

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142043.D
 Acq On : 21 Mar 2025 21:46
 Operator : RC/JU
 Sample : Q1604-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-N45878

Quant Time: Mar 21 23:03:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

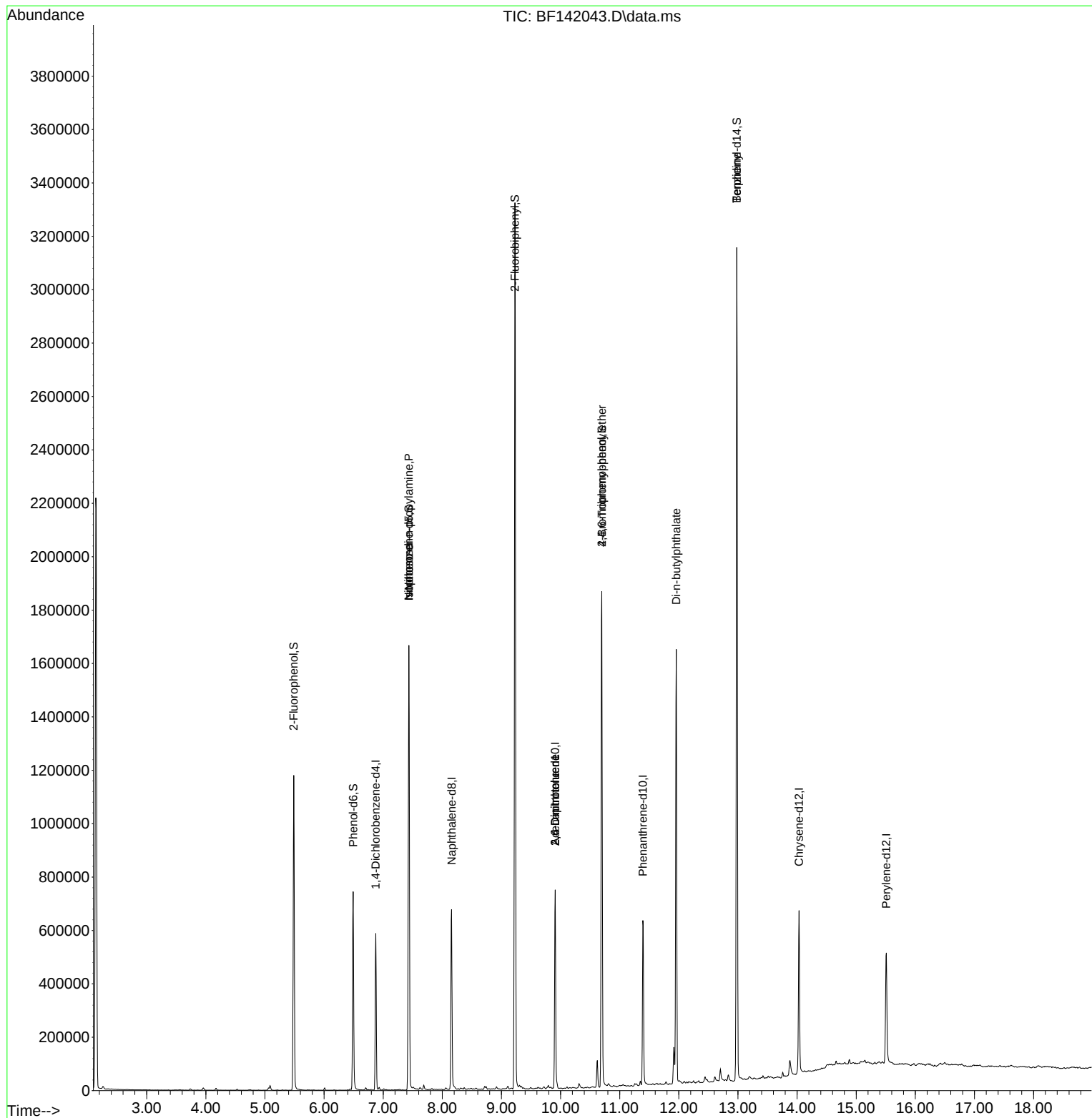
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124823	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	448692	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	223057	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	331910	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	303303	20.000	ng	0.00
86) Perylene-d12	15.509	264	266709	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	447262	59.802	ng	0.00
7) Phenol-d6	6.492	99	344445	36.172	ng	-0.01
23) Nitrobenzene-d5	7.434	82	770636	96.655	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	351039	124.052	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1466310	99.974	ng	-0.01
79) Terphenyl-d14	12.980	244	1587313	77.374	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	107112	17.505	ng	# 78
25) Isophorone	7.434	82	757497	53.747	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	29574	9.093	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	29574	6.962	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	21599	5.182	ng	# 1
74) Di-n-butylphthalate	11.957	149	1167291	56.715	ng	99
77) Benzidine	12.980	184	21114	4.990	ng	# 89

