

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135538.D
 Acq On : 02 Oct 2023 20:54
 Operator : CG\JU
 Sample : 04667-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-A2970

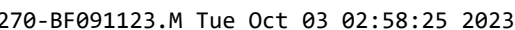
Quant Time: Oct 03 02:58:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

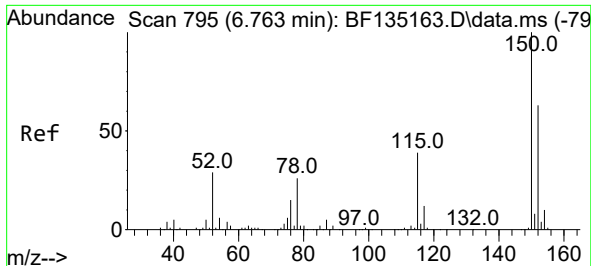
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	135170	20.000	ng	-0.01
21) Naphthalene-d8	8.022	136	475745	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	200843	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	323804	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	266169	20.000	ng	0.00
86) Perylene-d12	15.392	264	209719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	544285	65.492	ng	0.00
7) Phenol-d6	6.392	99	414828	39.255	ng	-0.01
23) Nitrobenzene-d5	7.310	82	881435	100.659	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	239019	119.755	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1358307	102.035	ng	-0.01
79) Terphenyl-d14	12.868	244	1165224	67.864	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	119505	18.257	ng	# 79
25) Isophorone	7.310	82	881430	54.817	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	24903	8.372	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	24903	6.687	ng	# 19
67) 4-Bromophenyl-phenylether	10.574	248	15578	4.837	ng	# 1
77) Benzidine	12.868	184	15023	2.755	ng	# 89

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

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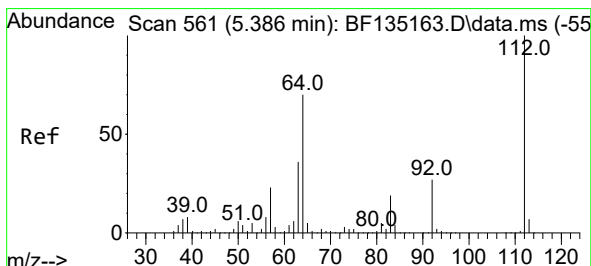
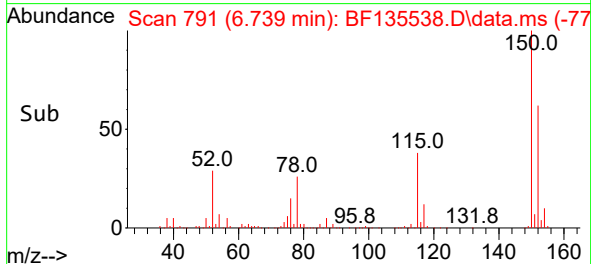
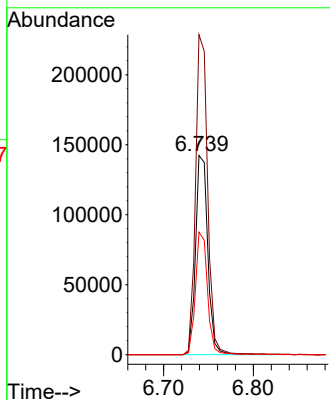
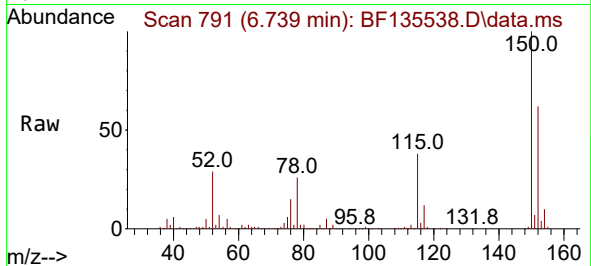




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

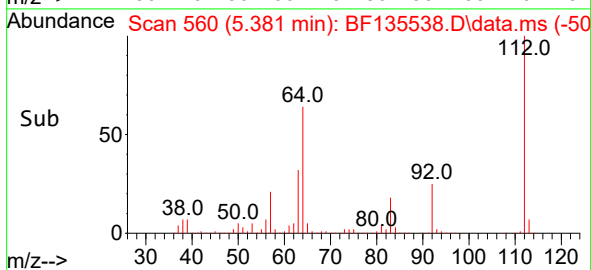
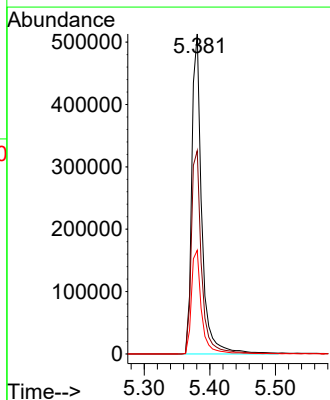
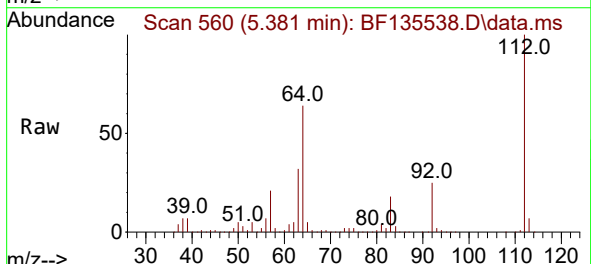
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-A2970

