

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143816.D
 Acq On : 25 Sep 2025 21:21
 Operator : RC/JU
 Sample : Q3178-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01

Quant Time: Sep 25 23:25:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

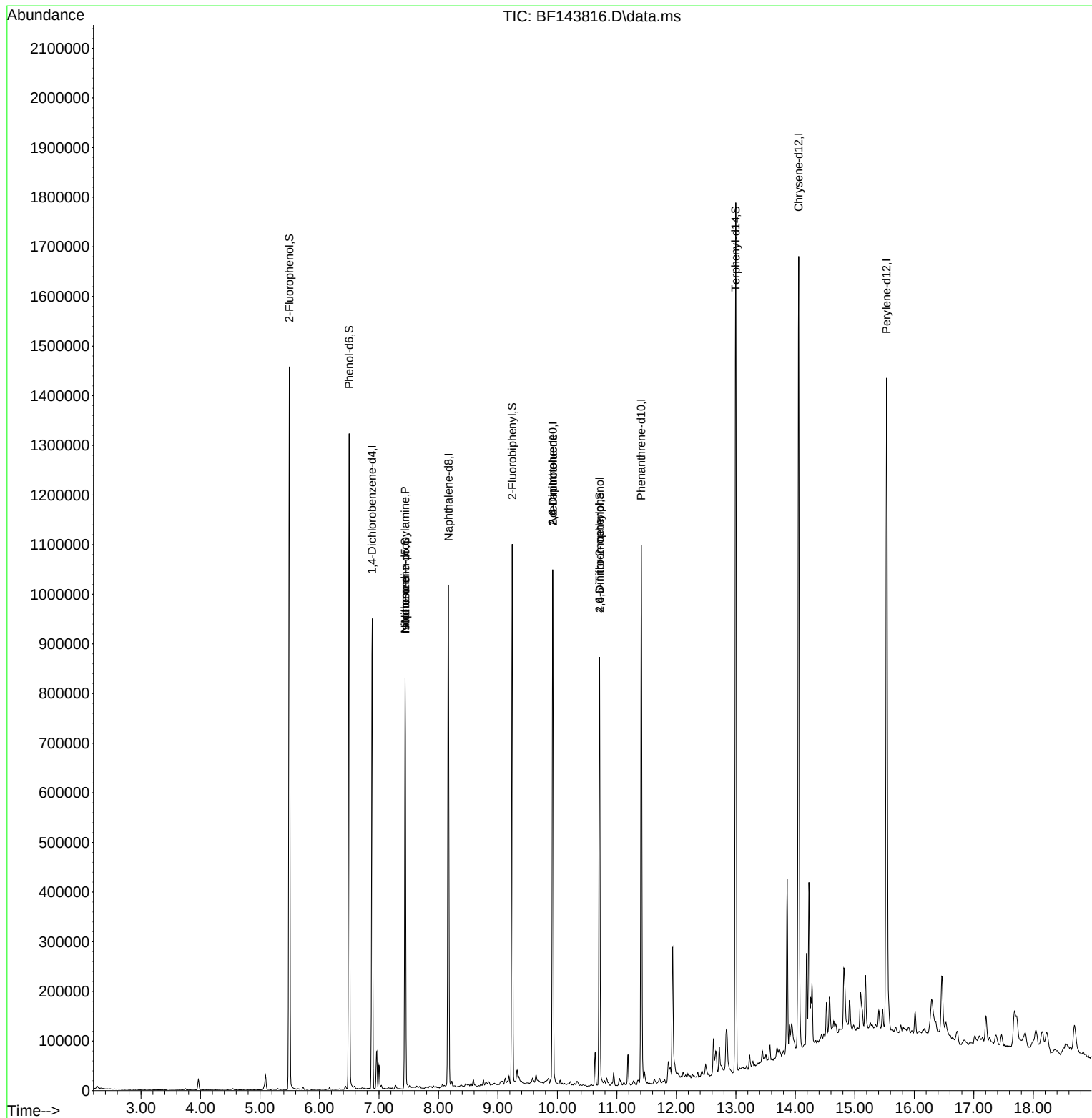
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	191341	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	623340	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	300615	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	551506	20.000	ng	0.00
76) Chrysene-d12	14.057	240	873424	20.000	ng	0.00
86) Perylene-d12	15.533	264	916948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	476690	40.476	ng	0.00
7) Phenol-d6	6.498	99	545797	40.110	ng	-0.01
23) Nitrobenzene-d5	7.439	82	312415	30.679	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	192287	43.200	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	467315	24.258	ng	0.00
79) Terphenyl-d14	12.998	244	952847	22.187	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	44869	5.128	ng	# 74
25) Isophorone	7.439	82	303474	15.293	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	38687	12.851	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	38687	11.051	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	240	4.297	ng	# 1