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

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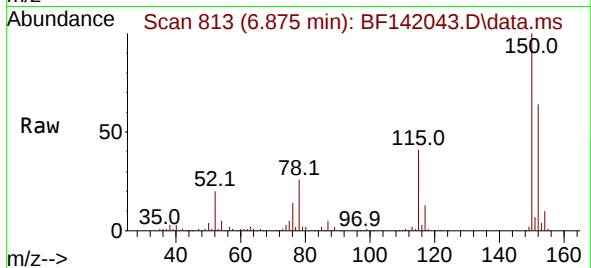
Quant Time: Mar 21 23:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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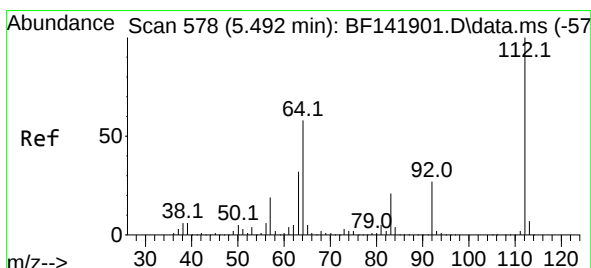
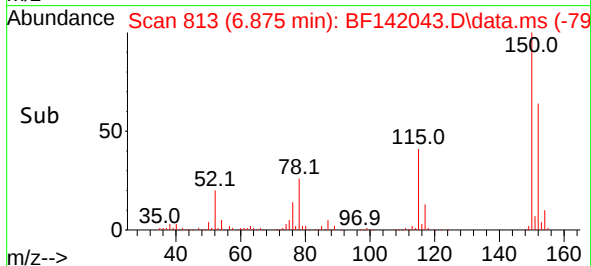
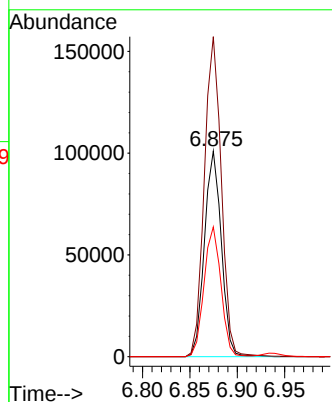


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-N45878

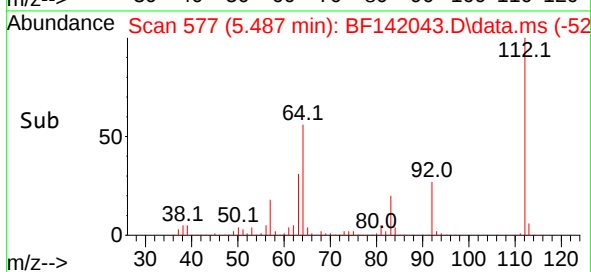
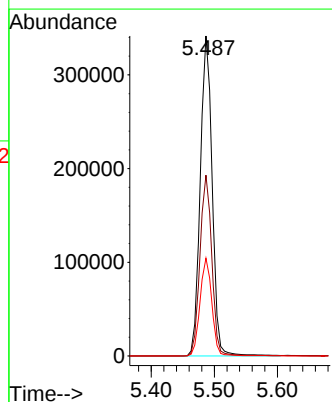
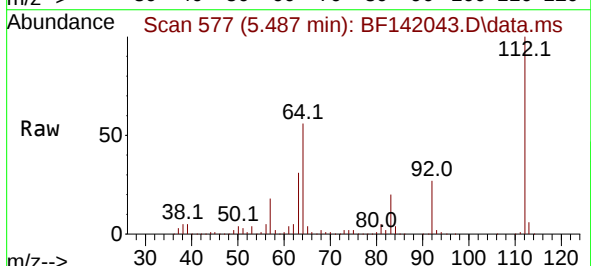


Tgt Ion:152 Resp: 124823
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.2
115 63.2 51.9 77.9



#5
2-Fluorophenol
Concen: 59.802 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Tgt Ion:112 Resp: 447262
Ion Ratio Lower Upper
112 100
64 56.5 46.5 69.7
63 30.5 25.4 38.2

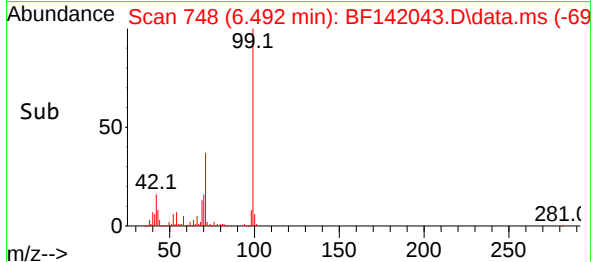
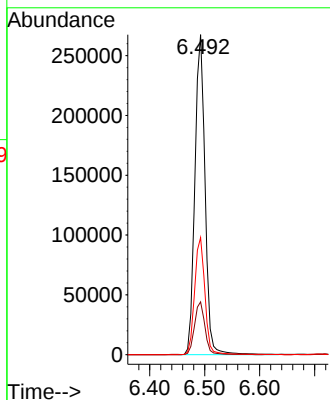
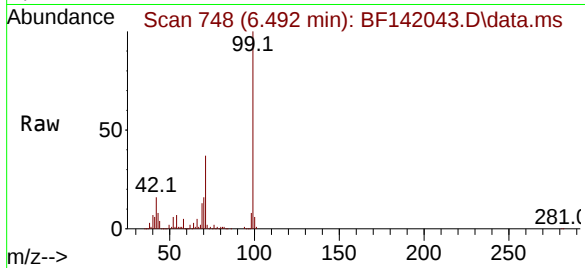




