

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141307.D
 Acq On : 30 Jan 2025 12:21
 Operator : RC/JU
 Sample : Q1168-08
 Misc : LOQ-WATER 10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Jan 30 12:47:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

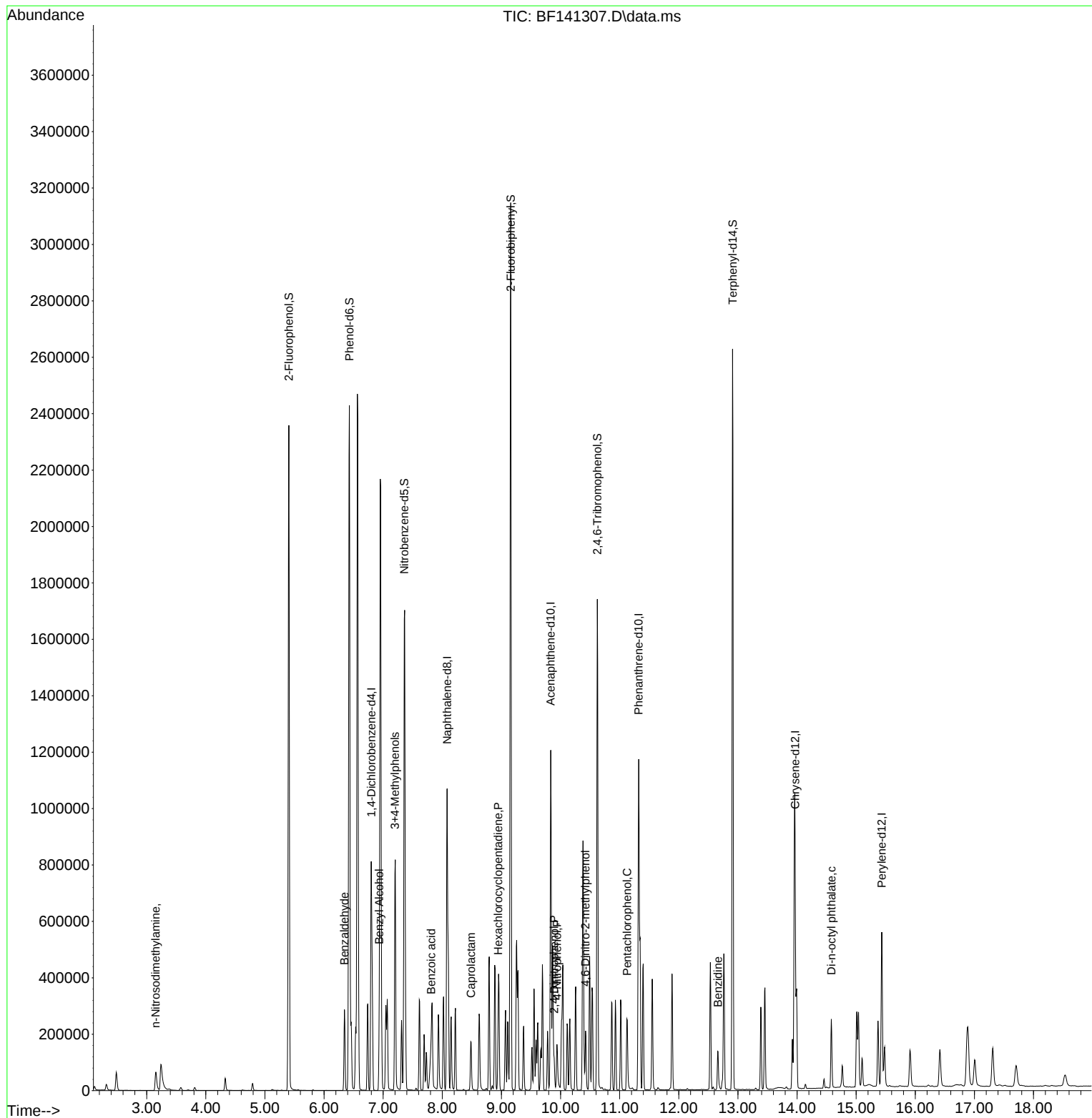
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	152981	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	632181	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	346606	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	588552	20.000	ng	0.00
76) Chrysene-d12	13.969	240	328396	20.000	ng	0.00
86) Perylene-d12	15.433	264	313121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	880490	88.359	ng	0.00
7) Phenol-d6	6.428	99	1135729	89.593	ng	-0.01
23) Nitrobenzene-d5	7.357	82	760263	63.397	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	274268	86.314	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1362179	60.491	ng	0.00
79) Terphenyl-d14	12.910	244	1277077	59.973	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.152	42	49517	8.209	ng	96
9) Benzaldehyde	6.345	77	75968	10.346	ng	99
15) Benzyl Alcohol	6.934	79	77823	8.983	ng	97
20) 3+4-Methylphenols	7.198	107	90546	8.495	ng	# 86
32) Benzoic acid	7.810	122	75047	10.943	ng	98
35) Caprolactam	8.487	113	23055	7.730	ng	96
41) Hexachlorocyclopentadiene	8.945	237	30414	10.444	ng	99
54) 2,4-Dinitrophenol	9.892	184	22372	8.854	ng	98
56) 4-Nitrophenol	9.939	139	40093	10.291	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	38678	11.110	ng	96
70) Pentachlorophenol	11.128	266	46715	11.414	ng	97
77) Benzidine	12.663	184	82653	7.851	ng	99
85) Di-n-octyl phthalate	14.580	149	157466	7.257	ng	99

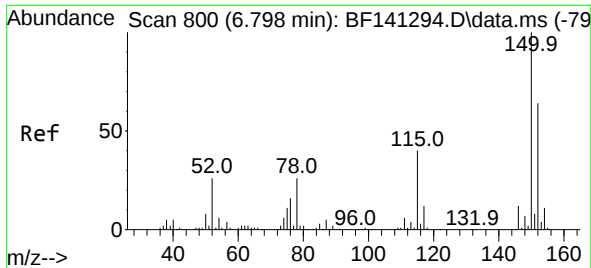
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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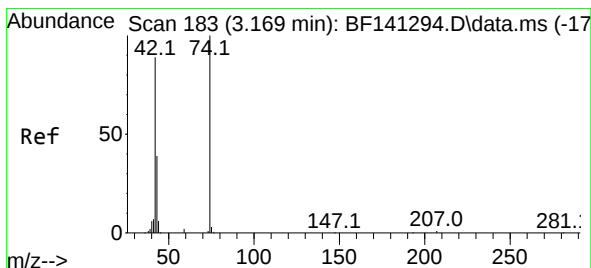
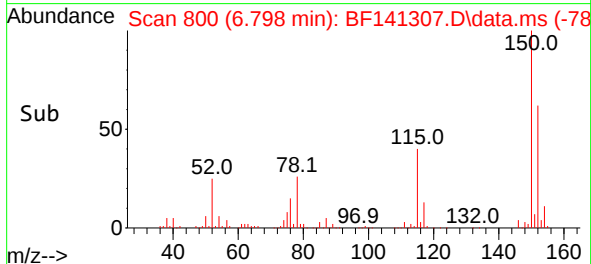
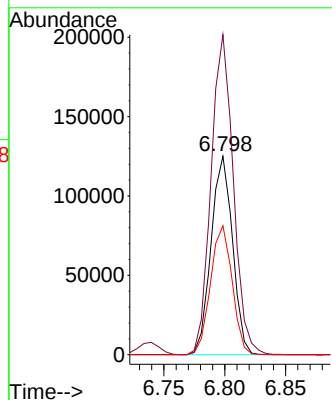
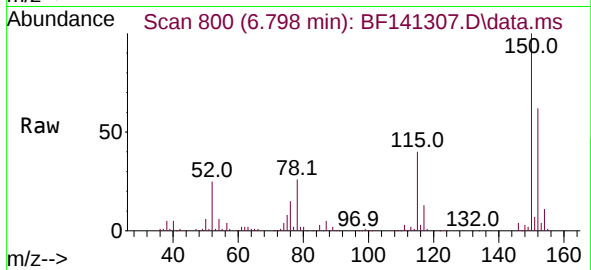




