

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142027.D
 Acq On : 21 Mar 2025 13:52
 Operator : RC/JU
 Sample : Q1619-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-2

Quant Time: Mar 21 14:19:50 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)

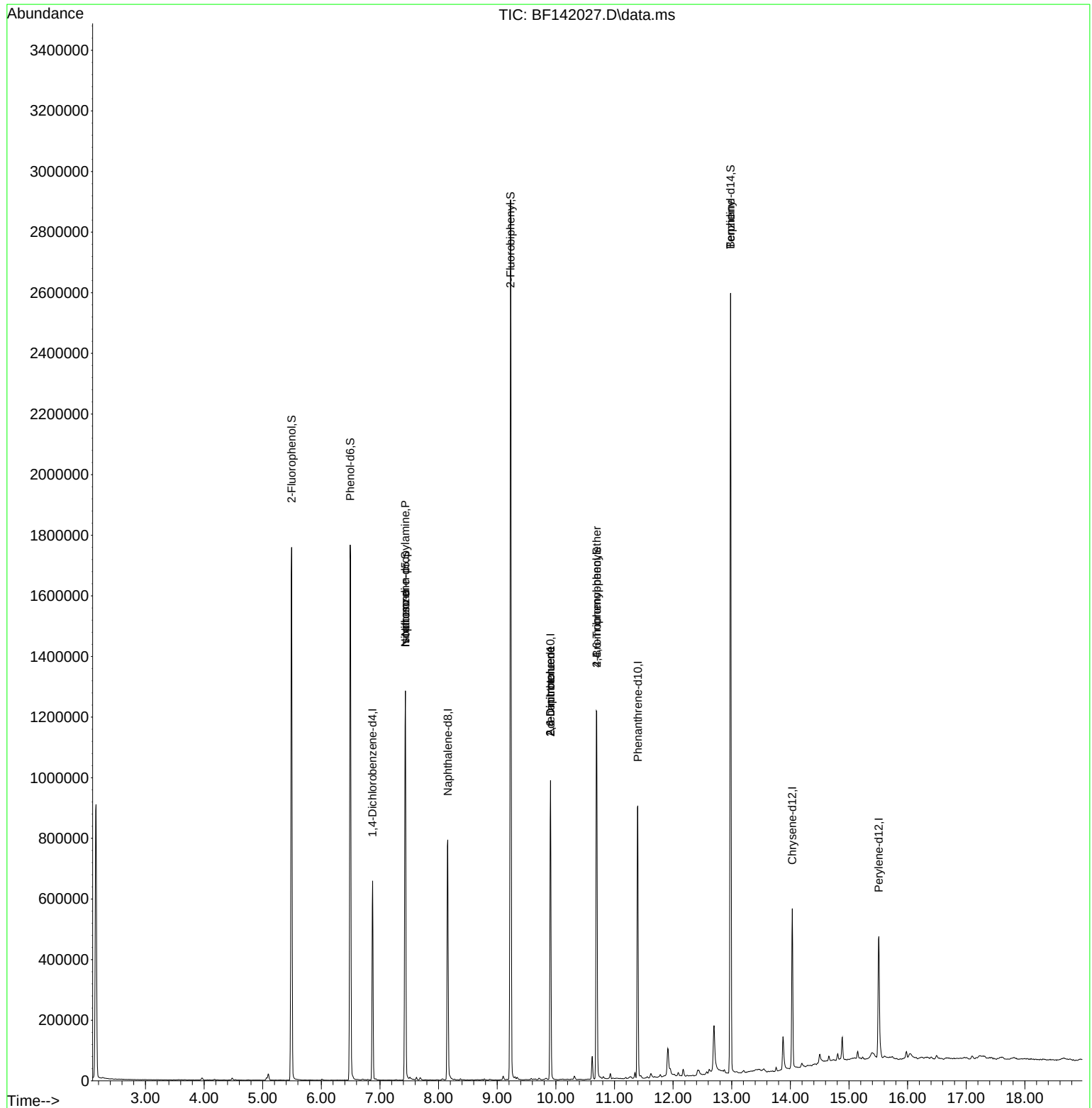
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	139923	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	536293	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	294543	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	481321	20.000	ng	0.00
76) Chrysene-d12	14.033	240	263681	20.000	ng	0.00
86) Perylene-d12	15.509	264	262851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	689089	82.192	ng	0.00
7) Phenol-d6	6.492	99	873433	81.824	ng	-0.01
23) Nitrobenzene-d5	7.434	82	592248	62.148	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	233151	62.395	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1265093	65.320	ng	-0.01
79) Terphenyl-d14	12.980	244	1262541	70.790	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	79820	11.637	ng	# 77
25) Isophorone	7.434	82	580533	34.463	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	38063	8.863	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	38063	6.786	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	14452	2.391	ng	# 1
77) Benzidine	12.980	184	17407	4.732	ng	# 89

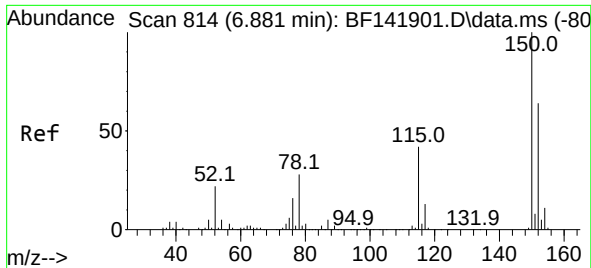
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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Response via : Initial Calibration

