

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141331.D
 Acq On : 31 Jan 2025 14:46
 Operator : RC/JU
 Sample : Q1209-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Jan 31 15:12:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

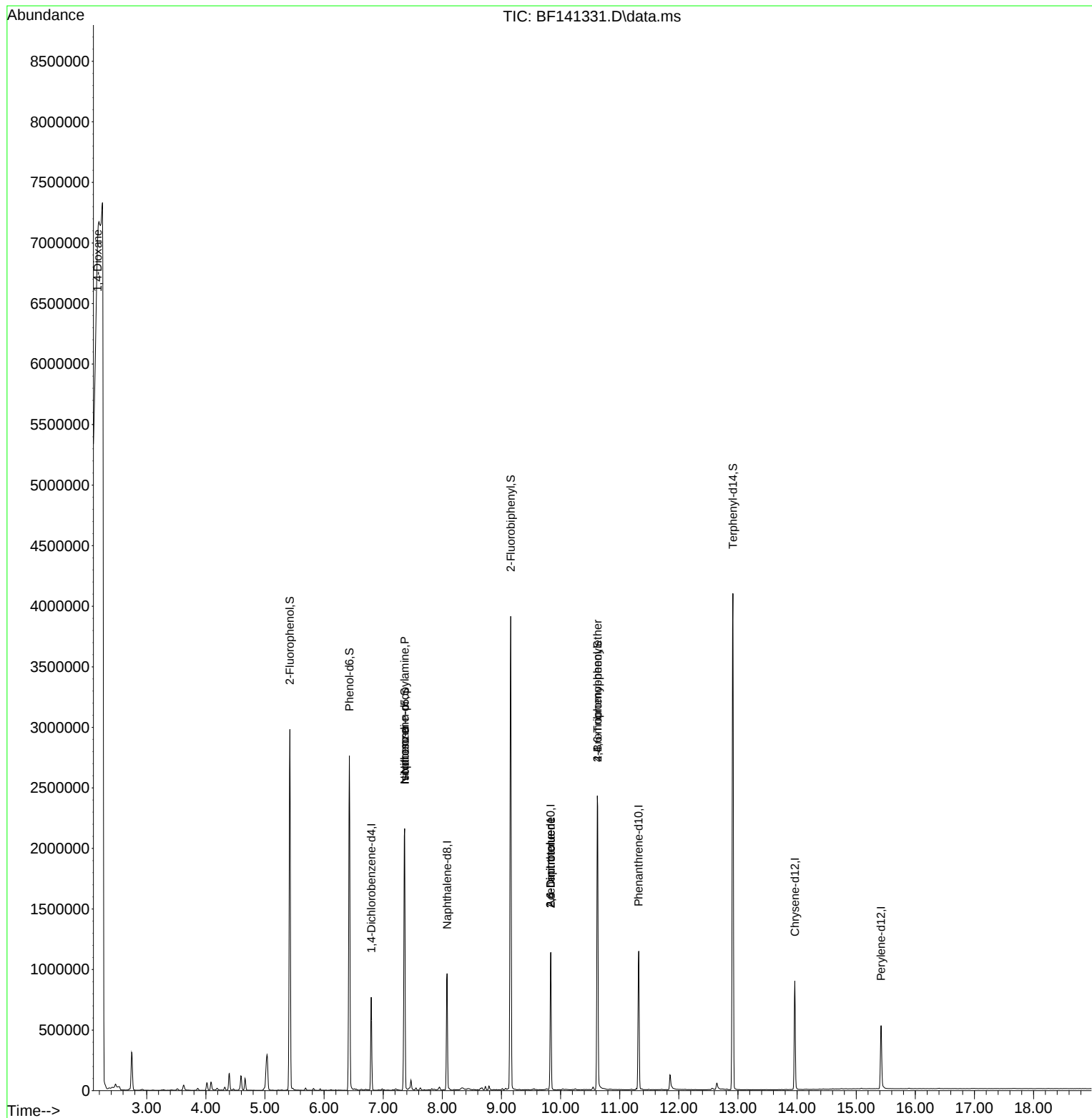
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	152587	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	617539	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	333708	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	582549	20.000	ng	0.00
76) Chrysene-d12	13.962	240	429424	20.000	ng	-0.01
86) Perylene-d12	15.421	264	313390	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1152924	115.998	ng	0.01
7) Phenol-d6	6.428	99	1349187	106.706	ng	-0.01
23) Nitrobenzene-d5	7.363	82	1024140	87.426	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	423925	138.568	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1829939	84.404	ng	0.00
79) Terphenyl-d14	12.915	244	2159117	77.540	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.169	88	14947	3.419	ng	# 15
19) n-Nitroso-di-n-propyla...	7.363	70	137416	18.290	ng	# 75
25) Isophorone	7.363	82	1011249	49.940	ng	# 65
51) 2,6-Dinitrotoluene	9.833	165	43405	8.294	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	43405	6.406	ng	# 23
67) 4-Bromophenyl-phenylether	10.627	248	28346	4.346	ng	# 1

