

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143124.D
 Acq On : 16 Jul 2025 23:08
 Operator : RC/JU
 Sample : Q2600-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH

Quant Time: Jul 17 03:47:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

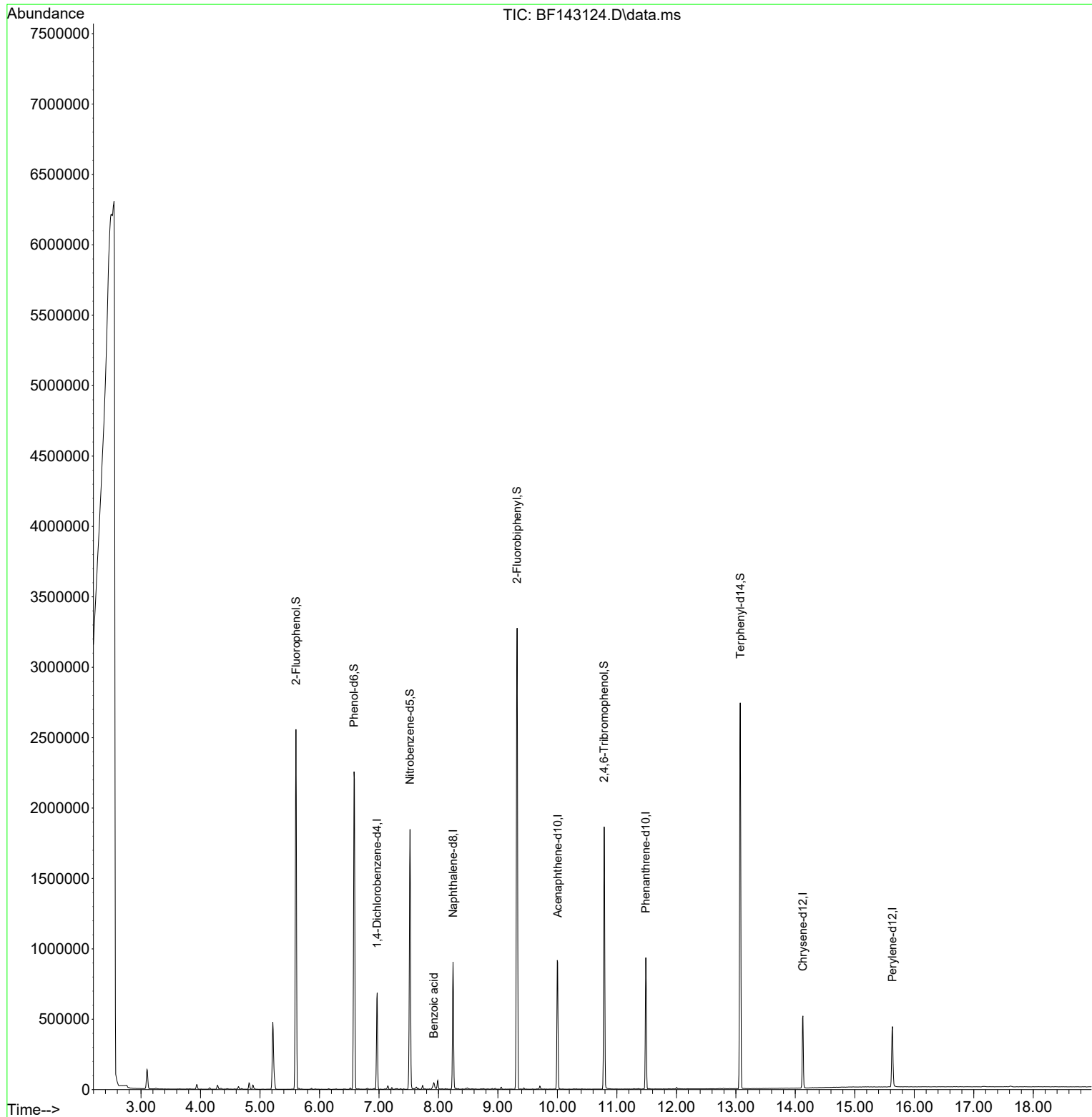
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	141466	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	534978	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274969	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	455375	20.000	ng	0.00
76) Chrysene-d12	14.127	240	246940	20.000	ng	0.00
86) Perylene-d12	15.633	264	251795	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	944976	105.538	ng	0.02
7) Phenol-d6	6.581	99	1107023	98.358	ng	0.00
23) Nitrobenzene-d5	7.522	82	809693	84.905	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	322860	131.685	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1467174	70.927	ng	0.00
79) Terphenyl-d14	13.074	244	1335063	79.032	ng	0.00
Target Compounds						
32) Benzoic acid	7.922	122	14322	9.424	ng	Qvalue 96

