

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100324\
 Data File : BF139633.D
 Acq On : 03 Oct 2024 16:05
 Operator : RC/JU
 Sample : P4204-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-RW5FRACTANKSED-20240925

Quant Time: Oct 03 17:11:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

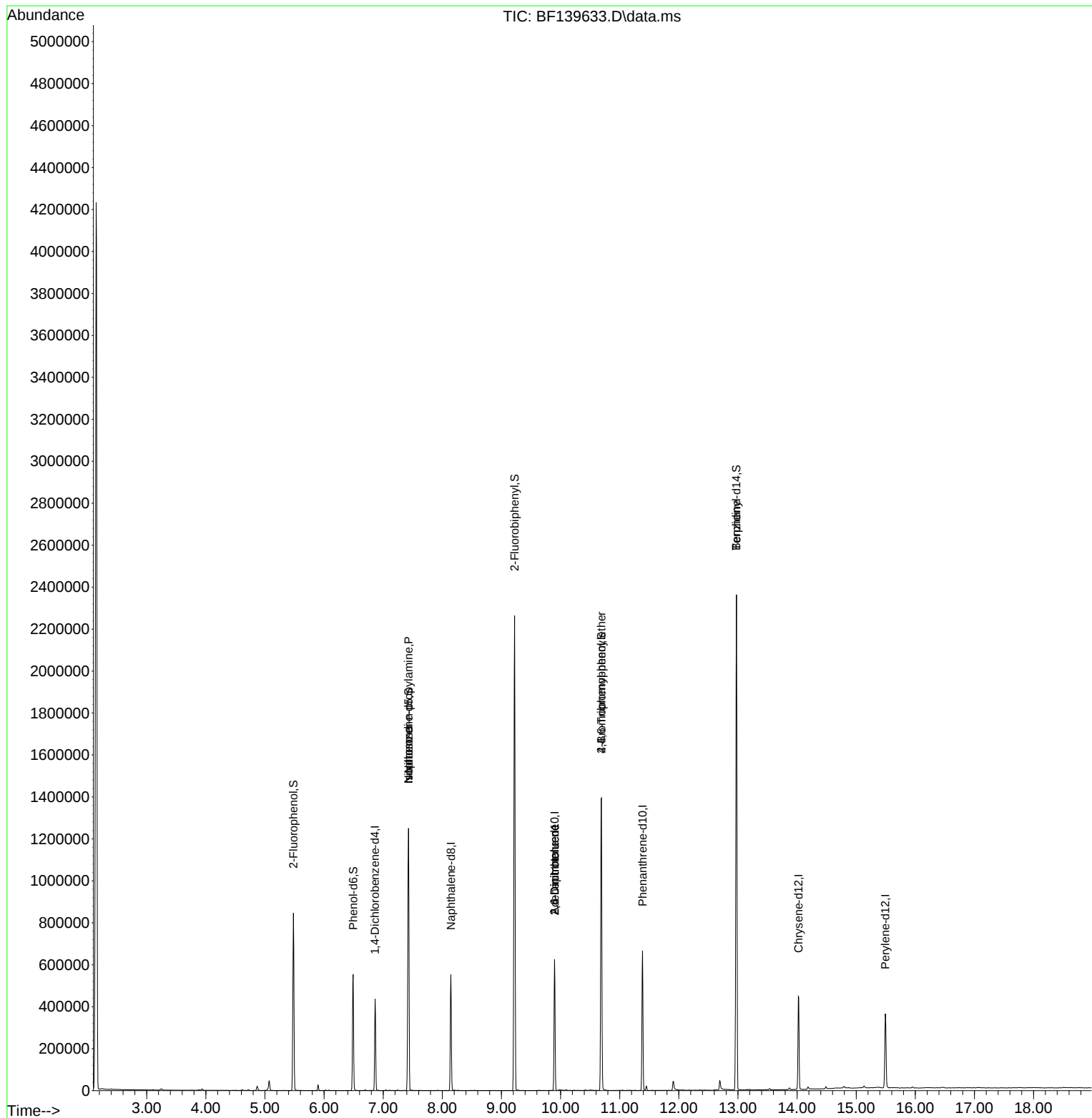
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	85754	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	323117	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	181092	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	339348	20.000	ng	0.00
76) Chrysene-d12	14.027	240	212477	20.000	ng	0.00
86) Perylene-d12	15.492	264	203702	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	278263	56.242	ng	0.00
7) Phenol-d6	6.492	99	234892	35.304	ng	-0.01
23) Nitrobenzene-d5	7.428	82	545566	85.487	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	226761	129.715	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	974524	82.614	ng	0.00
79) Terphenyl-d14	12.974	244	1156229	89.289	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	74918	17.514	ng	# 76
25) Isophorone	7.428	82	543154	47.918	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	23171	8.653	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	23171	6.620	ng	# 17
67) 4-Bromophenyl-phenylether	10.692	248	15508	4.457	ng	# 1
77) Benzidine	12.974	184	16003	4.270	ng	# 91

