

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121124\
 Data File : BF140831.D
 Acq On : 11 Dec 2024 16:08
 Operator : RC/JU
 Sample : P5239-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 11 17:38:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

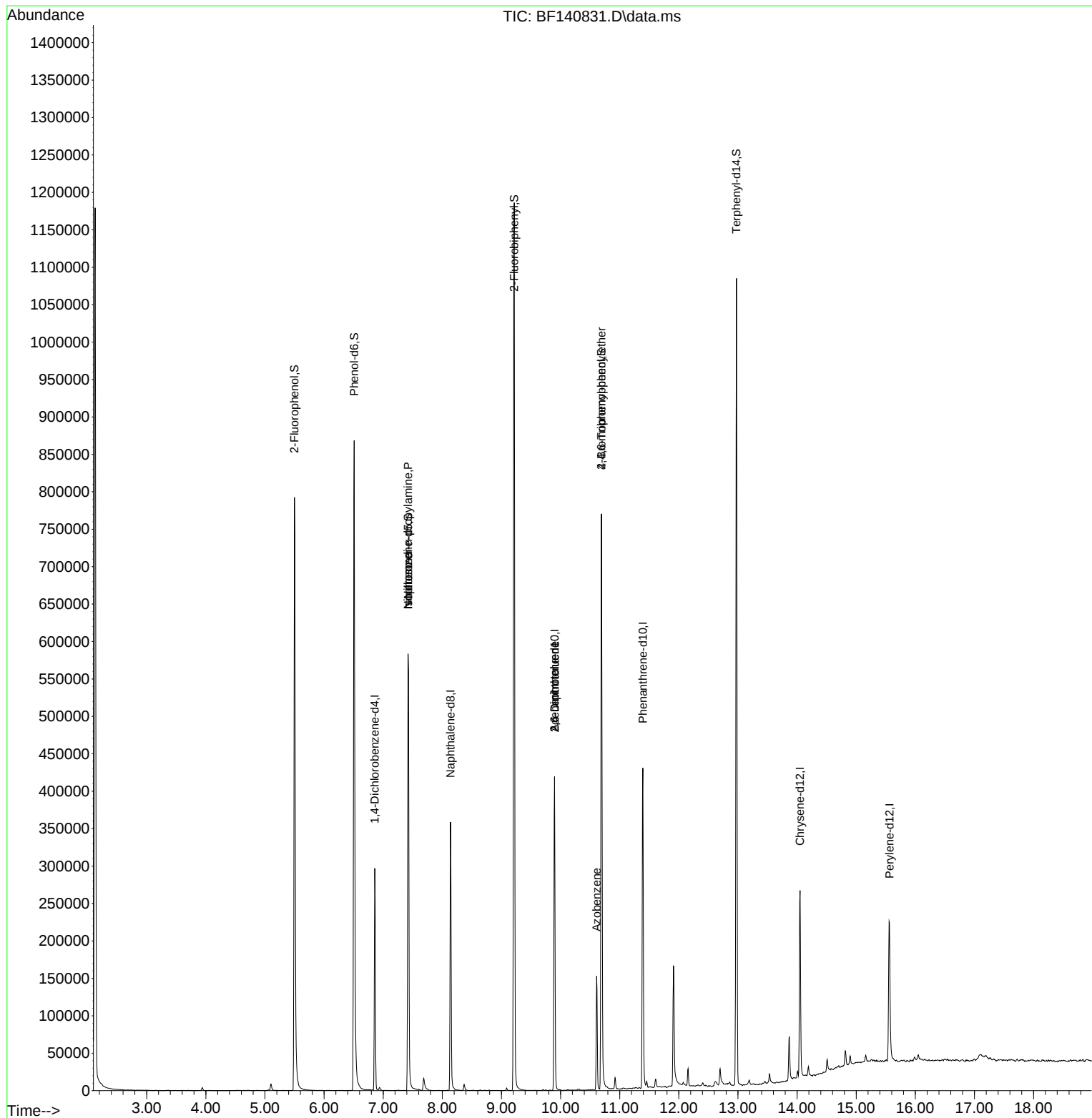
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	61966	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	237246	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	131219	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	248446	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	134255	20.000	ng	0.00
86) Perylene-d12	15.562	264	131741	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	332719	91.613	ng	0.00
7) Phenol-d6	6.510	99	450937	93.920	ng	0.00
23) Nitrobenzene-d5	7.422	82	281029	60.590	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	139416	99.342	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	550174	62.470	ng	-0.02
79) Terphenyl-d14	12.974	244	525050	60.897	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	38285	13.492	ng	# 77
25) Isophorone	7.422	82	281026	36.326	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	17014	8.681	ng	# 19
57) 2,4-Dinitrotoluene	9.898	165	17014	6.532	ng	# 17
63) Azobenzene	10.610	77	41296	4.966	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	9030	3.529	ng	# 1