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

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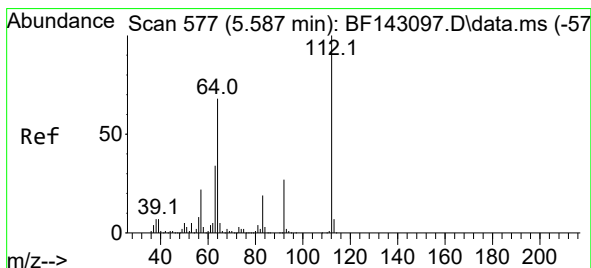
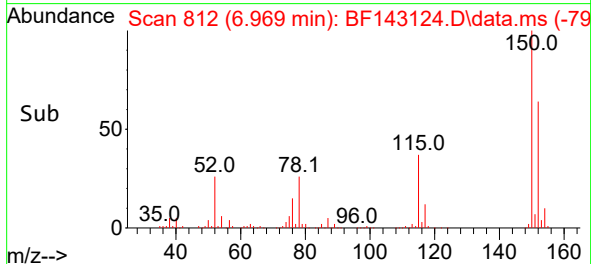
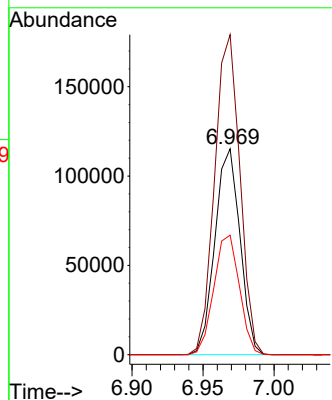
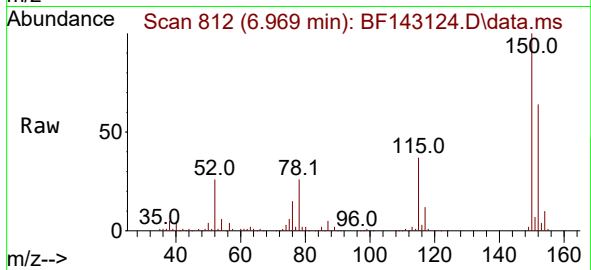




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

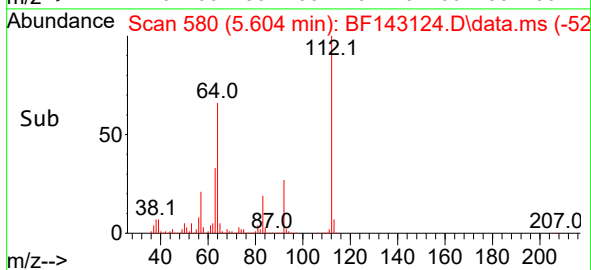
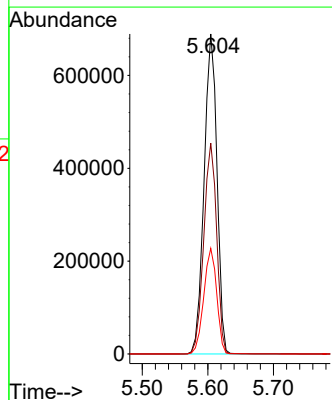
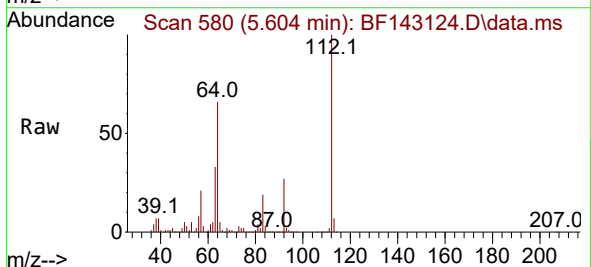
Instrument :
BNA_F
ClientSampleId :
TRENCH