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

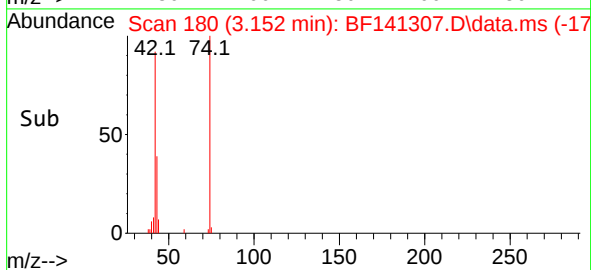
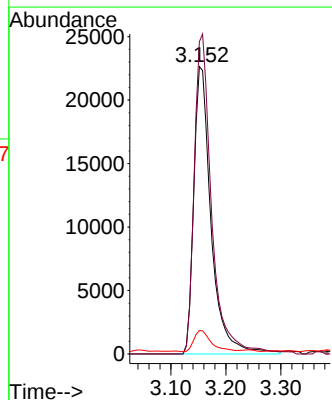
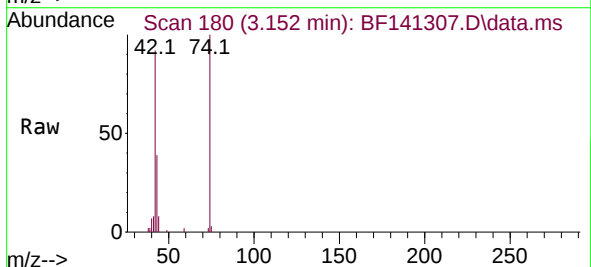
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT1-2025

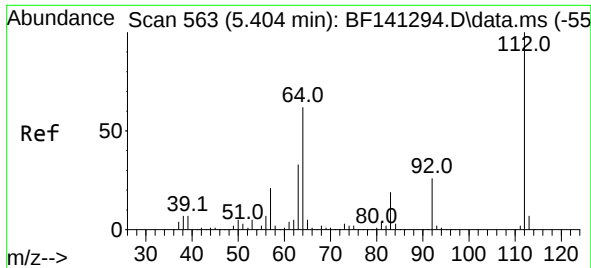
Tgt Ion:152 Resp: 152981
Ion Ratio Lower Upper
152 100
150 161.3 125.9 188.9
115 65.0 49.7 74.5



#4
n-Nitrosodimethylamine
Concen: 8.209 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.047 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion: 42 Resp: 49517
Ion Ratio Lower Upper
42 100
74 108.7 90.3 135.5
44 8.2 5.7 8.5

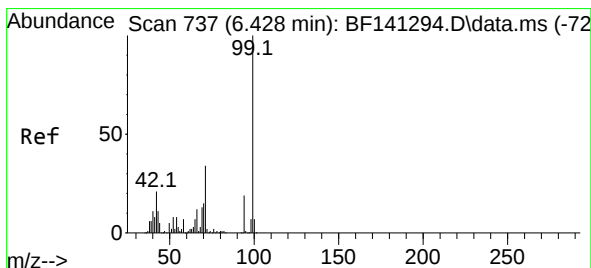
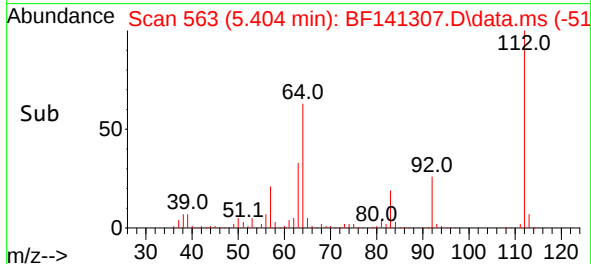
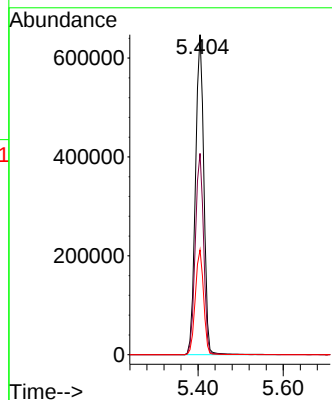
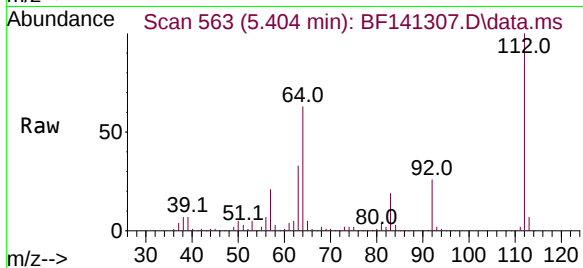




#5
2-Fluorophenol
Concen: 88.359 ng
RT: 5.404 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

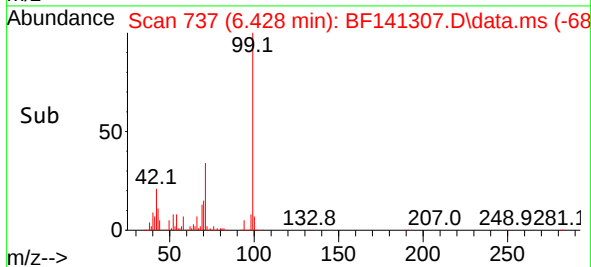
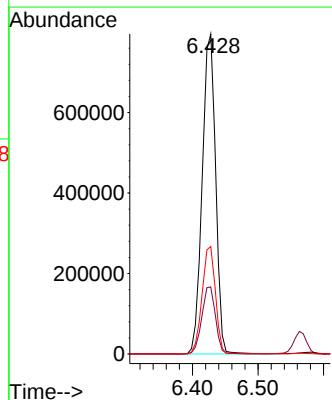
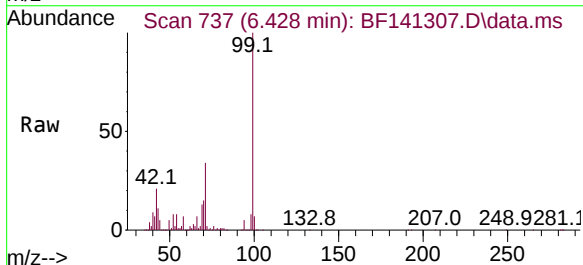
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT1-2025

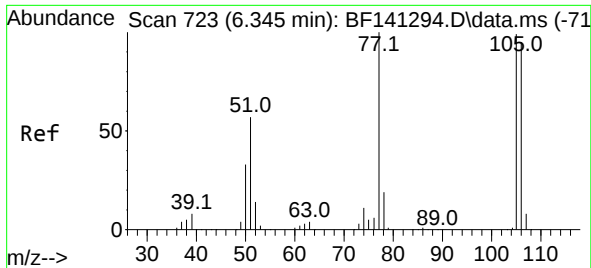
Tgt Ion:112 Resp: 880490
Ion Ratio Lower Upper
112 100
64 62.9 49.8 74.8
63 32.7 26.1 39.1



#7
Phenol-d6
Concen: 89.593 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion: 99 Resp: 1135729
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 33.5 26.9 40.3