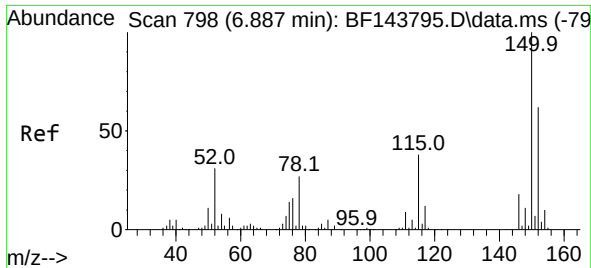
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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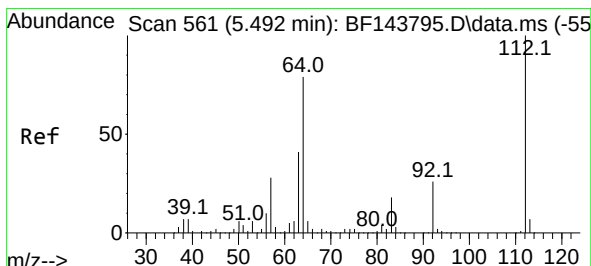
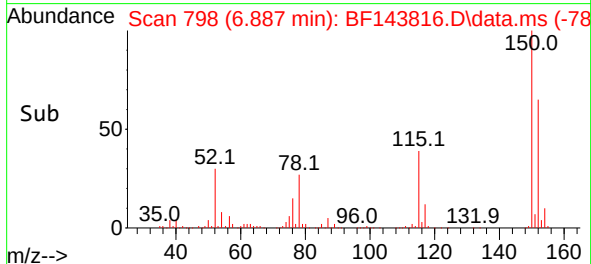
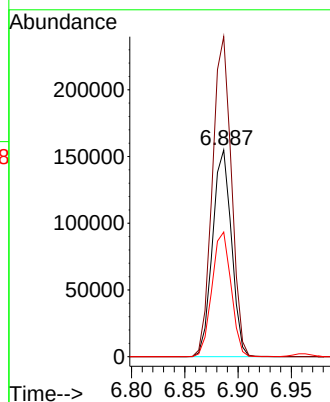
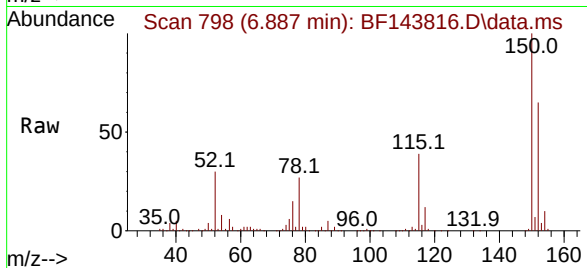




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143816.D
 Acq: 25 Sep 2025 21:21

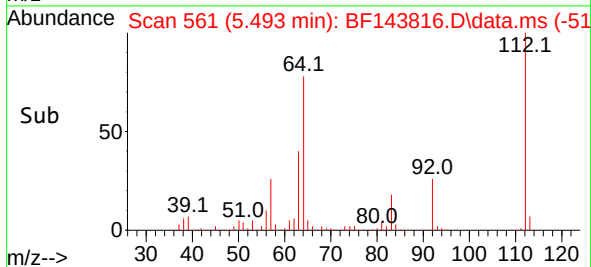
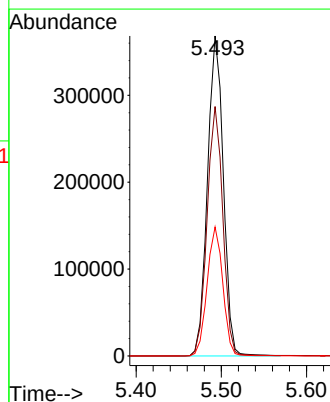
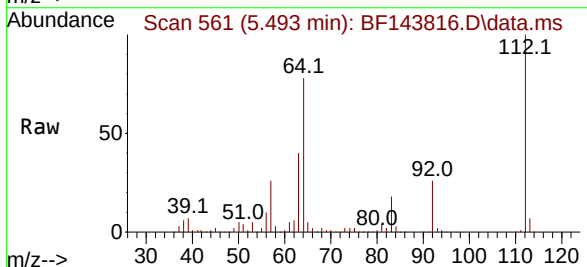
Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01

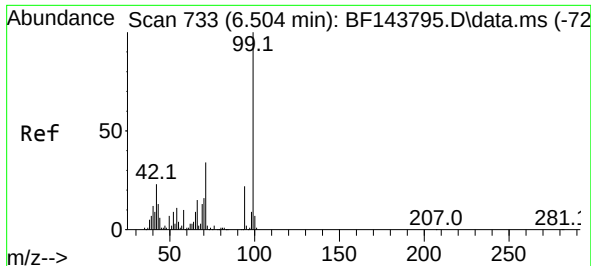
Tgt Ion:152 Resp: 191341
 Ion Ratio Lower Upper
 152 100
 150 154.8 129.6 194.4
 115 60.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 40.476 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.005 min
 Lab File: BF143816.D
 Acq: 25 Sep 2025 21:21

Tgt Ion:112 Resp: 476690
 Ion Ratio Lower Upper
 112 100
 64 78.0 63.0 94.4
 63 40.3 32.6 49.0

