

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140122.D
 Acq On : 29 Oct 2024 19:55
 Operator : RC/JU
 Sample : P4567-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Oct 30 01:04:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

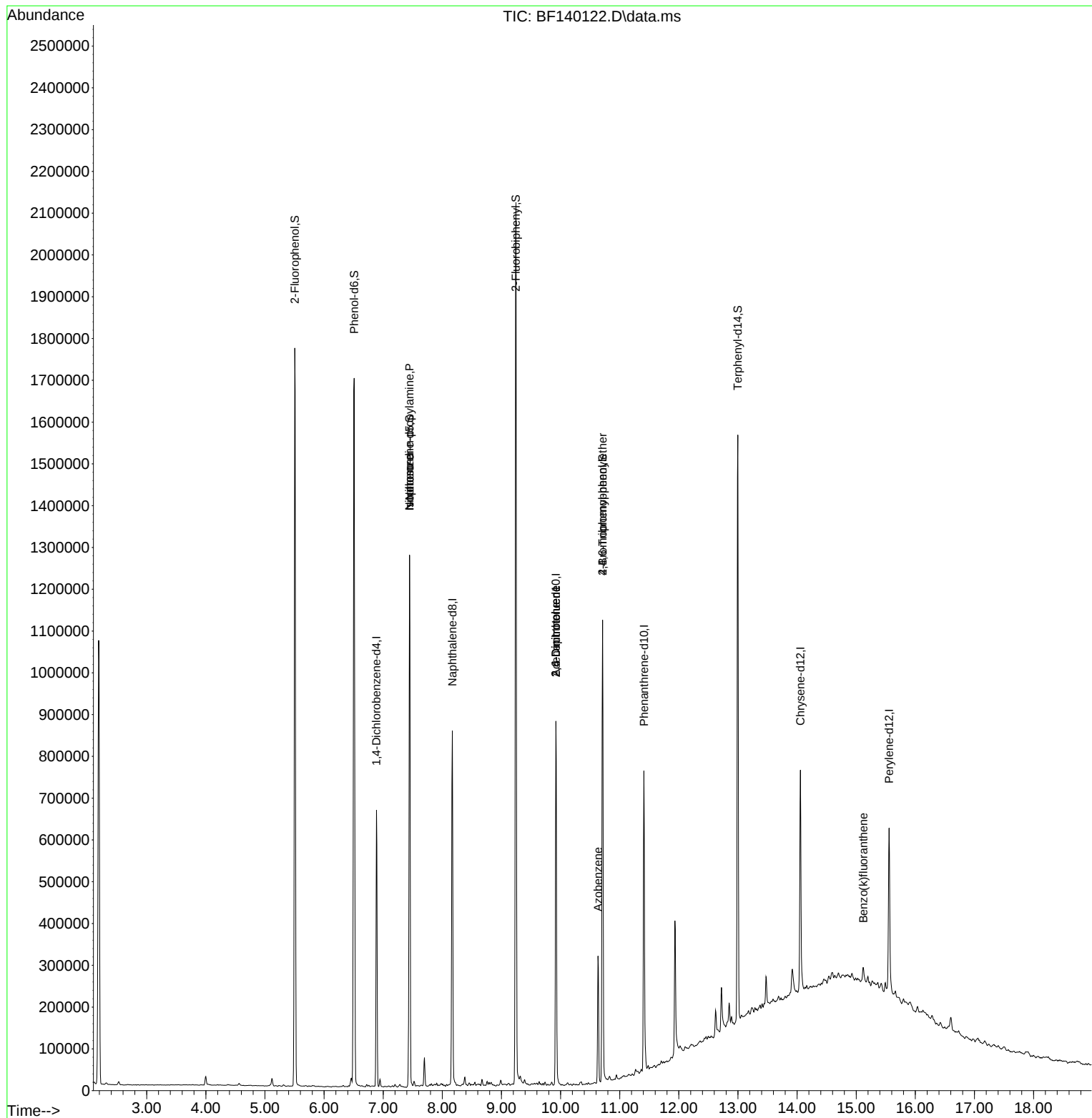
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	131136	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	503166	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260127	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	377150	20.000	ng	0.00
76) Chrysene-d12	14.057	240	247934	20.000	ng	0.00
86) Perylene-d12	15.557	264	240453	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	650779	77.689	ng	0.00
7) Phenol-d6	6.510	99	825440	76.083	ng	0.00
23) Nitrobenzene-d5	7.445	82	559177	61.593	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	182793	75.126	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	968740	61.548	ng	0.00
79) Terphenyl-d14	12.998	244	704754	46.318	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	75420	11.462	ng	# 78
25) Isophorone	7.445	82	554320	32.170	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	32703	9.322	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	32761	7.594	ng	# 21
63) Azobenzene	10.633	77	78758	4.670	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	12283	3.161	ng	# 1
89) Benzo(k)fluoranthene	15.121	252	26475	2.096	ng	# 77