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

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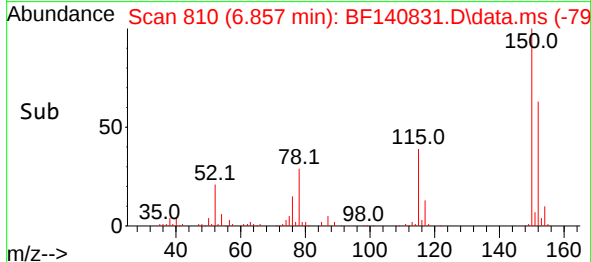
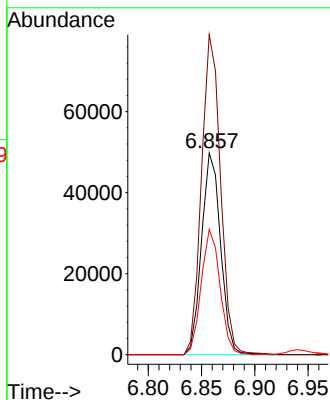
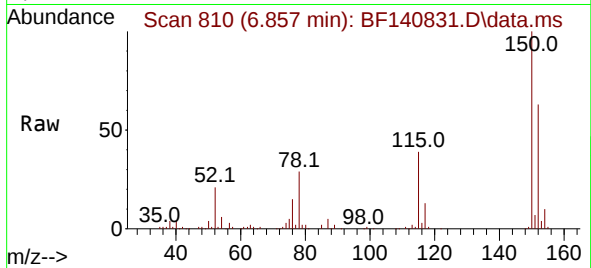




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

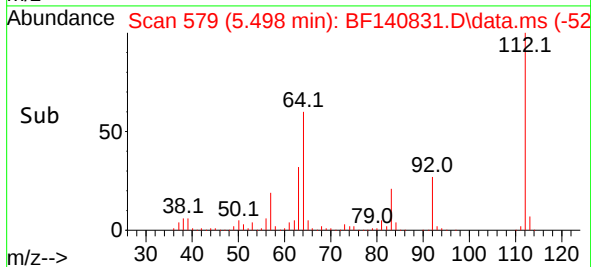
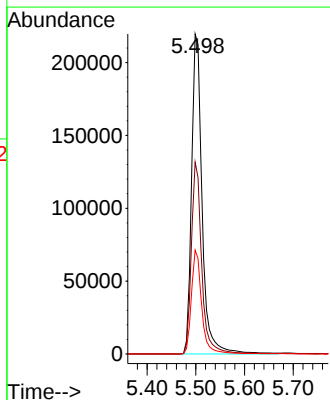
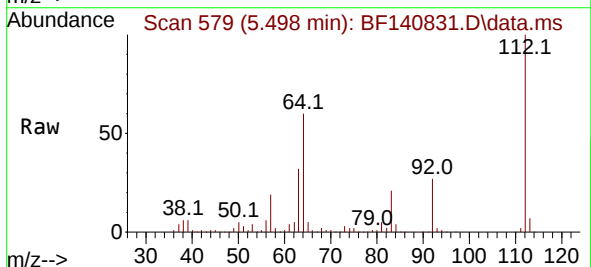
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 61966
Ion Ratio Lower Upper
152 100
150 158.5 128.5 192.7
115 62.1 50.2 75.4



#5
2-Fluorophenol
Concen: 91.613 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

Tgt Ion:112 Resp: 332719
Ion Ratio Lower Upper
112 100
64 60.0 49.2 73.8
63 32.4 27.0 40.4

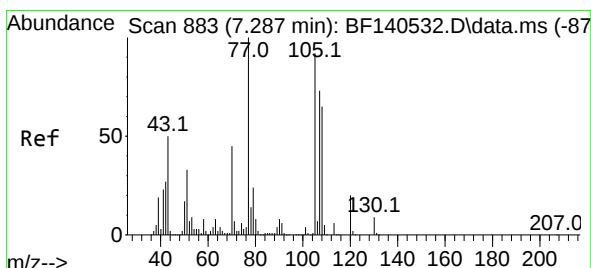
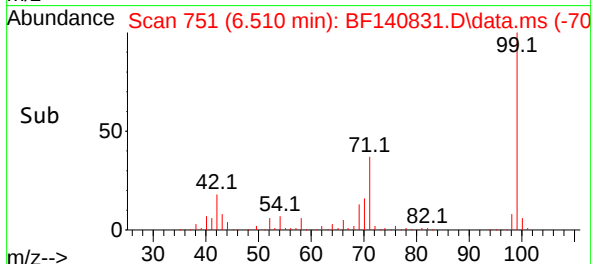
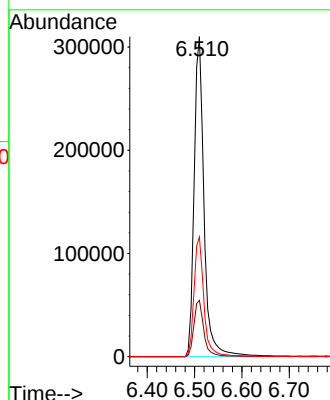
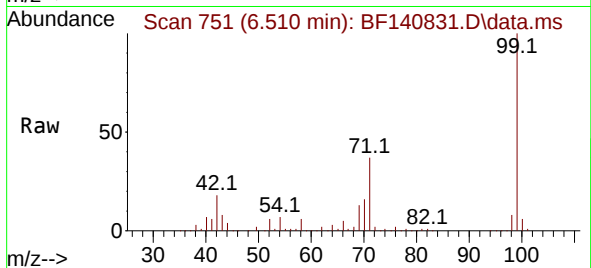