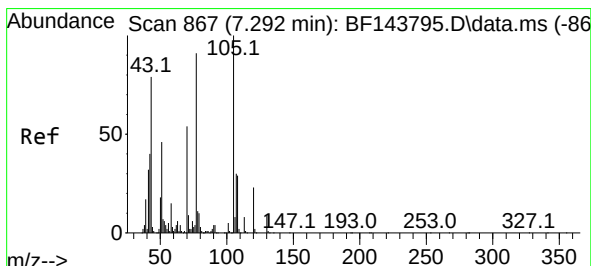
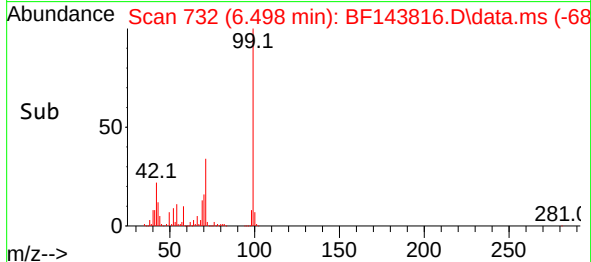
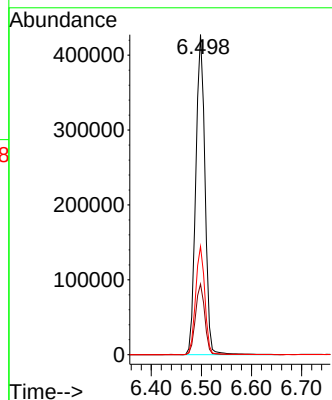
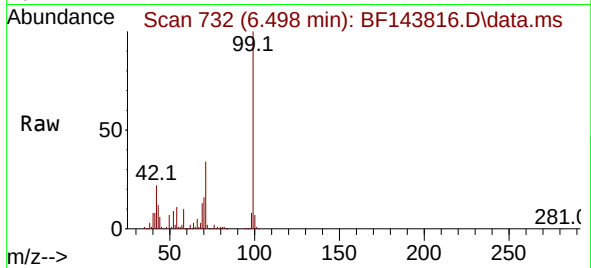




#7
Phenol-d6
Concen: 40.110 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

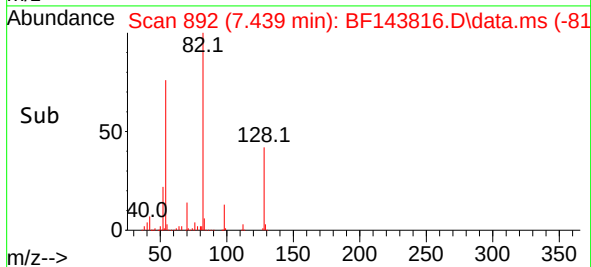
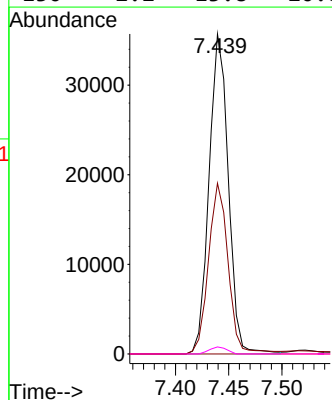
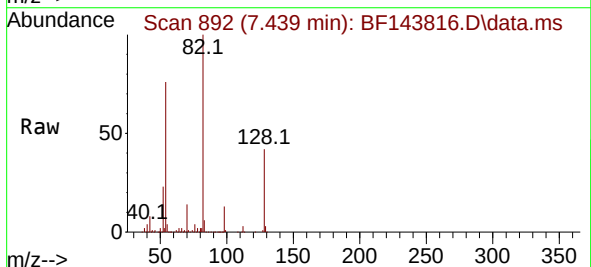
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

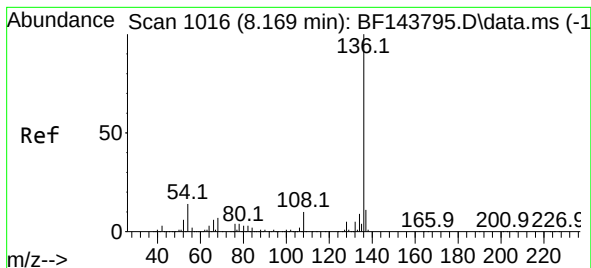
Tgt Ion: 99 Resp: 545797
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 33.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.128 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion: 70 Resp: 44869
Ion Ratio Lower Upper
70 100
42 53.4 59.4 89.0#
101 0.0 7.1 10.7#
130 2.2 13.8 20.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143816.D

Acq: 25 Sep 2025 21:21

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01

Tgt Ion:136 Resp: 623340

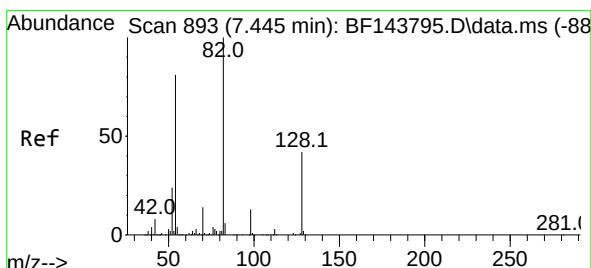
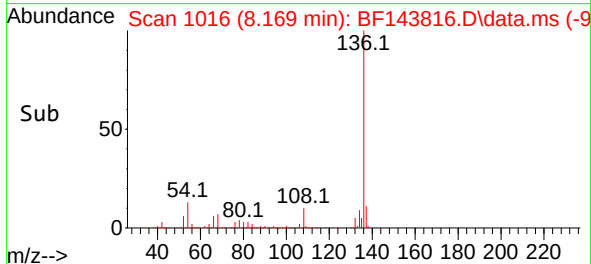
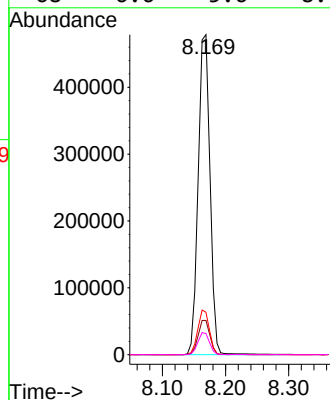
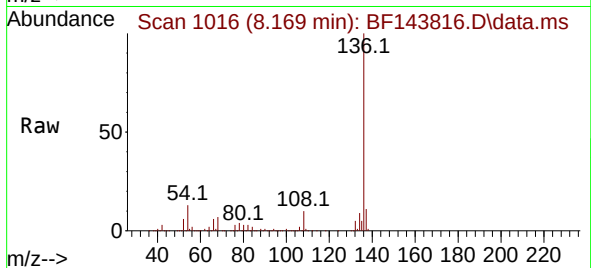
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 13.3 11.2 16.8