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

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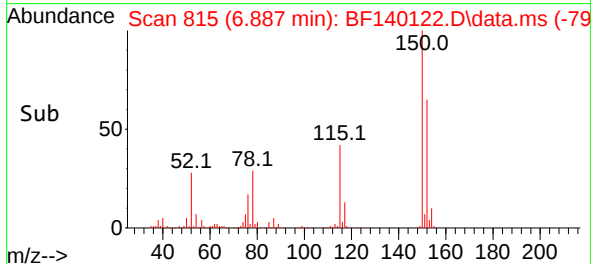
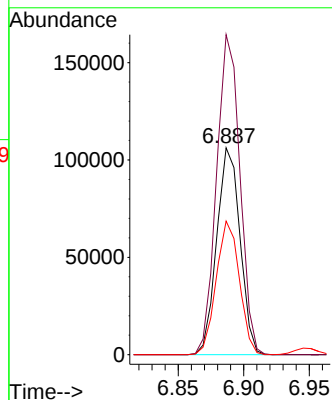
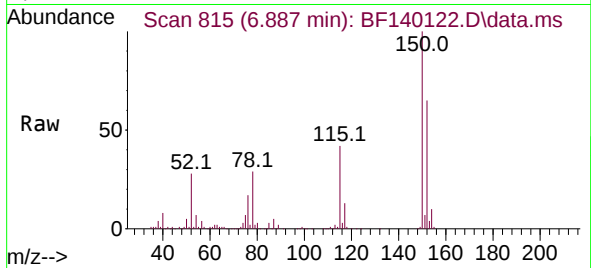




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

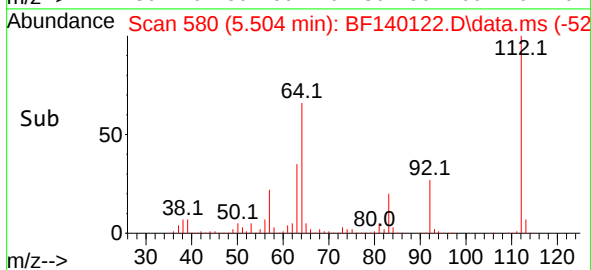
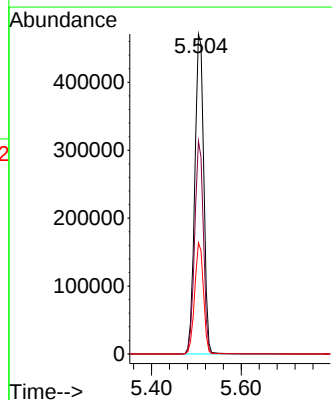
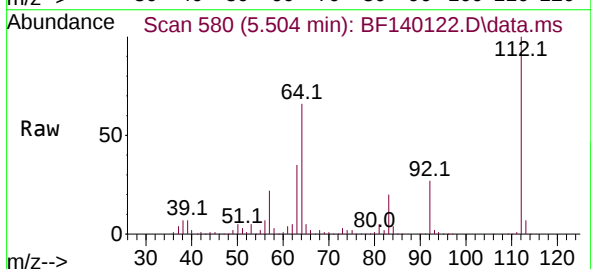
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:152 Resp: 131136
Ion Ratio Lower Upper
152 100
150 154.7 130.2 195.2
115 64.6 51.4 77.2



#5
2-Fluorophenol
Concen: 77.689 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Tgt Ion:112 Resp: 650779
Ion Ratio Lower Upper
112 100
64 66.5 53.0 79.6
63 34.8 27.0 40.4

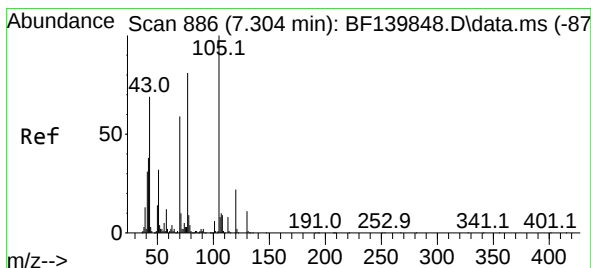
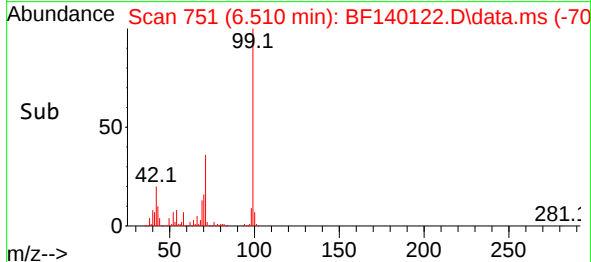
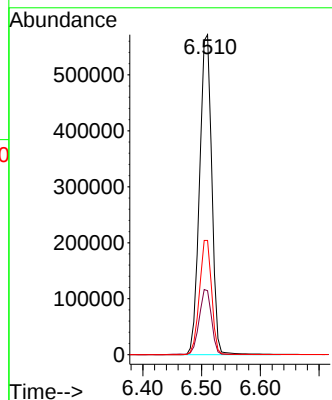
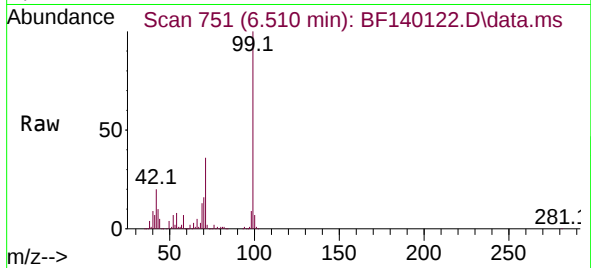




#7
Phenol-d6
Concen: 76.083 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