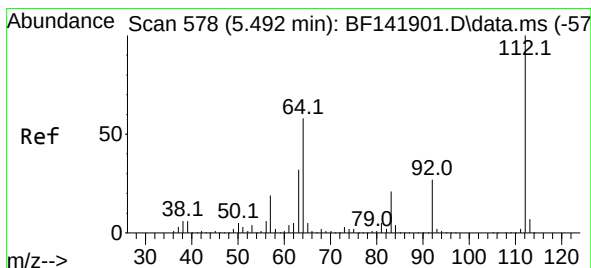
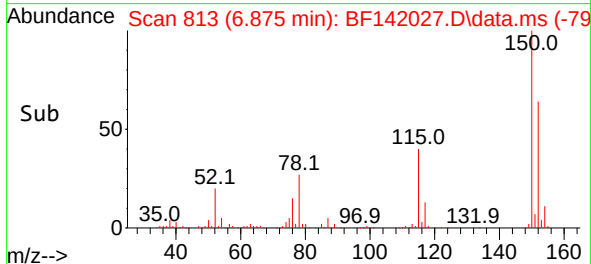
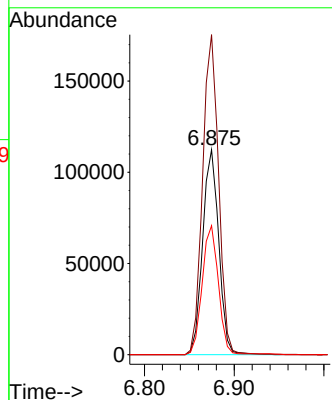
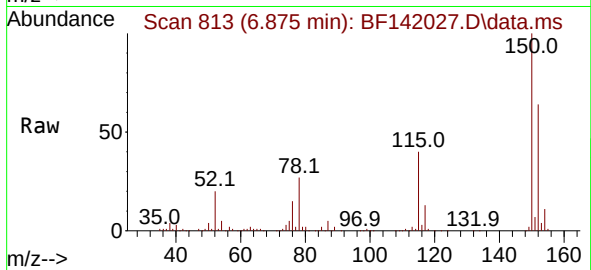




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

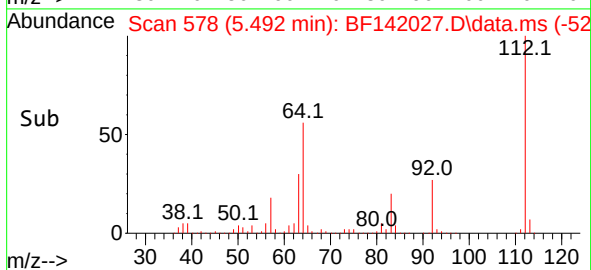
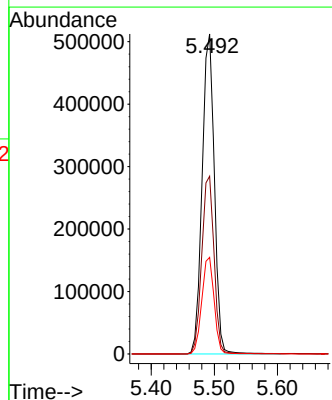
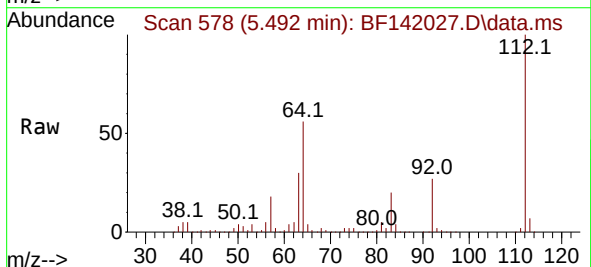
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

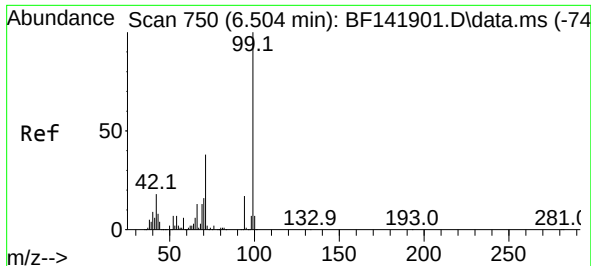
Tgt Ion:152 Resp: 139923
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.2
115 63.0 51.9 77.9



#5
2-Fluorophenol
Concen: 82.192 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

Tgt Ion:112 Resp: 689089
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.2 25.4 38.2

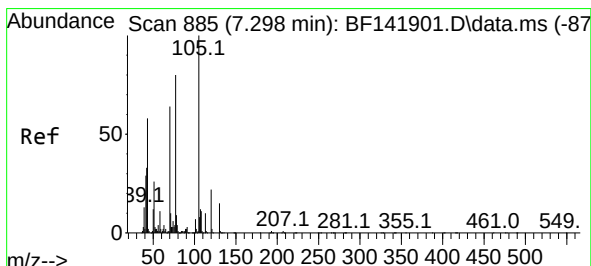
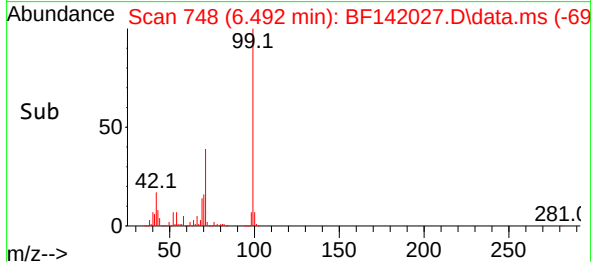
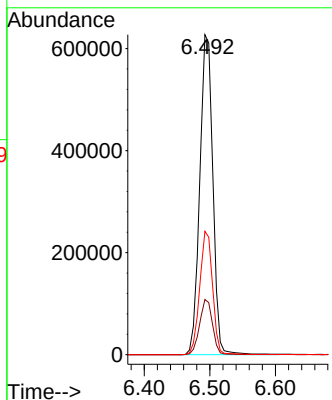
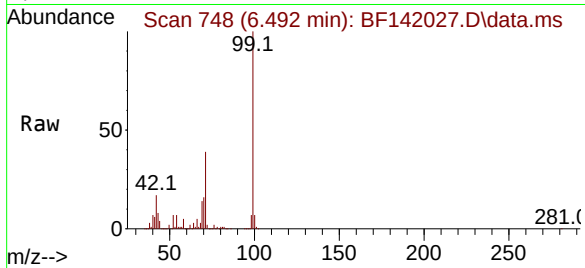