#7
Phenol-d6
Concen: 93.920 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

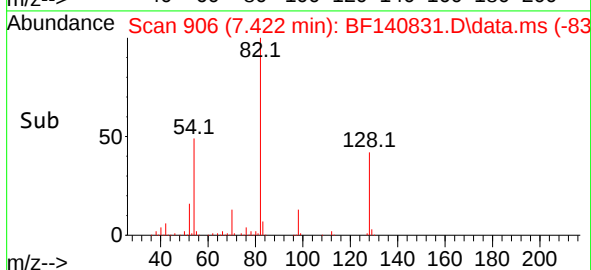
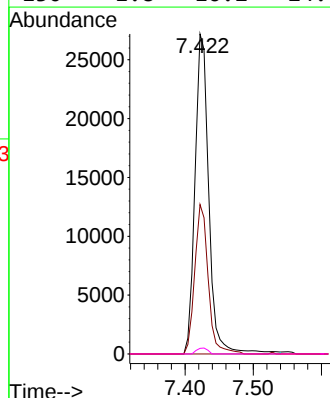
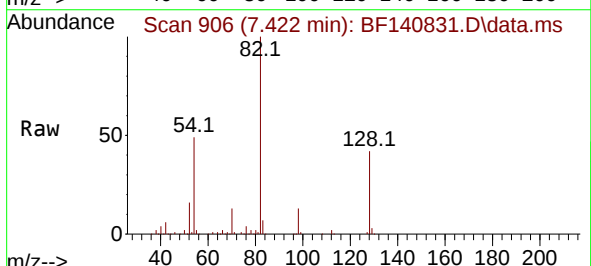
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 450937
Ion Ratio Lower Upper
99 100
42 17.6 15.4 23.0
71 37.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.492 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

Tgt Ion: 70 Resp: 38285
Ion Ratio Lower Upper
70 100
42 46.7 47.6 71.4#
101 0.0 7.6 11.4#
130 1.8 16.2 24.4#

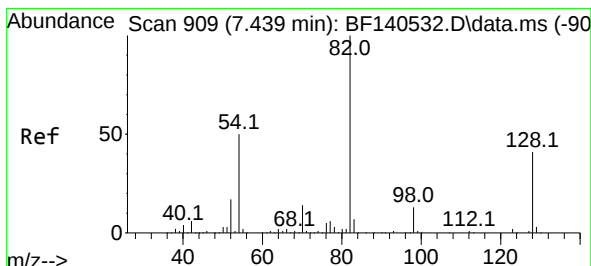
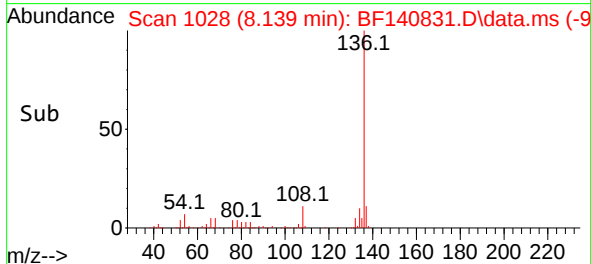
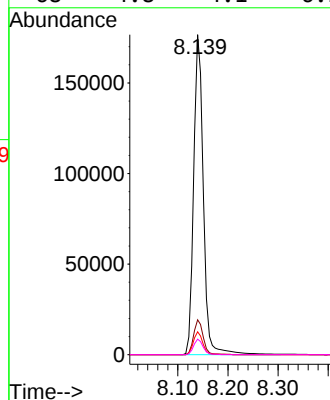
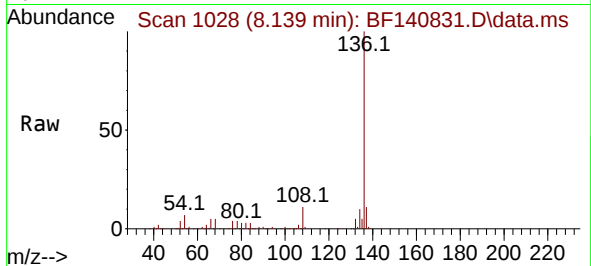




