

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143508.D
 Acq On : 21 Aug 2025 02:54
 Operator : RC/JU
 Sample : Q2819-19
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 38M-E

Quant Time: Aug 21 04:08:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	134162	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	513690	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272115	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	411656	20.000	ng	0.00
76) Chrysene-d12	14.092	240	229541	20.000	ng	-0.01
86) Perylene-d12	15.592	264	280374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	610870	79.507	ng	0.00
7) Phenol-d6	6.557	99	807216	85.108	ng	-0.02
23) Nitrobenzene-d5	7.481	82	501521	56.972	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	220877	87.200	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	948780	57.624	ng	0.00
79) Terphenyl-d14	13.033	244	791913	60.204	ng	0.00

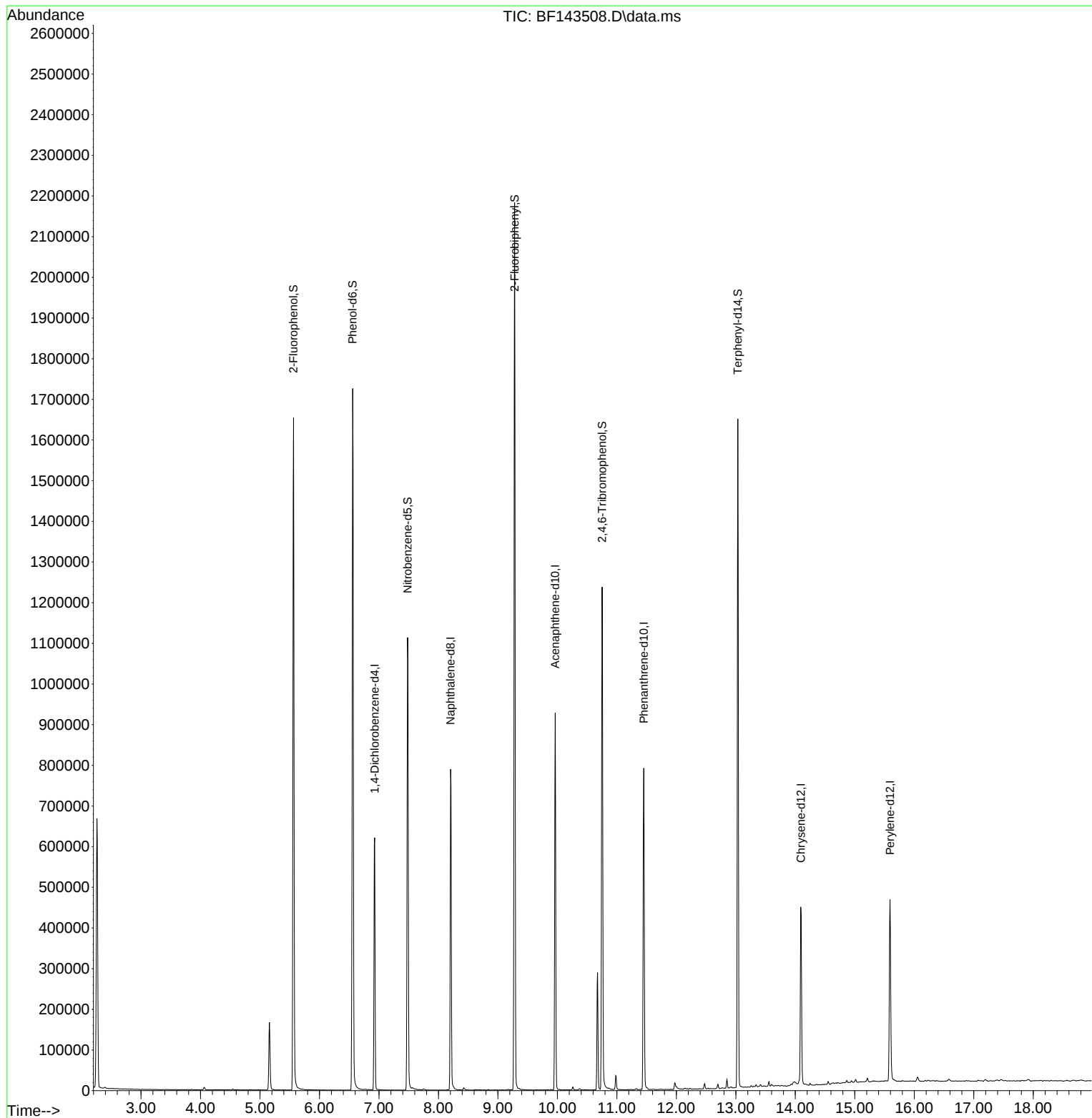
Target Compounds	Qvalue

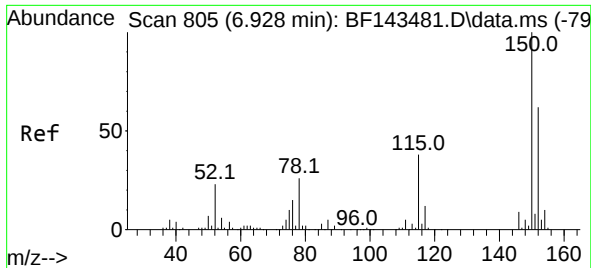
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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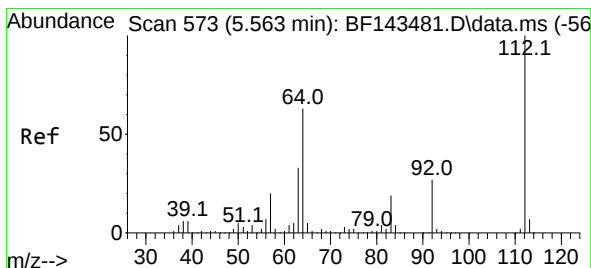
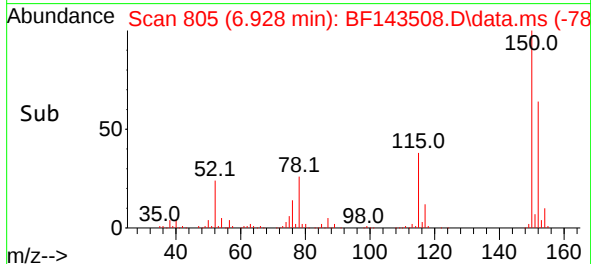
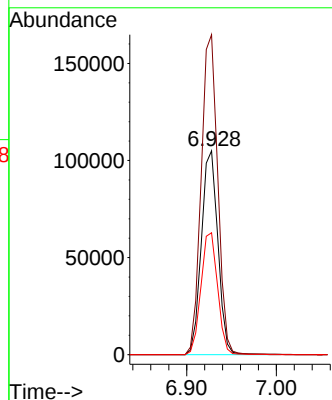
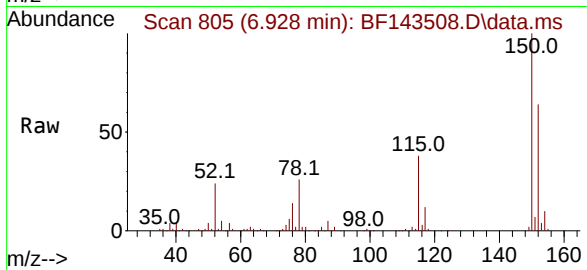




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

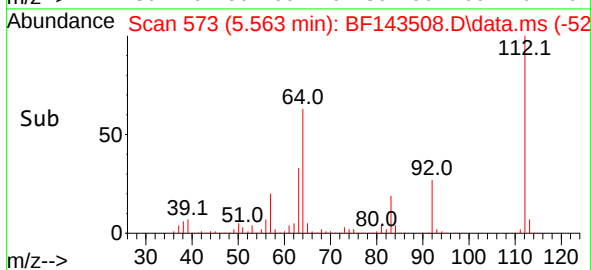
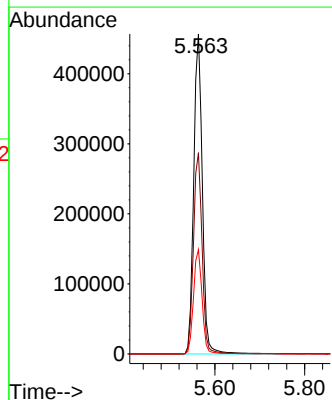
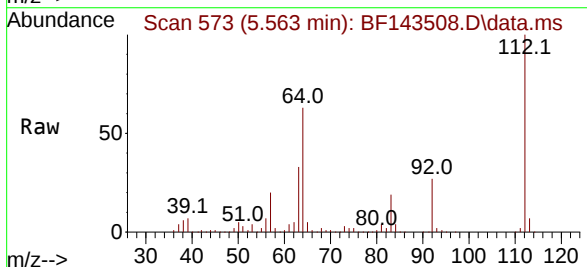
Instrument :
BNA_F
ClientSampleId :
38M-E