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

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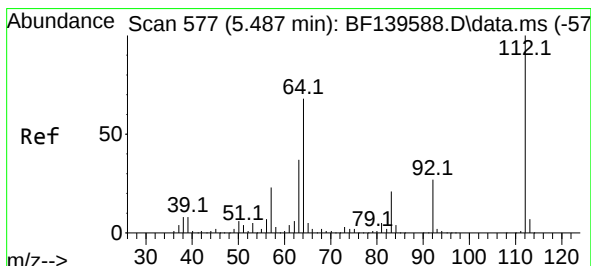
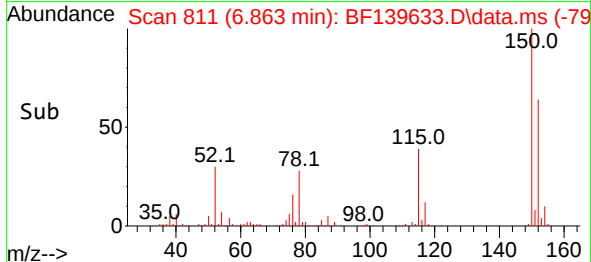
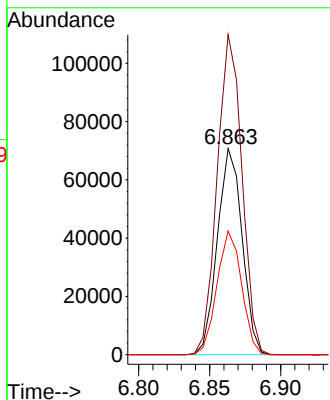
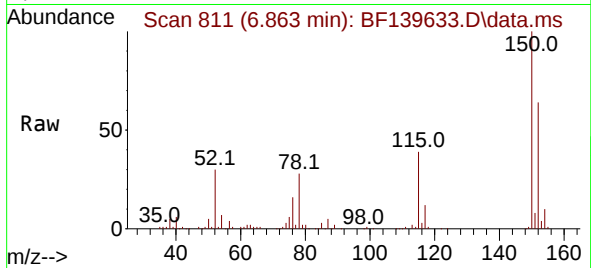




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

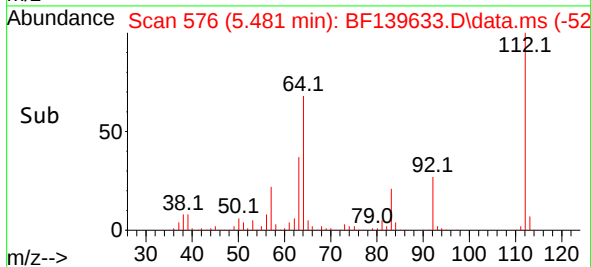
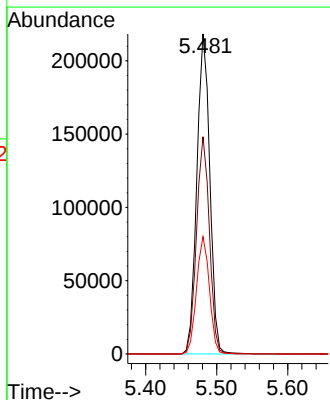
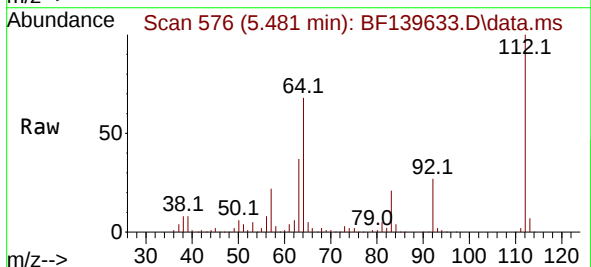
Instrument :
BNA_F
ClientSampleId :
BP-RW5FRACTANKSED-20240925

Tgt Ion:152 Resp: 85754
Ion Ratio Lower Upper
152 100
150 155.3 127.2 190.8
115 59.9 49.0 73.4



#5
2-Fluorophenol
Concen: 56.242 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

Tgt Ion:112 Resp: 278263
Ion Ratio Lower Upper
112 100
64 67.9 54.2 81.4
63 36.7 29.4 44.2

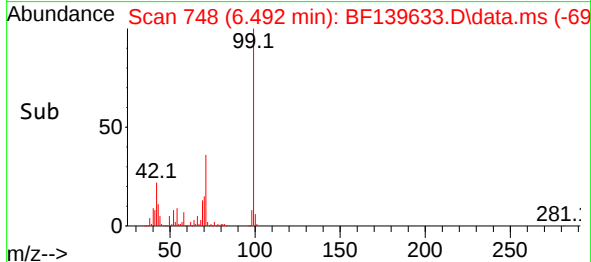
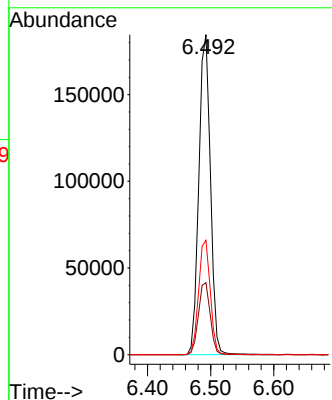
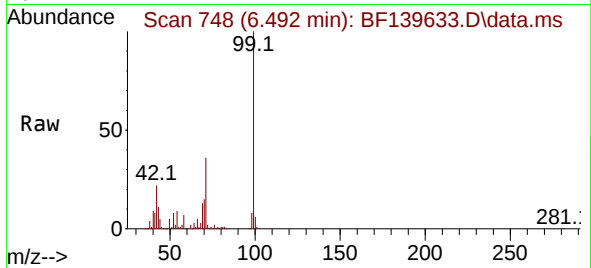