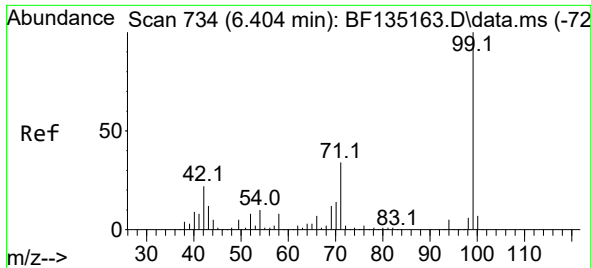
Tgt Ion:152 Resp: 135170
Ion Ratio Lower Upper
152 100
150 160.6 127.8 191.6
115 61.5 49.8 74.8



#5
2-Fluorophenol
Concen: 65.492 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

Tgt Ion:112 Resp: 544285
Ion Ratio Lower Upper
112 100
64 63.5 55.9 83.9
63 32.4 29.0 43.6

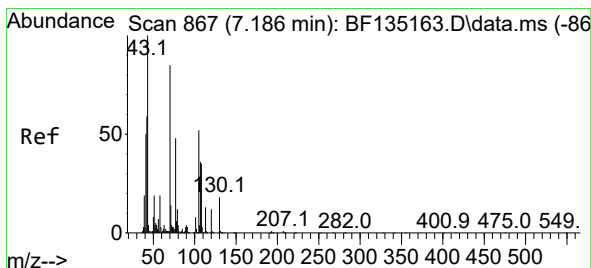
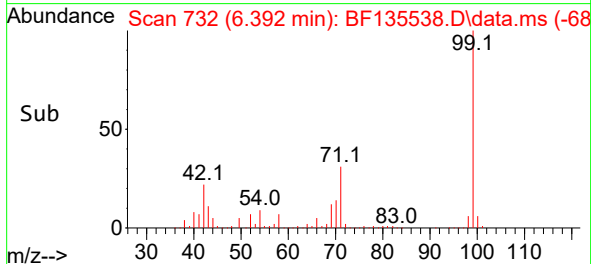
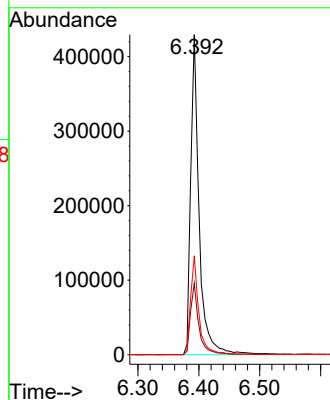
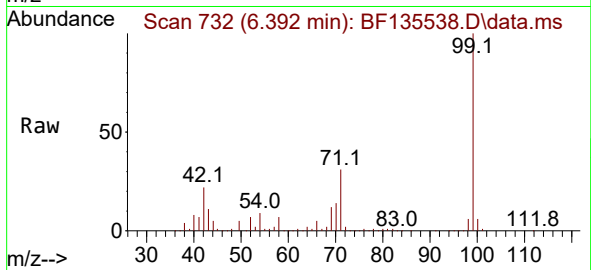




#7
Phenol-d6
Concen: 39.255 ng
RT: 6.392 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

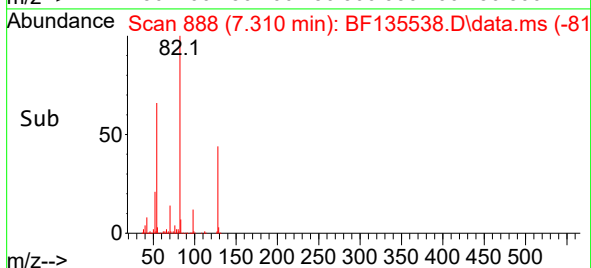
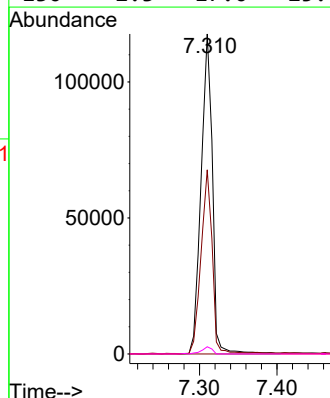
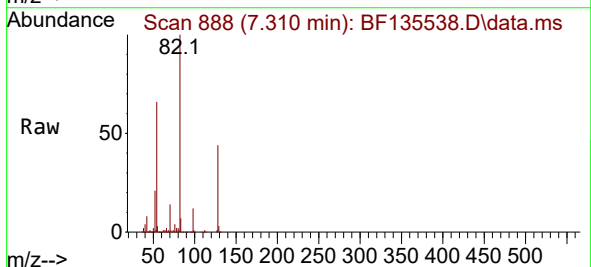
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ClientSampleId :
FRAC-TANK-A2970