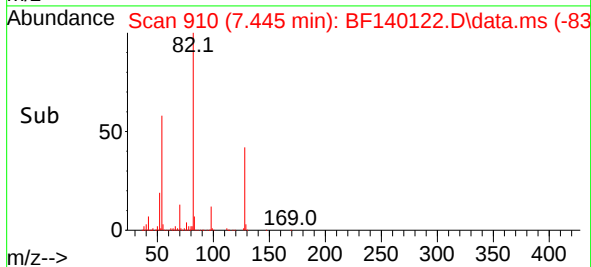
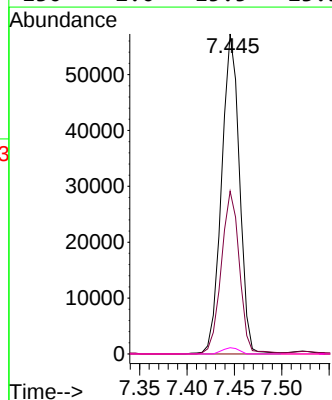
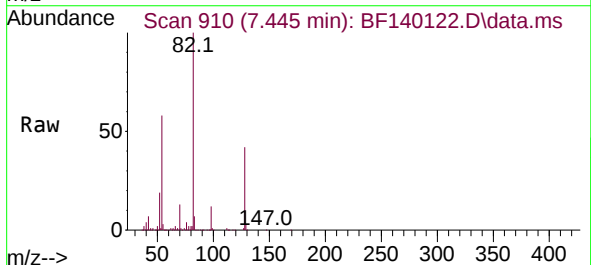
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:	99	Resp:	825440
Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.7	25.1
71	35.7	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.462 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Tgt Ion:	70	Resp:	75420
Ion	Ratio	Lower	Upper
70	100		
42	50.9	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#

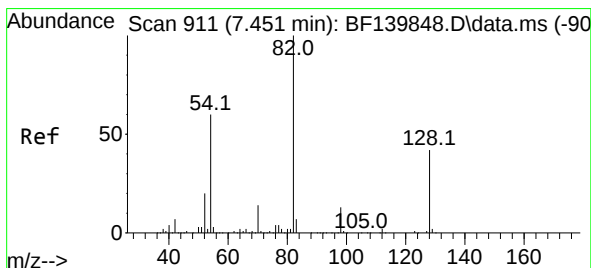
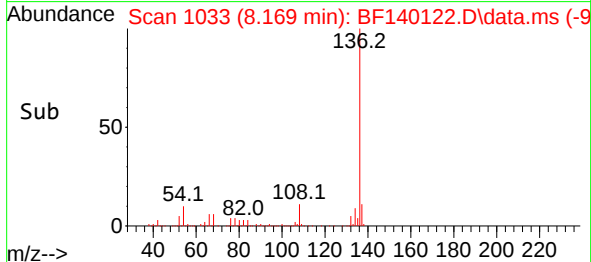
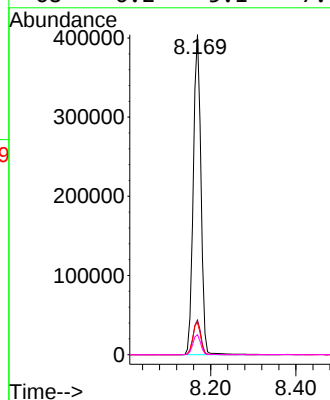
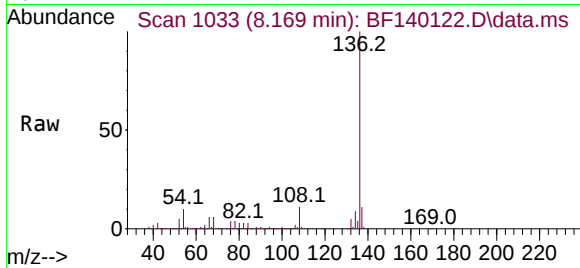




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

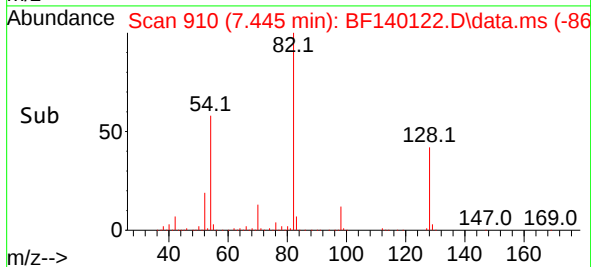
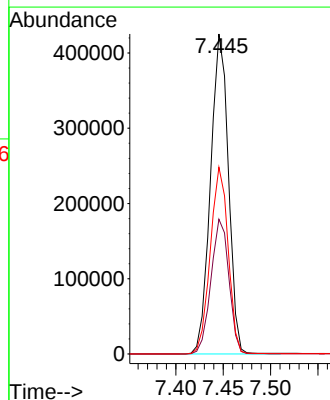
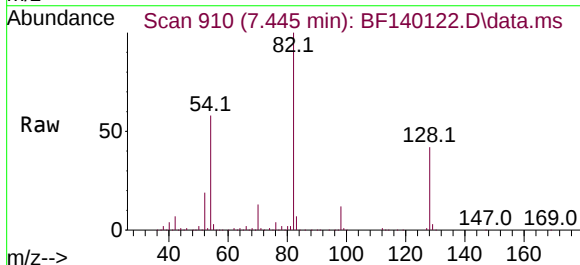
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:	136	Resp:	503166
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.1	8.4	12.6
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 61.593 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Tgt Ion:	82	Resp:	559177
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.4	50.0
54	58.4	47.8	71.8