#9

Benzaldehyde

Concen: 10.346 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141307.D

Acq: 30 Jan 2025 12:21

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT1-2025

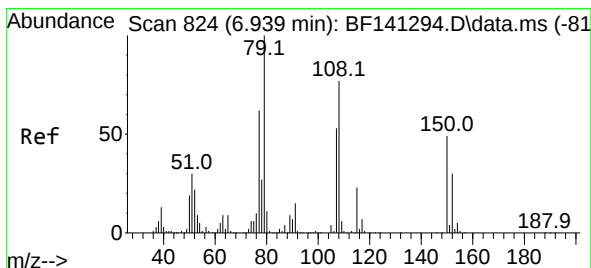
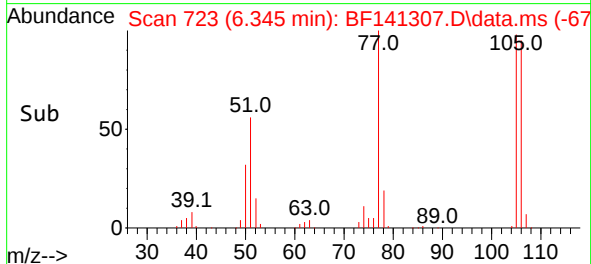
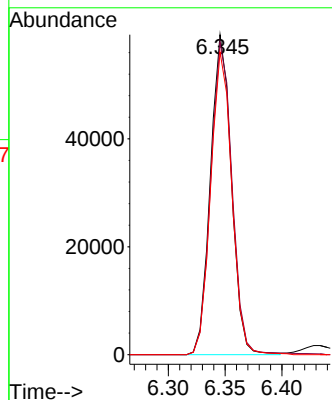
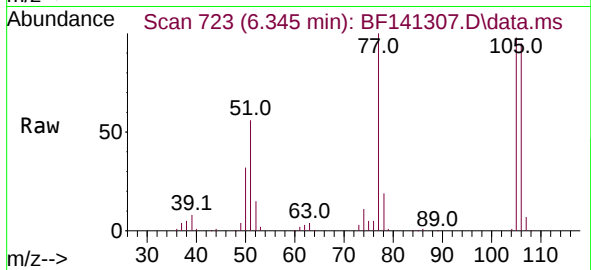
Tgt Ion: 77 Resp: 75968

Ion Ratio Lower Upper

77 100

105 97.6 79.4 119.4

106 94.6 74.6 114.6



#15

Benzyl Alcohol

Concen: 8.983 ng

RT: 6.934 min Scan# 823

Delta R.T. -0.012 min

Lab File: BF141307.D

Acq: 30 Jan 2025 12:21

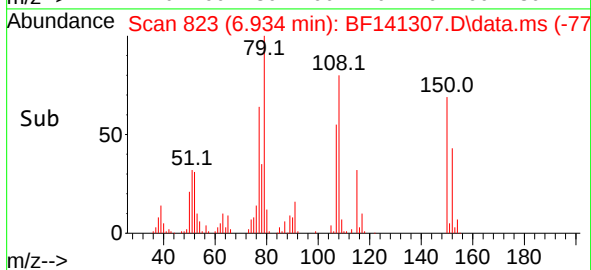
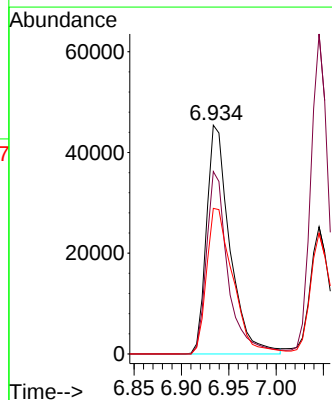
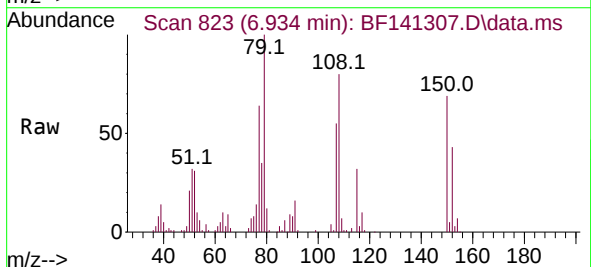
Tgt Ion: 79 Resp: 77823

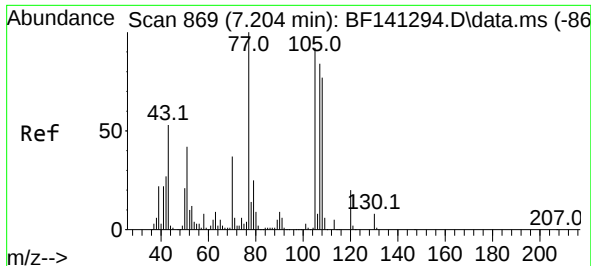
Ion Ratio Lower Upper

79 100

108 79.7 61.4 92.0

77 63.6 49.9 74.9

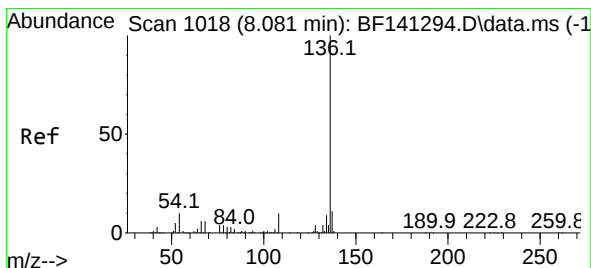
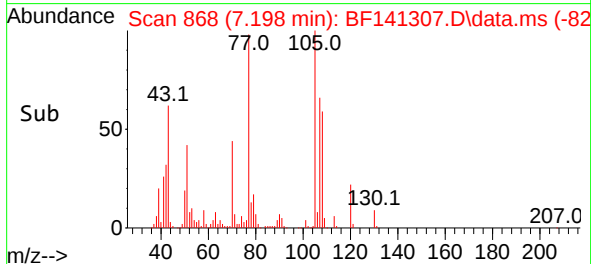
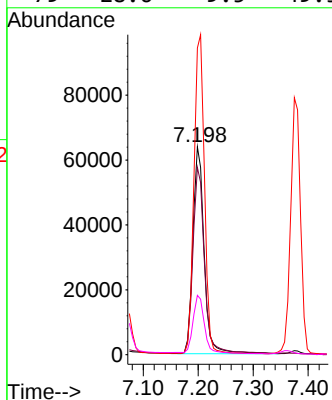
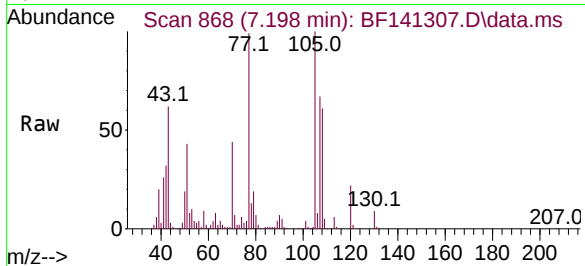




#20
3+4-Methylphenols
Concen: 8.495 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

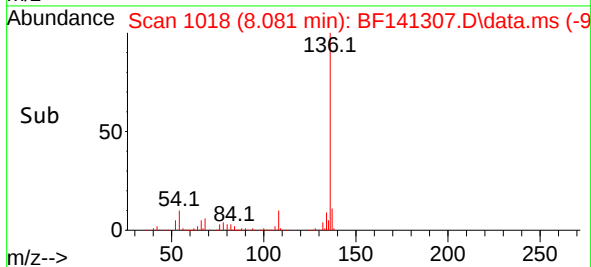
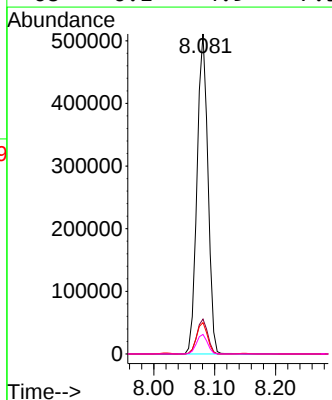
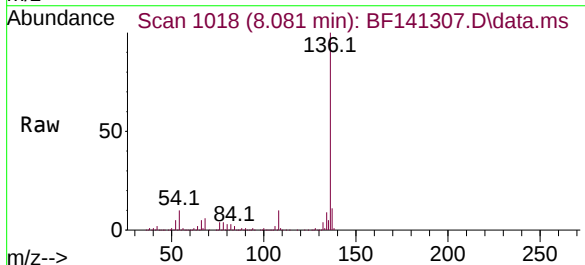
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT1-2025