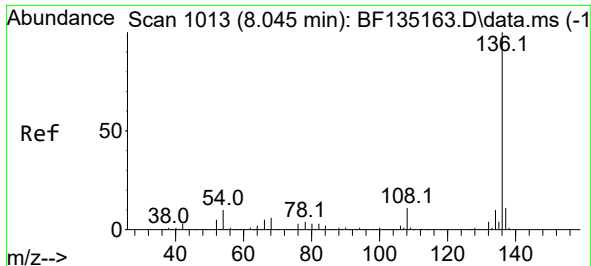
Tgt Ion: 99 Resp: 414828
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 30.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.257 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

Tgt Ion: 70 Resp: 119505
Ion Ratio Lower Upper
70 100
42 57.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.022 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135538.D

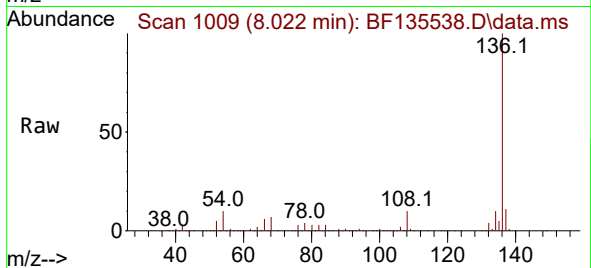
Acq: 02 Oct 2023 20:54

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-A2970



Tgt Ion:136 Resp: 475745

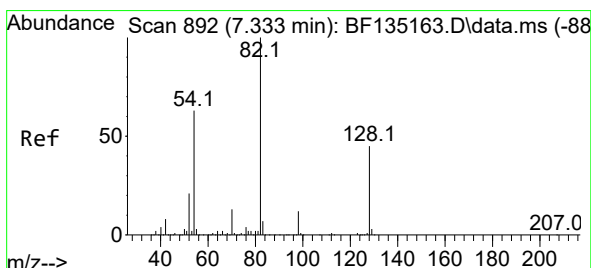
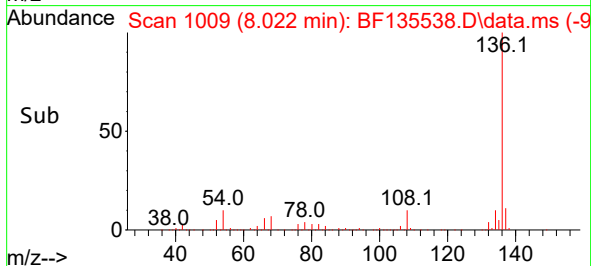
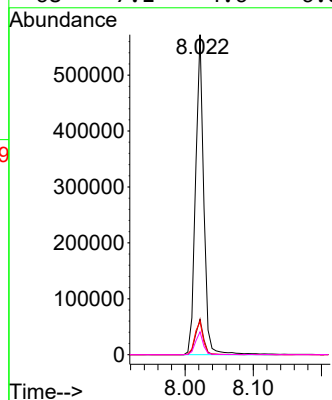
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 10.3 7.7 11.5

68 7.1 4.6 6.8#



#23

Nitrobenzene-d5

Concen: 100.659 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.012 min

Lab File: BF135538.D

Acq: 02 Oct 2023 20:54

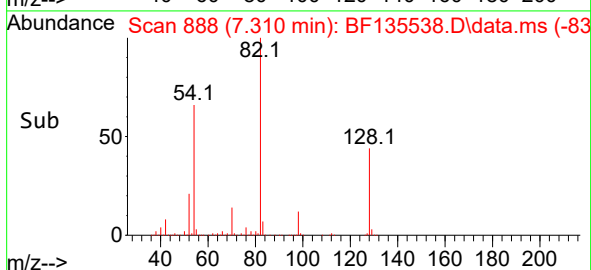
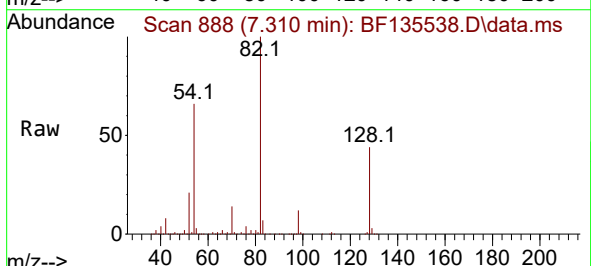
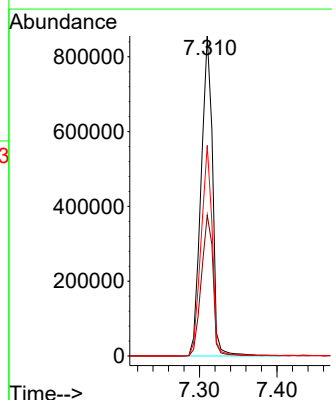
Tgt Ion: 82 Resp: 881435