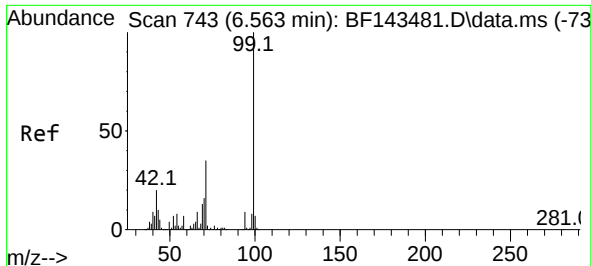
Tgt Ion:152 Resp: 134162
Ion Ratio Lower Upper
152 100
150 157.0 128.9 193.3
115 59.8 49.2 73.8



#5
2-Fluorophenol
Concen: 79.507 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:112 Resp: 610870
Ion Ratio Lower Upper
112 100
64 62.9 50.4 75.6
63 32.6 26.4 39.6

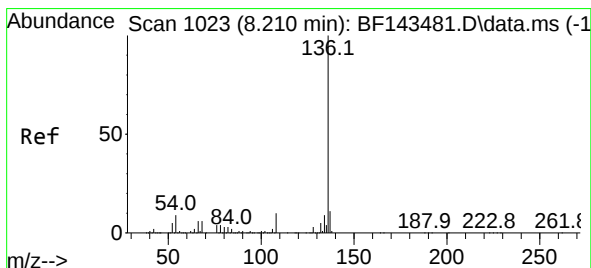
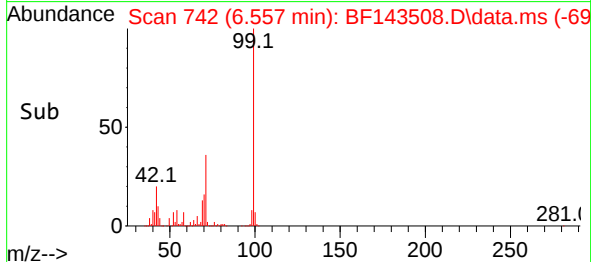
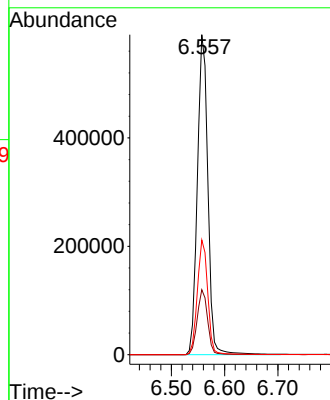
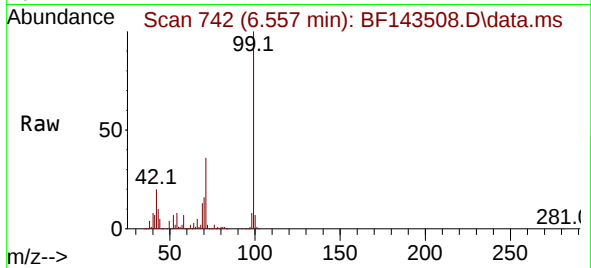




#7
Phenol-d6
Concen: 85.108 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

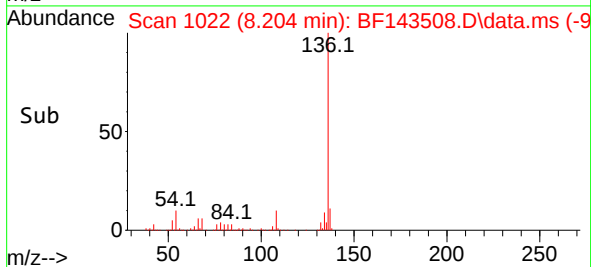
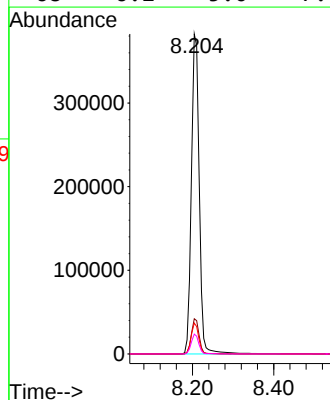
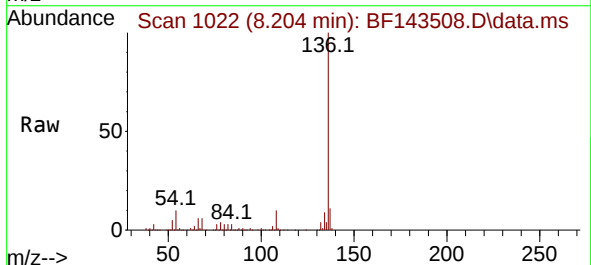
Instrument :
BNA_F
ClientSampleId :
38M-E