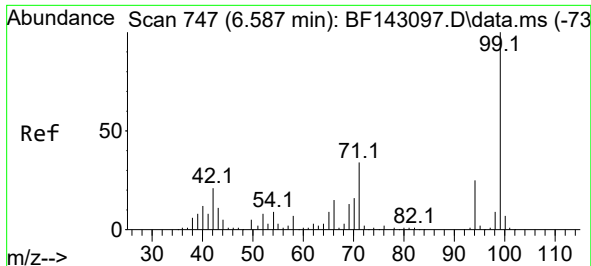
Tgt Ion:152 Resp: 141466
Ion Ratio Lower Upper
152 100
150 155.4 126.5 189.7
115 58.0 47.0 70.6



#5
2-Fluorophenol
Concen: 105.538 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:112 Resp: 944976
Ion Ratio Lower Upper
112 100
64 65.9 54.6 82.0
63 33.0 27.3 40.9

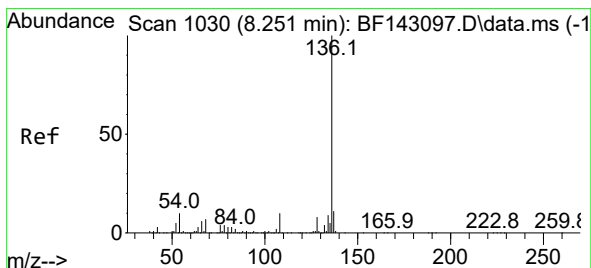
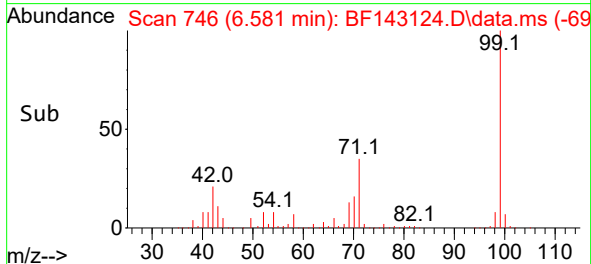
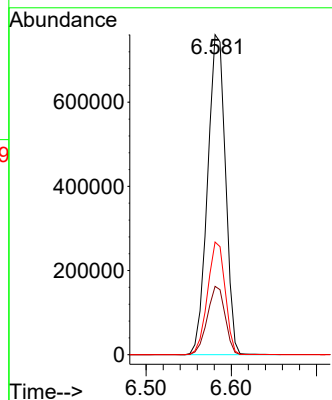
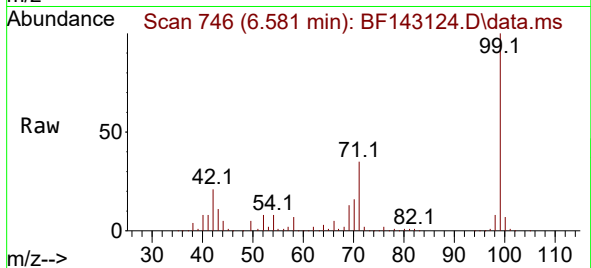




#7
Phenol-d6
Concen: 98.358 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

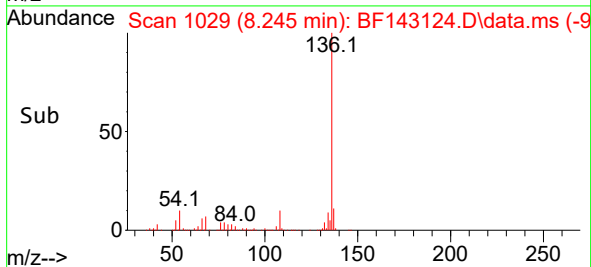
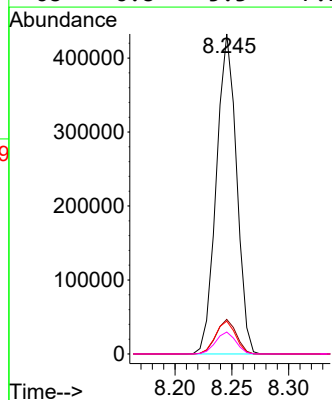
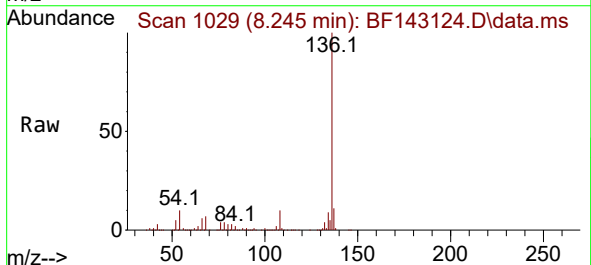
Instrument :
BNA_F
ClientSampleId :
TRENCH