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

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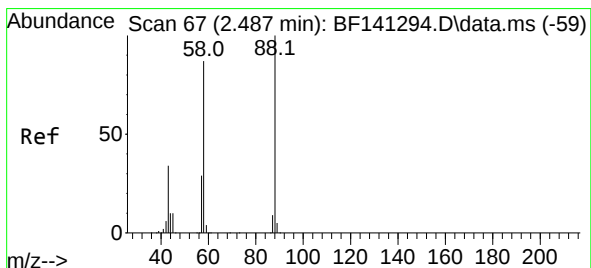
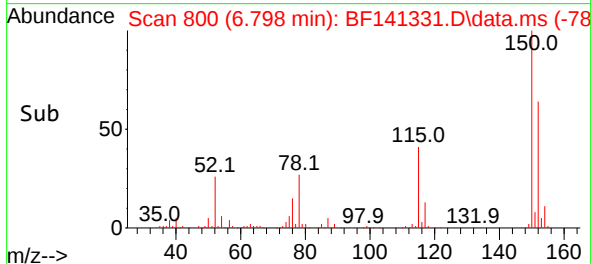
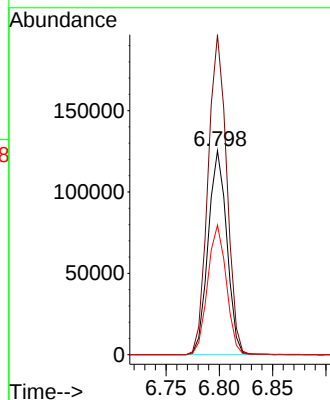
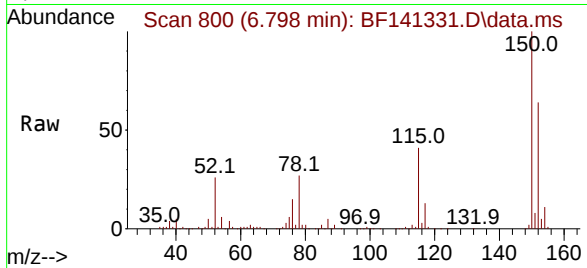




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141331.D
 Acq: 31 Jan 2025 14:46