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

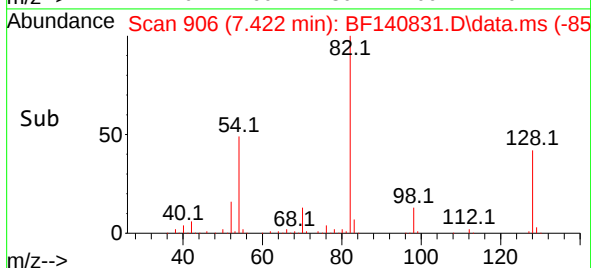
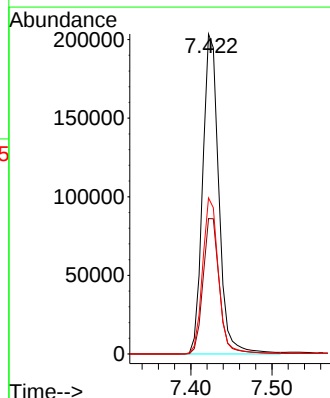
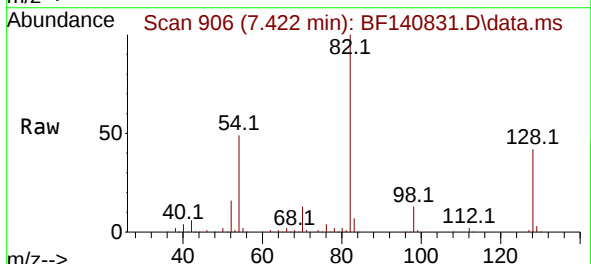
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:	136	Resp:	237246
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	7.2	5.8	8.8
68	4.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 60.590 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

Tgt Ion:	82	Resp:	281029
Ion Ratio	Lower	Upper	
82	100		
128	42.3	33.0	49.4
54	48.8	39.5	59.3

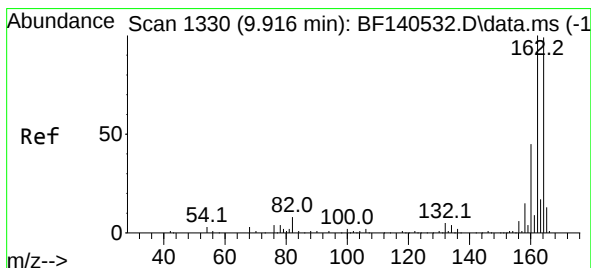
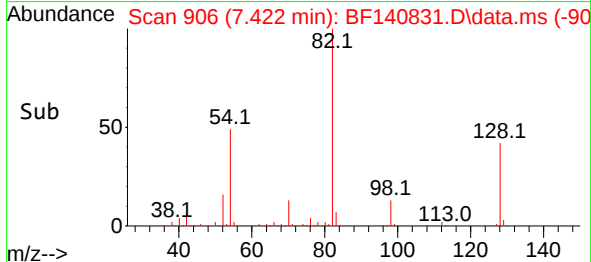
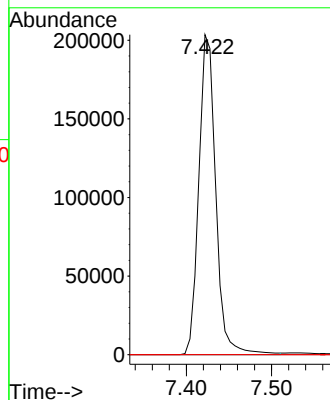
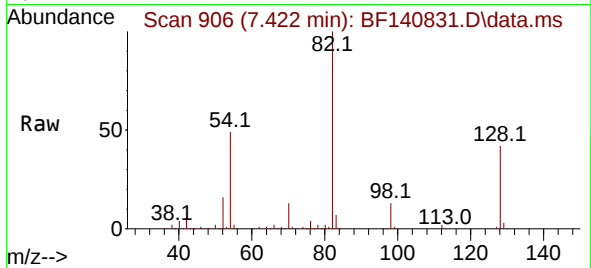




#25
Isophorone
Concen: 36.326 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

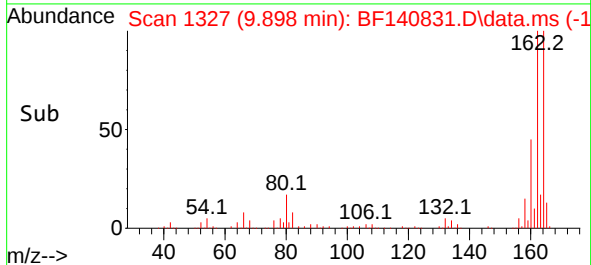
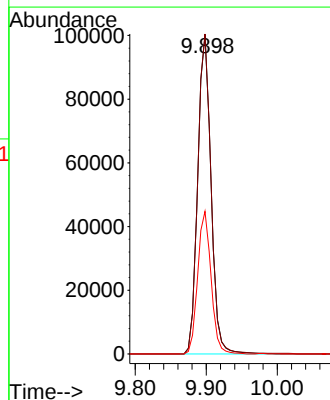
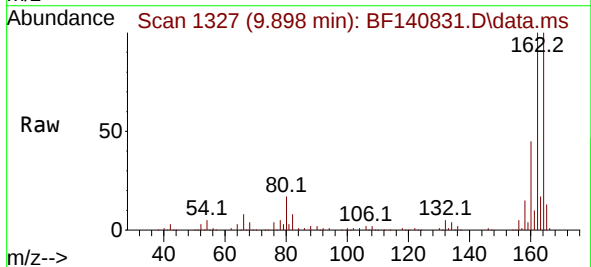
Instrument :
BNA_F
ClientSampleId :
WC-1