#7
Phenol-d6
Concen: 36.172 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

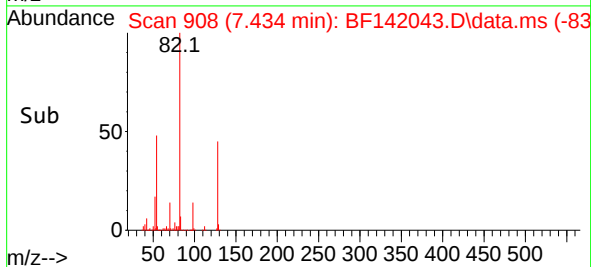
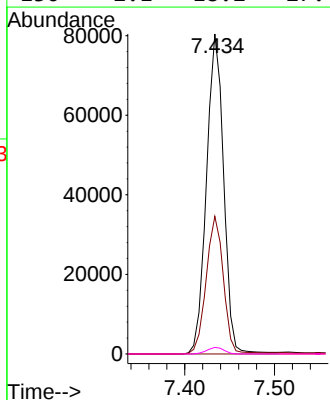
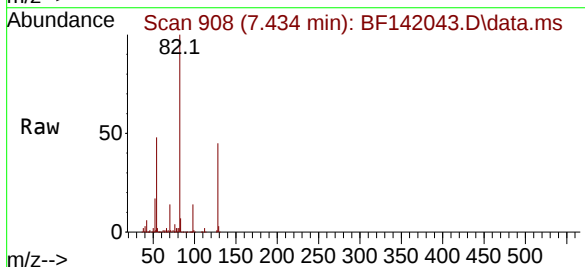
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-N45878

Tgt Ion: 99 Resp: 344445
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 36.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.505 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Tgt Ion: 70 Resp: 107112
Ion Ratio Lower Upper
70 100
42 43.0 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



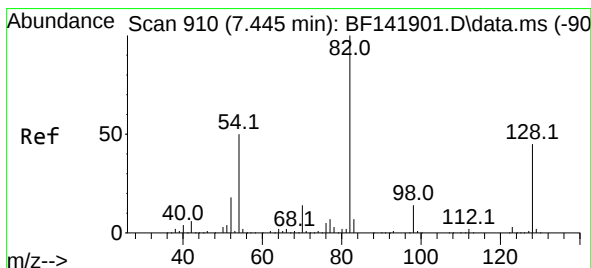
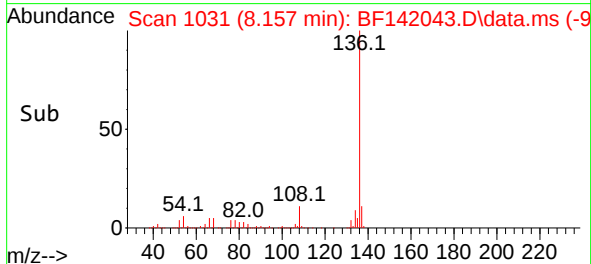
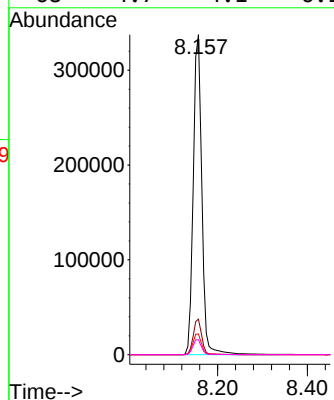
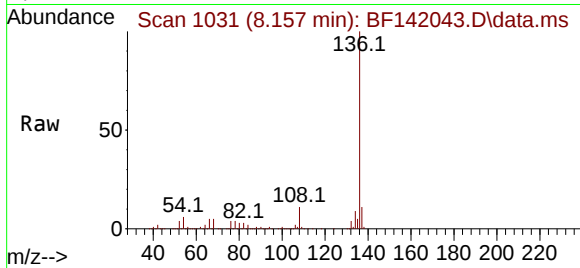


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-N45878

Tgt Ion:136 Resp: 448692

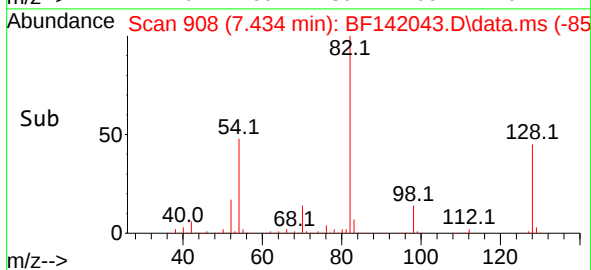
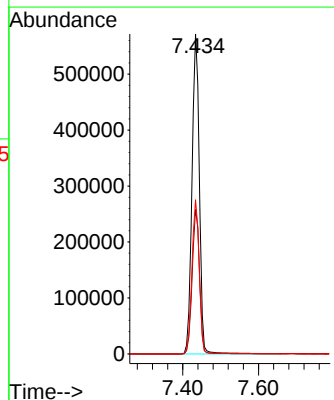
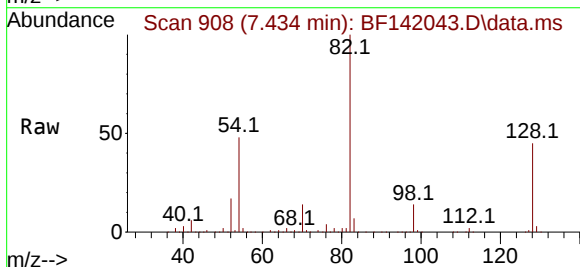
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.5	5.8	8.8
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 96.655 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Tgt Ion: 82 Resp: 770636