68 6.6 5.6 8.4



#23

Nitrobenzene-d5

Concen: 30.679 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF143816.D

Acq: 25 Sep 2025 21:21

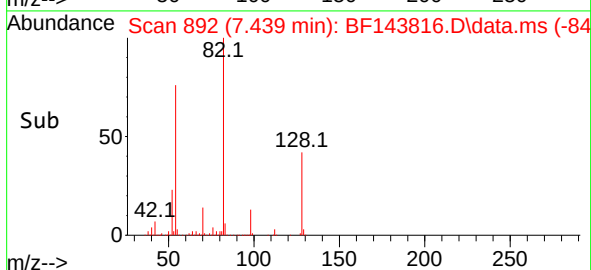
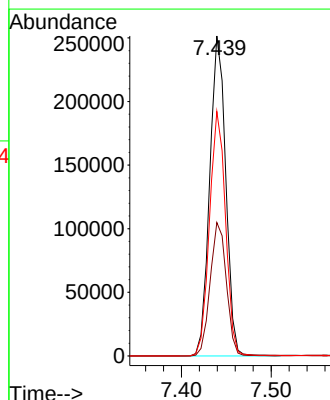
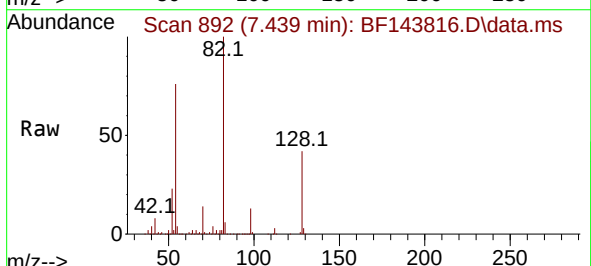
Tgt Ion: 82 Resp: 312415

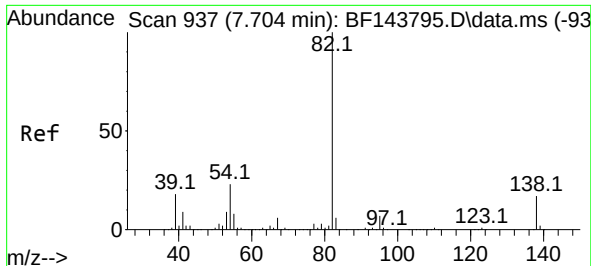
Ion Ratio Lower Upper

82 100

128 41.7 33.3 49.9

54 76.4 64.2 96.4

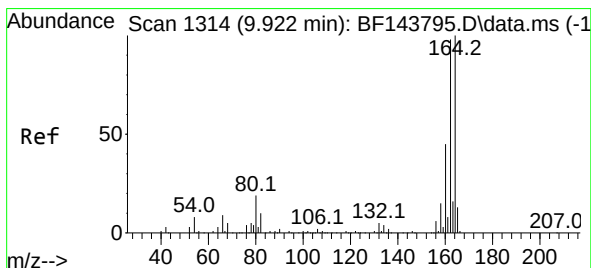
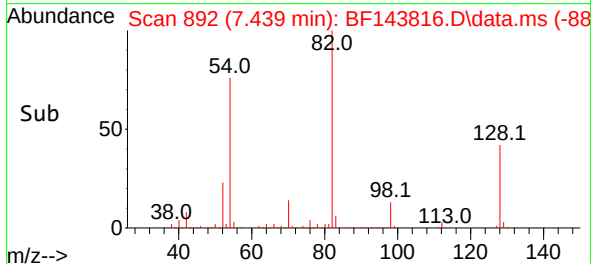
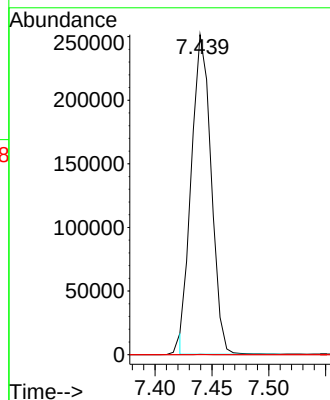
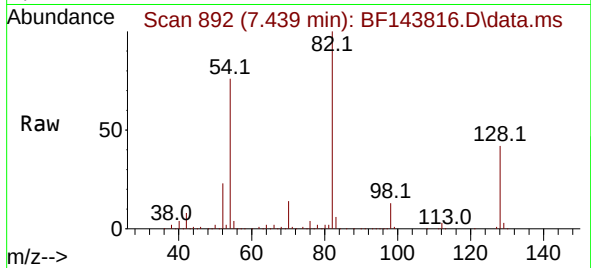