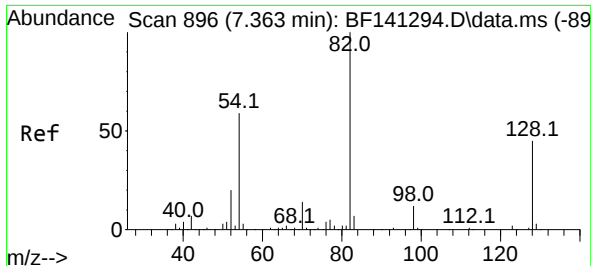
Tgt Ion:107	Resp:	90546
Ion	Ratio	Lower Upper
107	100	
108	90.1	70.9 110.9
77	147.6	98.5 138.5#
79	28.6	9.5 49.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion:136	Resp:	632181
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 13.0
54	9.8	7.8 11.8
68	6.1	4.9 7.3





#23

Nitrobenzene-d5

Concen: 63.397 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141307.D

Acq: 30 Jan 2025 12:21

Instrument :

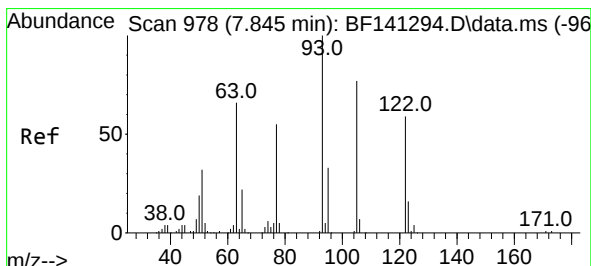
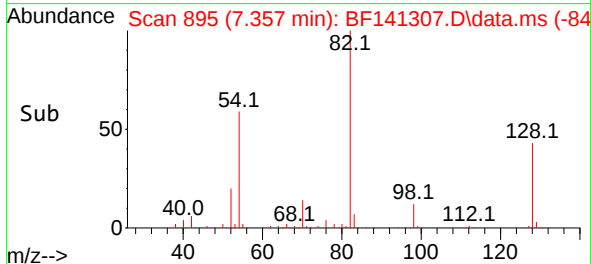
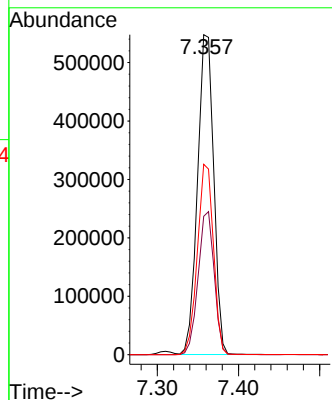
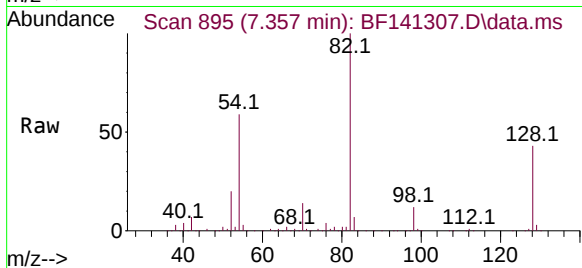
BNA_F

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion: 82 Resp: 760263

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	59.5	47.1	70.7



#32

Benzoic acid

Concen: 10.943 ng

RT: 7.810 min Scan# 972

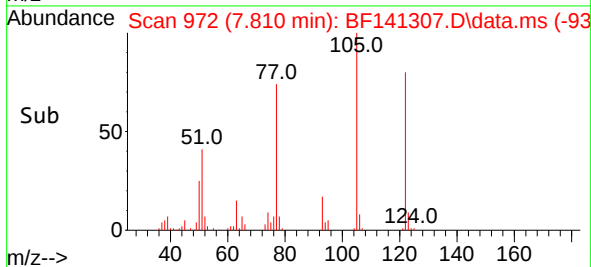
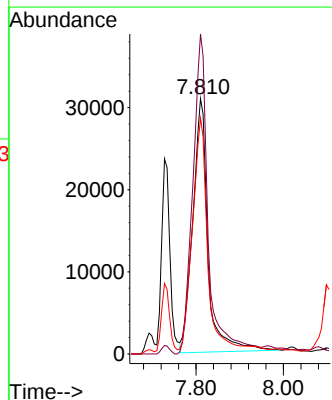
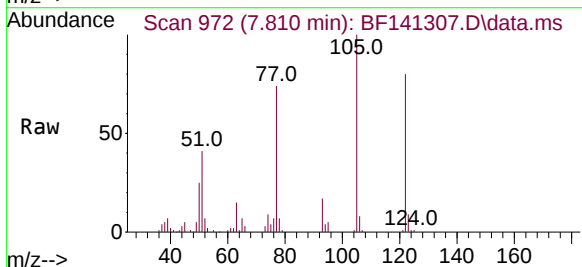
Delta R.T. -0.071 min

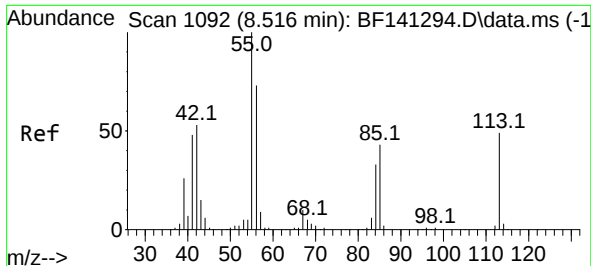
Lab File: BF141307.D

Acq: 30 Jan 2025 12:21

Tgt Ion: 122 Resp: 75047

Ion	Ratio	Lower	Upper
122	100		
105	125.3	103.4	143.4
77	92.4	70.9	110.9

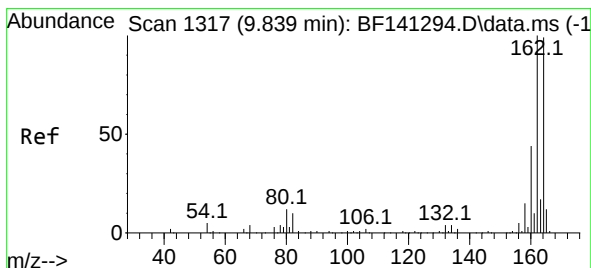
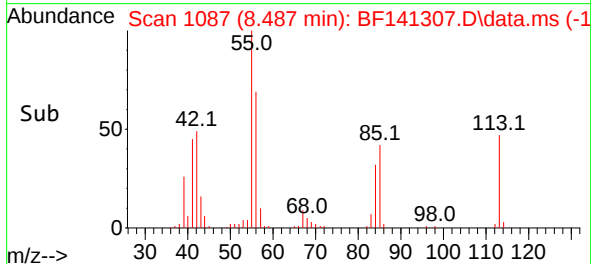
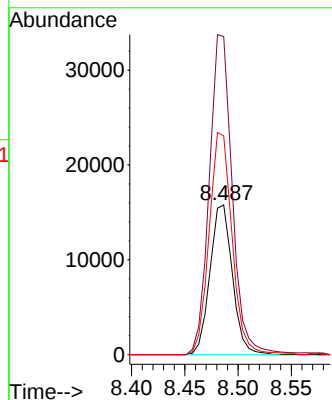
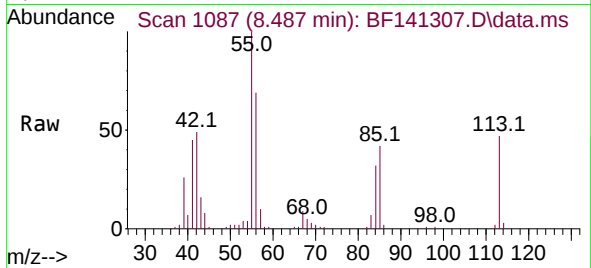