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	48.2	39.6	59.4

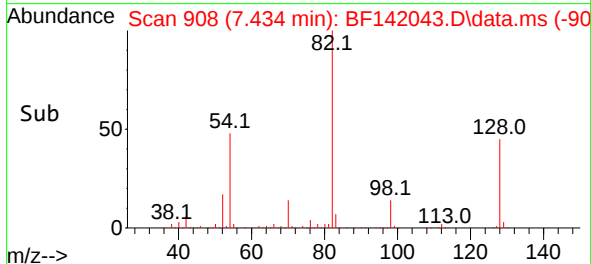
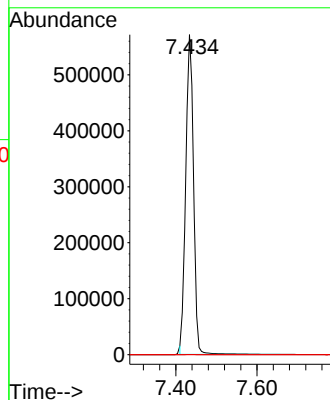
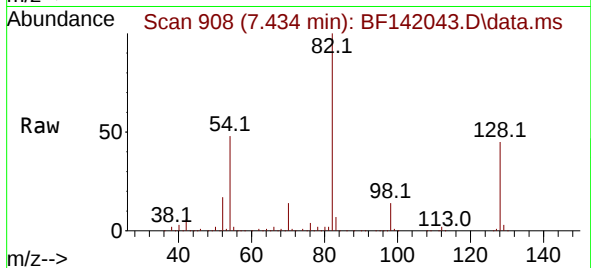




#25
Isophorone
Concen: 53.747 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

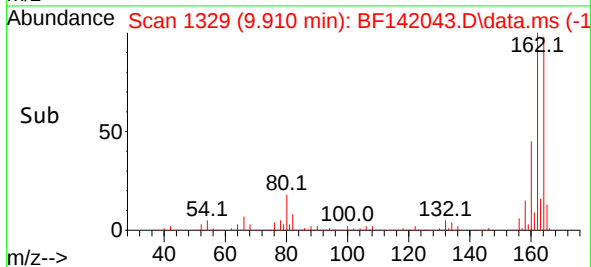
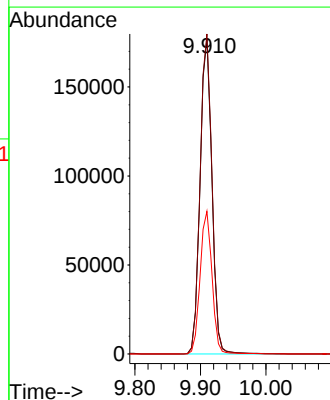
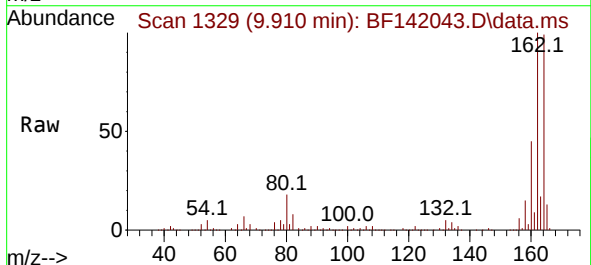
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-N45878

Tgt Ion: 82 Resp: 757497
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Tgt Ion:164 Resp: 223057
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.6
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 124.052 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142043.D

Acq: 21 Mar 2025 21:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-N45878

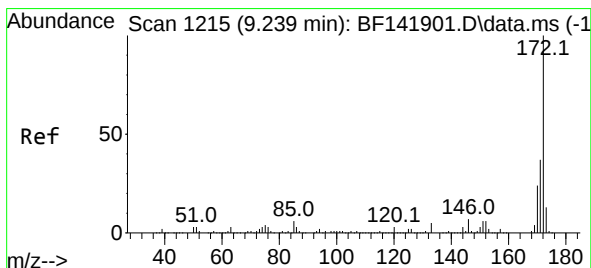
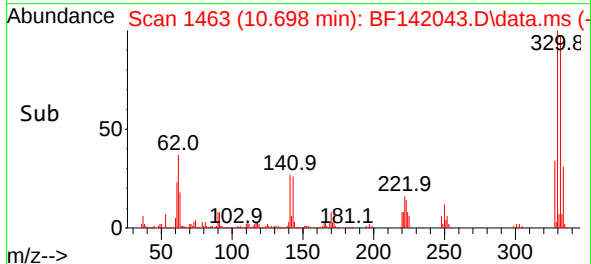
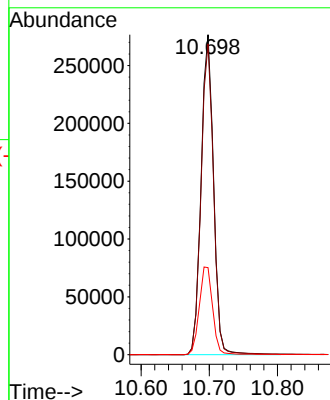
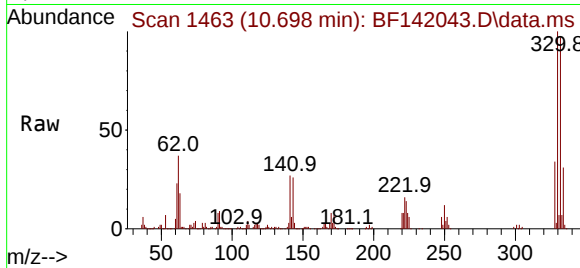
Tgt Ion:330 Resp: 351039