#25
Isophorone
Concen: 15.293 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.271 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

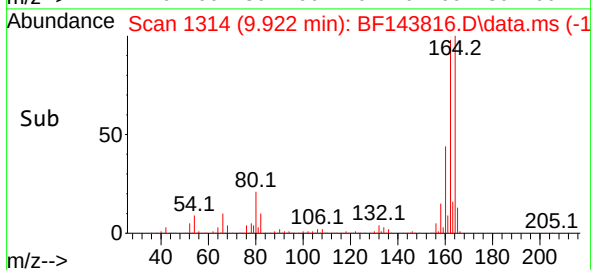
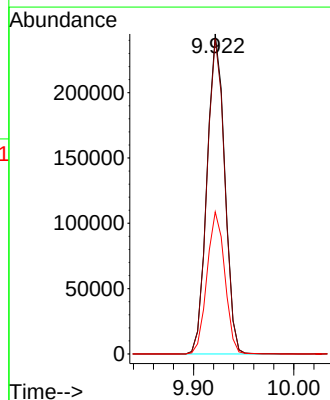
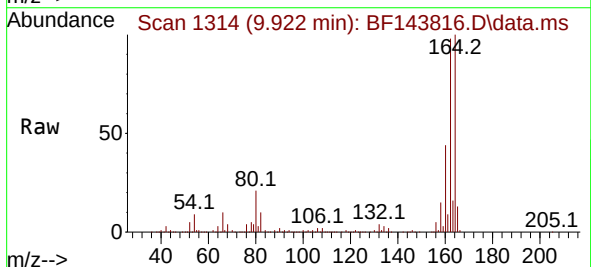
Instrument :
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ClientSampleId :
EME-TS14-01

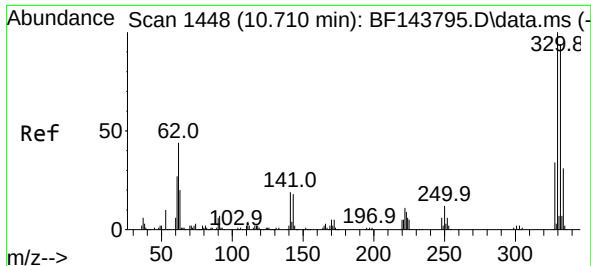
Tgt Ion: 82 Resp: 303474
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion:164 Resp: 300615
Ion Ratio Lower Upper
164 100
162 98.5 78.8 118.2
160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 43.200 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143816.D

Acq: 25 Sep 2025 21:21

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01

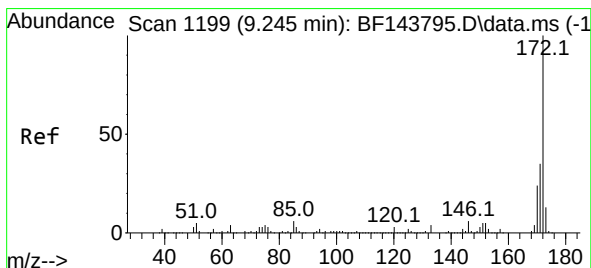
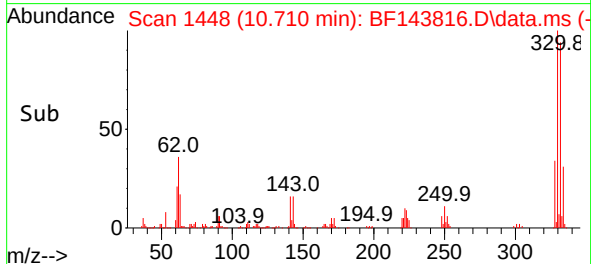
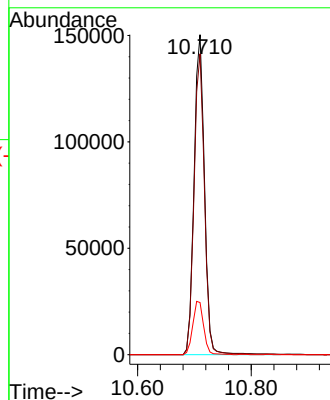
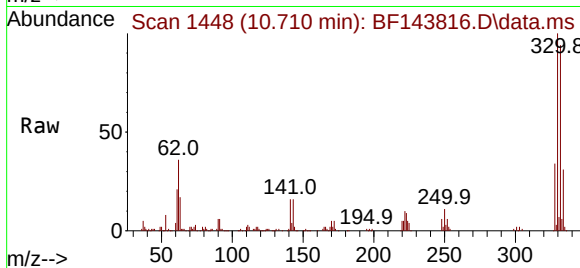
Tgt Ion:330 Resp: 192287

Ion Ratio Lower Upper

330 100

332 94.0 74.7 112.1

141 17.3 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 24.258 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143816.D