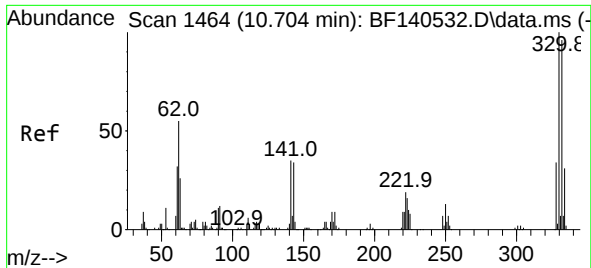
Tgt Ion: 82 Resp: 281026
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

Tgt Ion: 164 Resp: 131219
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 44.8 36.2 54.4

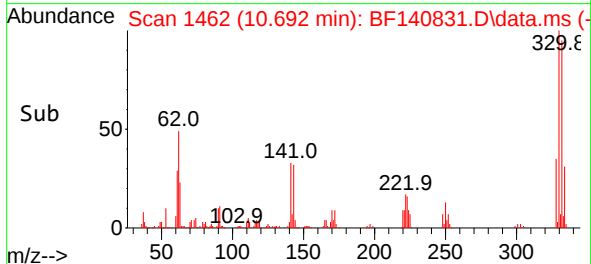
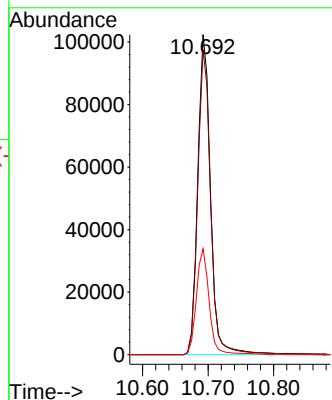
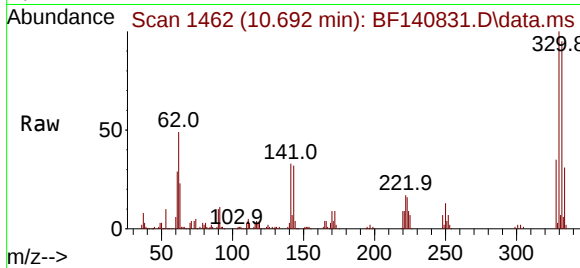




#42
2,4,6-Tribromophenol
Concen: 99.342 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

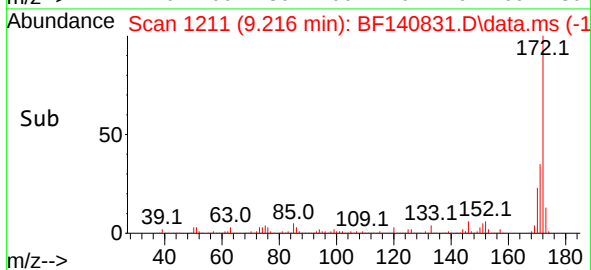
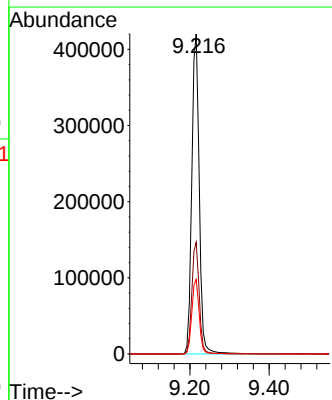
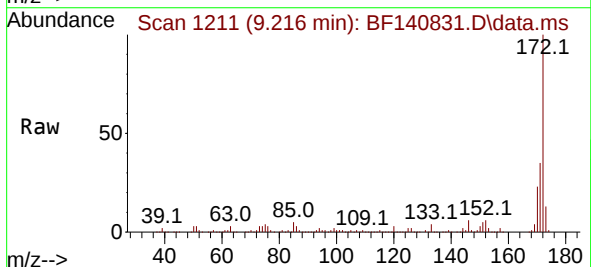
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:330 Resp: 139416
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 33.0 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 62.470 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

Tgt Ion:172 Resp: 550174
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.3 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.681 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF140831.D

Acq: 11 Dec 2024 16:08

Instrument :

BNA_F

ClientSampleId :

WC-1

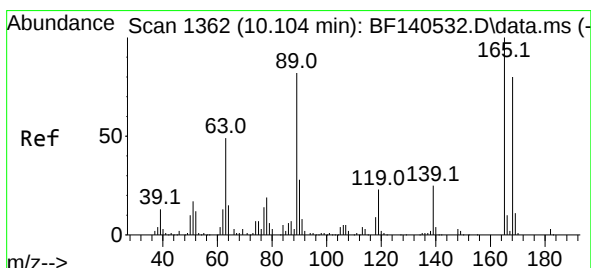
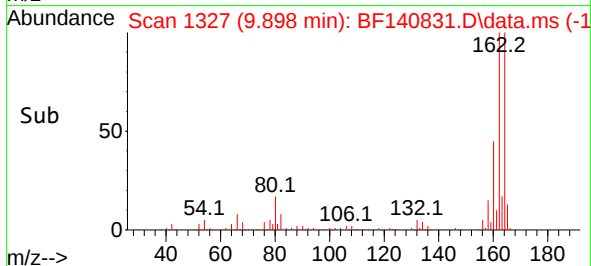
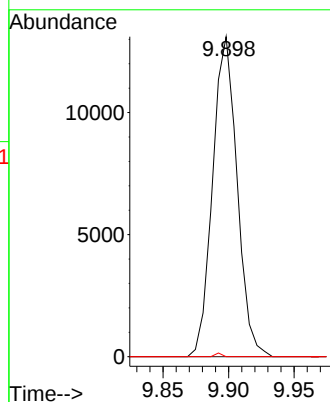
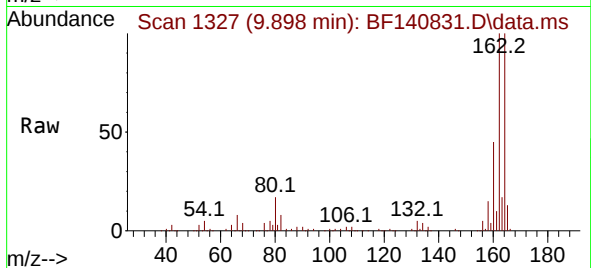
Tgt Ion:165 Resp: 17014