Ion Ratio Lower Upper

330 100

332 97.5 77.6 116.4

141 29.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 99.974 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142043.D

Acq: 21 Mar 2025 21:46

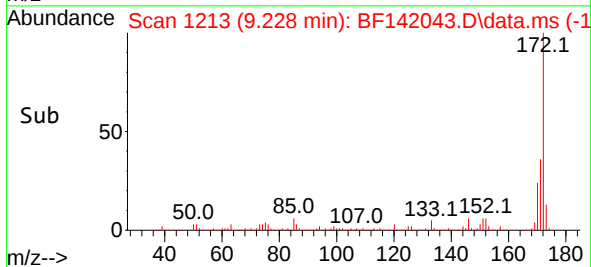
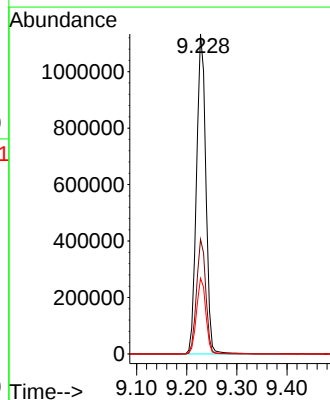
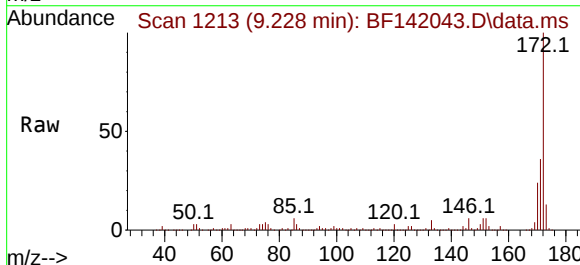
Tgt Ion:172 Resp: 1466310

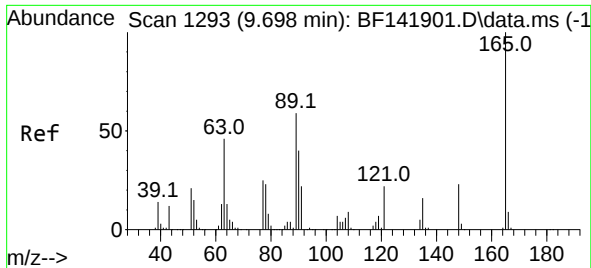
Ion Ratio Lower Upper

172 100

171 35.8 29.3 43.9

170 23.7 19.4 29.0

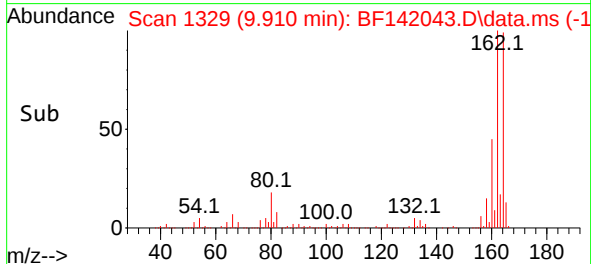
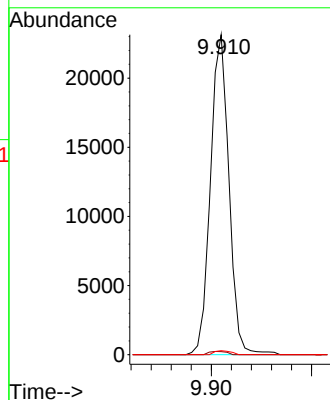
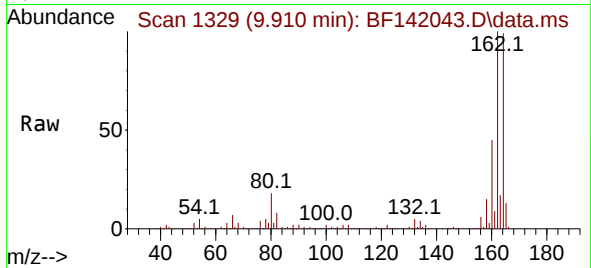




#51
2,6-Dinitrotoluene
Concen: 9.093 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