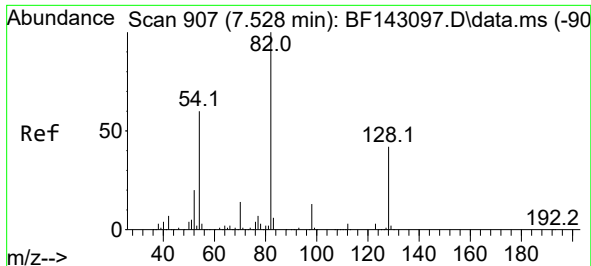
Tgt Ion: 99 Resp: 1107023
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.2 27.4 41.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:136 Resp: 534978
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.2 8.3 12.5
68 6.8 5.3 7.9





#23

Nitrobenzene-d5

Concen: 84.905 ng

RT: 7.522 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

Instrument :

BNA_F

ClientSampleId :

TRENCH

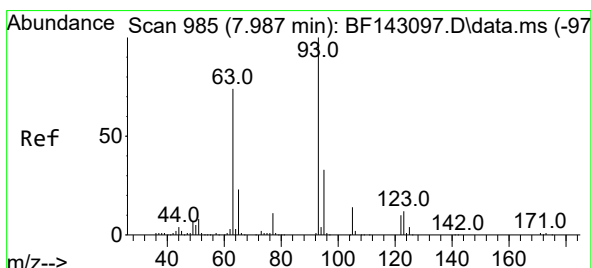
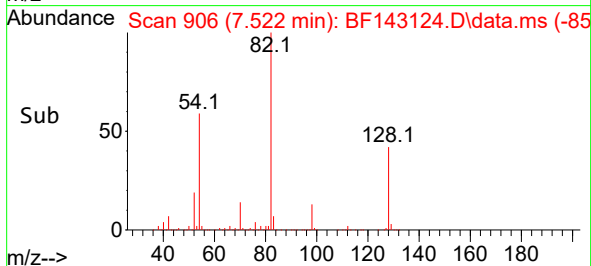
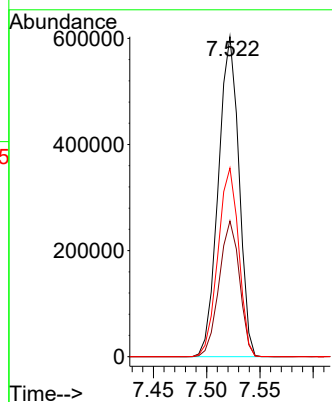
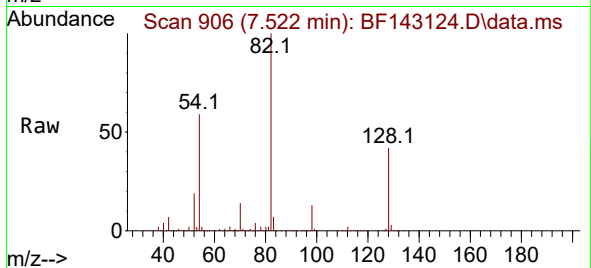
Tgt Ion: 82 Resp: 809693