Ion Ratio Lower Upper

82 100

128 44.1 35.8 53.6

54 65.8 50.6 76.0

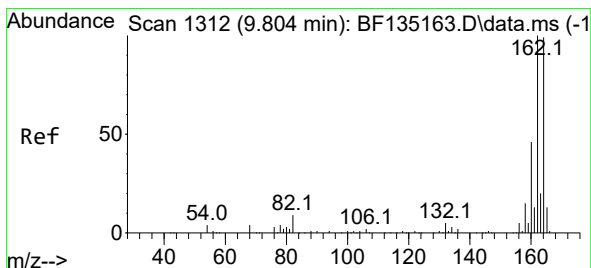
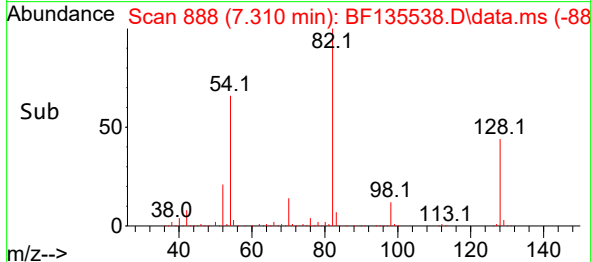
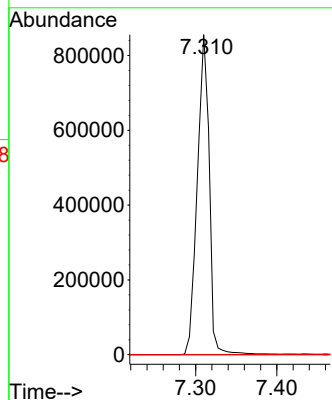
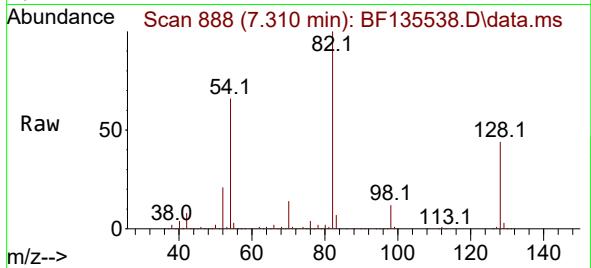




#25
Isophorone
Concen: 54.817 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

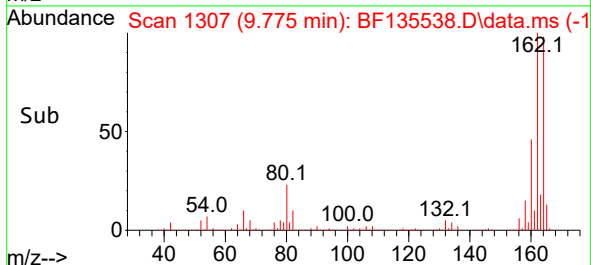
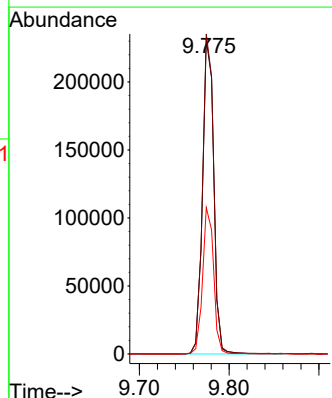
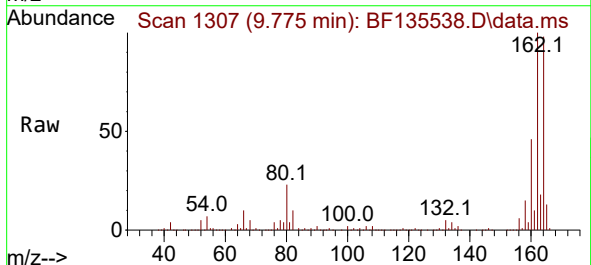
Instrument :
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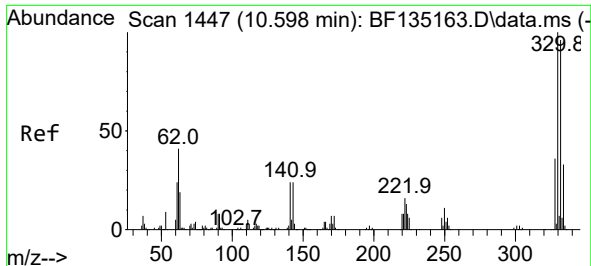
Tgt Ion: 82 Resp: 881430
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

Tgt Ion:164 Resp: 200843
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 46.6 37.0 55.4