Ion Ratio Lower Upper

165 100

63 0.0 49.9 74.9#

89 0.0 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 6.532 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.206 min

Lab File: BF140831.D

Acq: 11 Dec 2024 16:08

Tgt Ion:165 Resp: 17014

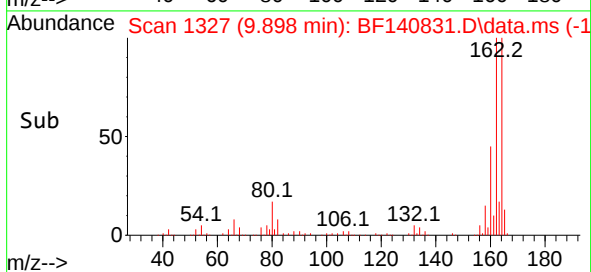
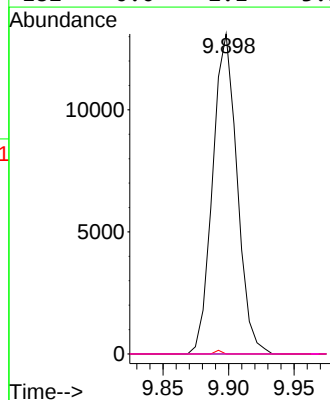
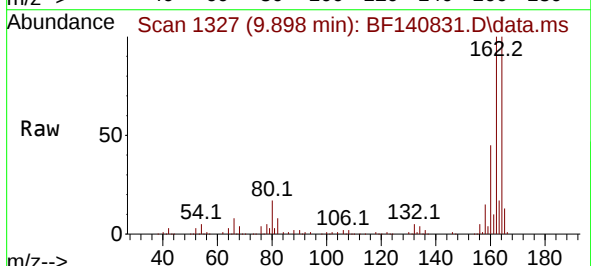
Ion Ratio Lower Upper

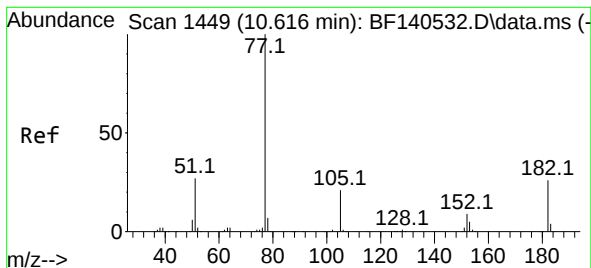
165 100

63 0.0 41.7 62.5#

89 0.0 65.8 98.8#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 4.966 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140831.D

Acq: 11 Dec 2024 16:08

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 77 Resp: 41296

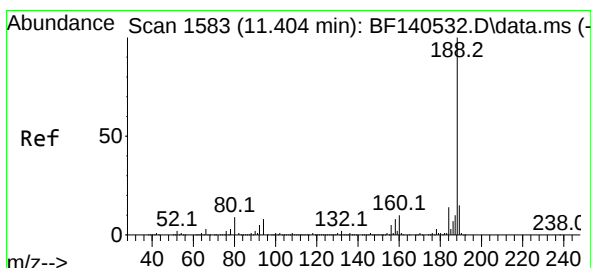
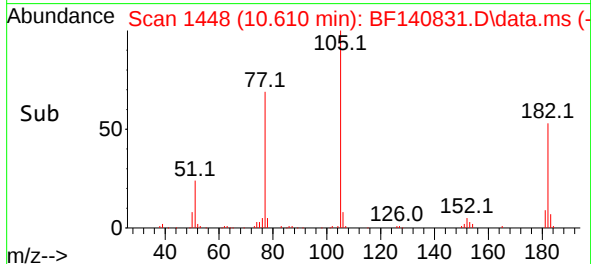
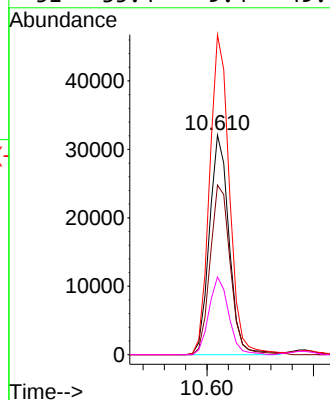
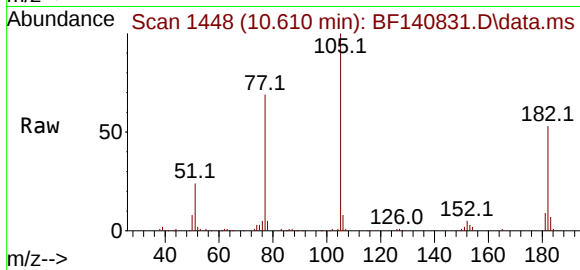
Ion Ratio Lower Upper