#35
 Caprolactam
 Concen: 7.730 ng
 RT: 8.487 min Scan# 1092
 Delta R.T. -0.059 min
 Lab File: BF141307.D
 Acq: 30 Jan 2025 12:21

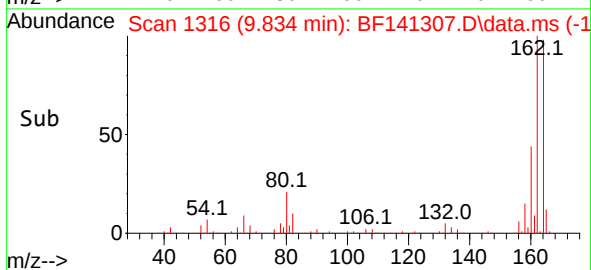
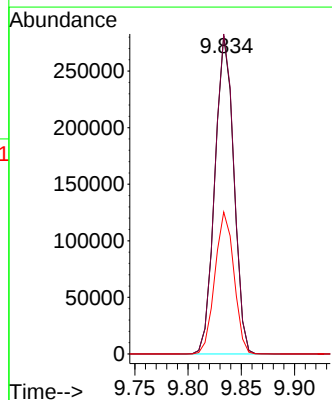
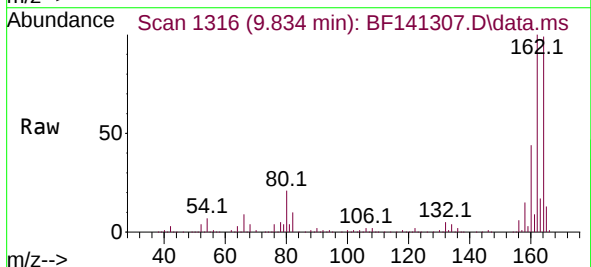
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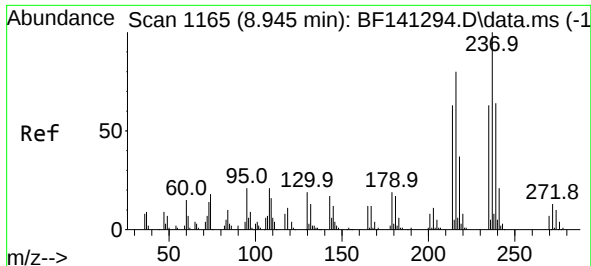
Tgt Ion:113 Resp: 23055
 Ion Ratio Lower Upper
 113 100
 55 212.5 182.9 222.9
 56 146.2 127.9 167.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.834 min Scan# 1316
 Delta R.T. -0.006 min
 Lab File: BF141307.D
 Acq: 30 Jan 2025 12:21

Tgt Ion:164 Resp: 346606
 Ion Ratio Lower Upper
 164 100
 162 100.6 80.6 121.0
 160 44.6 35.8 53.6

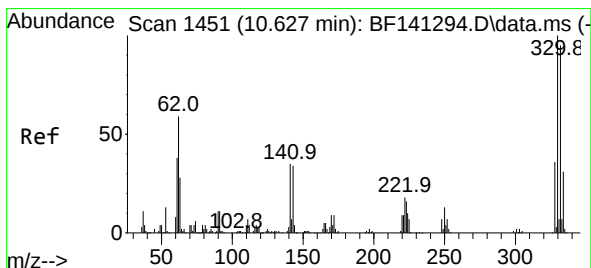
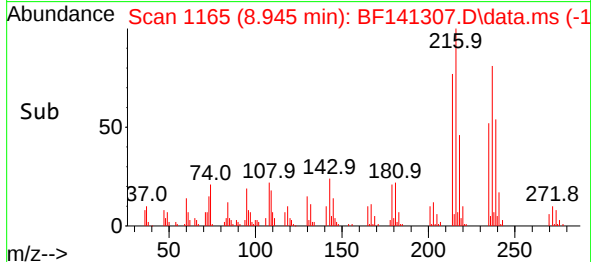
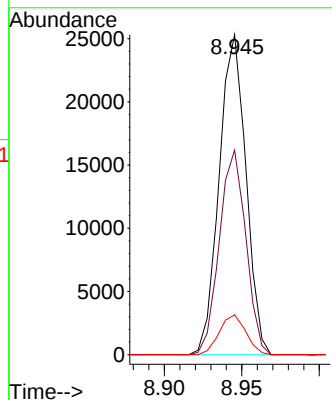
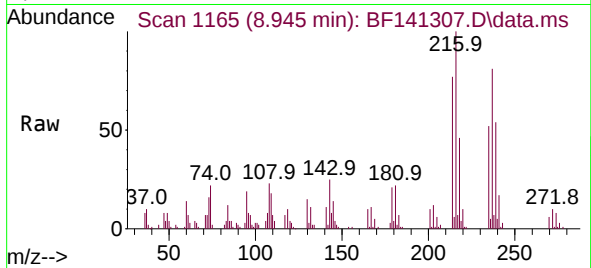




#41
Hexachlorocyclopentadiene
Concen: 10.444 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

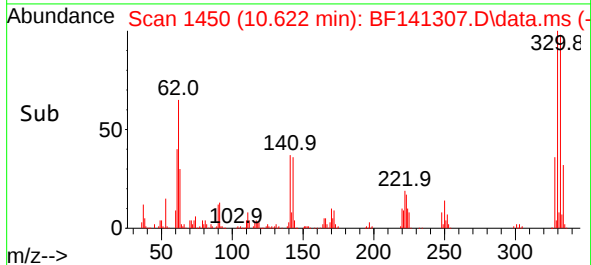
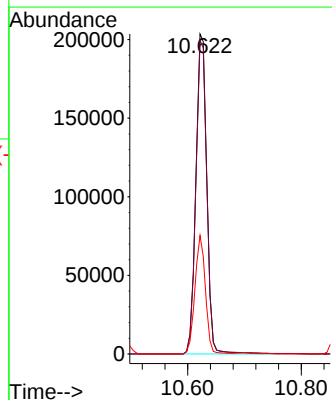
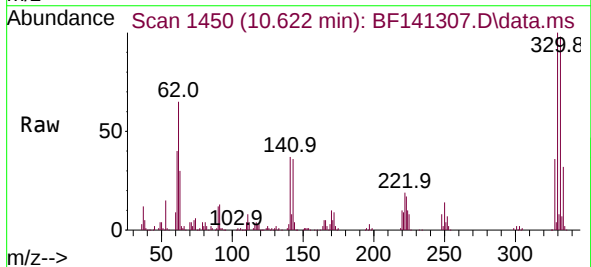
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BNA_F
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LOQ-WATER-02-QT1-2025

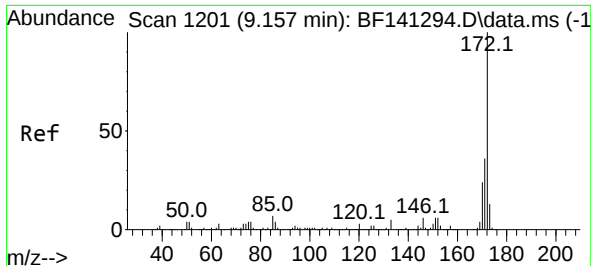
Tgt Ion:237	Resp:	30414
Ion Ratio	Lower	Upper
237	100	
235	63.9	42.9 82.9
272	12.5	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 86.314 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion:330	Resp:	274268
Ion Ratio	Lower	Upper
330	100	
332	98.0	76.1 114.1
141	35.5	28.8 43.2