Ion Ratio Lower Upper

82 100

128 42.4 33.3 49.9

54 59.0 47.4 71.2



#32

Benzoic acid

Concen: 9.424 ng

RT: 7.922 min Scan# 974

Delta R.T. -0.065 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

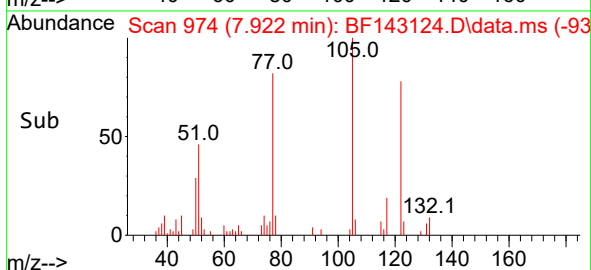
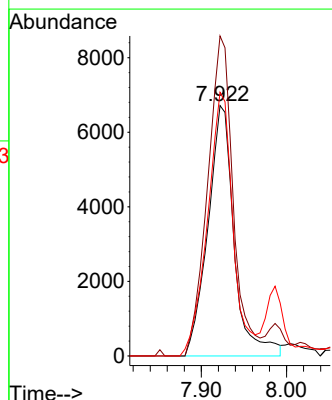
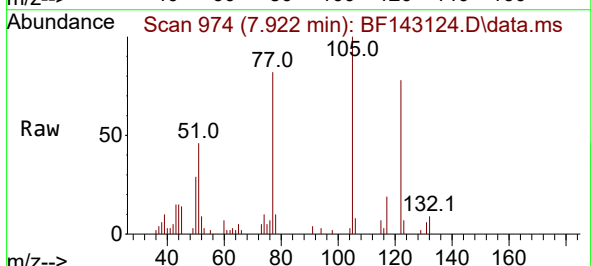
Tgt Ion: 122 Resp: 14322

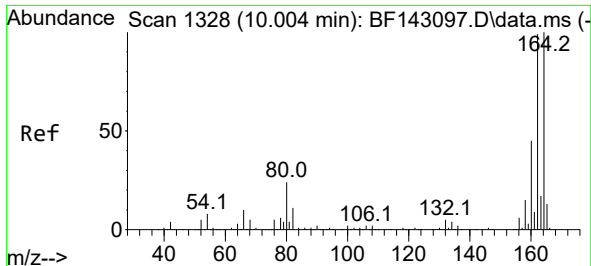
Ion Ratio Lower Upper

122 100

105 127.8 105.4 145.4

77 105.3 78.6 118.6

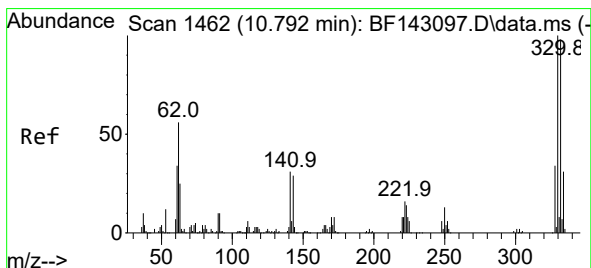
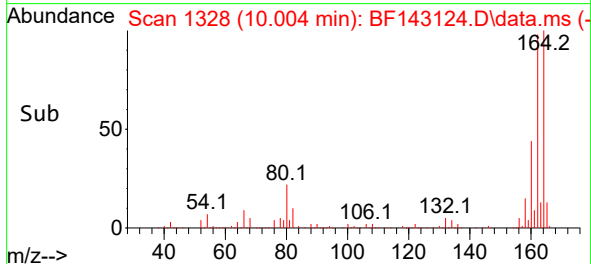
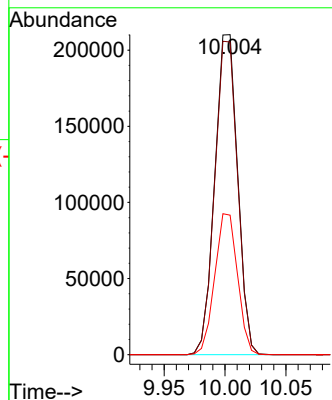
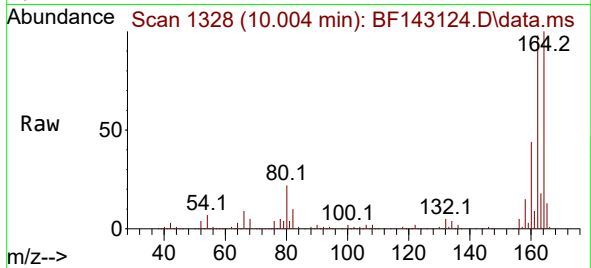