#7
Phenol-d6
Concen: 35.304 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

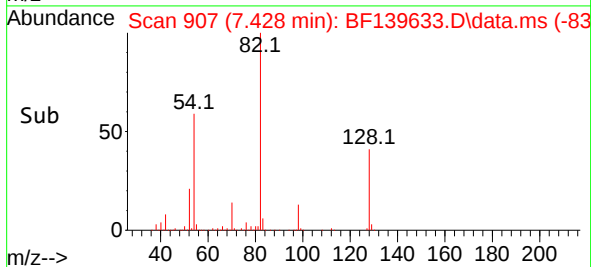
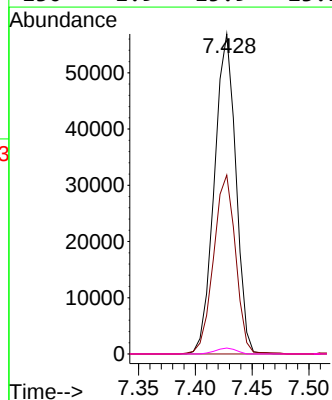
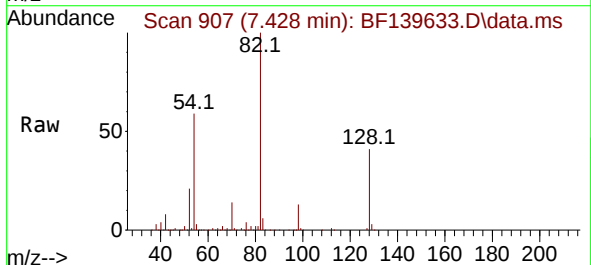
Instrument :
BNA_F
ClientSampleId :
BP-RW5FRACTANKSED-20240925

Tgt Ion: 99 Resp: 234892
Ion Ratio Lower Upper
99 100
42 22.5 19.1 28.7
71 35.8 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.514 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

Tgt Ion: 70 Resp: 74918
Ion Ratio Lower Upper
70 100
42 55.9 58.0 87.0#
101 0.0 7.8 11.8#
130 1.9 15.9 23.9#

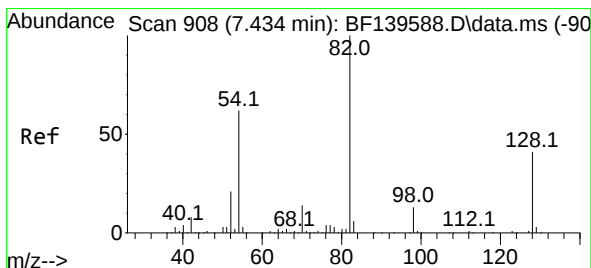
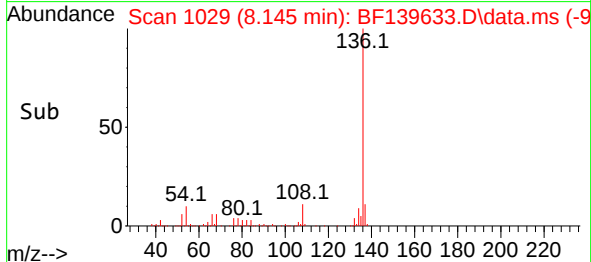
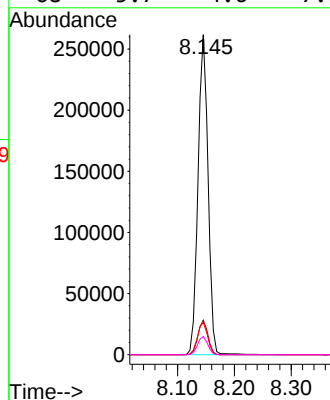
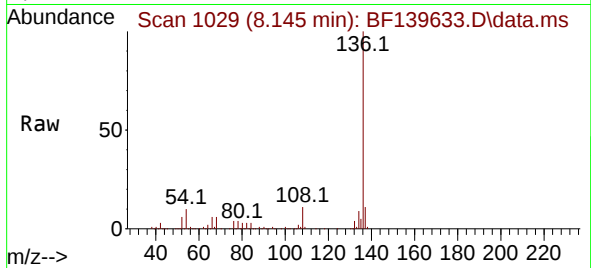