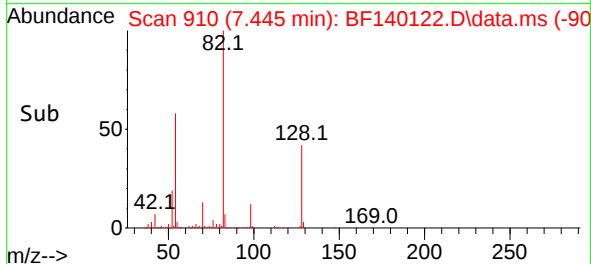
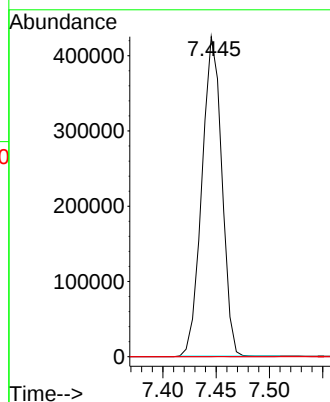
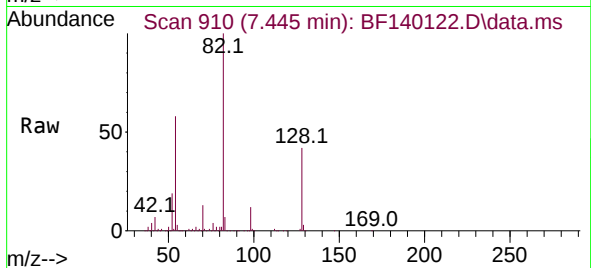




#25
Isophorone
Concen: 32.170 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

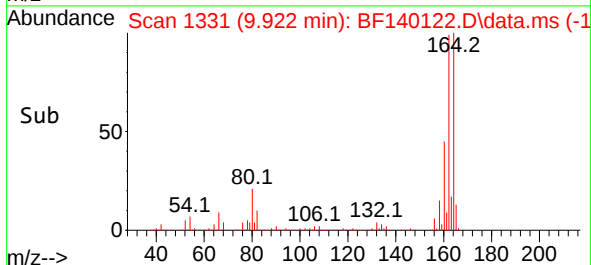
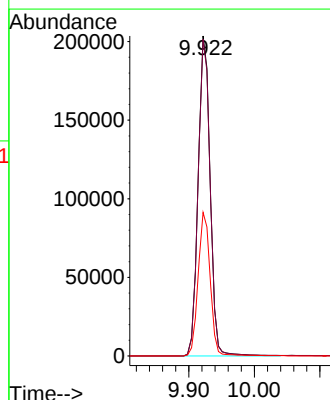
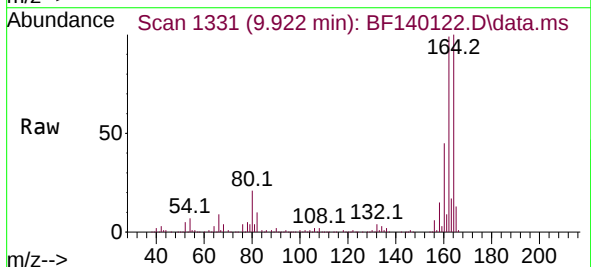
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 82 Resp: 554320
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

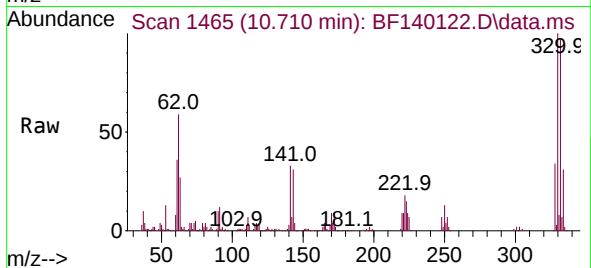
Tgt Ion:164 Resp: 260127
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.4
160 44.9 35.4 53.0



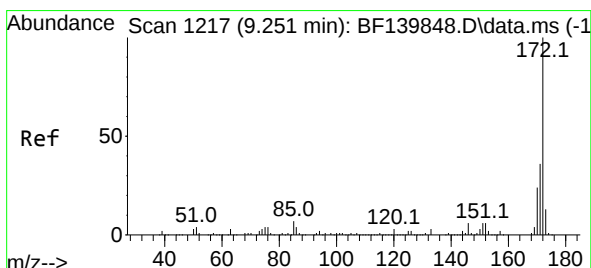
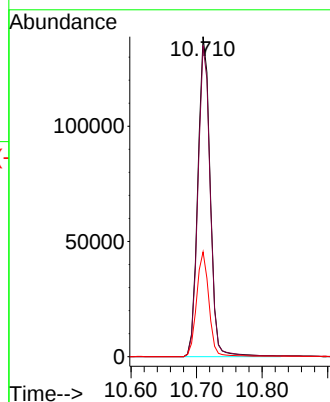
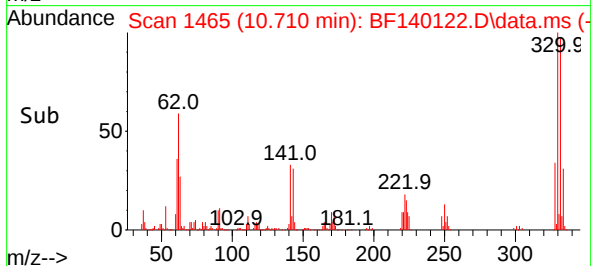