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

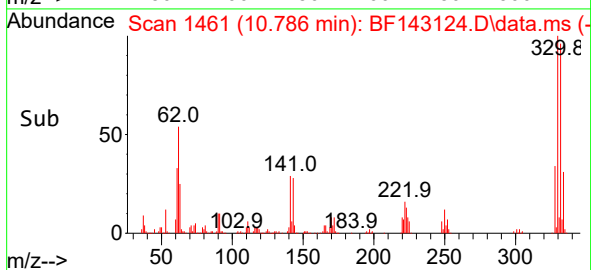
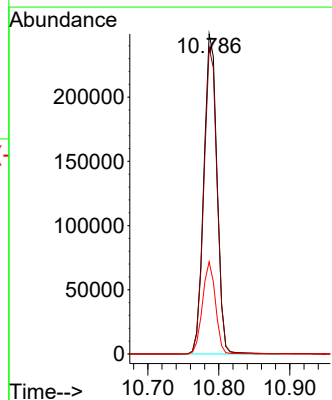
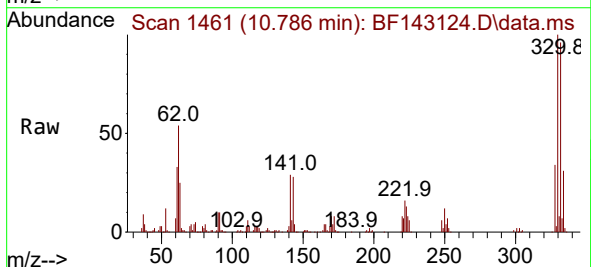
Instrument :
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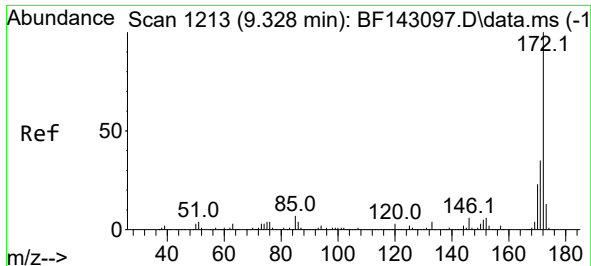
Tgt Ion:164 Resp: 274969
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 43.6 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 131.685 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:330 Resp: 322860
Ion Ratio Lower Upper
330 100
332 96.2 77.9 116.9
141 28.4 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 70.927 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

Instrument :

BNA_F

ClientSampleId :

TRENCH

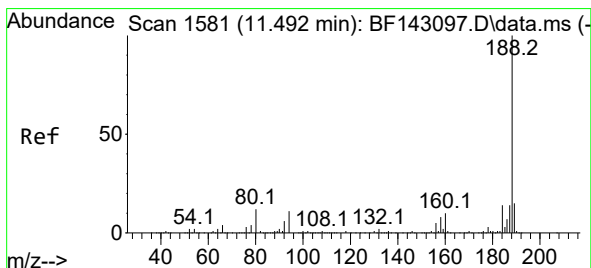
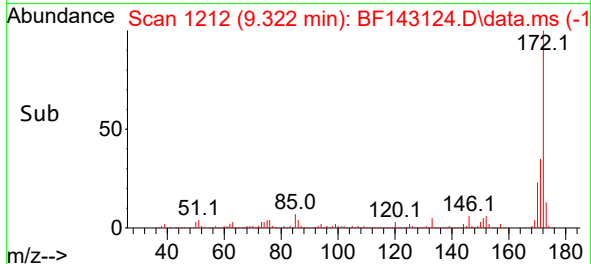
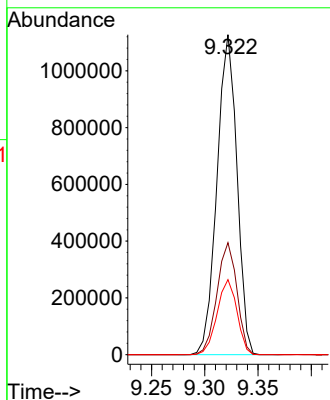
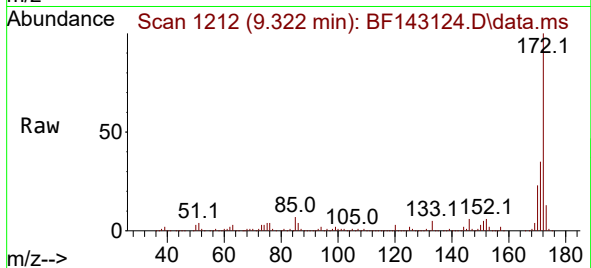
Tgt Ion:172 Resp: 1467174