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

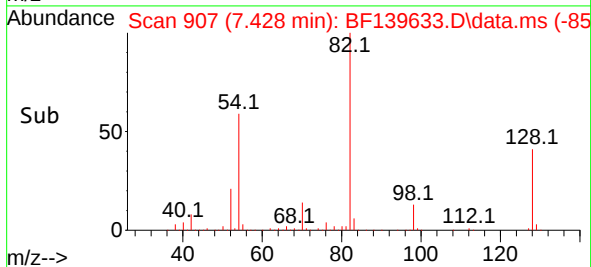
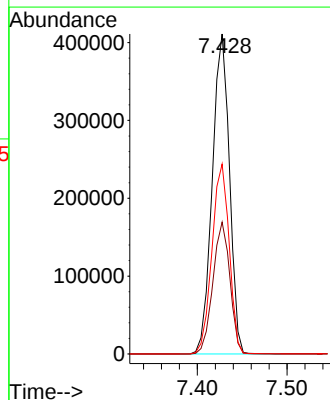
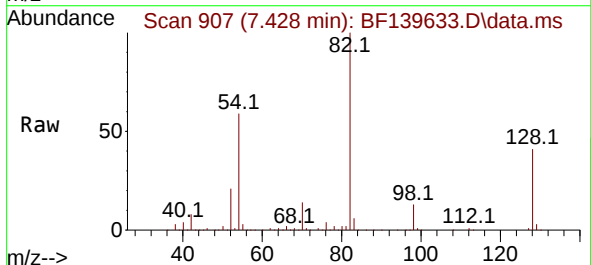
Instrument :
BNA_F
ClientSampleId :
BP-RW5FRACTANKSED-20240925

Tgt Ion:	136	Resp:	323117
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.1	8.3	12.5
68	5.7	4.6	7.0



#23
Nitrobenzene-d5
Concen: 85.487 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

Tgt Ion:	82	Resp:	545566
Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.4	48.6
54	59.3	49.1	73.7

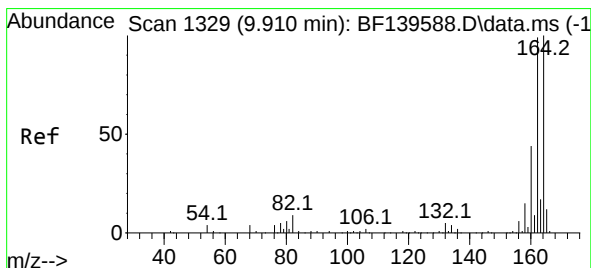
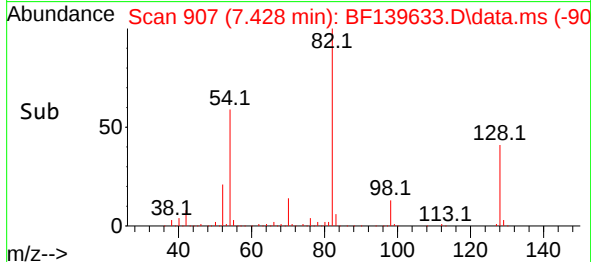
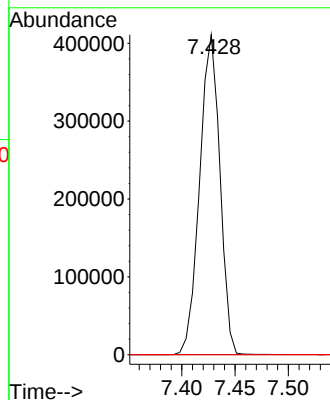
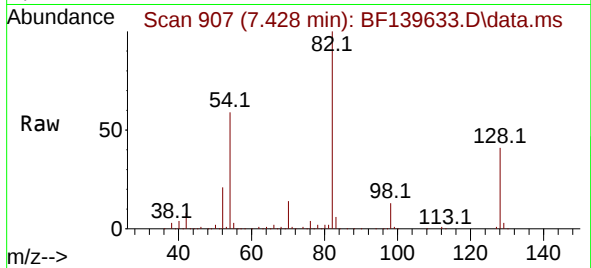




#25
Isophorone
Concen: 47.918 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

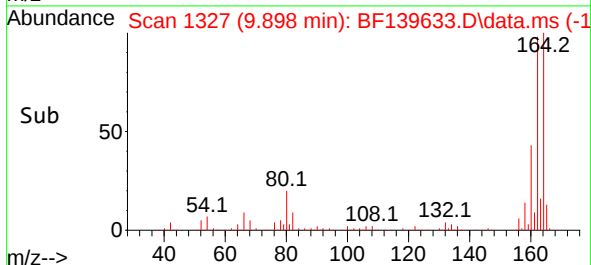
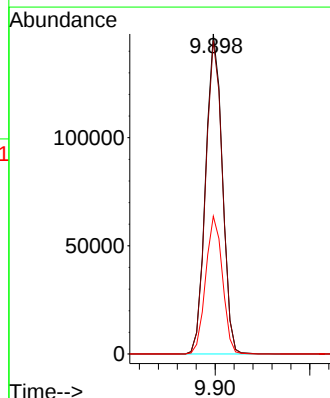
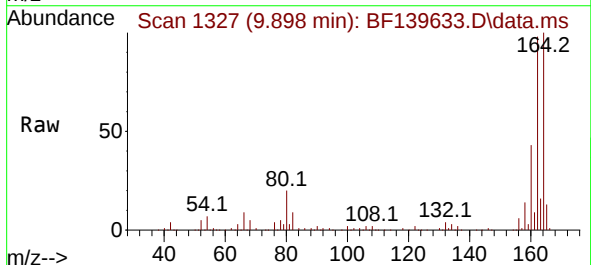
Instrument :
BNA_F
ClientSampleId :
BP-RW5FRACTANKSED-20240925