#42
2,4,6-Tribromophenol
Concen: 75.126 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
WC-2

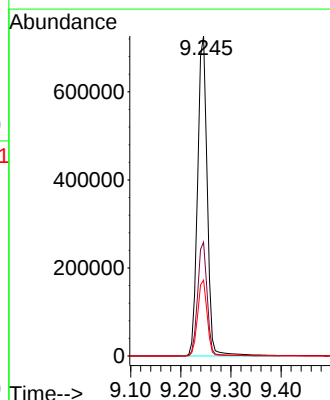
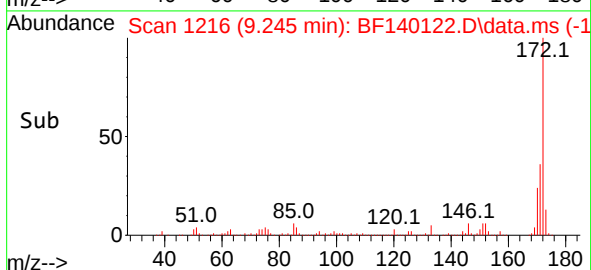
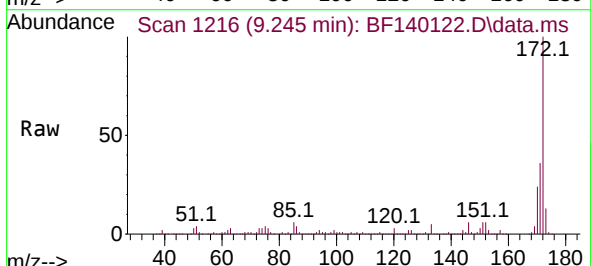


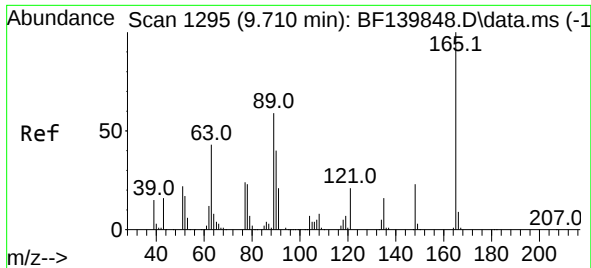
Tgt Ion:330 Resp: 182793
Ion Ratio Lower Upper
330 100
332 97.2 78.1 117.1
141 32.8 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 61.548 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Tgt Ion:172 Resp: 968740
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.7 19.1 28.7

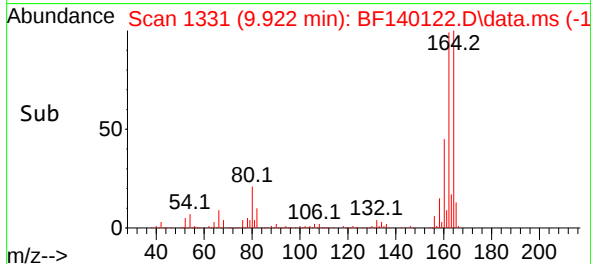
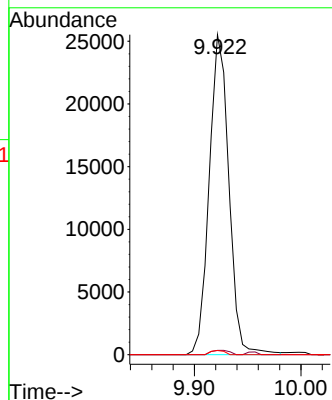
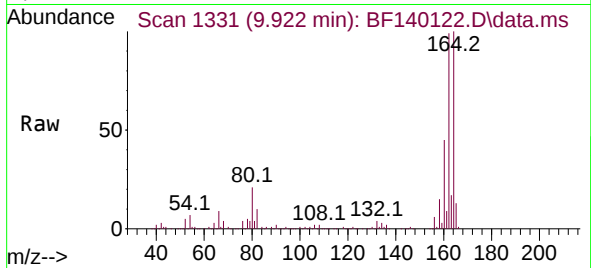




#51
2,6-Dinitrotoluene
Concen: 9.322 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

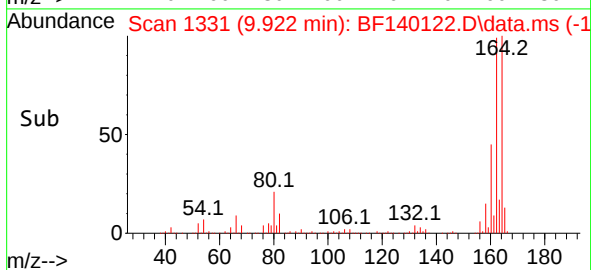
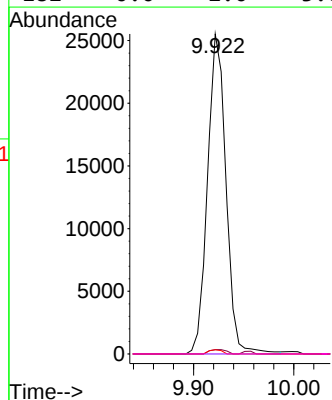
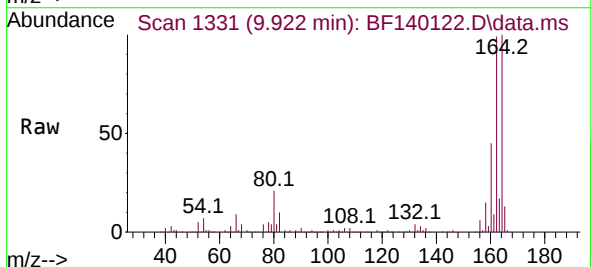
Instrument :
BNA_F
ClientSampleId :
WC-2