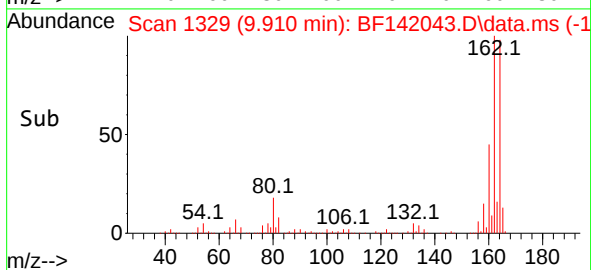
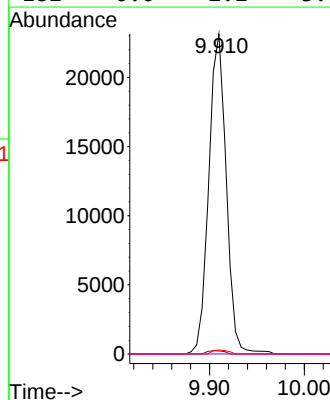
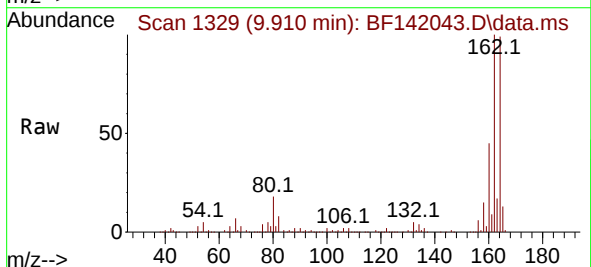
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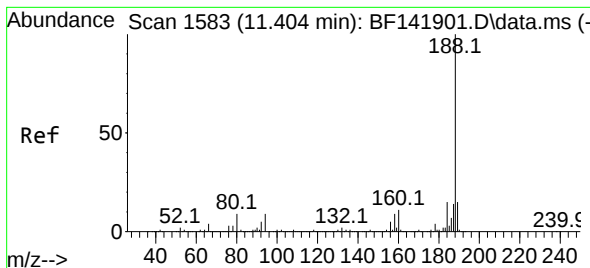
Tgt Ion:165 Resp: 29574
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.962 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Tgt Ion:165 Resp: 29574
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142043.D

Acq: 21 Mar 2025 21:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-N45878

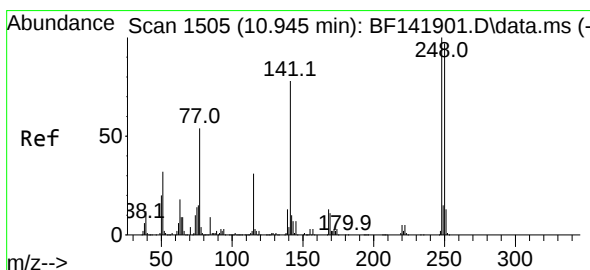
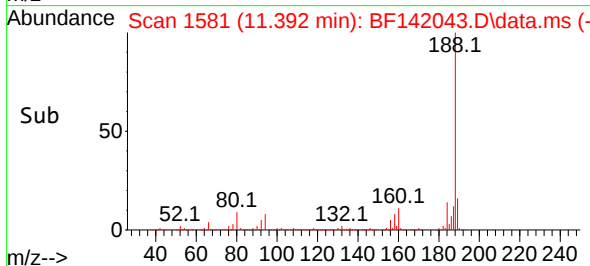
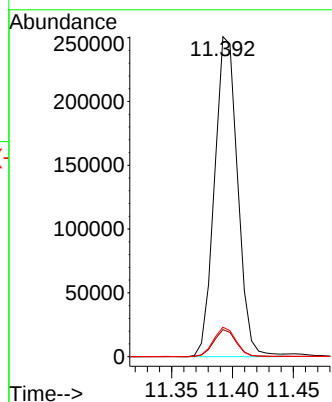
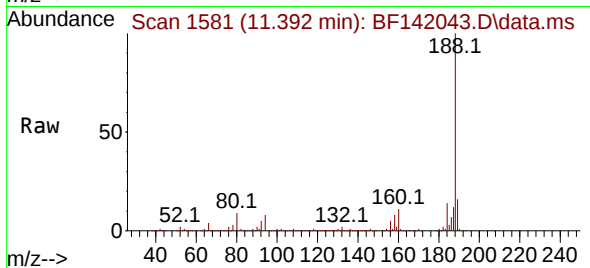
Tgt Ion:188 Resp: 331910

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.2 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.182 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142043.D

Acq: 21 Mar 2025 21:46

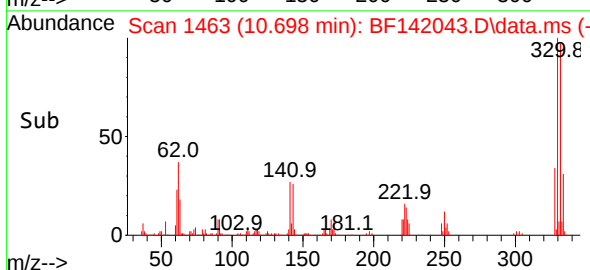
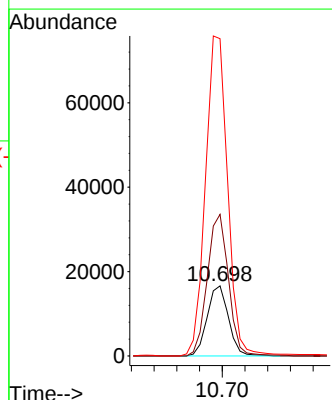
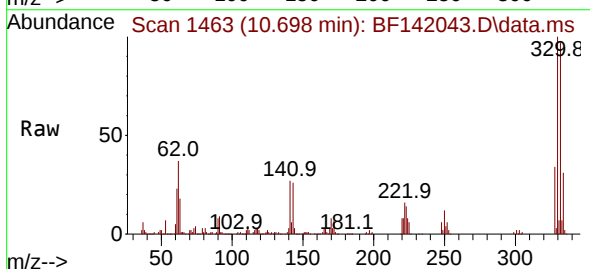
Tgt Ion:248 Resp: 21599