Tgt Ion: 82 Resp: 543154
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

Tgt Ion:164 Resp: 181092
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 43.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 129.715 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139633.D

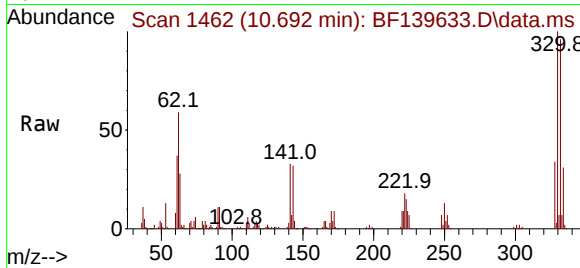
Acq: 03 Oct 2024 16:05

Instrument :

BNA_F

ClientSampleId :

BP-RW5FRACTANKSED-20240925



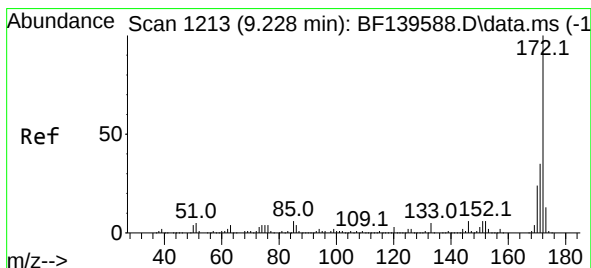
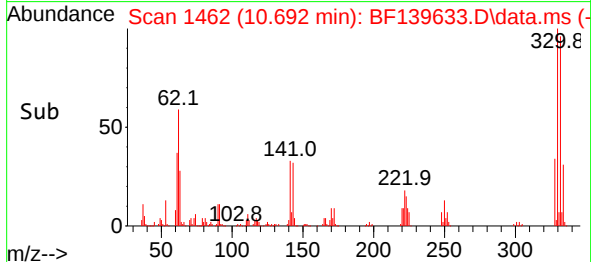
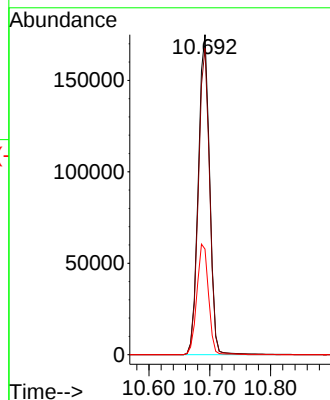
Tgt Ion:330 Resp: 226761

Ion Ratio Lower Upper

330 100

332 95.2 76.5 114.7

141 35.4 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 82.614 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139633.D

Acq: 03 Oct 2024 16:05

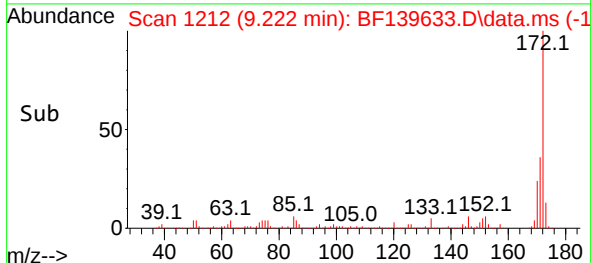
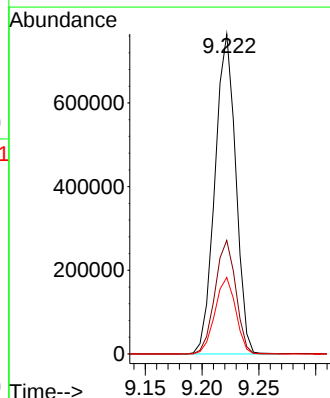
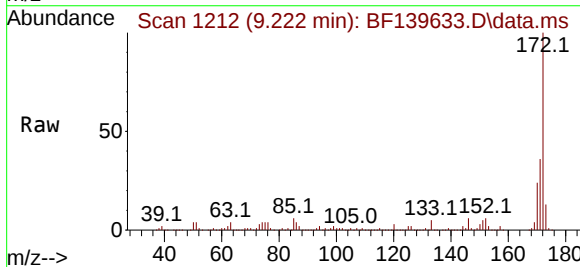
Tgt Ion:172 Resp: 974524