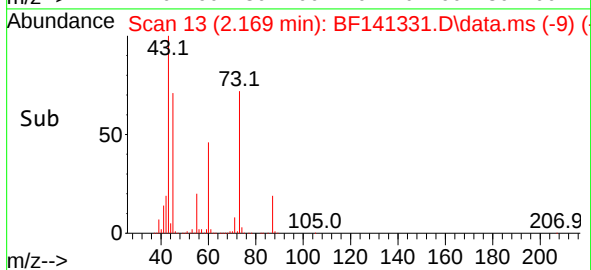
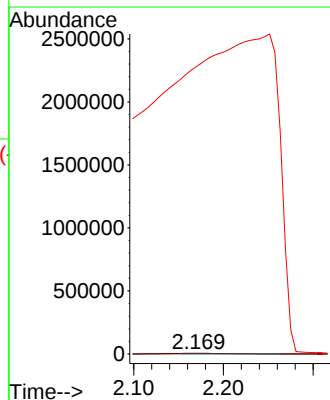
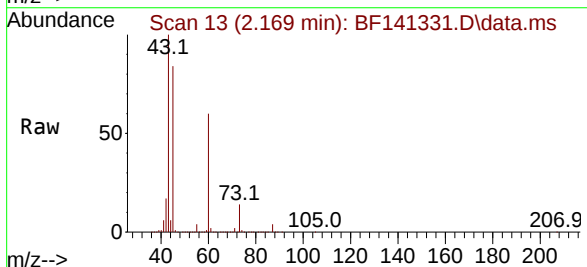
Instrument :
 BNA_F
 ClientSampleId :
 WC-5

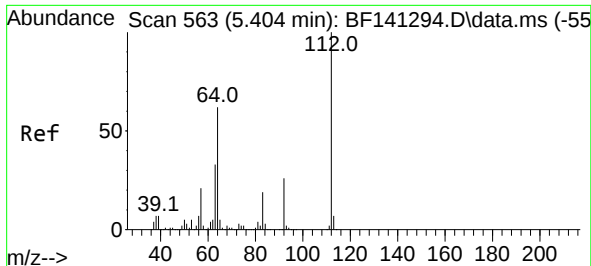
Tgt Ion:152 Resp: 152587
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.9 188.9
 115 63.6 49.7 74.5



#2
 1,4-Dioxane
 Concen: 3.419 ng
 RT: 2.169 min Scan# 13
 Delta R.T. -0.324 min
 Lab File: BF141331.D
 Acq: 31 Jan 2025 14:46

Tgt Ion: 88 Resp: 14947
 Ion Ratio Lower Upper
 88 100
 58 0.0 70.2 105.4#
 43 0.0 27.6 41.4#

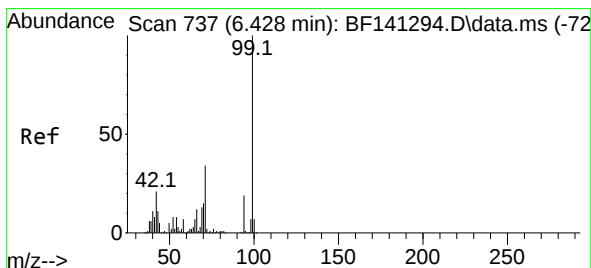
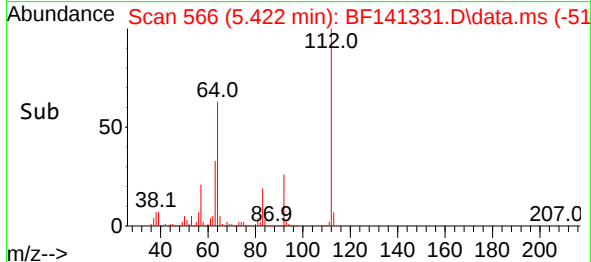
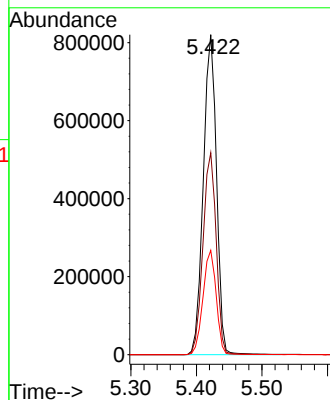
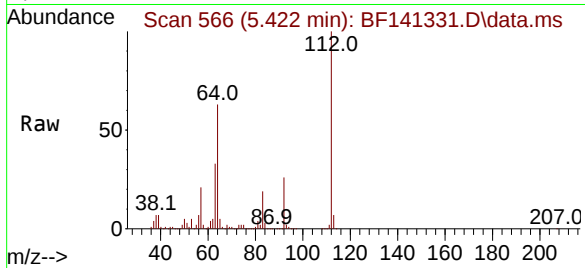