#7
Phenol-d6
Concen: 81.824 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

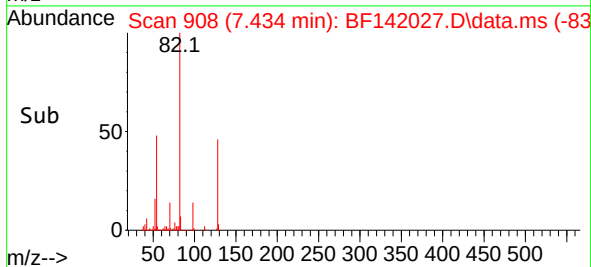
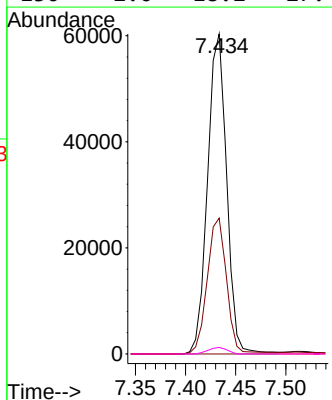
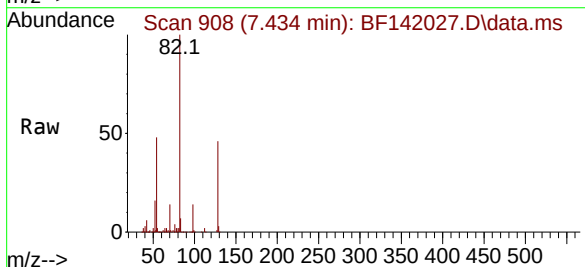
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

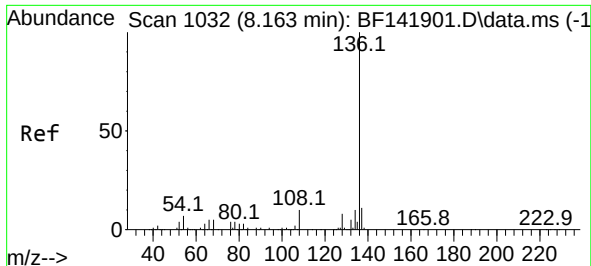
Tgt Ion: 99 Resp: 873433
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 38.5 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.637 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 70 Resp: 79820
Ion Ratio Lower Upper
70 100
42 42.5 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#

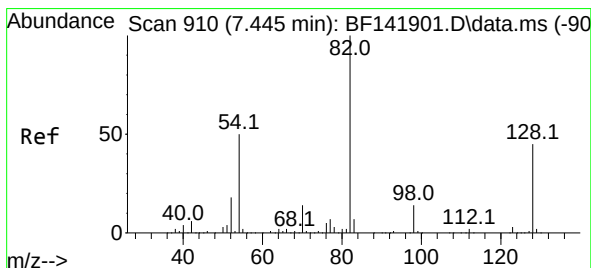
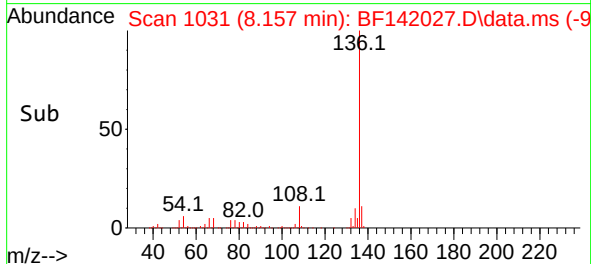
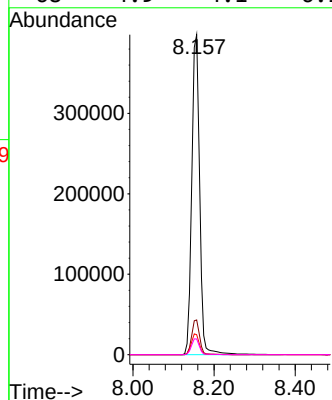
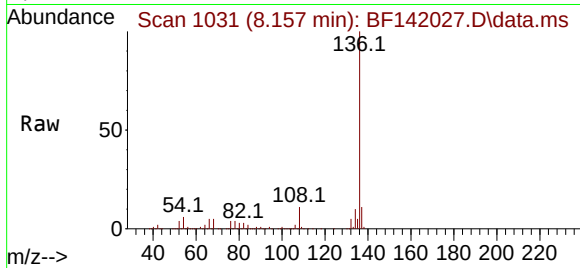