77 100

182 77.2 5.3 45.3#

105 145.7 0.3 40.3#

51 35.4 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF140831.D

Acq: 11 Dec 2024 16:08

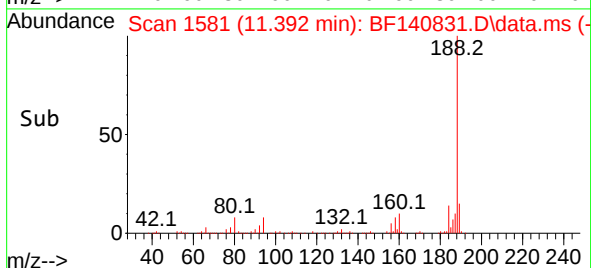
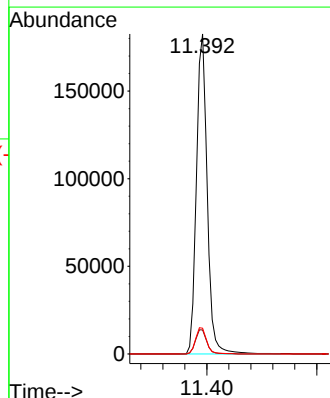
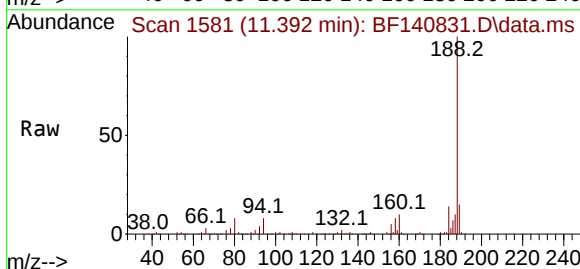
Tgt Ion: 188 Resp: 248446

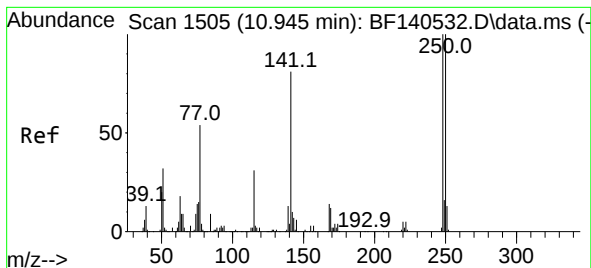
Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.1 6.9 10.3

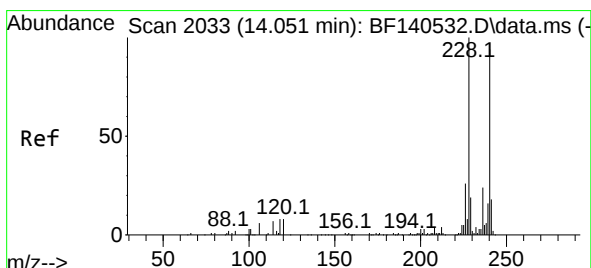
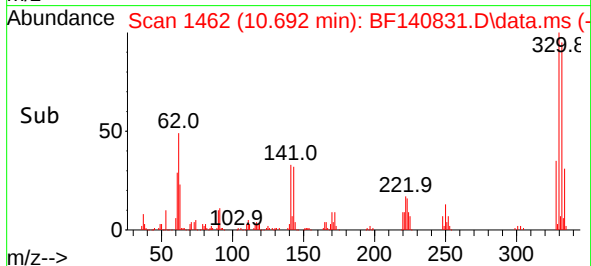
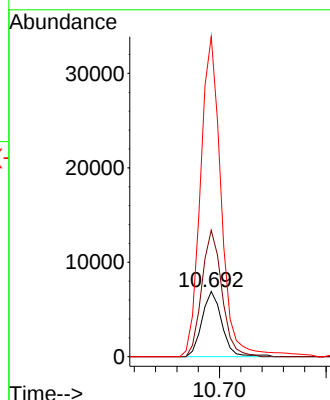
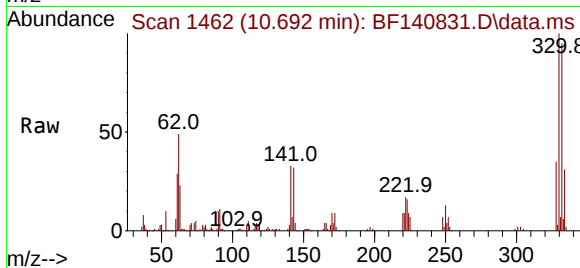