#5
2-Fluorophenol
Concen: 115.998 ng
RT: 5.422 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

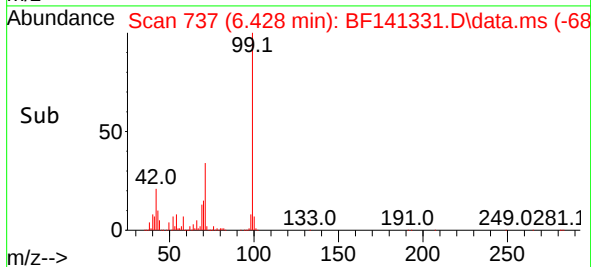
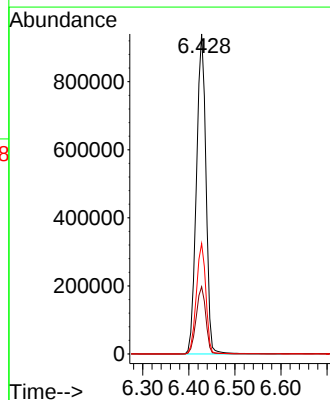
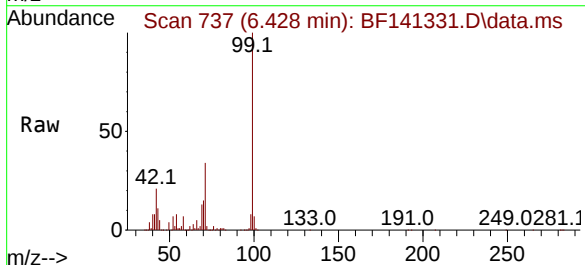
Instrument :
BNA_F
ClientSampleId :
WC-5

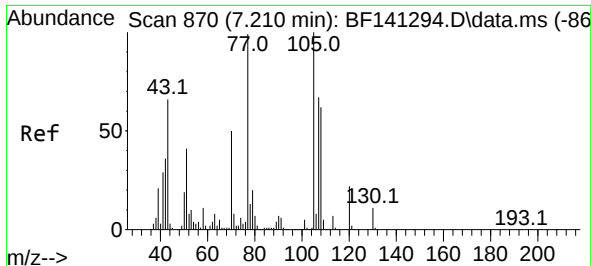
Tgt Ion:112 Resp: 1152924
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 32.6 26.1 39.1



#7
Phenol-d6
Concen: 106.706 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

Tgt Ion: 99 Resp: 1349187
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 34.5 26.9 40.3