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

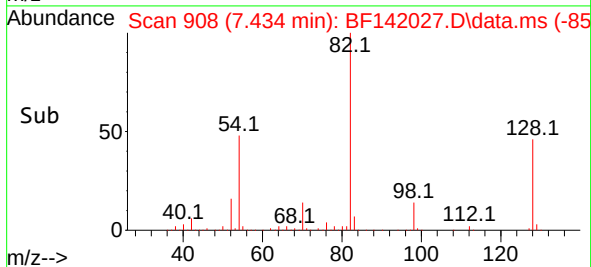
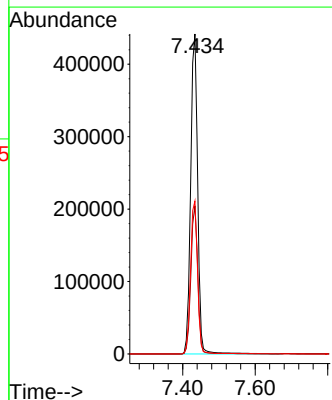
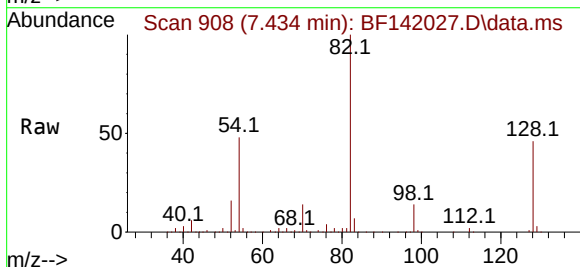
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

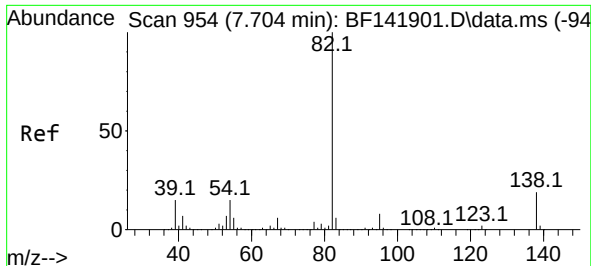
Tgt Ion:136 Resp: 536293
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.3 5.8 8.8
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 62.148 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 82 Resp: 592248
Ion Ratio Lower Upper
82 100
128 46.3 36.0 54.0
54 47.7 39.6 59.4

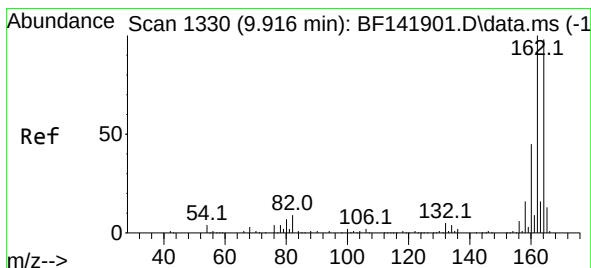
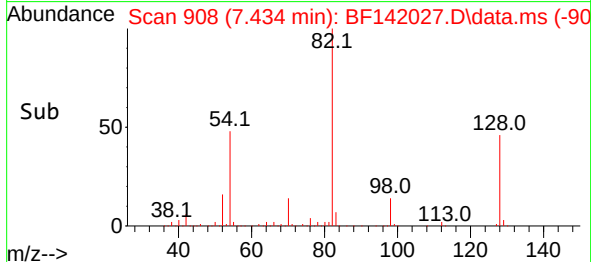
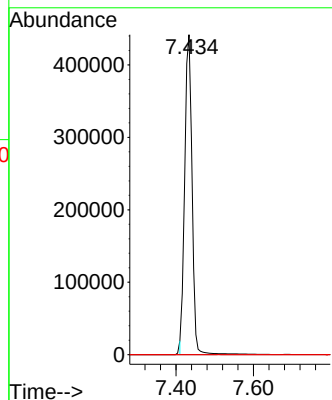
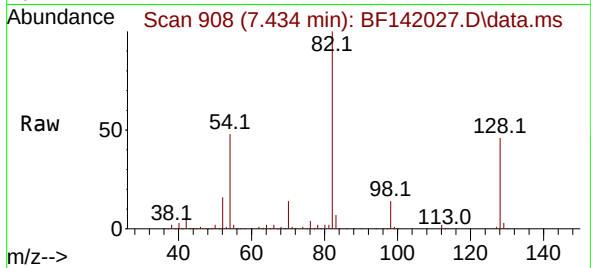




#25
Isophorone
Concen: 34.463 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

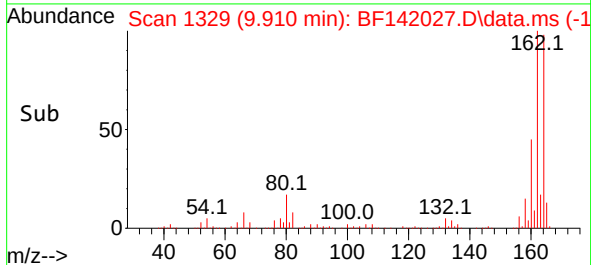
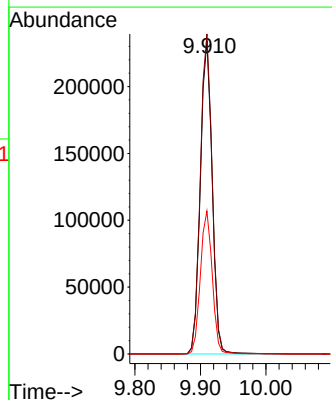
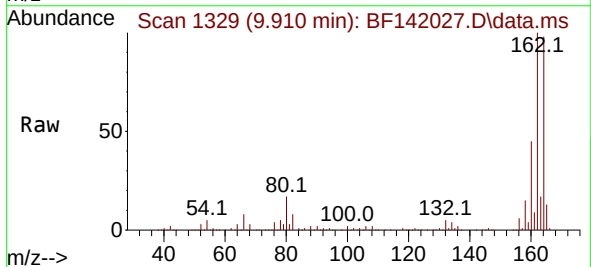
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