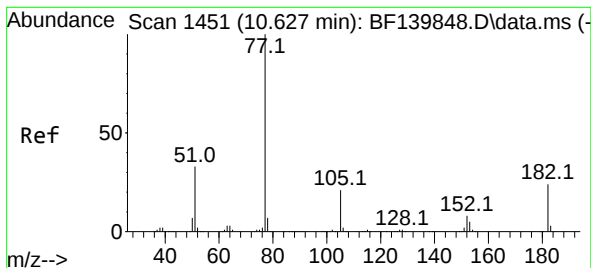
Tgt Ion:165 Resp: 32703
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.594 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Tgt Ion:165 Resp: 32761
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 4.670 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140122.D

Acq: 29 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

WC-2

Tgt Ion: 77 Resp: 78758

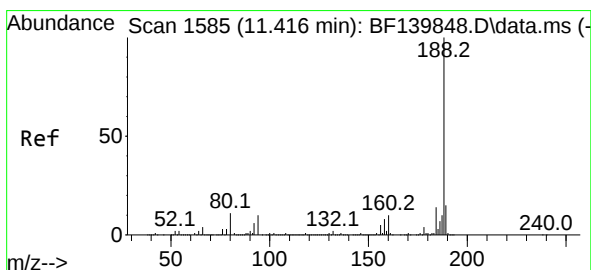
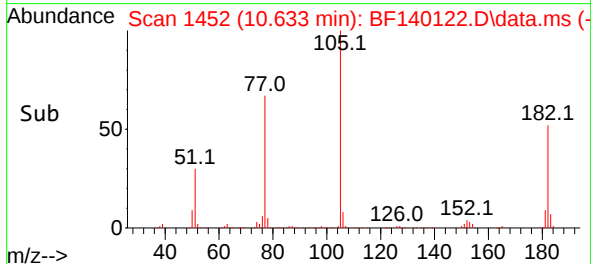
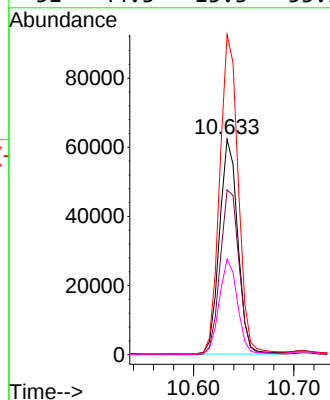
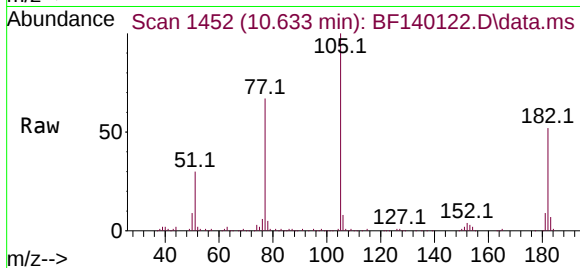
Ion Ratio Lower Upper

77 100

182 76.6 3.3 43.3#

105 148.6 1.2 41.2#

51 44.3 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140122.D

Acq: 29 Oct 2024 19:55

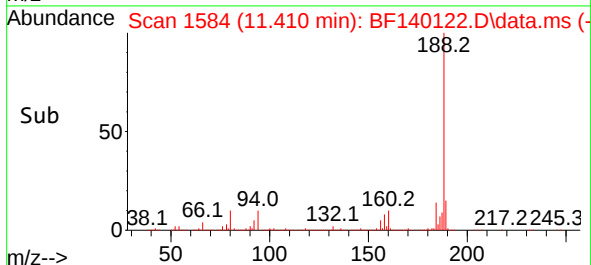
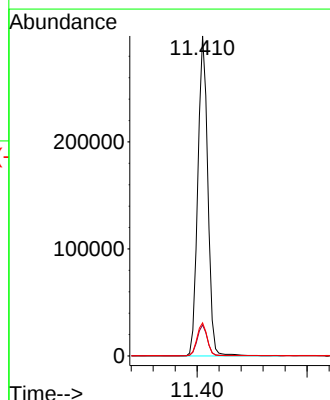
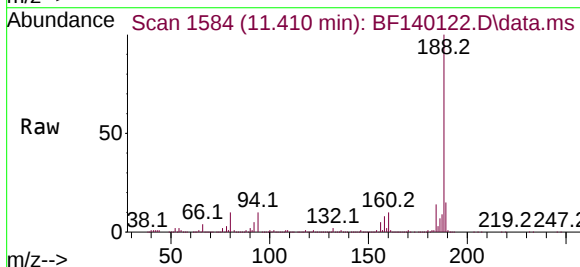
Tgt Ion:188 Resp: 377150