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.5 18.6 28.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

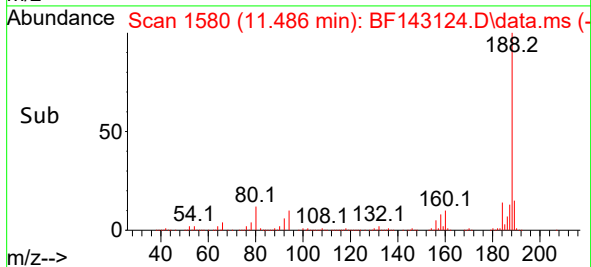
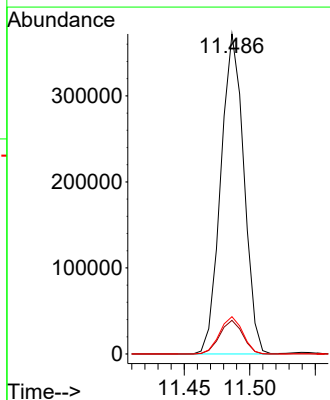
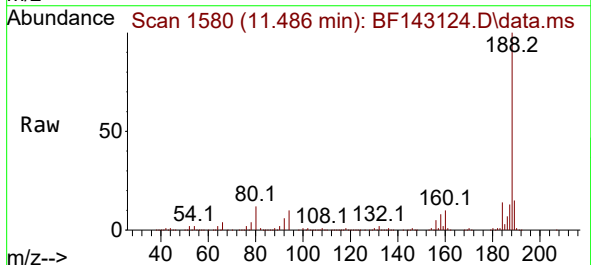
Tgt Ion:188 Resp: 455375

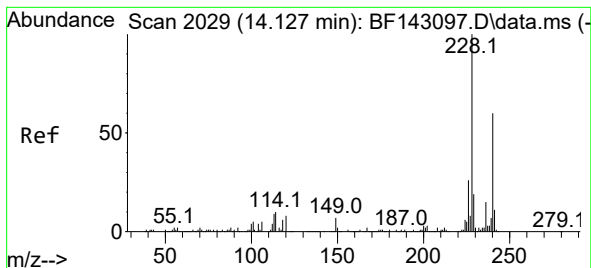
Ion Ratio Lower Upper

188 100

94 10.5 8.6 13.0

80 11.7 9.3 13.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

Instrument :

BNA_F

ClientSampleId :

TRENCH

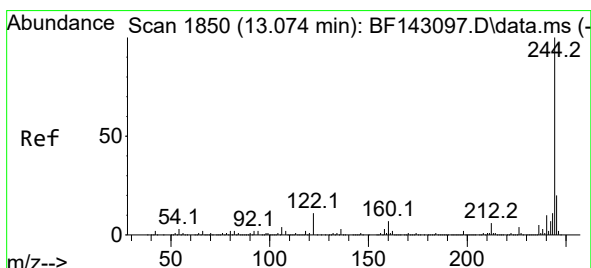
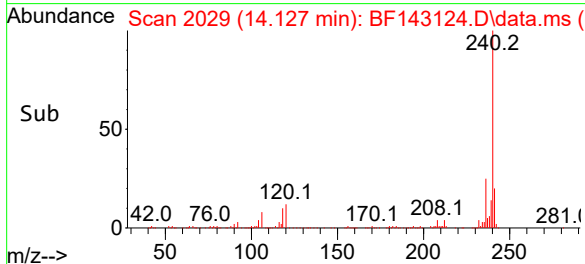
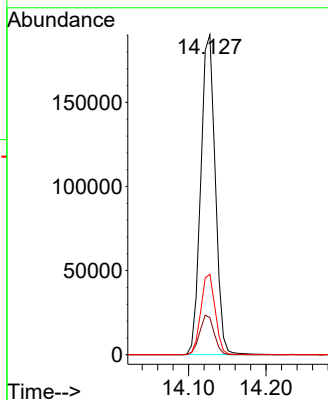
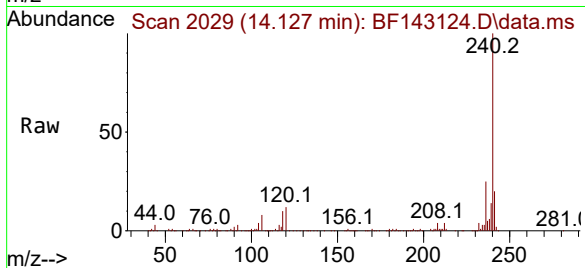
Tgt Ion:240 Resp: 246940