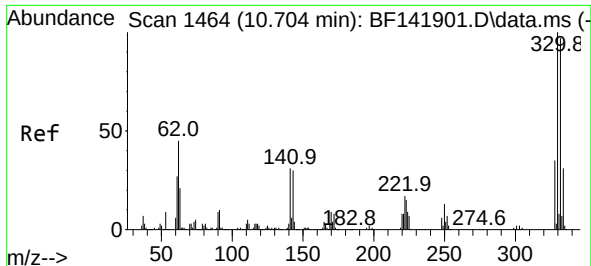
Tgt Ion: 82 Resp: 580533
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

Tgt Ion:164 Resp: 294543
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 62.395 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142027.D

Acq: 21 Mar 2025 13:52

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

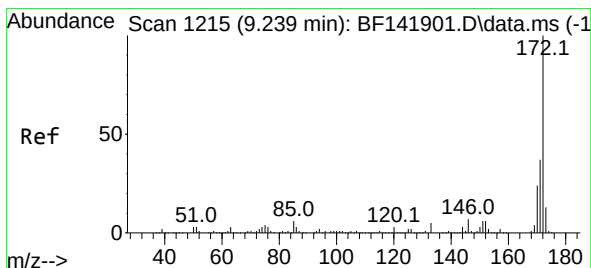
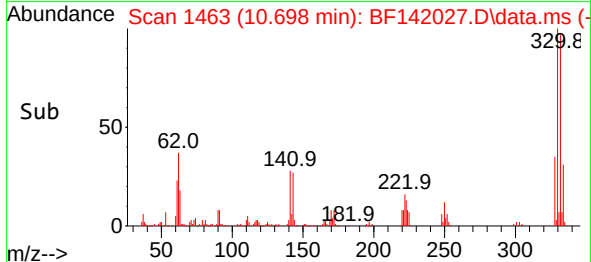
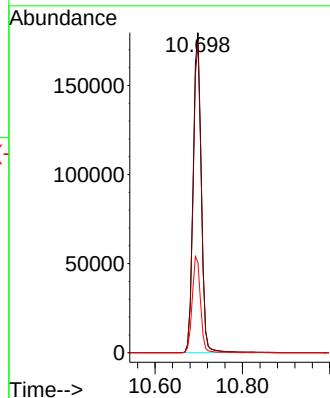
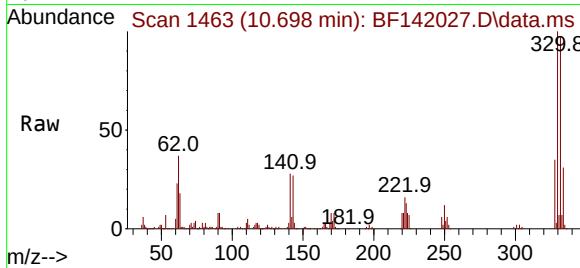
Tgt Ion:330 Resp: 233151

Ion Ratio Lower Upper

330 100

332 96.3 77.6 116.4

141 30.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 65.320 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142027.D

Acq: 21 Mar 2025 13:52

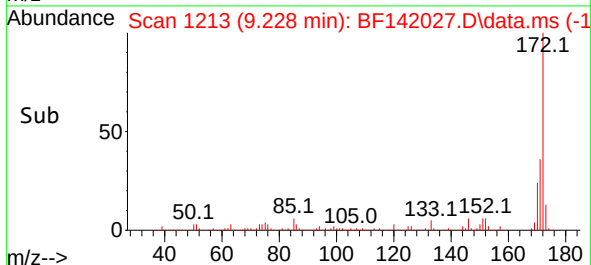
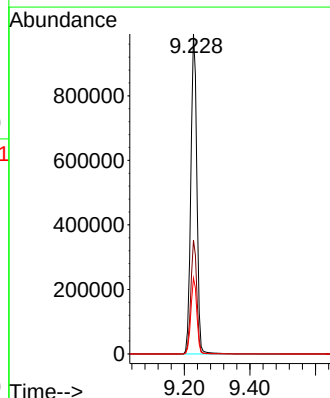
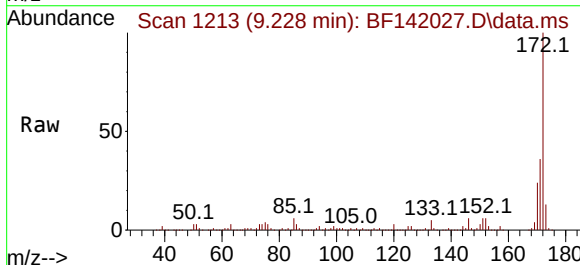
Tgt Ion:172 Resp: 1265093