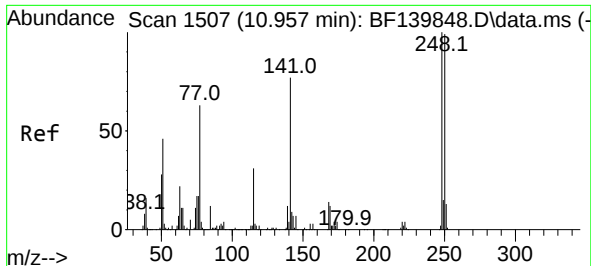
Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

80 10.3 9.0 13.4

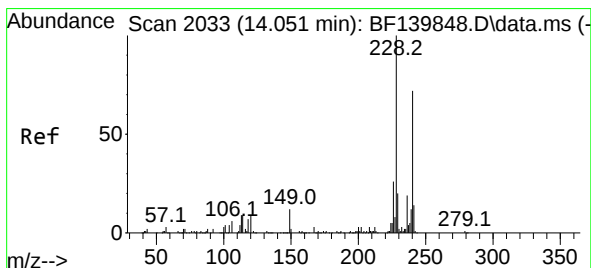
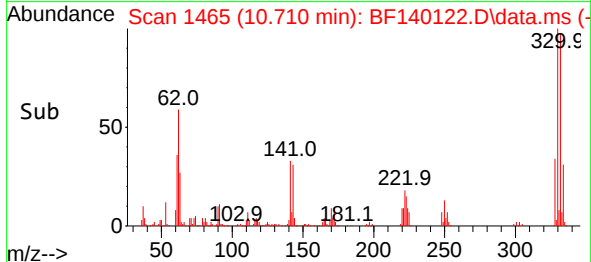
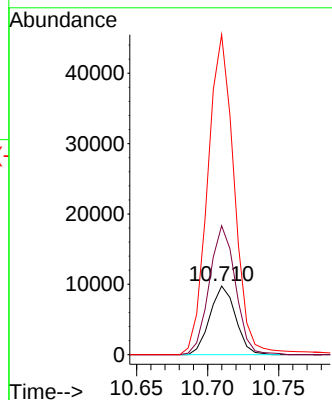
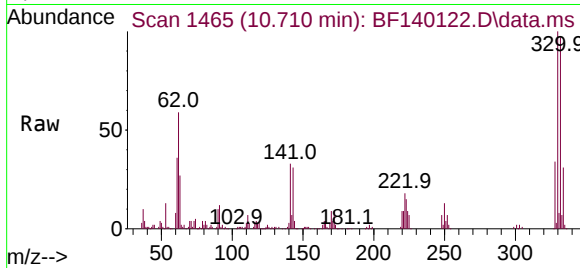




#67
4-Bromophenyl-phenylether
Concen: 3.161 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

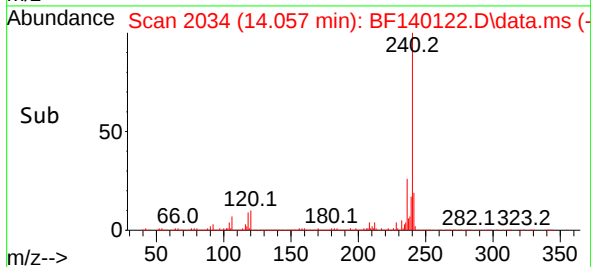
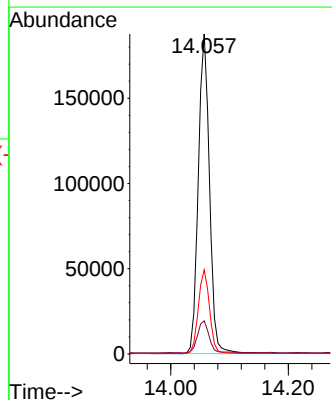
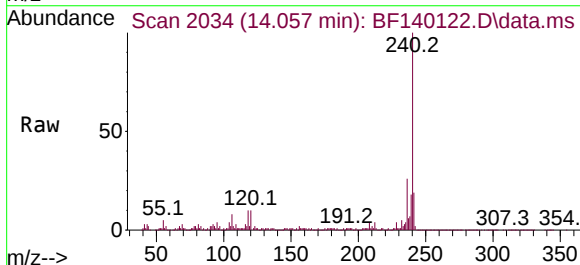
Instrument :
BNA_F
ClientSampleId :
WC-2

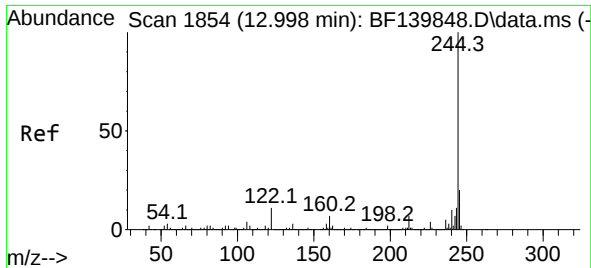
Tgt Ion:248 Resp: 12283
Ion Ratio Lower Upper
248 100
250 188.0 79.0 118.6#
141 466.4 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140122.D
Acq: 29 Oct 2024 19:55

Tgt Ion:240 Resp: 247934
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.3 20.9 31.3