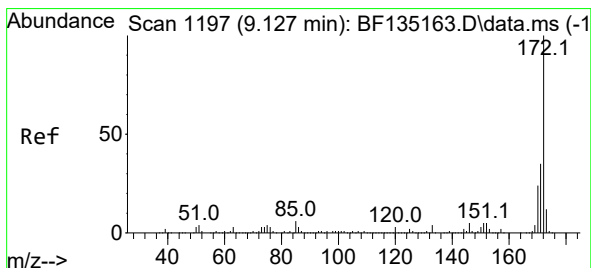
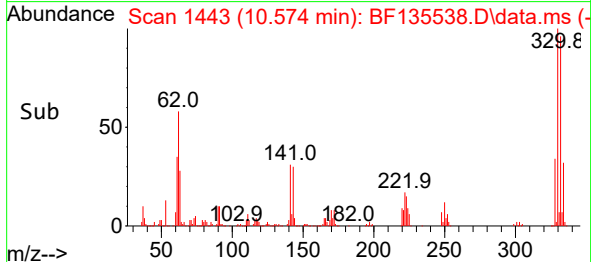
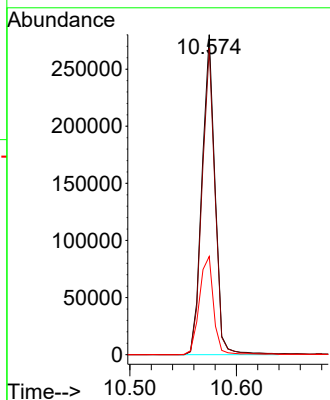
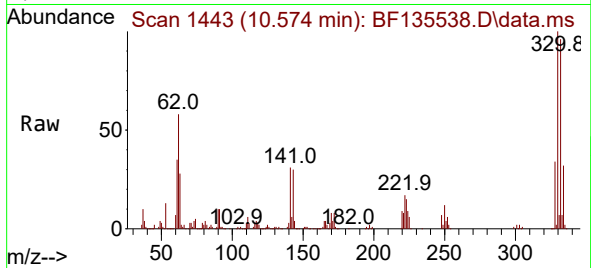




#42
2,4,6-Tribromophenol
Concen: 119.755 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

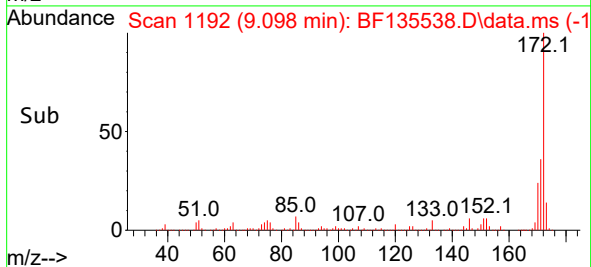
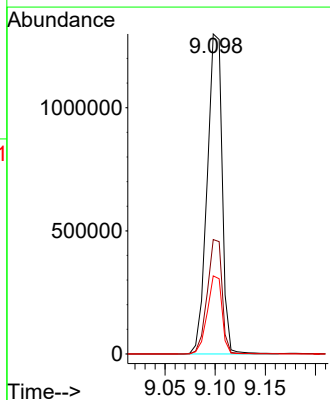
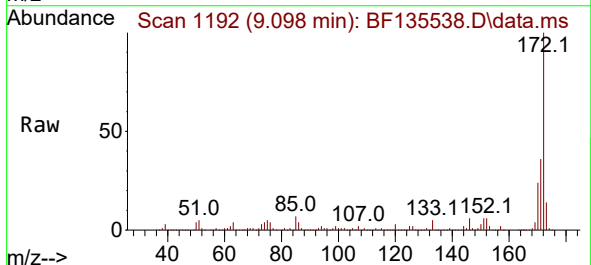
Instrument :
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ClientSampleId :
FRAC-TANK-A2970

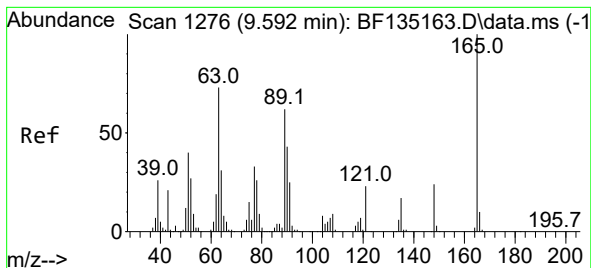
Tgt Ion:330 Resp: 239019
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 33.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 102.035 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

Tgt Ion:172 Resp: 1358307
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 24.4 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.372 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135538.D

Acq: 02 Oct 2023 20:54

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-A2970

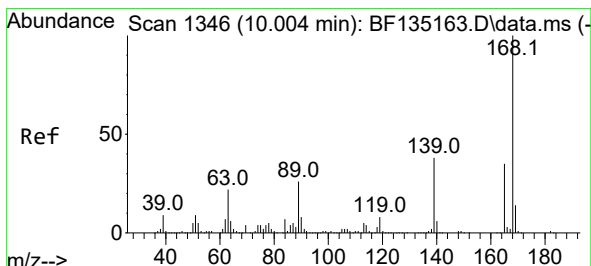
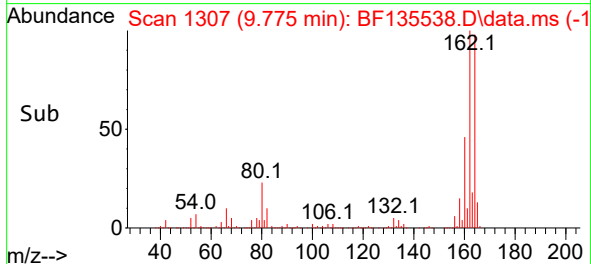
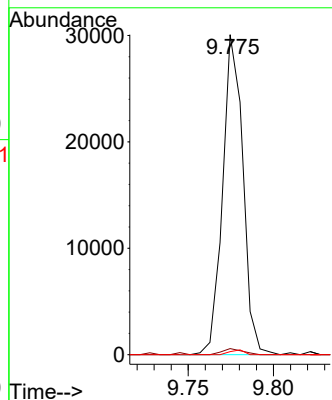
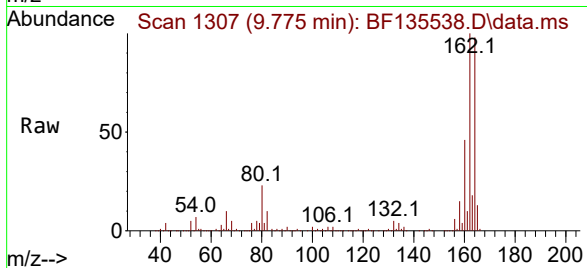
Tgt Ion:165 Resp: 24903