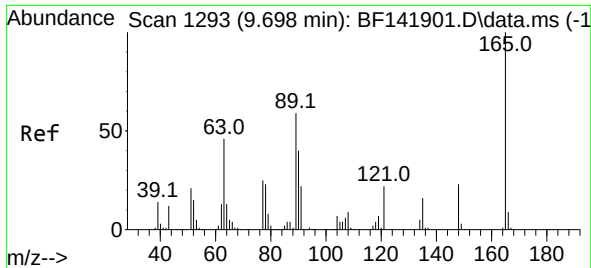
Ion Ratio Lower Upper

172 100

171 35.5 29.3 43.9

170 23.7 19.4 29.0

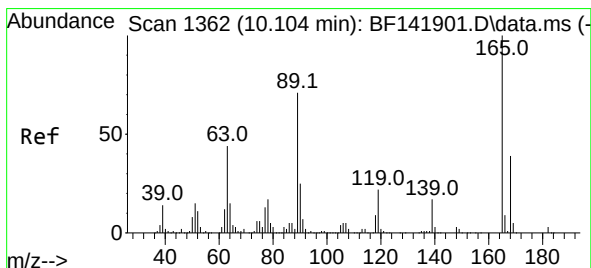
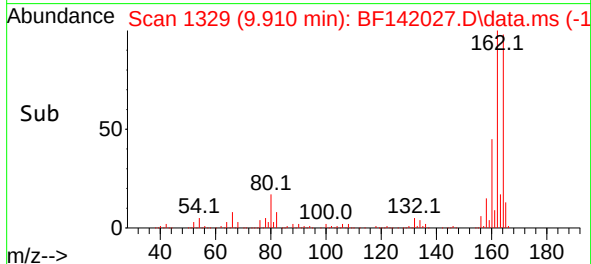
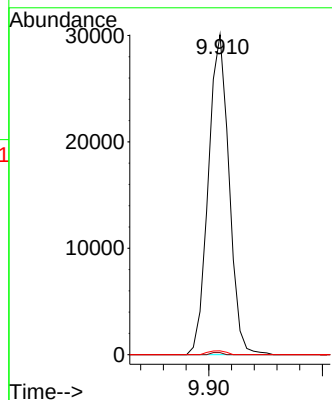
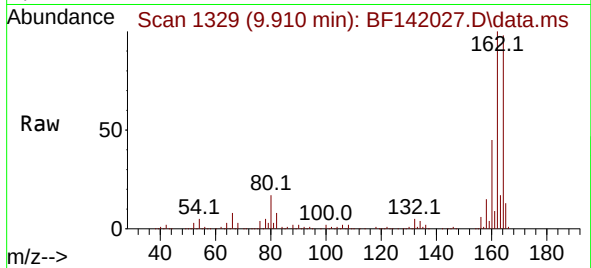




#51
2,6-Dinitrotoluene
Concen: 8.863 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

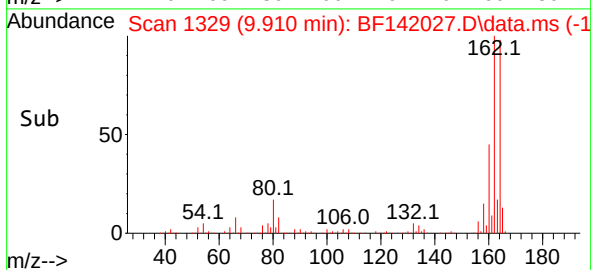
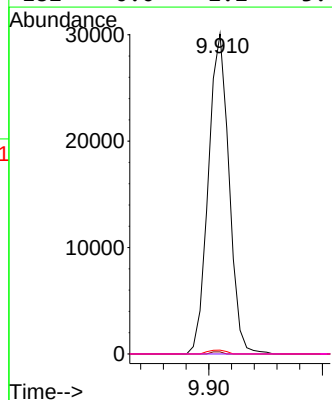
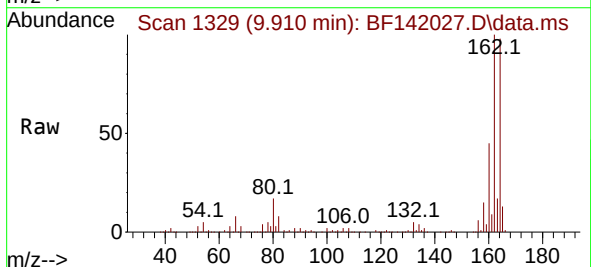
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

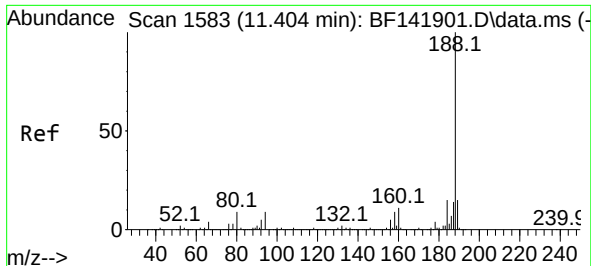
Tgt Ion:165 Resp: 38063
Ion Ratio Lower Upper
165 100
63 0.7 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.786 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

Tgt Ion:165 Resp: 38063
Ion Ratio Lower Upper
165 100
63 0.7 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