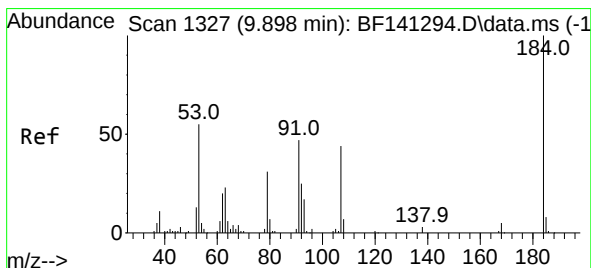
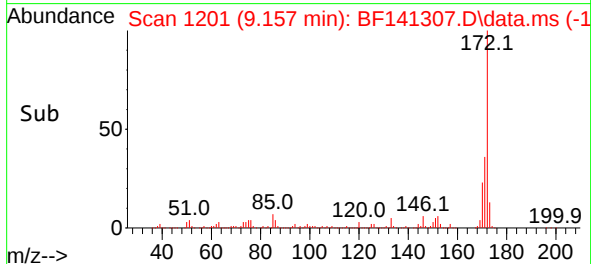
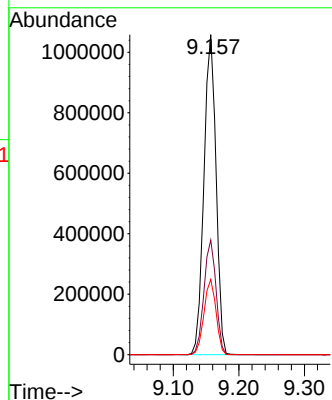
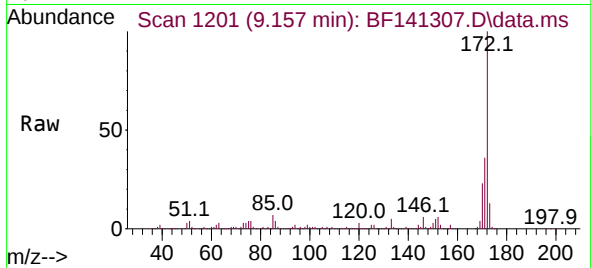




#45
2-Fluorobiphenyl
Concen: 60.491 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

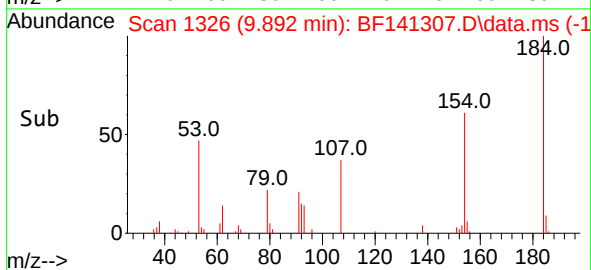
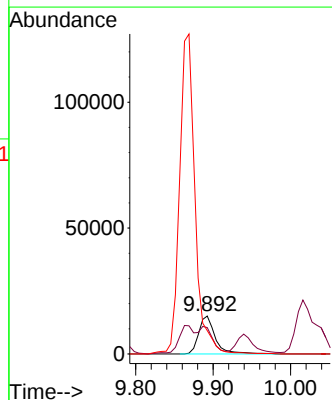
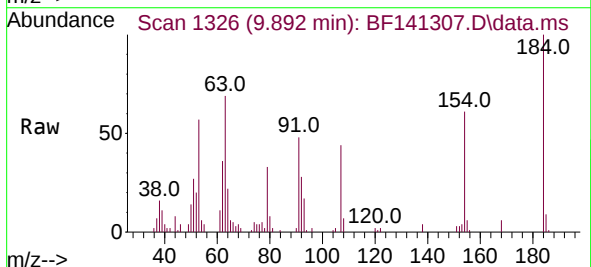
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT1-2025

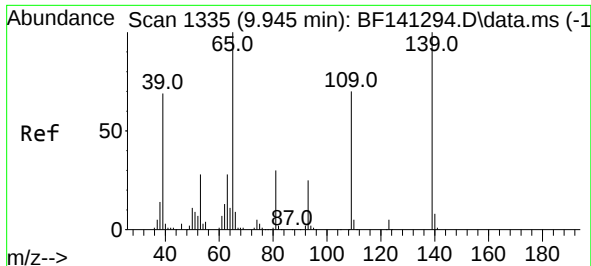
Tgt Ion:172 Resp: 1362179
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.5 19.0 28.6



#54
2,4-Dinitrophenol
Concen: 8.854 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion:184 Resp: 22372
Ion Ratio Lower Upper
184 100
63 69.3 54.1 81.1
154 61.4 50.7 76.1

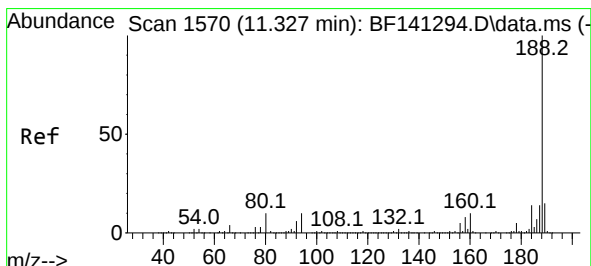
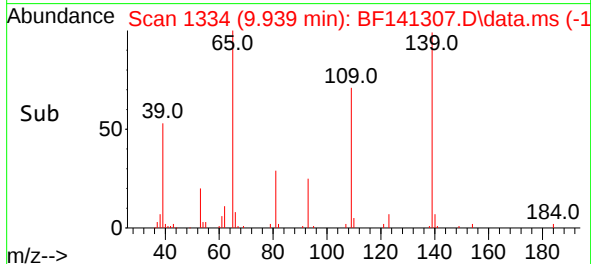
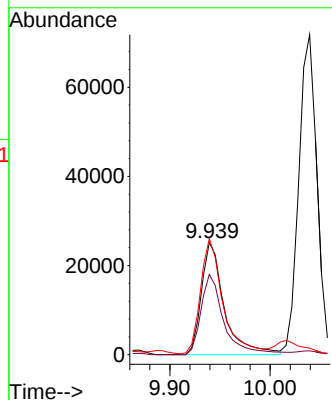
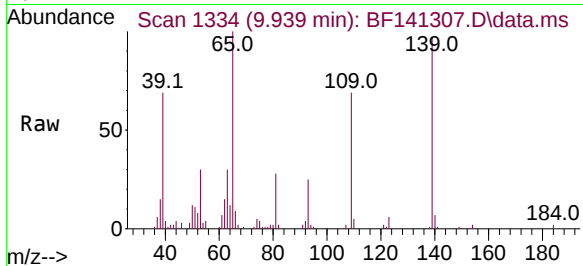




#56
4-Nitrophenol
Concen: 10.291 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

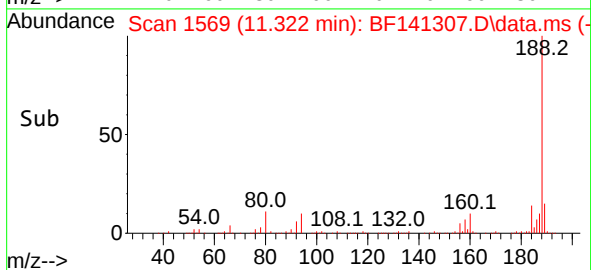
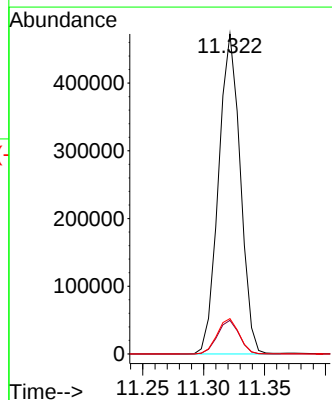
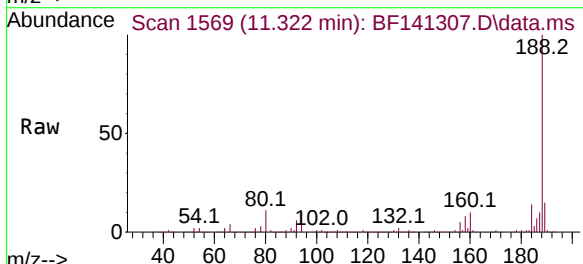
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT1-2025