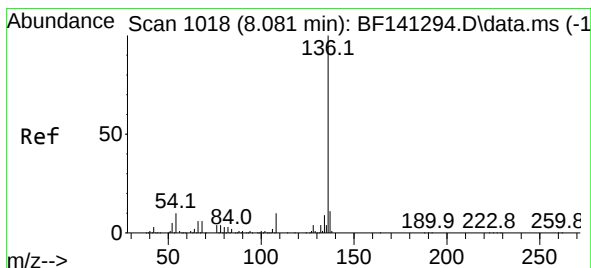
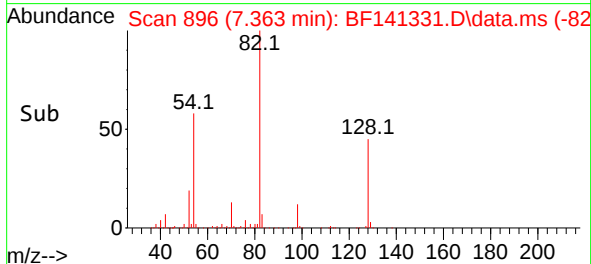
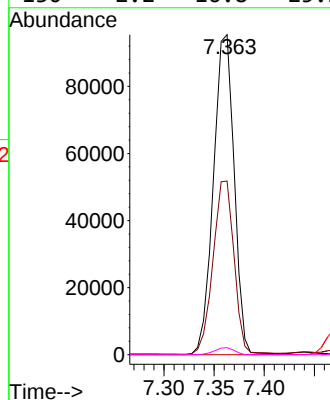
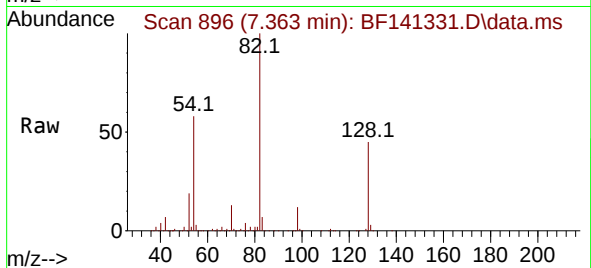




#19
n-Nitroso-di-n-propylamine
Concen: 18.290 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

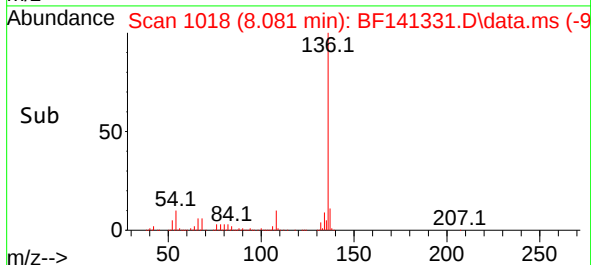
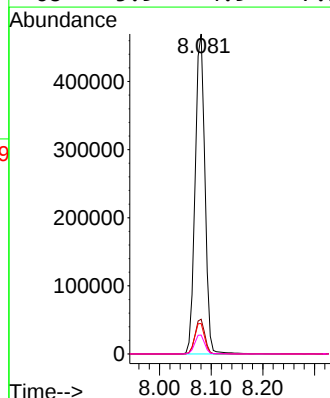
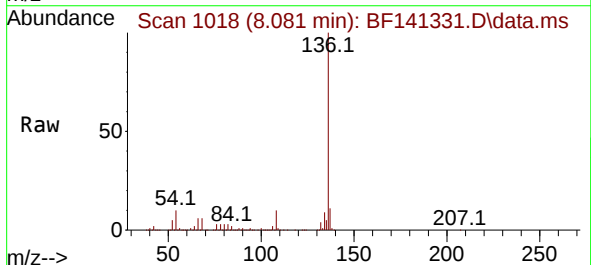
Instrument :
BNA_F
ClientSampleId :
WC-5

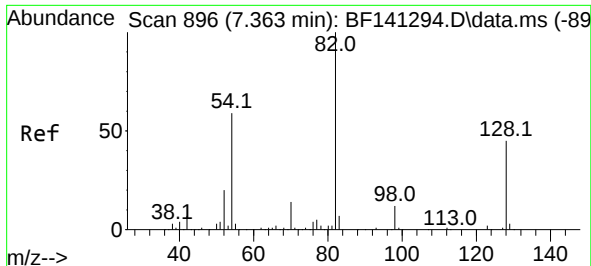
Tgt Ion: 70 Resp: 137416
Ion Ratio Lower Upper
70 100
42 54.2 56.8 85.2#
101 0.0 7.7 11.5#
130 2.2 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

Tgt Ion: 136 Resp: 617539
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 7.8 11.8
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 87.426 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141331.D

Acq: 31 Jan 2025 14:46

Instrument :