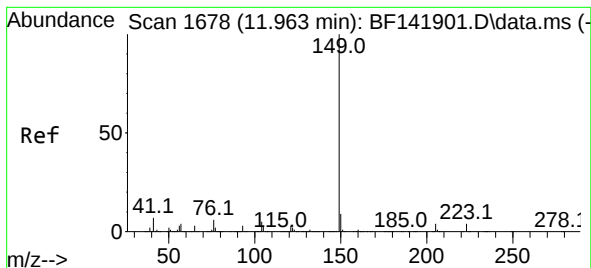
Ion Ratio Lower Upper

248 100

250 202.0 77.8 116.8#

141 452.6 62.6 93.8#





#74

Di-n-butylphthalate

Concen: 56.715 ng

RT: 11.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142043.D

Acq: 21 Mar 2025 21:46

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FRAC-TANK-N45878

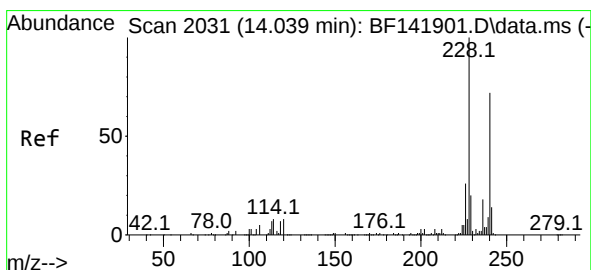
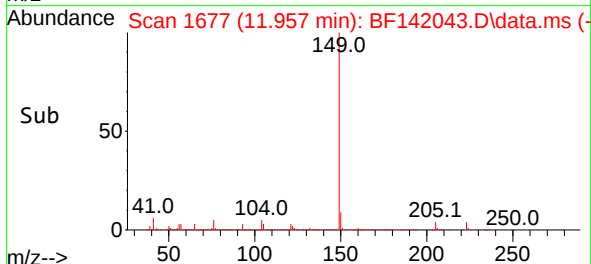
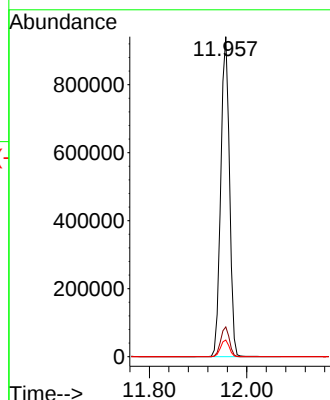
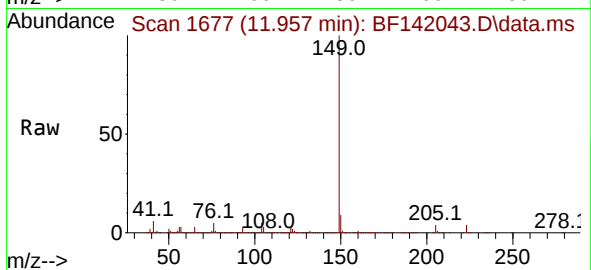
Tgt Ion:149 Resp: 1167291

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

104 5.2 4.4 6.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142043.D

Acq: 21 Mar 2025 21:46

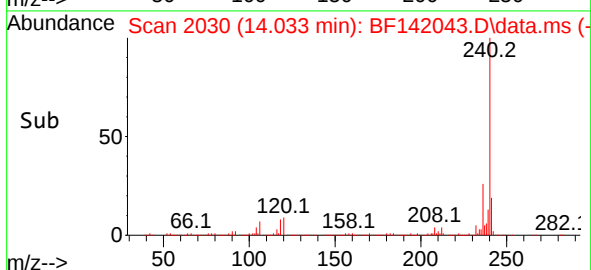
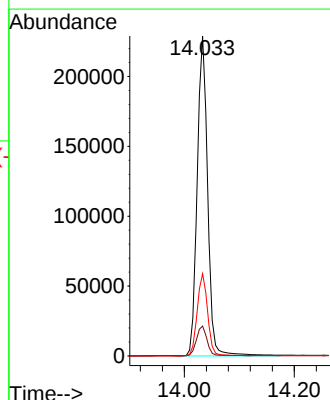
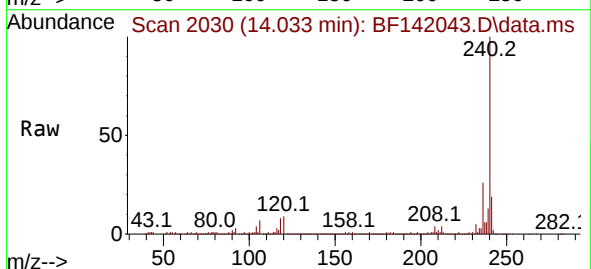
Tgt Ion:240 Resp: 303303