#67
4-Bromophenyl-phenylether
Concen: 3.529 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

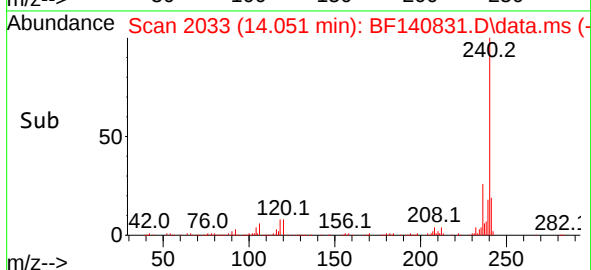
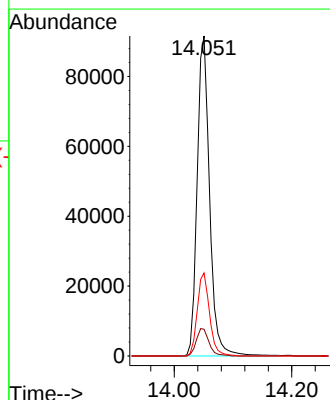
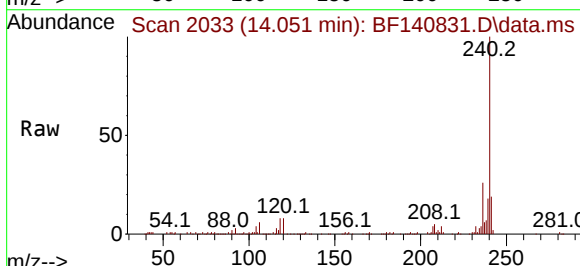
Instrument :
BNA_F
ClientSampleId :
WC-1

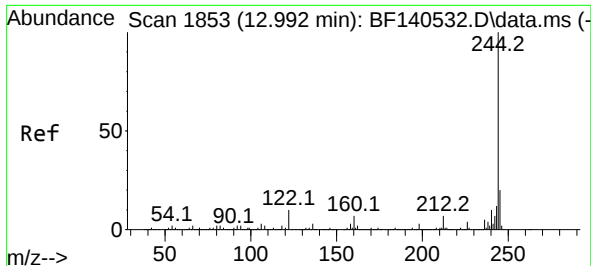
Tgt Ion:248 Resp: 9030
Ion Ratio Lower Upper
248 100
250 193.9 79.8 119.8#
141 491.0 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140831.D
Acq: 11 Dec 2024 16:08

Tgt Ion:240 Resp: 134255
Ion Ratio Lower Upper
240 100
120 8.4 7.3 10.9
236 25.9 20.6 31.0

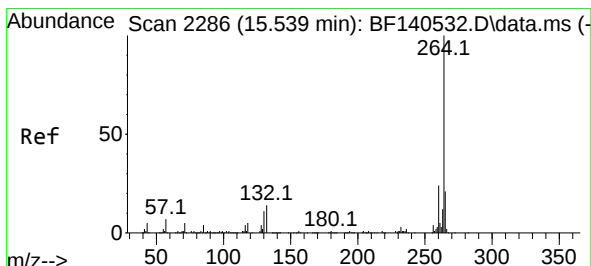
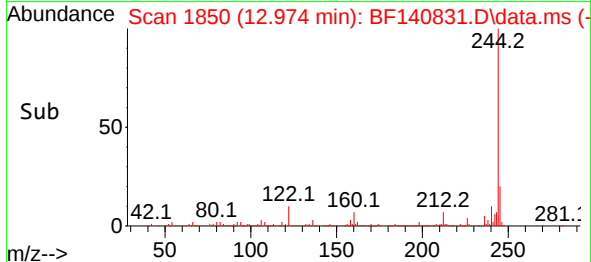
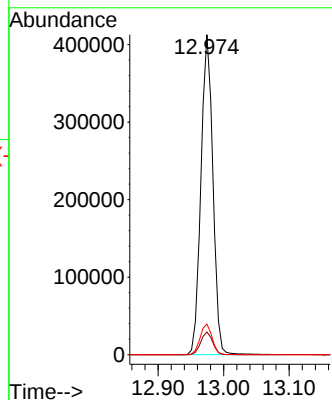
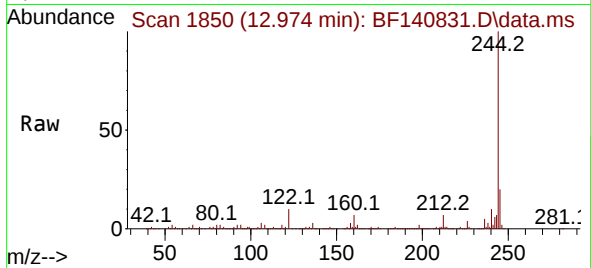




#79
 Terphenyl-d14
 Concen: 60.897 ng
 RT: 12.974 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF140831.D
 Acq: 11 Dec 2024 16:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 525050
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 9.5 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2290
 Delta R.T. 0.024 min
 Lab File: BF140831.D
 Acq: 11 Dec 2024 16:08

Tgt Ion:264 Resp: 131741
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 20.8 16.6 25.0