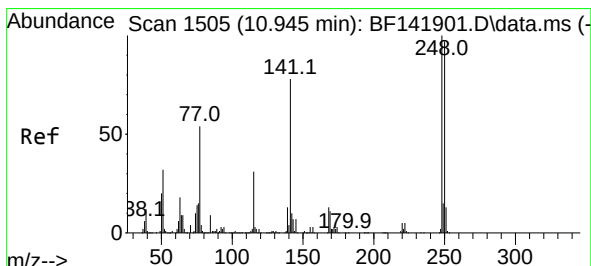
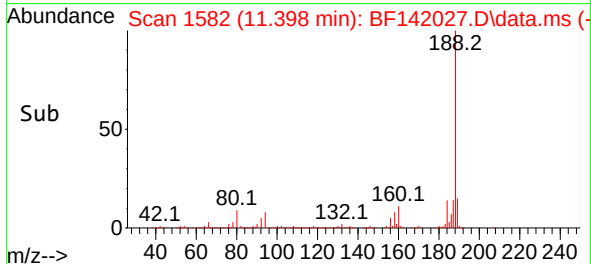
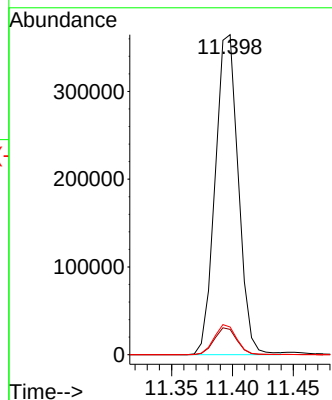
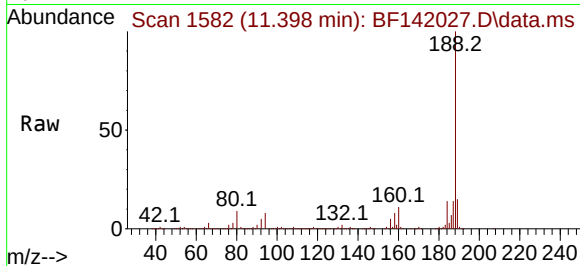




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

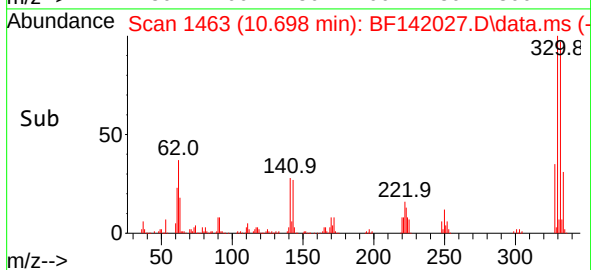
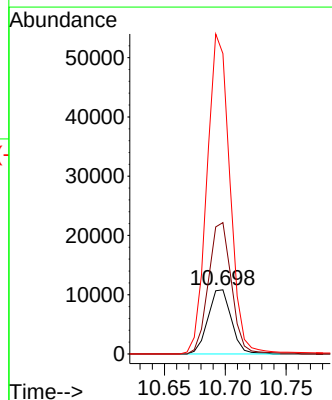
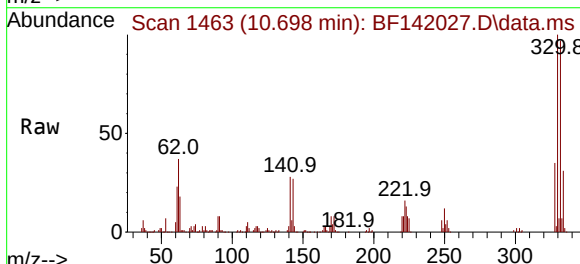
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

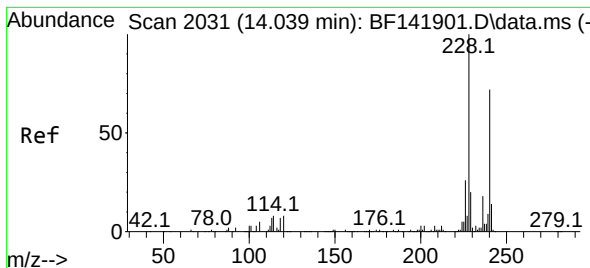
Tgt Ion:188 Resp: 481321
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 2.391 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142027.D
Acq: 21 Mar 2025 13:52

Tgt Ion:248 Resp: 14452
Ion Ratio Lower Upper
248 100
250 204.8 77.8 116.8#
141 468.4 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142027.D

Acq: 21 Mar 2025 13:52

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

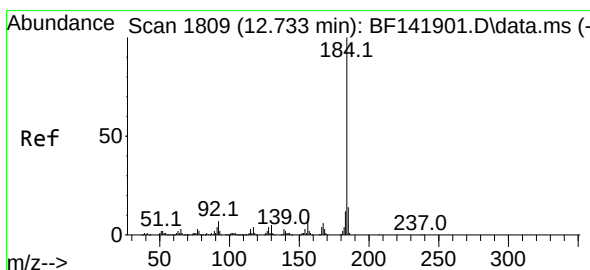
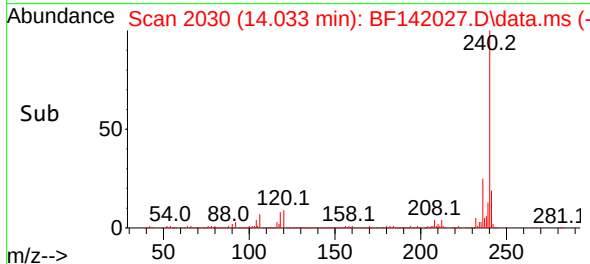
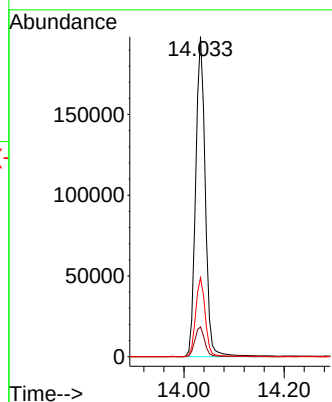
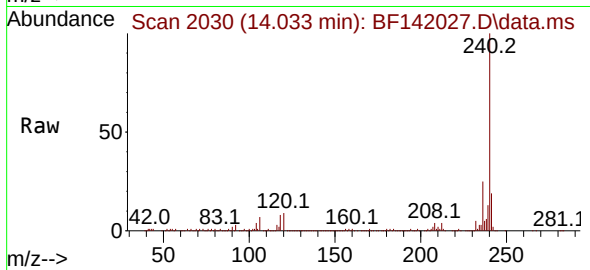
Tgt Ion:240 Resp: 263681