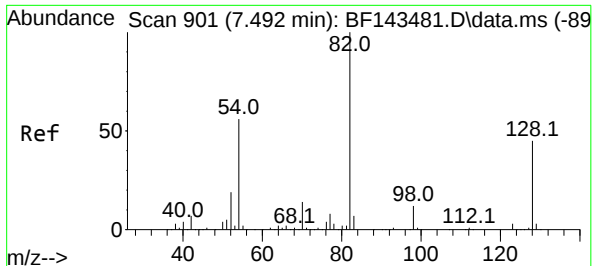
Tgt Ion: 99 Resp: 807216
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 35.9 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion: 136 Resp: 513690
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.7 7.4 11.2
68 6.2 5.0 7.4

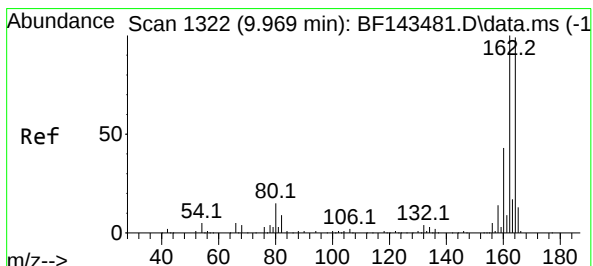
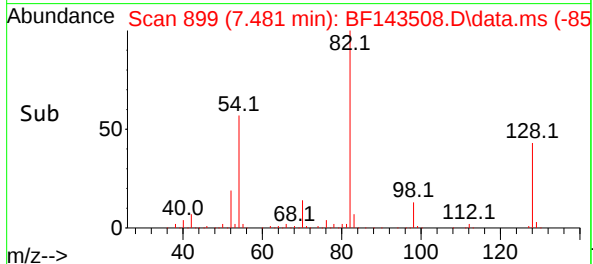
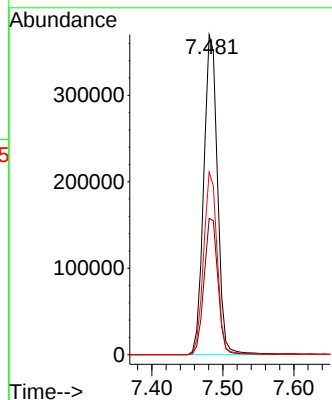
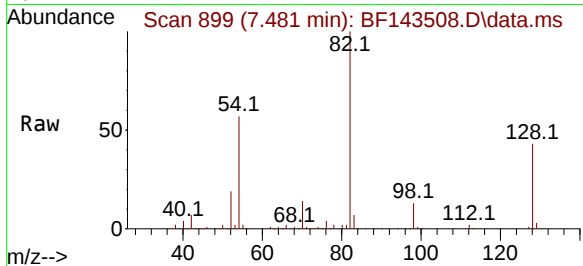




#23
Nitrobenzene-d5
Concen: 56.972 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

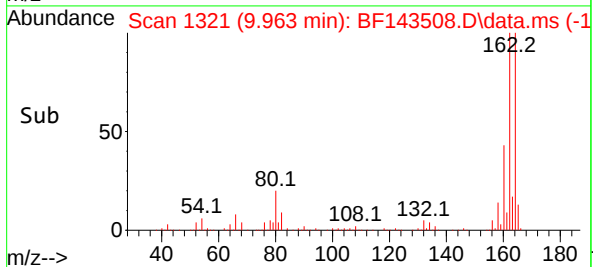
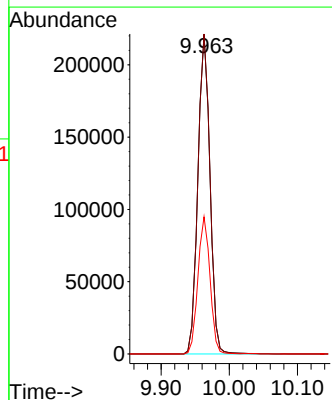
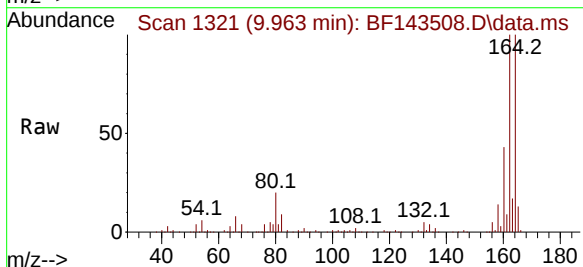
Instrument :
BNA_F
ClientSampleId :
38M-E

