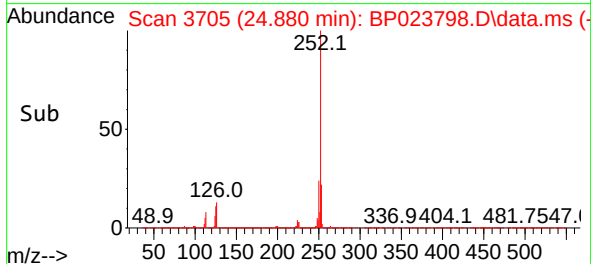
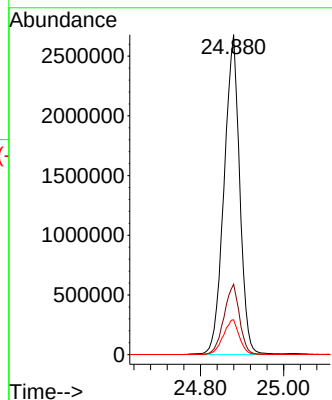
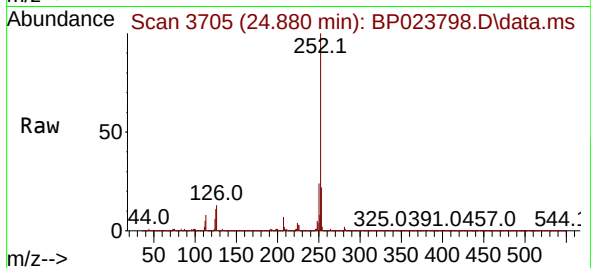
Tgt Ion:252 Resp: 6977048

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 10.9 9.2 13.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 62.413 ng/ul

RT: 28.903 min Scan# 4389

Delta R.T. -0.059 min

Lab File: BP023798.D

Acq: 30 Jan 2025 14:37

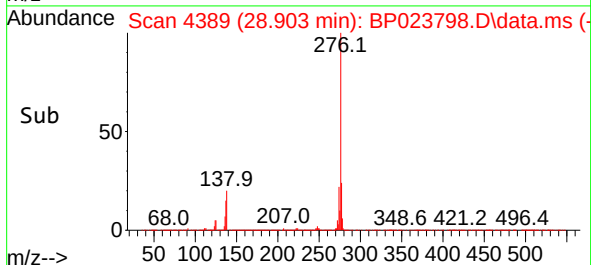
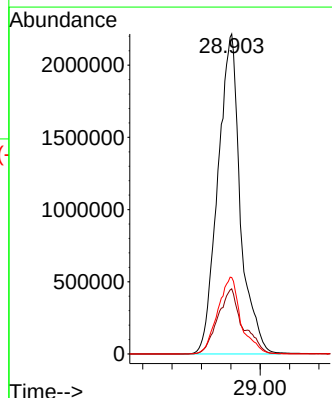
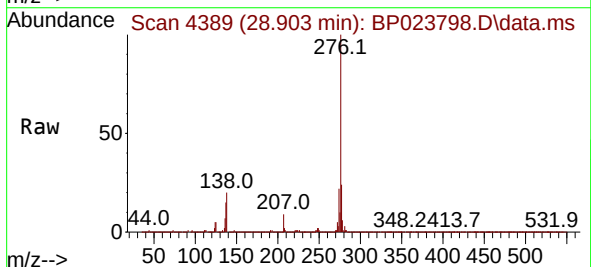
Tgt Ion:276 Resp:11783321

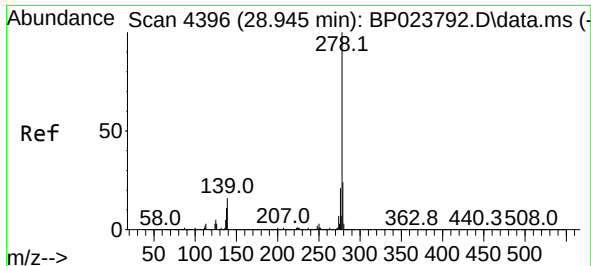
Ion Ratio Lower Upper

276 100

138 20.3 15.9 23.9

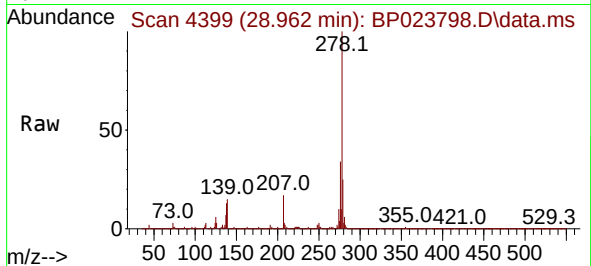
277 23.9 19.0 28.4





#95
 Dibenzo(a,h)anthracene
 Concen: 32.554 ng/ul
 RT: 28.962 min Scan# 41
 Delta R.T. -0.077 min
 Lab File: BP023798.D
 Acq: 30 Jan 2025 14:37

Instrument :
 BNA_P
 ClientSampleId :
 A44X7



Tgt Ion:278 Resp: 4985686

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.7	19.1
279	24.5	19.0	28.6