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.9 18.8 28.2

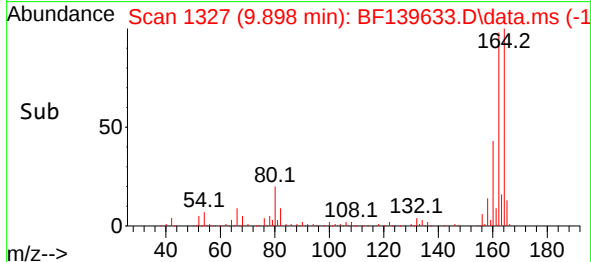
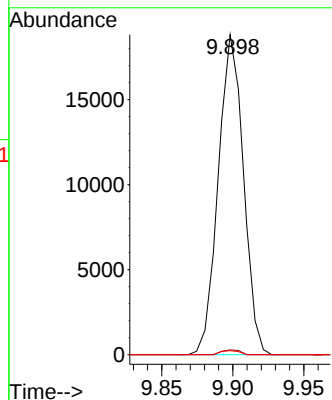
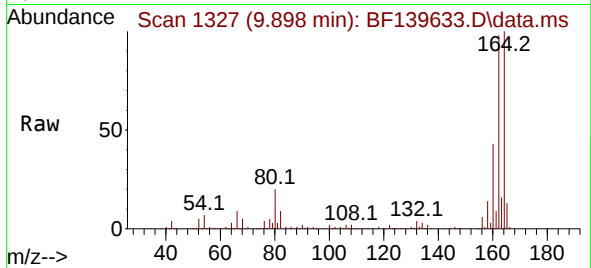




#51
2,6-Dinitrotoluene
Concen: 8.653 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

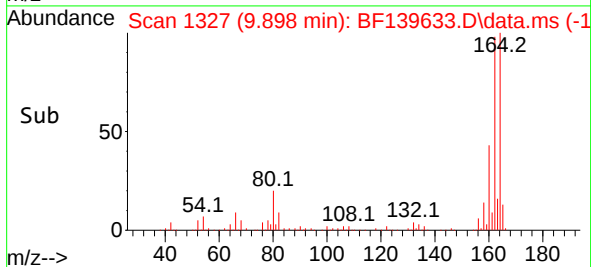
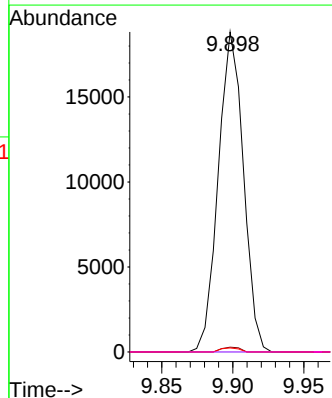
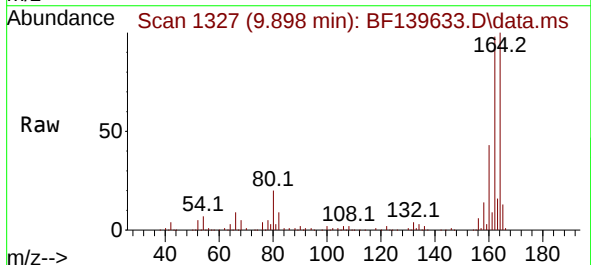
Instrument :
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BP-RW5FRACTANKSED-20240925

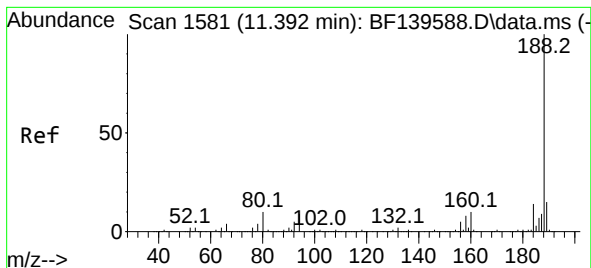
Tgt Ion:165 Resp: 23171
Ion Ratio Lower Upper
165 100
63 1.5 56.7 85.1#
89 1.2 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.620 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

Tgt Ion:165 Resp: 23171
Ion Ratio Lower Upper
165 100
63 1.5 46.9 70.3#
89 1.2 64.4 96.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139633.D

Acq: 03 Oct 2024 16:05

Instrument :

BNA_F

ClientSampleId :

BP-RW5FRACTANKSED-20240925

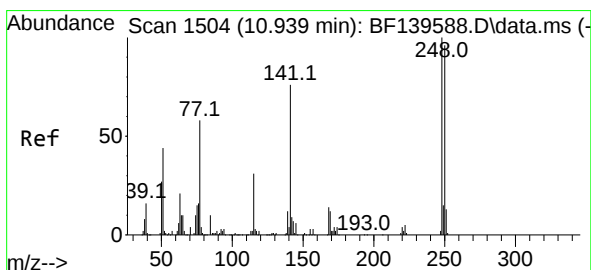
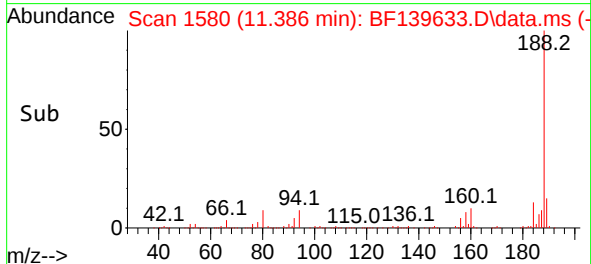
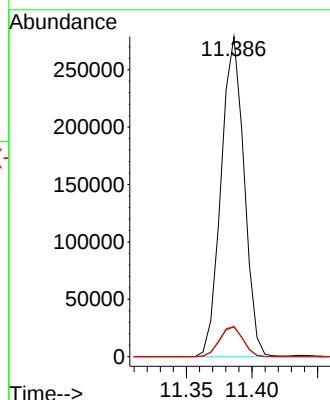
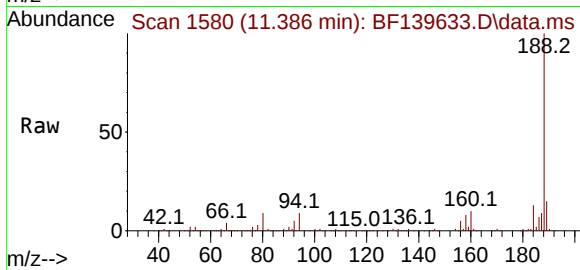
Tgt Ion:188 Resp: 339348