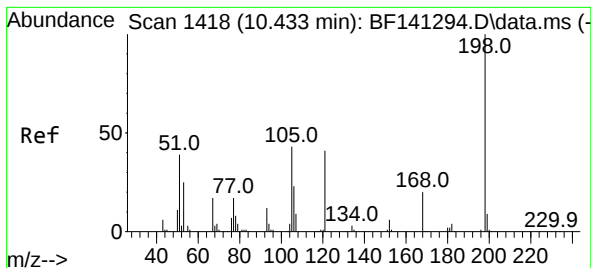
Tgt Ion:139 Resp: 40093
Ion Ratio Lower Upper
139 100
109 71.6 50.2 90.2
65 103.4 80.6 120.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion:188 Resp: 588552
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 11.1 8.2 12.4

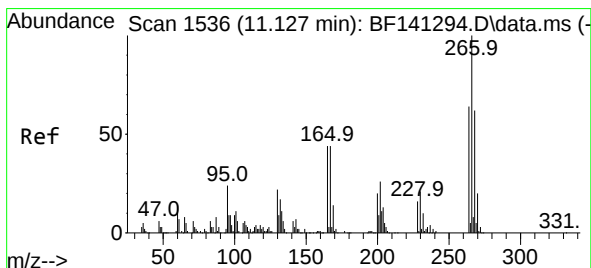
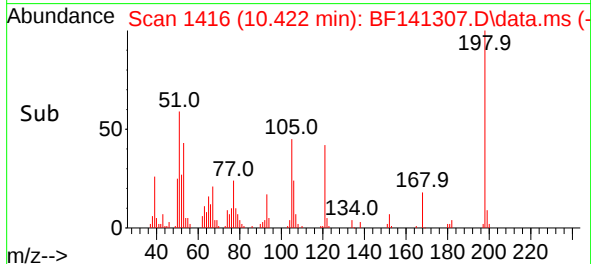
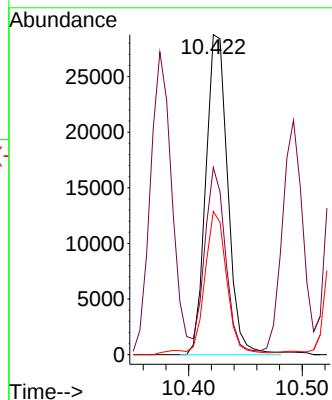
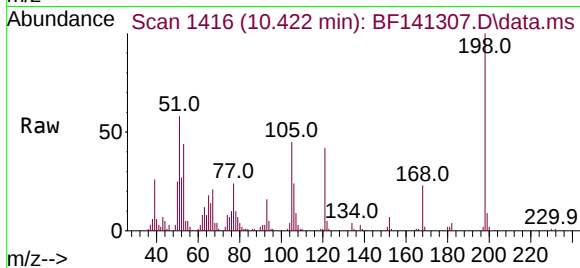




#65
4,6-Dinitro-2-methylphenol
Concen: 11.110 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.018 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

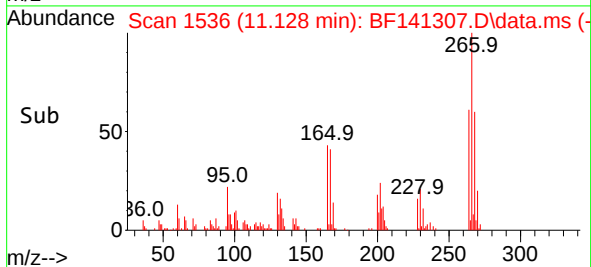
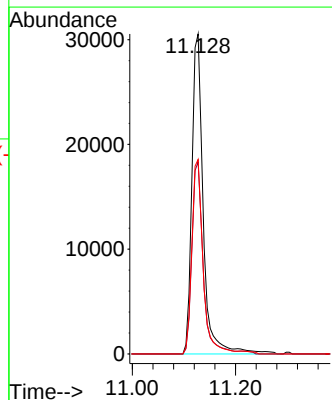
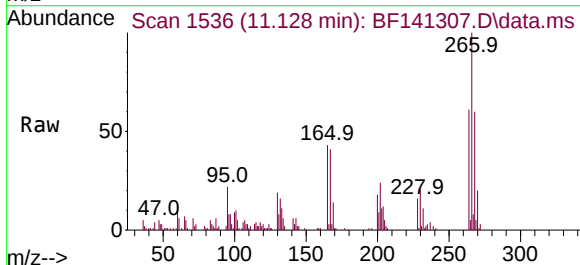
Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT1-2025

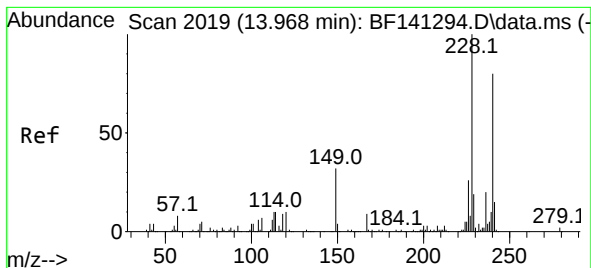
Tgt Ion:198 Resp: 38678
Ion Ratio Lower Upper
198 100
51 58.5 33.4 73.4
105 44.8 24.4 64.4



#70
Pentachlorophenol
Concen: 11.414 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141307.D
Acq: 30 Jan 2025 12:21

Tgt Ion:266 Resp: 46715
Ion Ratio Lower Upper
266 100
268 60.0 49.9 74.9
264 60.8 51.0 76.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141307.D

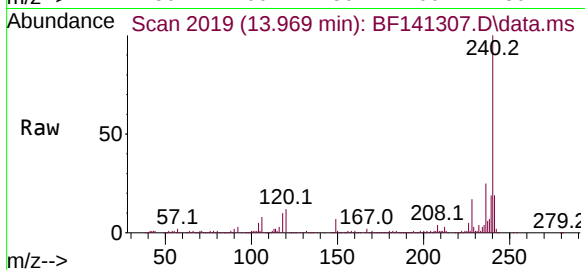
Acq: 30 Jan 2025 12:21

Instrument :

BNA_F

ClientSampleId :

LOQ-WATER-02-QT1-2025



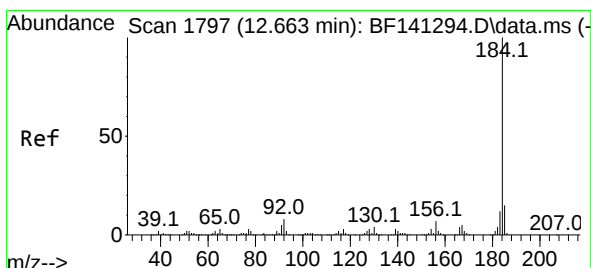
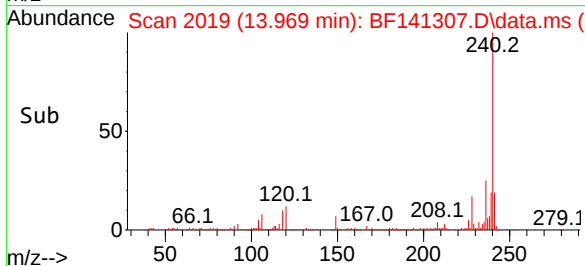
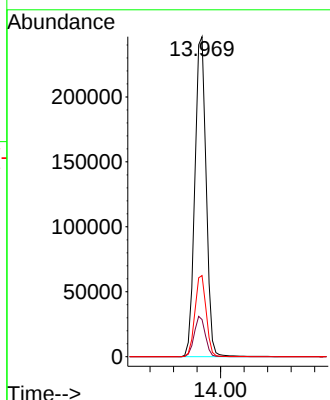
Tgt Ion:240 Resp: 328396