Acq: 25 Sep 2025 21:21

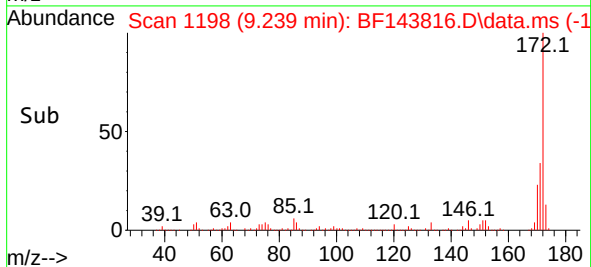
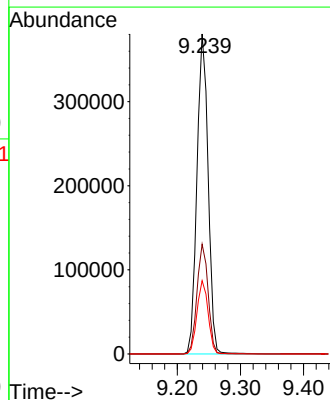
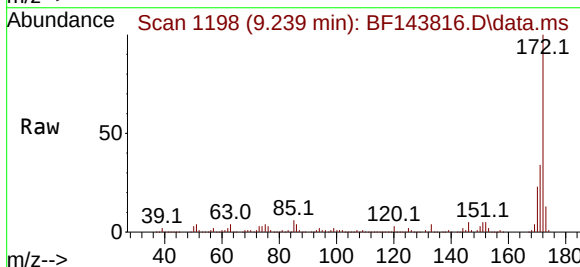
Tgt Ion:172 Resp: 467315

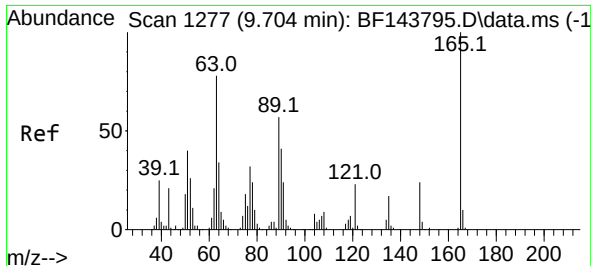
Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 22.9 19.1 28.7

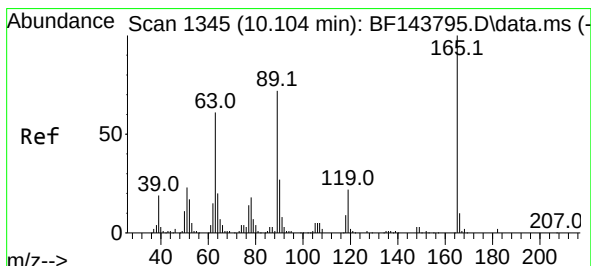
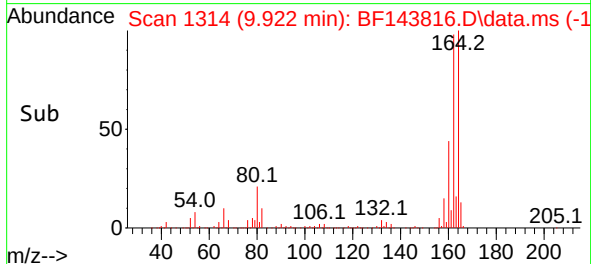
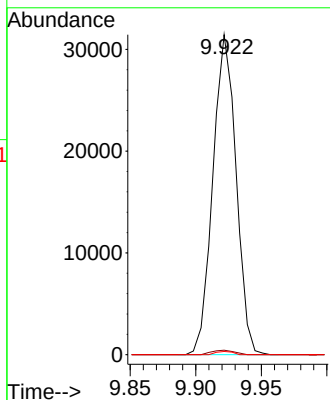
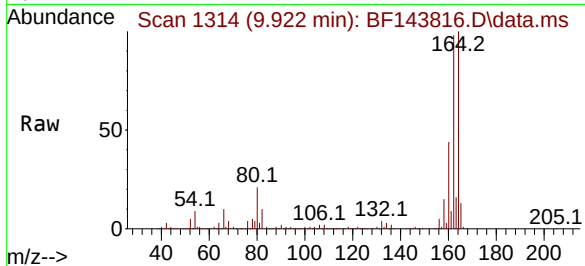




#51
2,6-Dinitrotoluene
Concen: 12.851 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

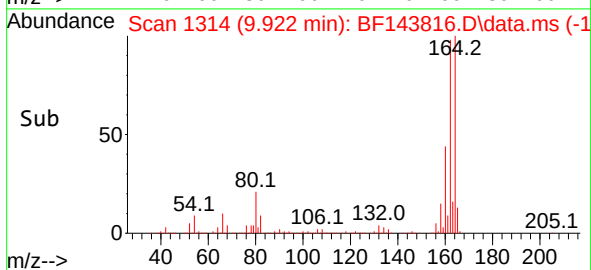
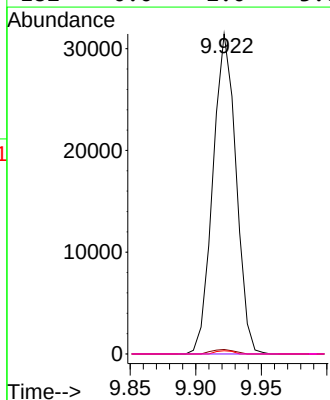
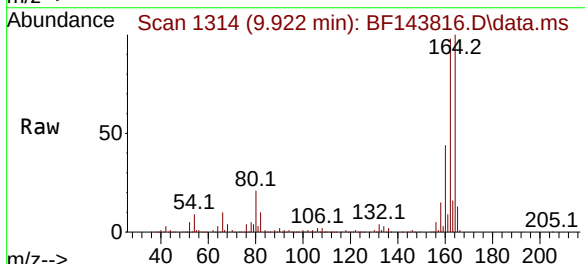
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