Ion Ratio Lower Upper

165 100

63 1.9 59.4 89.2#

89 0.9 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.687 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.218 min

Lab File: BF135538.D

Acq: 02 Oct 2023 20:54

Tgt Ion:165 Resp: 24903

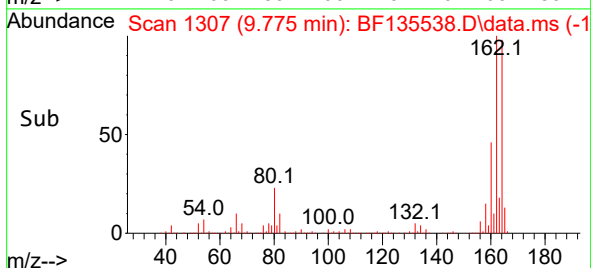
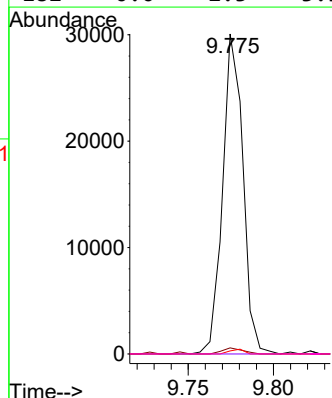
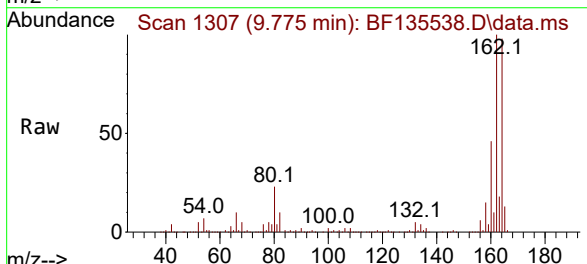
Ion Ratio Lower Upper

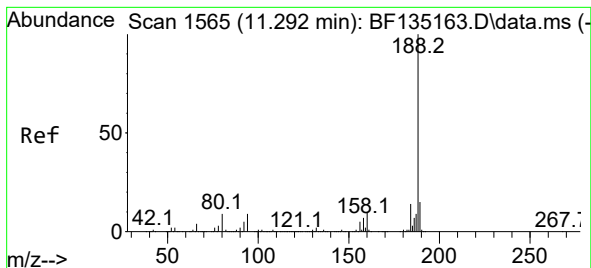
165 100

63 1.9 50.1 75.1#

89 0.9 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135538.D

Acq: 02 Oct 2023 20:54

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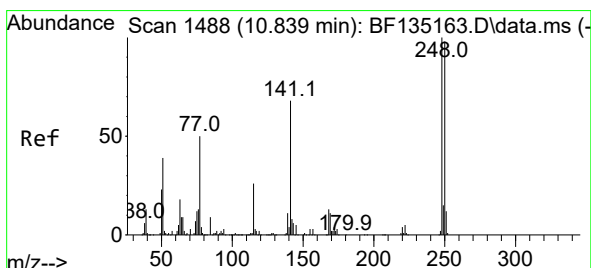
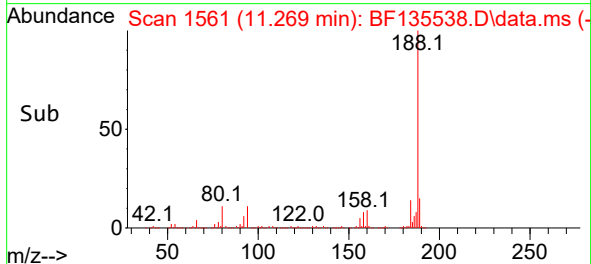
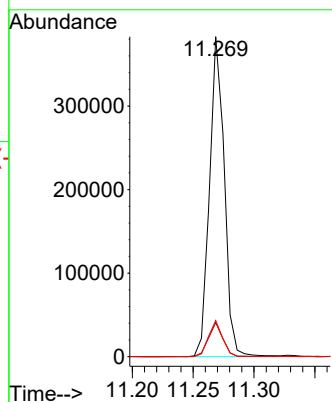
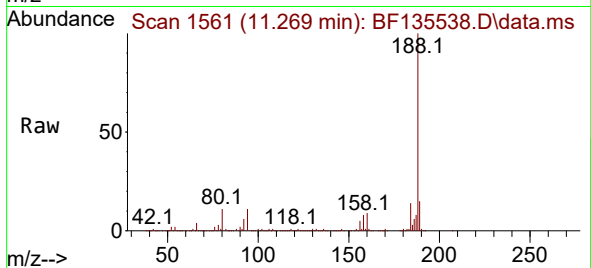
Tgt Ion:188 Resp: 323804