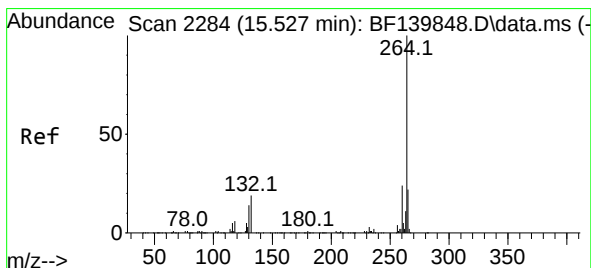
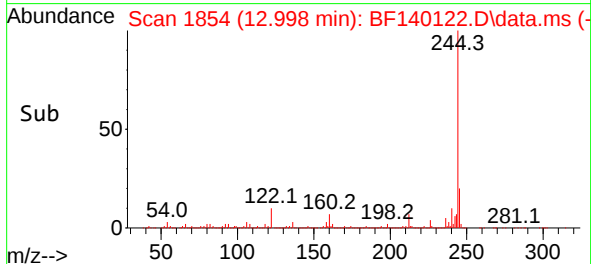
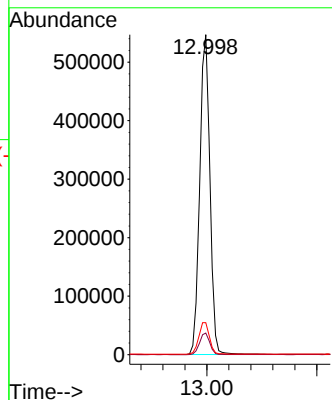
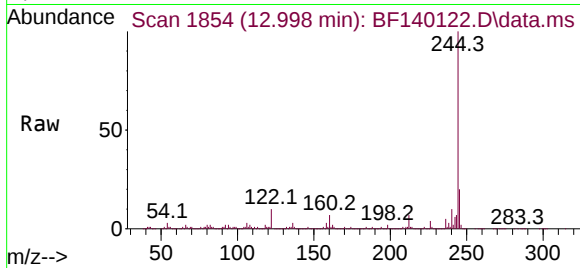




#79
 Terphenyl-d14
 Concen: 46.318 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140122.D
 Acq: 29 Oct 2024 19:55

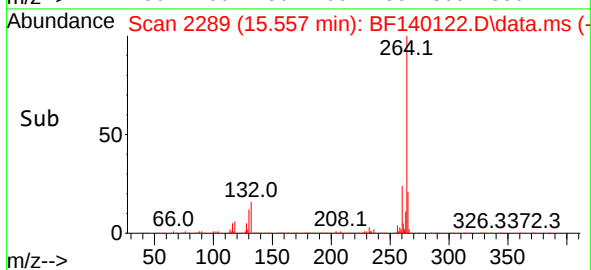
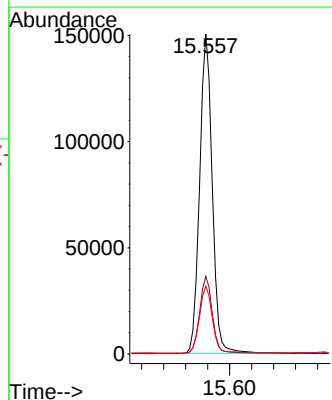
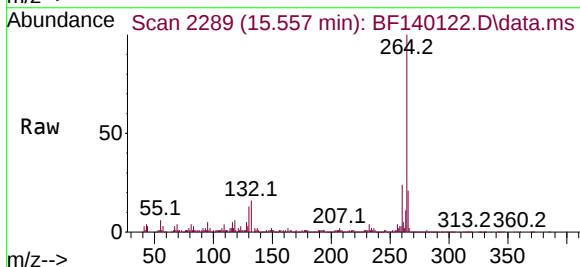
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

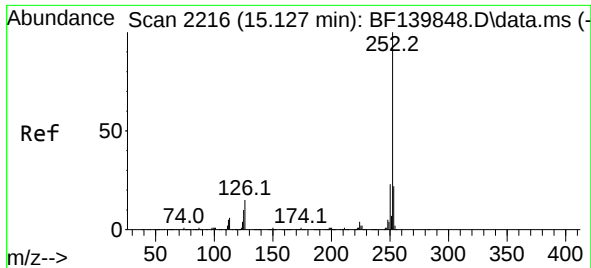
Tgt Ion:244 Resp: 704754
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.0 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2289
 Delta R.T. 0.030 min
 Lab File: BF140122.D
 Acq: 29 Oct 2024 19:55

Tgt Ion:264 Resp: 240453
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.2 17.4 26.0





#89

Benzo(k)fluoranthene

Concen: 2.096 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140122.D

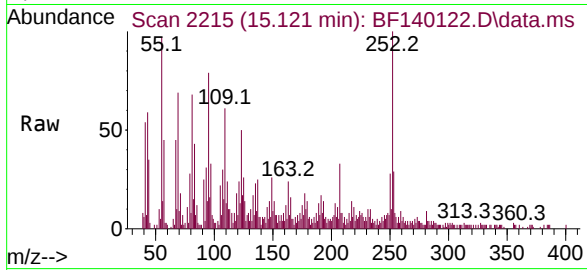
Acq: 29 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:252 Resp: 26475

Ion Ratio Lower Upper

252 100

253 28.5 17.6 26.4#

125 25.5 7.9 11.9#