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 9.5 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 4.457 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139633.D

Acq: 03 Oct 2024 16:05

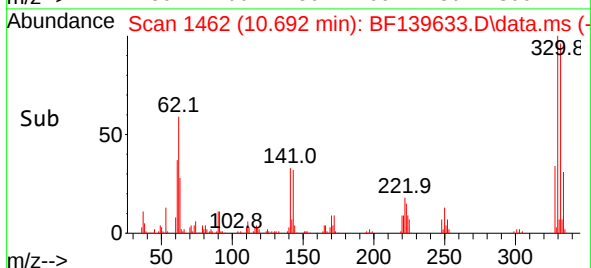
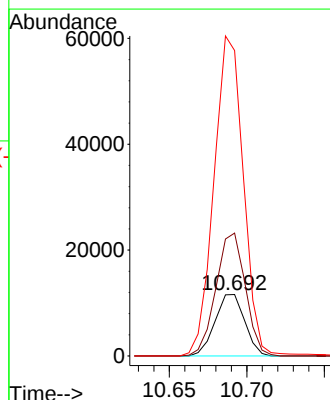
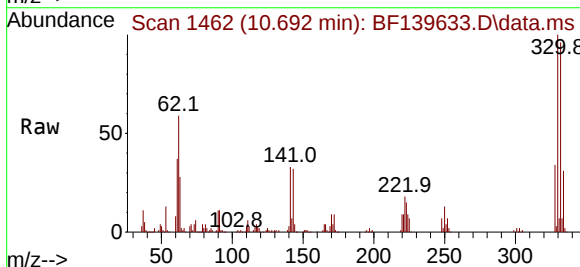
Tgt Ion:248 Resp: 15508

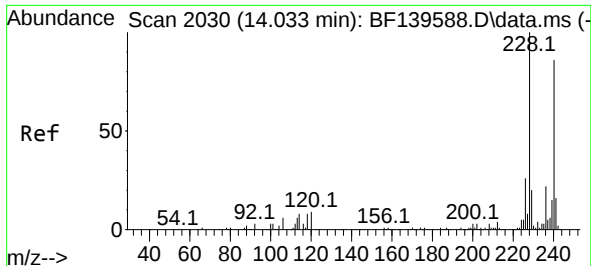
Ion Ratio Lower Upper

248 100

250 200.1 77.1 115.7#

141 497.0 60.4 90.6#

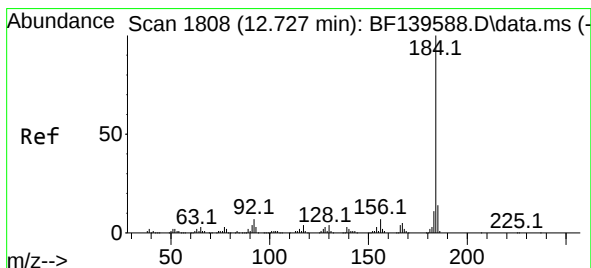
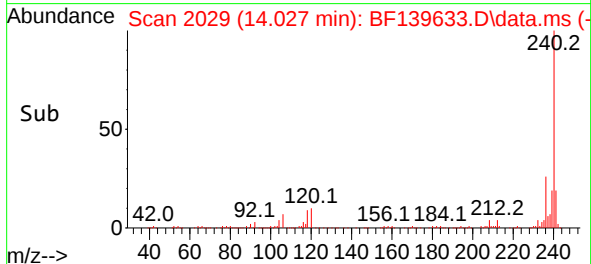
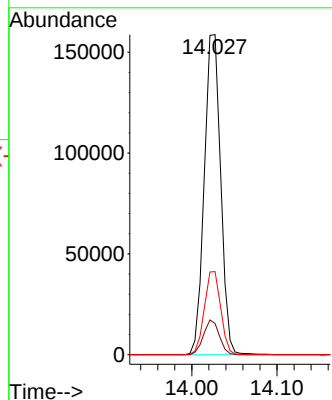
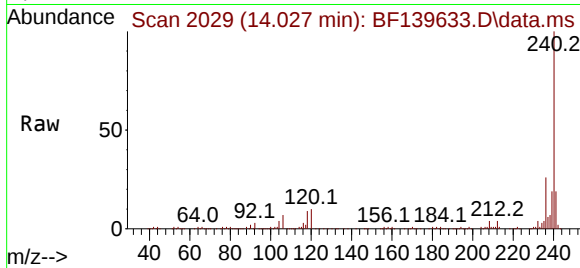