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.3 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.837 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135538.D

Acq: 02 Oct 2023 20:54

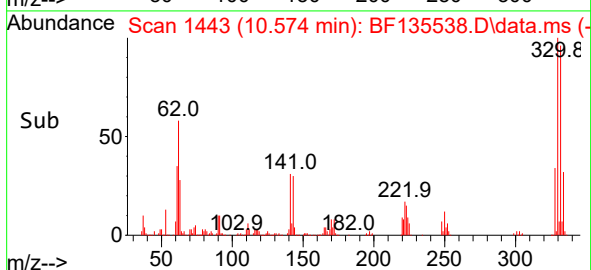
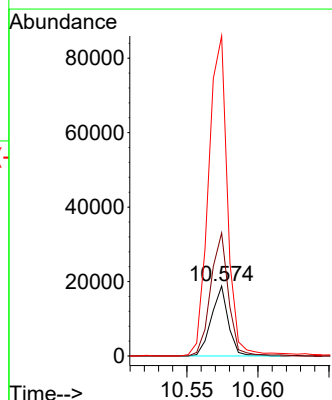
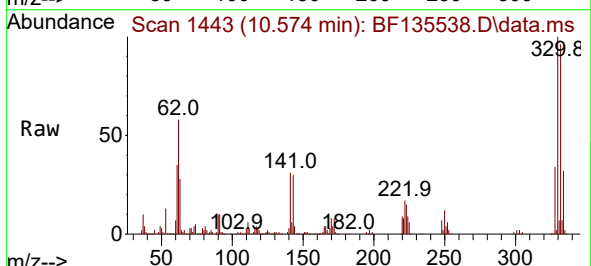
Tgt Ion:248 Resp: 15578

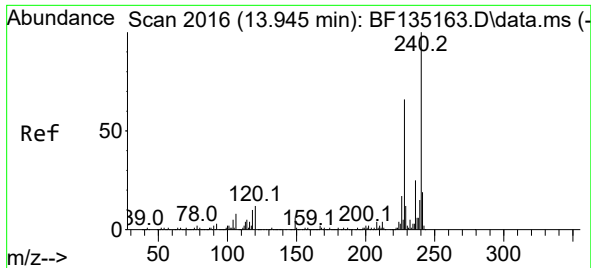
Ion Ratio Lower Upper

248 100

250 176.1 78.6 117.8#

141 457.7 54.2 81.2#

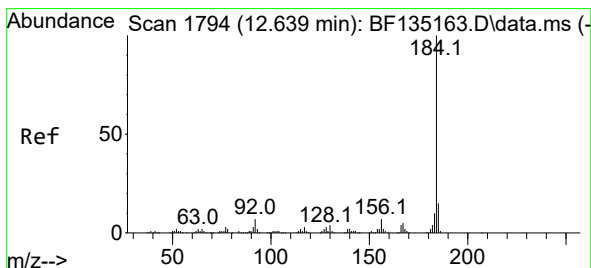
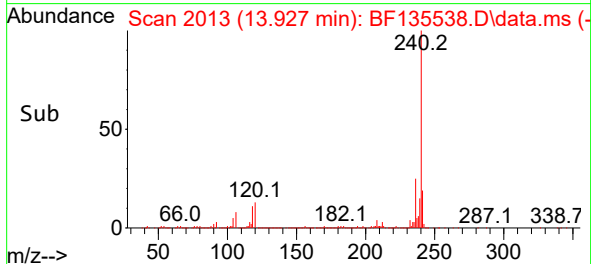
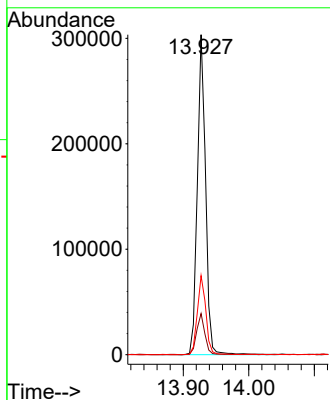
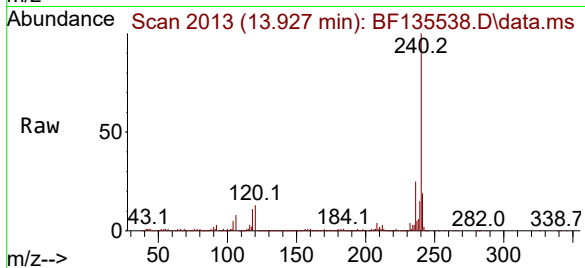