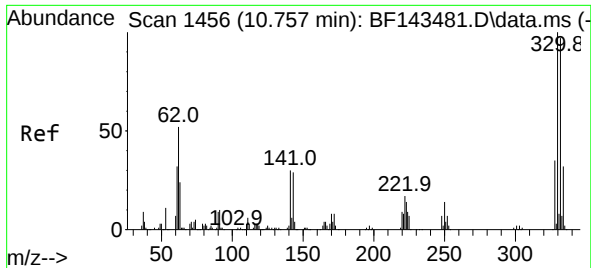
Tgt Ion: 82 Resp: 501521
Ion Ratio Lower Upper
82 100
128 42.6 35.5 53.3
54 57.0 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:164 Resp: 272115
Ion Ratio Lower Upper
164 100
162 100.2 80.5 120.7
160 42.9 34.3 51.5

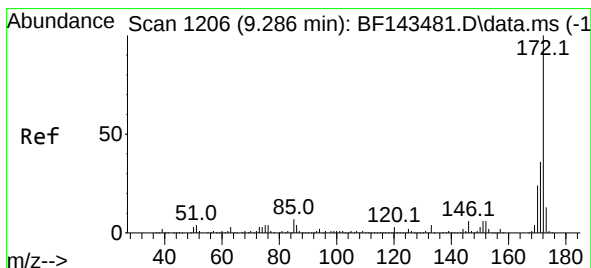
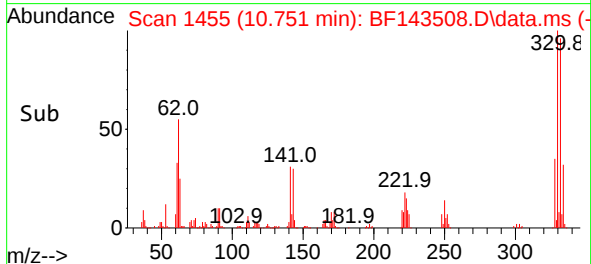
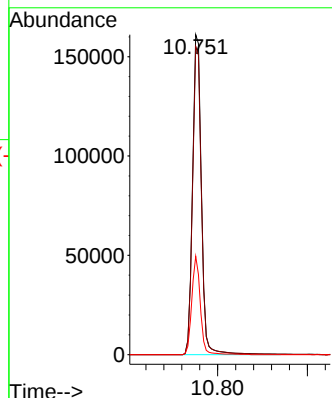
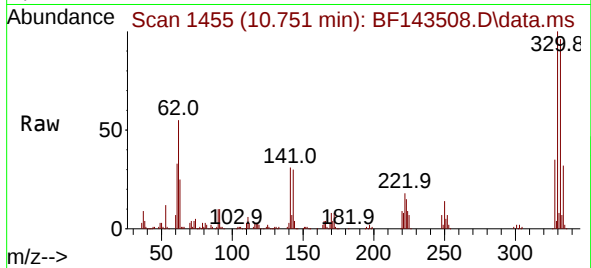




#42
2,4,6-Tribromophenol
Concen: 87.200 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