Ion Ratio Lower Upper

240 100

120 11.6 10.0 15.0

236 25.1 20.0 30.0



#79

Terphenyl-d14

Concen: 79.032 ng

RT: 13.074 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143124.D

Acq: 16 Jul 2025 23:08

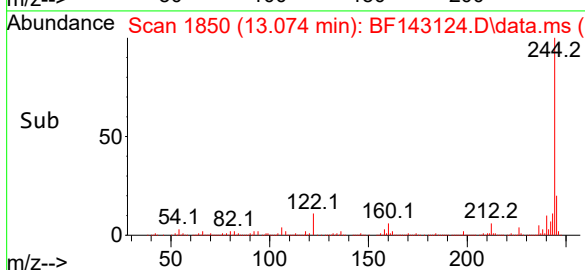
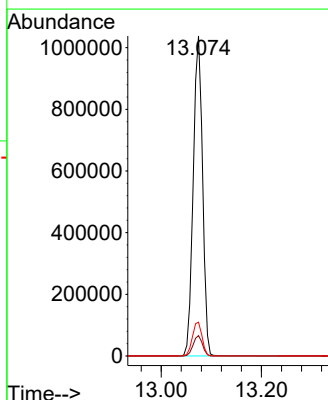
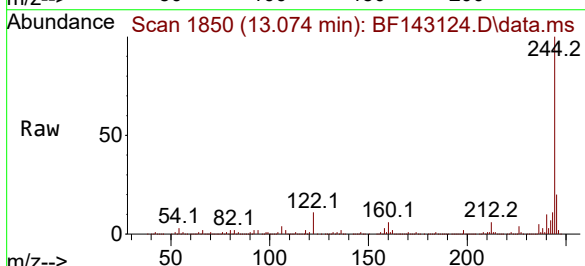
Tgt Ion:244 Resp: 1335063

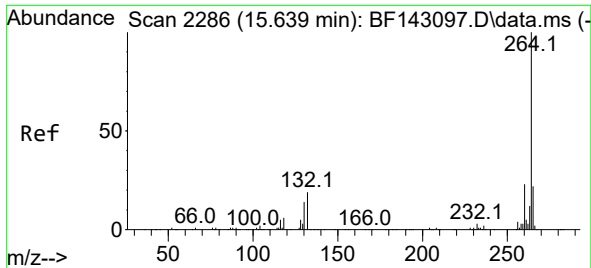
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

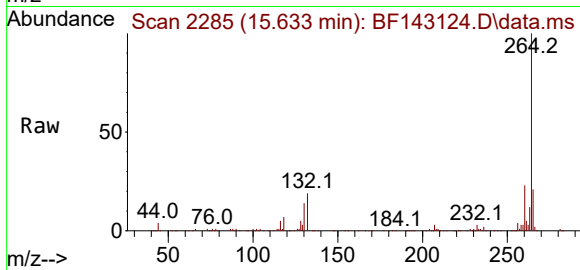
122 10.6 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143124.D
 Acq: 16 Jul 2025 23:08

Instrument :
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Tgt Ion:264 Resp: 251795
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.5 27.7
 265 21.3 17.5 26.3