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

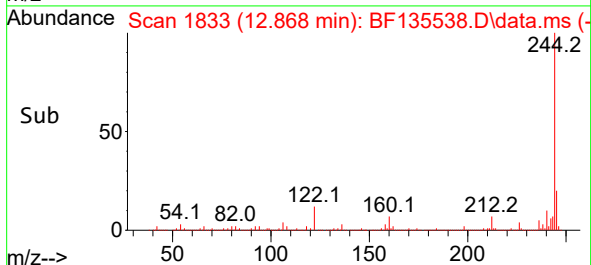
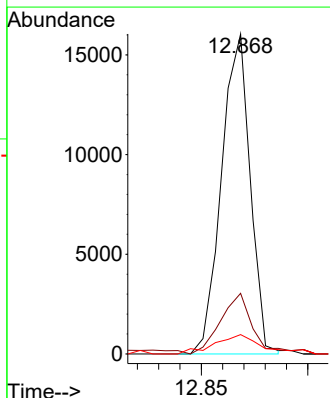
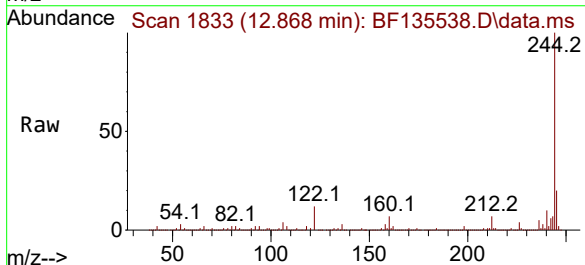
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-A2970

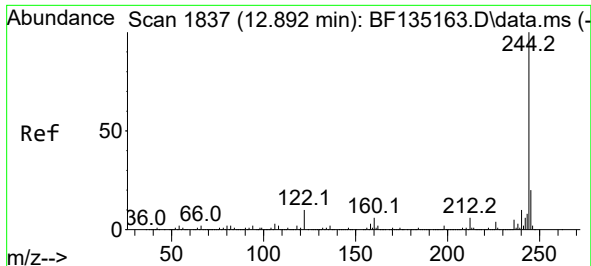
Tgt Ion:240 Resp: 266169
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.2
236 24.7 19.8 29.8



#77
Benzidine
Concen: 2.755 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.247 min
Lab File: BF135538.D
Acq: 02 Oct 2023 20:54

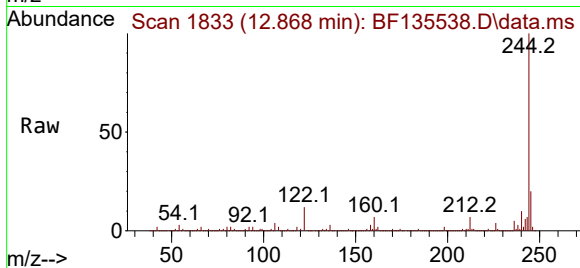
Tgt Ion:184 Resp: 15023
Ion Ratio Lower Upper
184 100
185 19.0 11.7 17.5#
183 6.1 8.2 12.4#





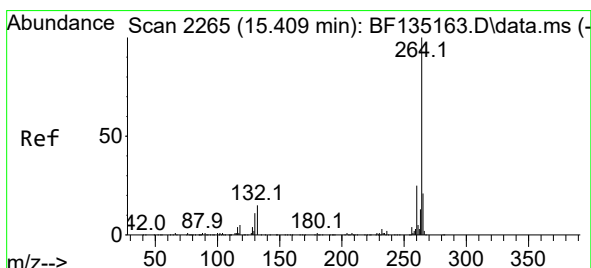
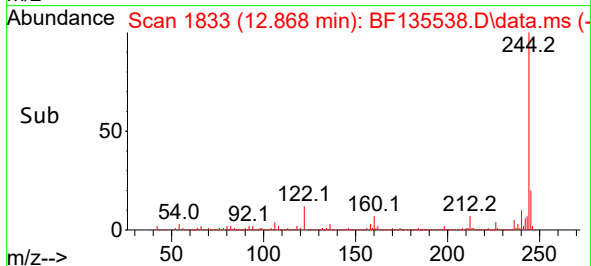
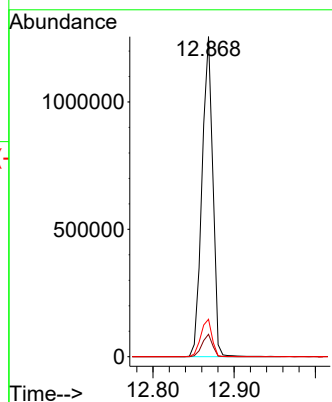
#79
 Terphenyl-d14
 Concen: 67.864 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.006 min
 Lab File: BF135538.D
 Acq: 02 Oct 2023 20:54

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-A2970



Tgt Ion:244 Resp: 1165224

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.1	7.7
122	11.7	7.9	11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.392 min Scan# 2262
 Delta R.T. -0.000 min
 Lab File: BF135538.D
 Acq: 02 Oct 2023 20:54

Tgt Ion:264 Resp: 209719

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.6
265	22.0	17.0	25.4