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

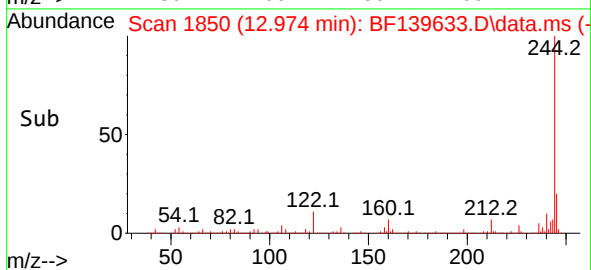
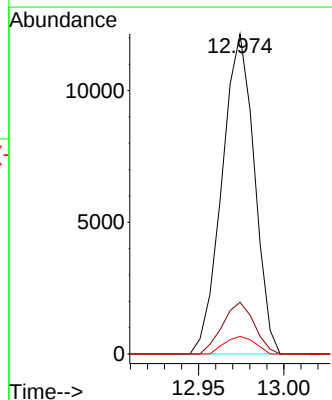
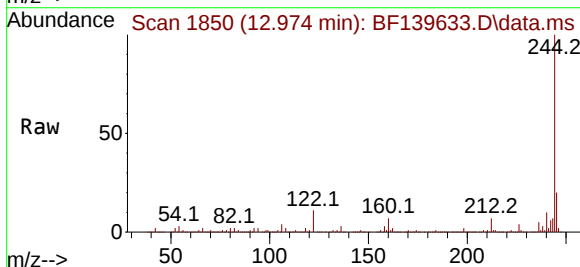
Instrument :
BNA_F
ClientSampleId :
BP-RW5FRACTANKSED-20240925

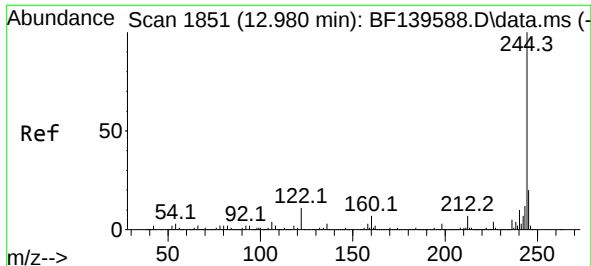
Tgt Ion:240 Resp: 212477
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.9 20.3 30.5



#77
Benzidine
Concen: 4.270 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.247 min
Lab File: BF139633.D
Acq: 03 Oct 2024 16:05

Tgt Ion:184 Resp: 16003
Ion Ratio Lower Upper
184 100
185 16.2 11.4 17.0
183 5.5 8.8 13.2#

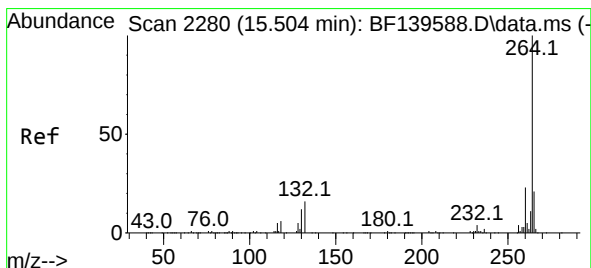
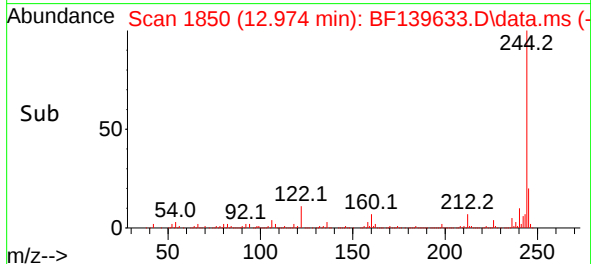
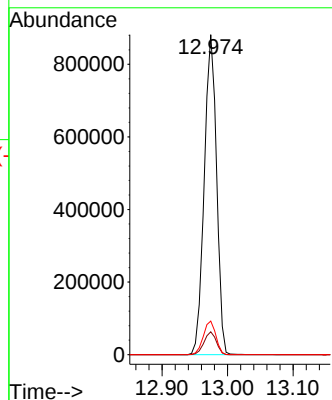
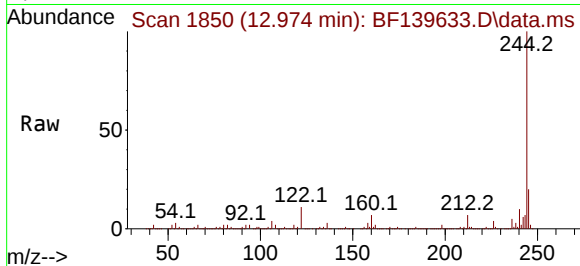




#79
 Terphenyl-d14
 Concen: 89.289 ng
 RT: 12.974 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139633.D
 Acq: 03 Oct 2024 16:05

Instrument :
 BNA_F
 ClientSampleId :
 BP-RW5FRACTANKSED-20240925

Tgt Ion:244 Resp: 1156229
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 10.5 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2278
 Delta R.T. -0.012 min
 Lab File: BF139633.D
 Acq: 03 Oct 2024 16:05

Tgt Ion:264 Resp: 203702
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 21.1 16.9 25.3