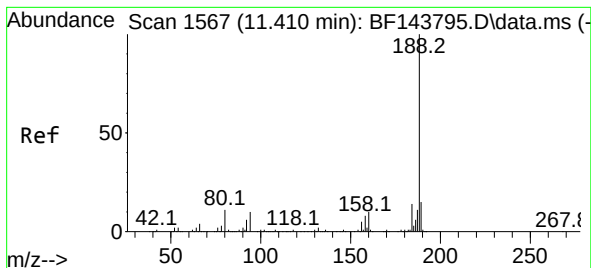
Tgt Ion:165 Resp: 38687
Ion Ratio Lower Upper
165 100
63 1.4 62.6 94.0#
89 1.0 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 11.051 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion:165 Resp: 38687
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 1.0 57.5 86.3#
182 0.0 2.0 3.0#

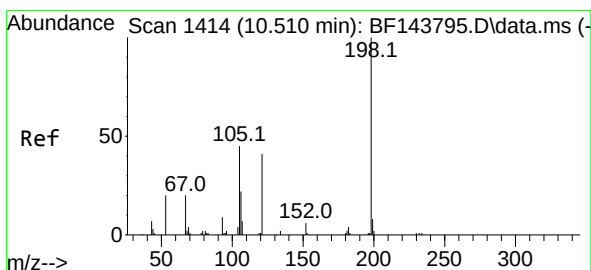
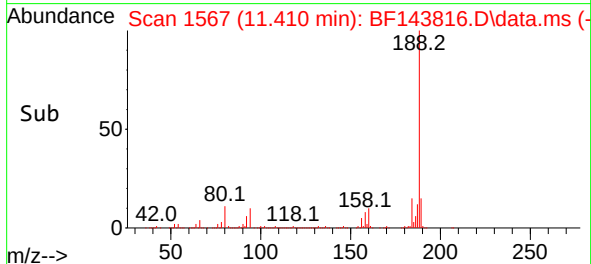
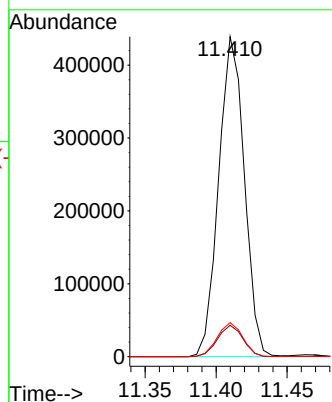
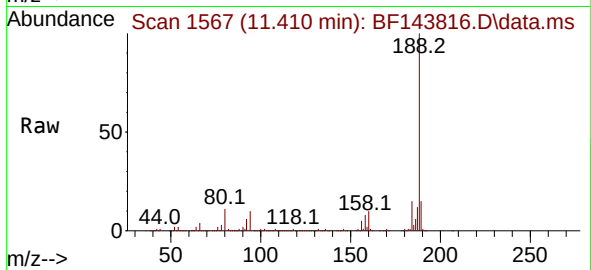




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

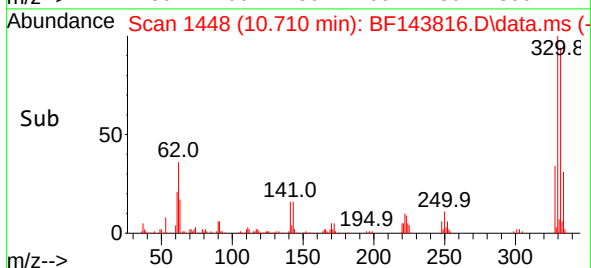
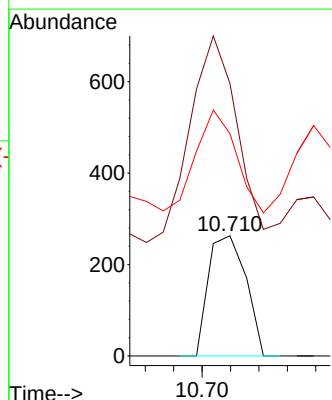
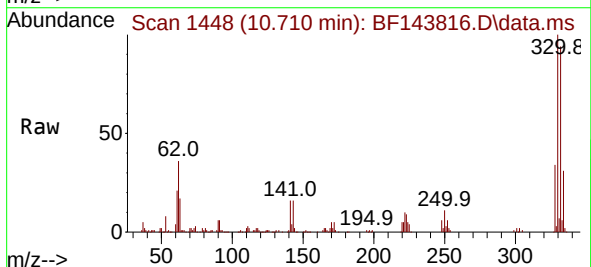
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

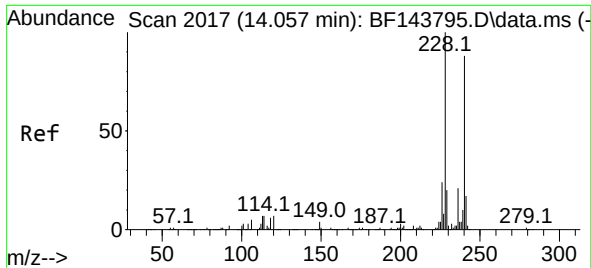
Tgt Ion:188 Resp: 551506
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.6 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.297 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.194 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion:198 Resp: 240
Ion Ratio Lower Upper
198 100
51 226.6 52.0 92.0#
105 184.8 27.5 67.5#