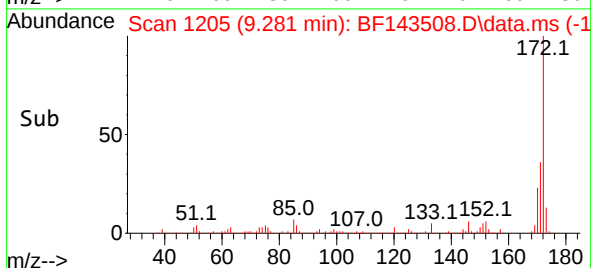
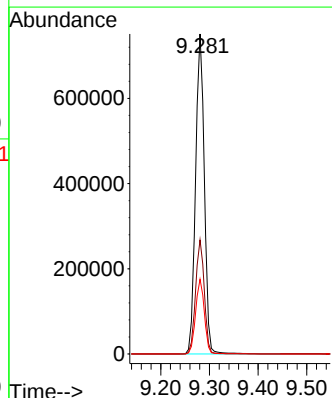
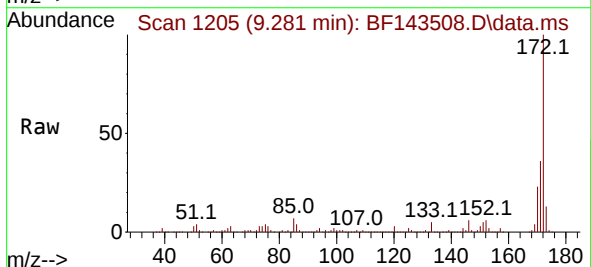
Instrument :
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ClientSampleId :
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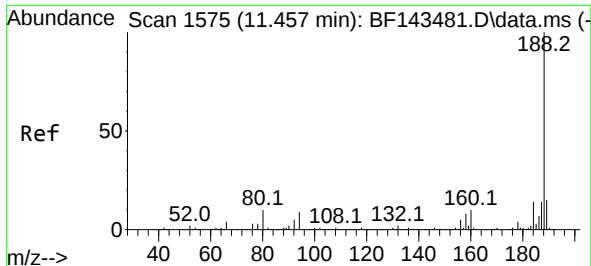
Tgt Ion:330 Resp: 220877
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 29.7 23.7 35.5



#45
2-Fluorobiphenyl
Concen: 57.624 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:172 Resp: 948780
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.3 18.8 28.2

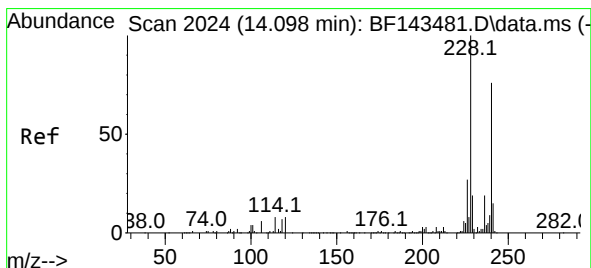
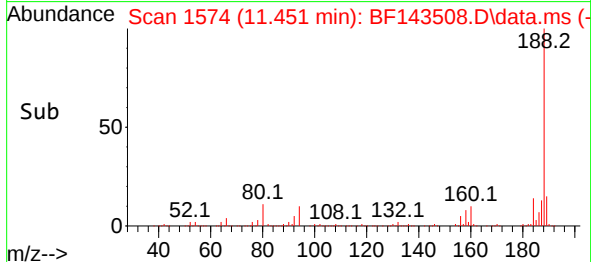
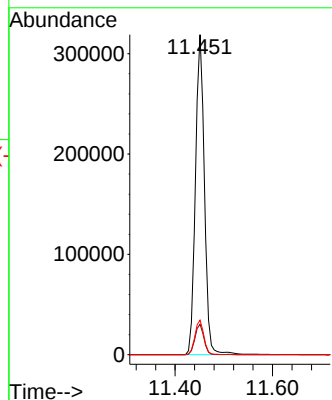
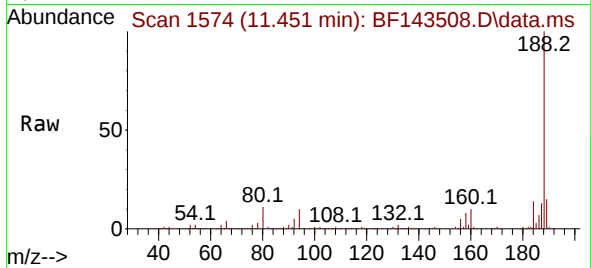