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 24.7 20.5 30.7



#77

Benzidine

Concen: 4.732 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142027.D

Acq: 21 Mar 2025 13:52

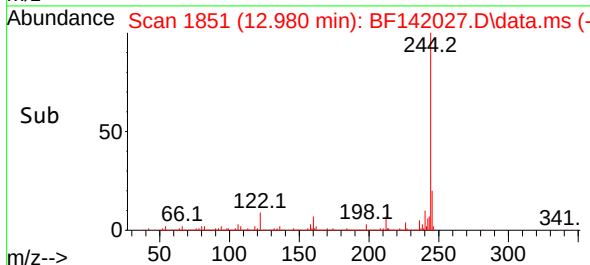
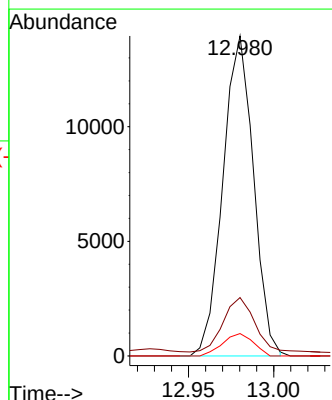
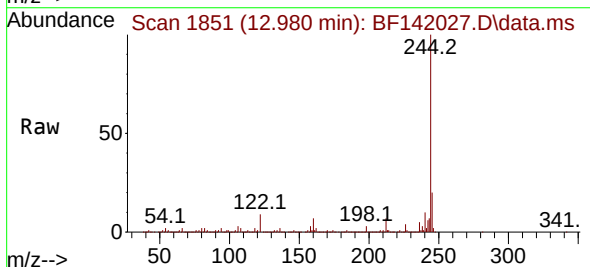
Tgt Ion:184 Resp: 17407

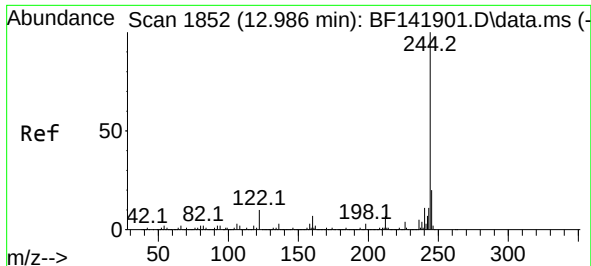
Ion Ratio Lower Upper

184 100

185 18.2 11.5 17.3#

183 7.0 9.7 14.5#

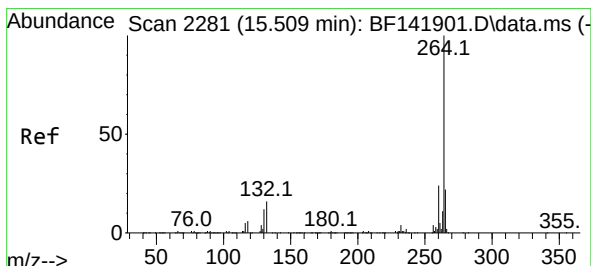
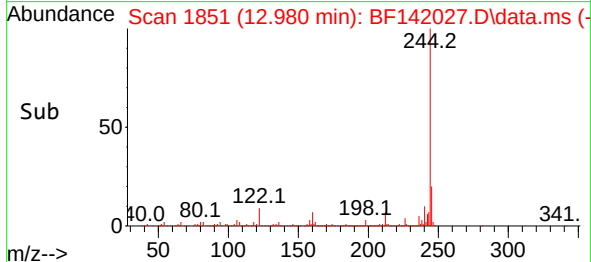
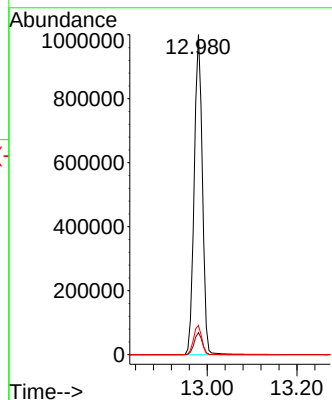
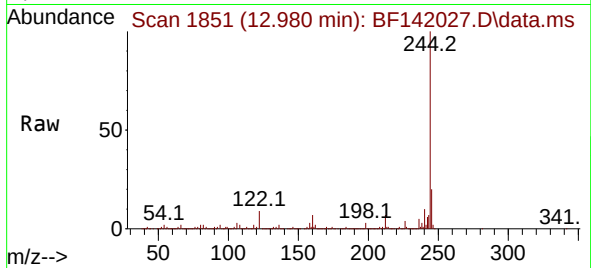




#79
 Terphenyl-d14
 Concen: 70.790 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142027.D
 Acq: 21 Mar 2025 13:52

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-2

Tgt Ion:244 Resp: 1262541
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.2 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142027.D
 Acq: 21 Mar 2025 13:52

Tgt Ion:264 Resp: 262851
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.5 17.5 26.3