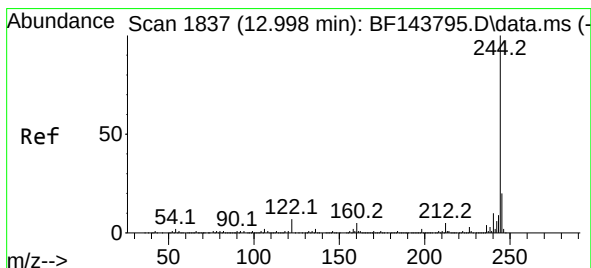
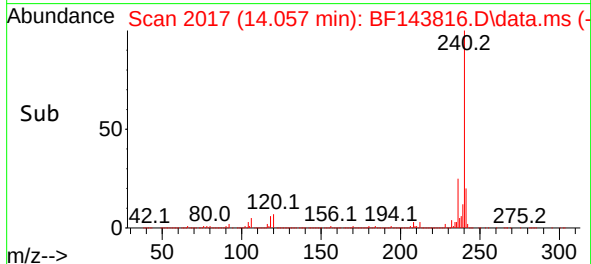
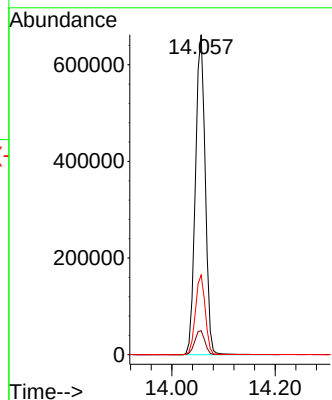
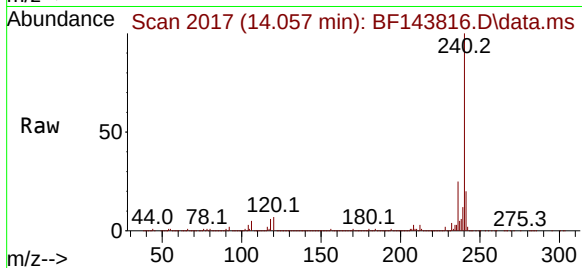




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

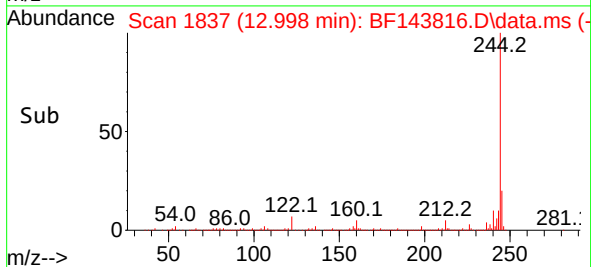
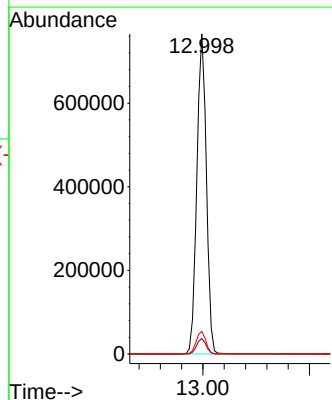
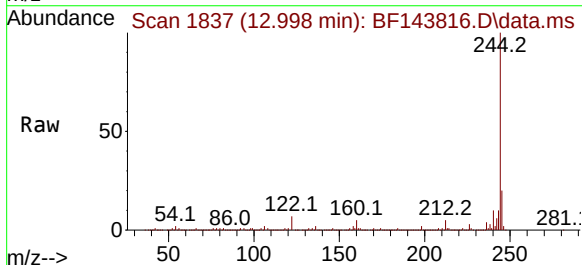
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

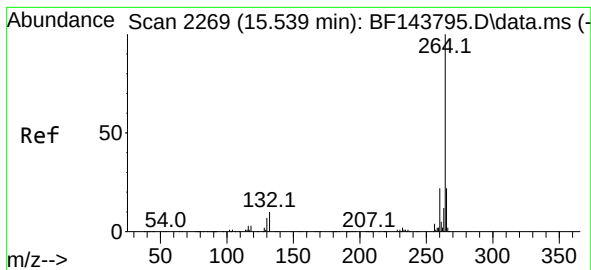
Tgt Ion:240 Resp: 873424
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.4
236 24.9 19.4 29.2



#79
Terphenyl-d14
Concen: 22.187 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

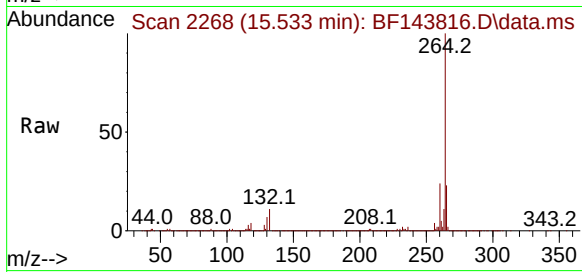
Tgt Ion:244 Resp: 952847
Ion Ratio Lower Upper
244 100
212 4.8 3.9 5.9
122 7.0 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143816.D
 Acq: 25 Sep 2025 21:21

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01



Tgt Ion:264 Resp: 916948
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.9 26.9
 265 22.7 17.7 26.5