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

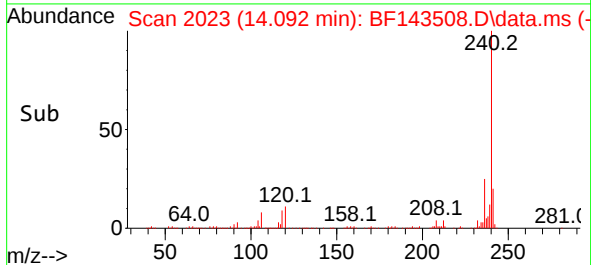
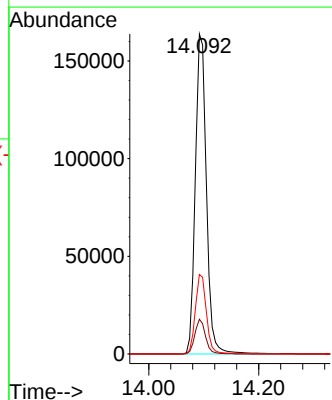
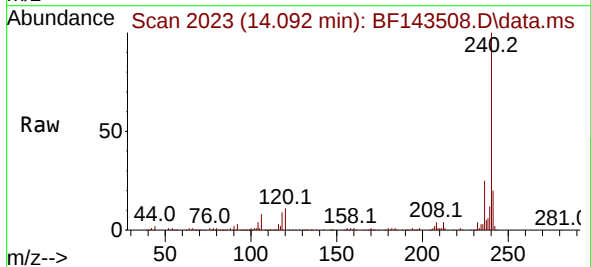
Instrument :
BNA_F
ClientSampleId :
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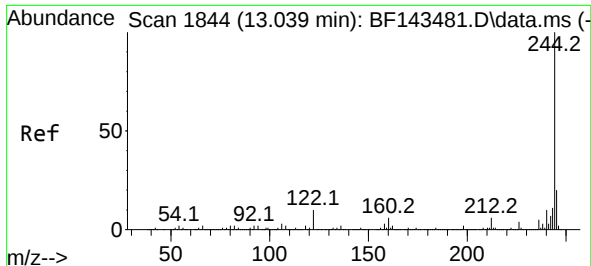
Tgt Ion:188 Resp: 411656
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.8 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143508.D
Acq: 21 Aug 2025 02:54

Tgt Ion:240 Resp: 229541
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 24.9 20.4 30.6

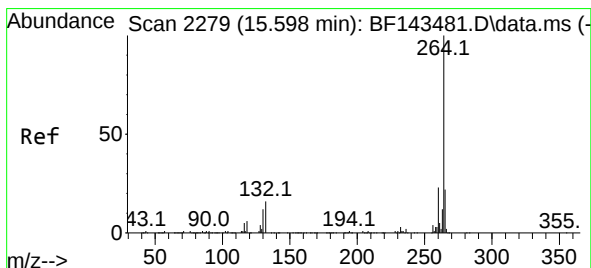
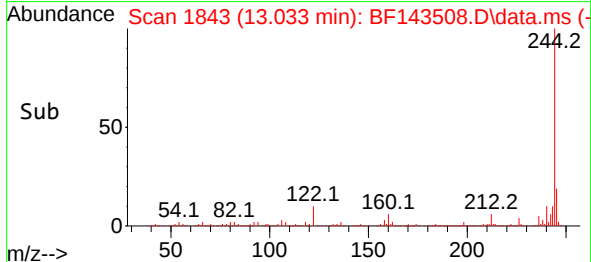
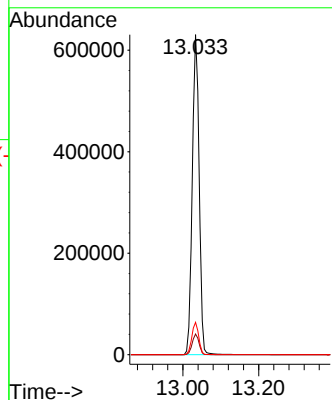
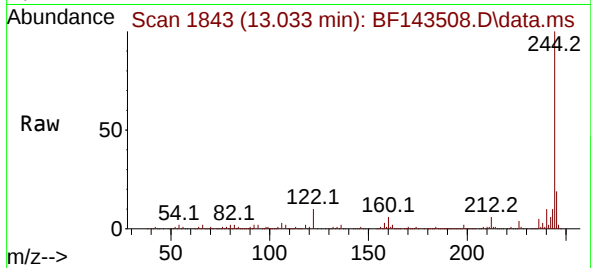




#79
 Terphenyl-d14
 Concen: 60.204 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143508.D
 Acq: 21 Aug 2025 02:54

Instrument :
 BNA_F
 ClientSampleId :
 38M-E

Tgt Ion:244 Resp: 791913
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.1 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143508.D
 Acq: 21 Aug 2025 02:54

Tgt Ion:264 Resp: 280374
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.2 17.6 26.4