Ion Ratio Lower Upper

240 100

120 11.6 10.0 15.0

236 25.4 19.7 29.5



#77

Benzidine

Concen: 7.851 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141307.D

Acq: 30 Jan 2025 12:21

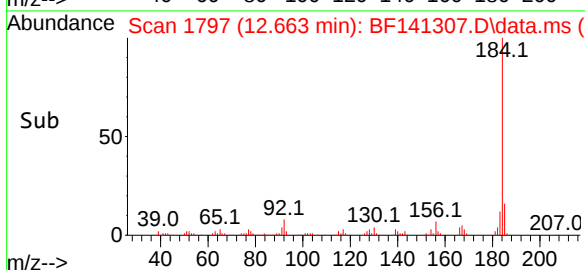
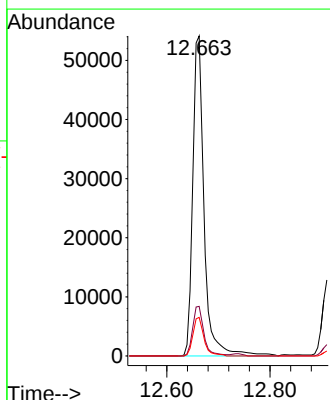
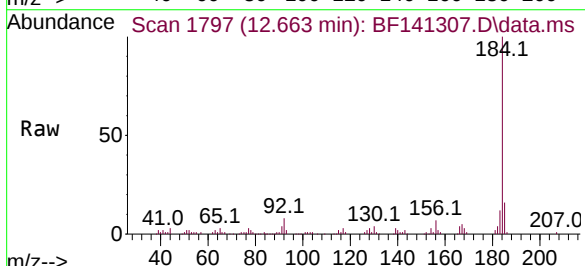
Tgt Ion:184 Resp: 82653

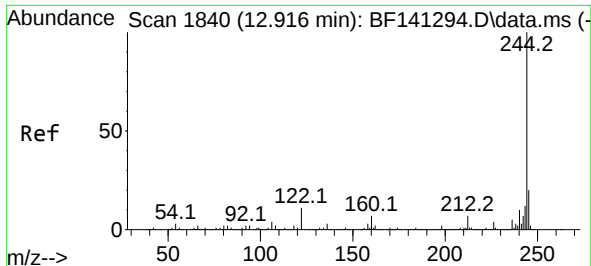
Ion Ratio Lower Upper

184 100

185 15.5 11.9 17.9

183 12.1 9.5 14.3

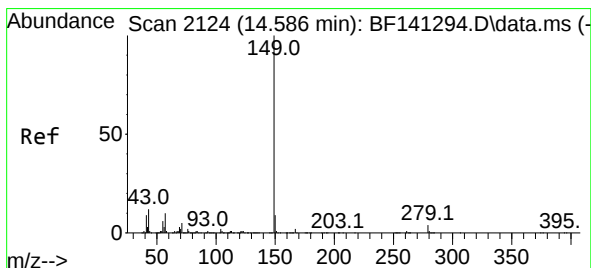
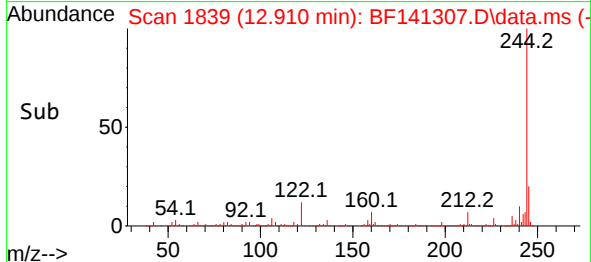
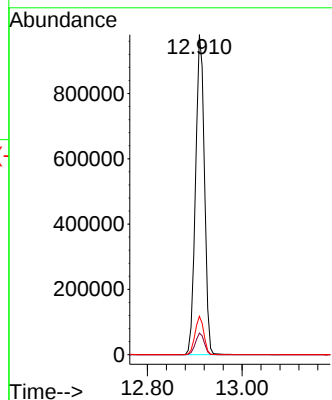
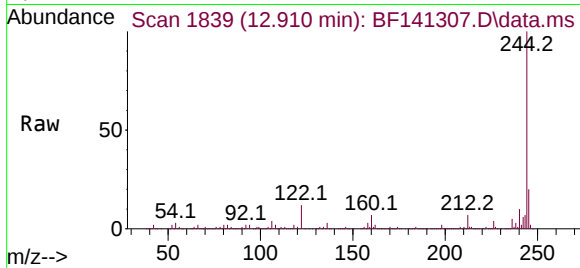




#79
 Terphenyl-d14
 Concen: 59.973 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141307.D
 Acq: 30 Jan 2025 12:21

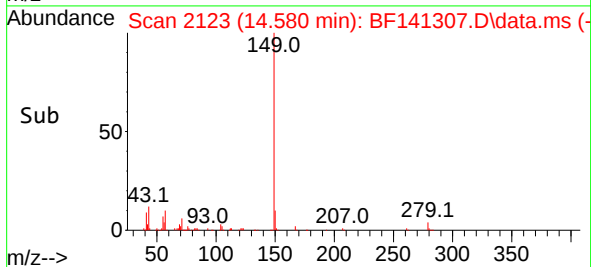
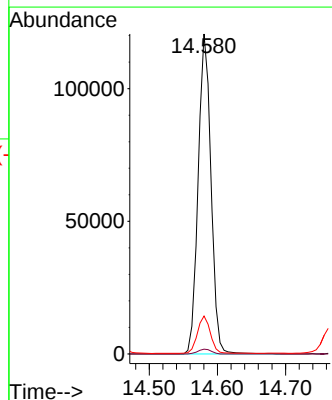
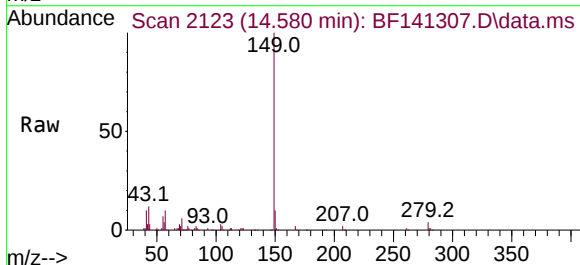
Instrument : BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

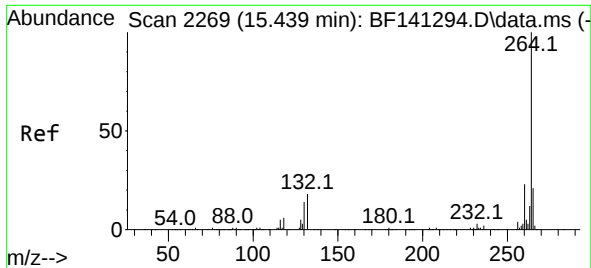
Tgt Ion:244 Resp: 1277077
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.0 8.8 13.2



#85
 Di-n-octyl phthalate
 Concen: 7.257 ng
 RT: 14.580 min Scan# 2123
 Delta R.T. -0.006 min
 Lab File: BF141307.D
 Acq: 30 Jan 2025 12:21

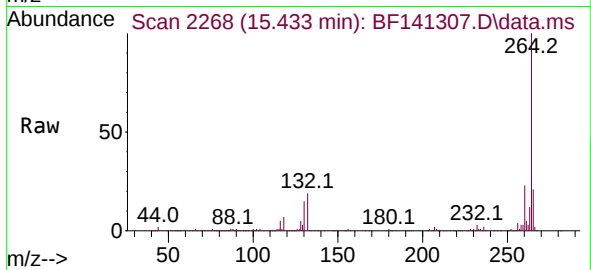
Tgt Ion:149 Resp: 157466
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 11.9 9.8 14.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141307.D
 Acq: 30 Jan 2025 12:21

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT1-2025



Tgt Ion:264 Resp: 313121
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.6 27.8
 265 21.4 16.7 25.1