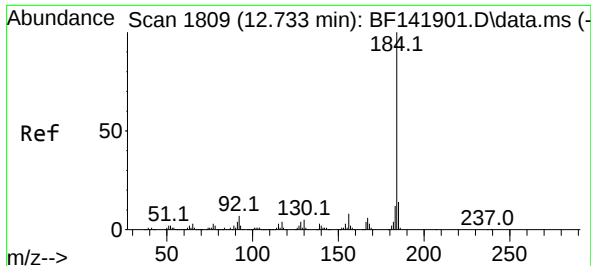
Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 25.7 20.5 30.7

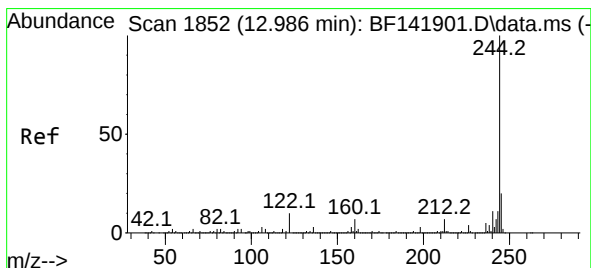
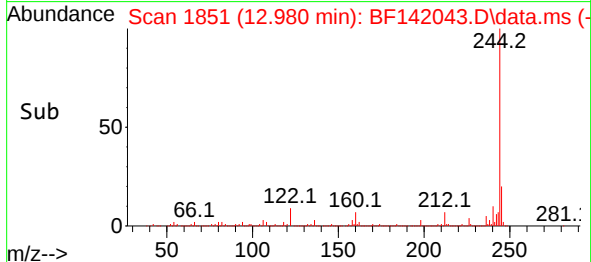
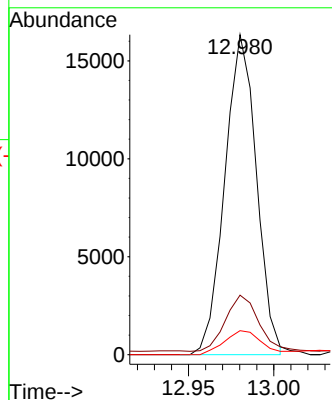
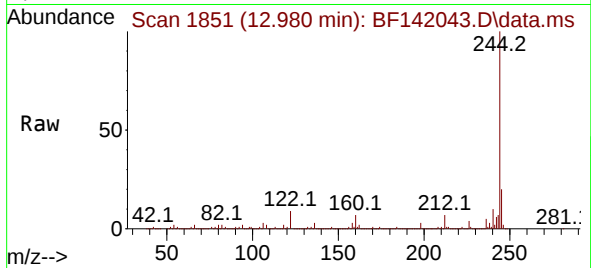




#77
Benzidine
Concen: 4.990 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

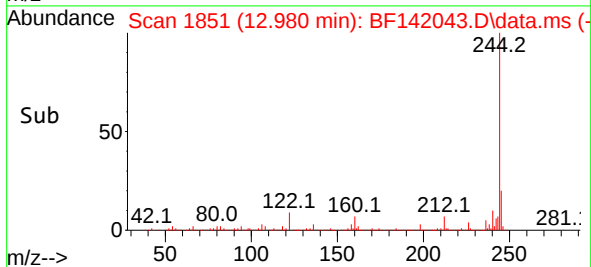
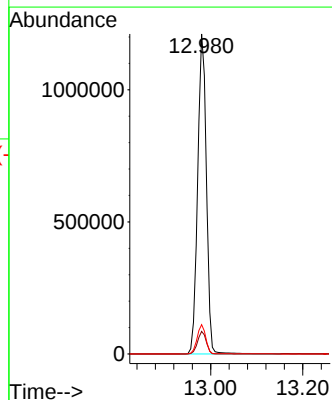
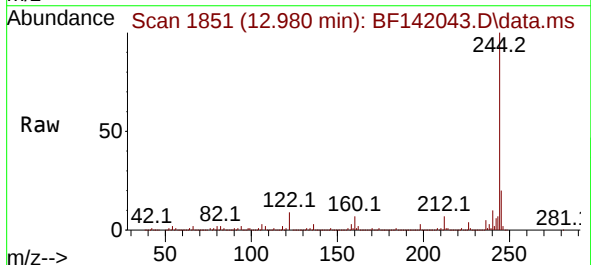
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-N45878

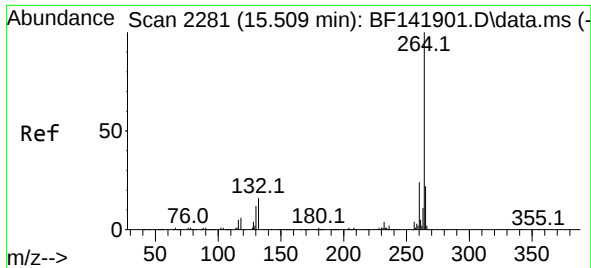
Tgt Ion:184 Resp: 21114
Ion Ratio Lower Upper
184 100
185 18.6 11.5 17.3#
183 7.5 9.7 14.5#



#79
Terphenyl-d14
Concen: 77.374 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142043.D
Acq: 21 Mar 2025 21:46

Tgt Ion:244 Resp: 1587313
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.1 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142043.D
 Acq: 21 Mar 2025 21:46

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-N45878

Tgt Ion:264 Resp: 266709
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.6 17.5 26.3