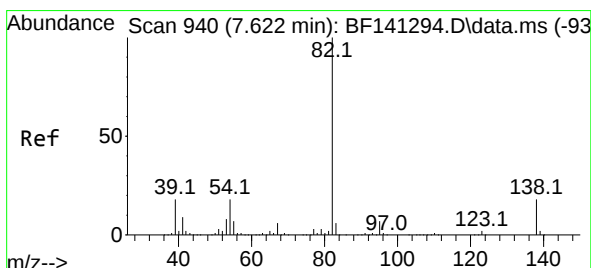
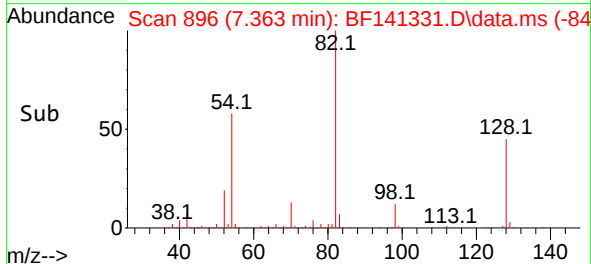
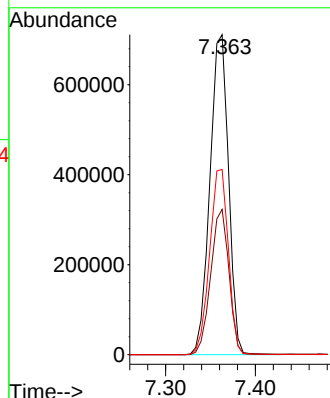
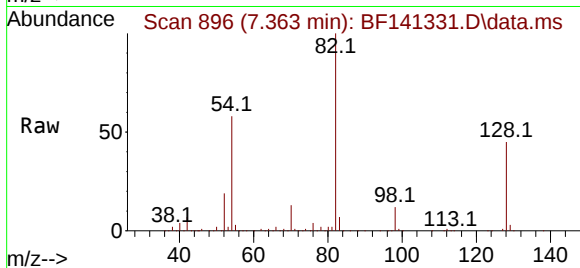
BNA_F

ClientSampleId :

WC-5

Tgt Ion: 82 Resp: 1024140

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.7	53.5
54	57.9	47.1	70.7



#25

Isophorone

Concen: 49.940 ng

RT: 7.363 min Scan# 896

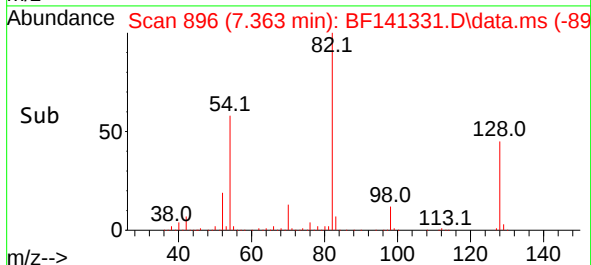
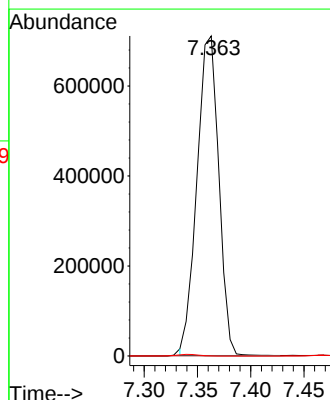
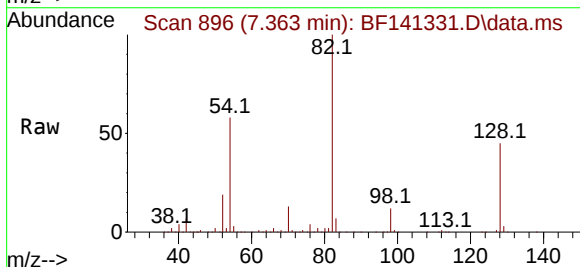
Delta R.T. -0.265 min

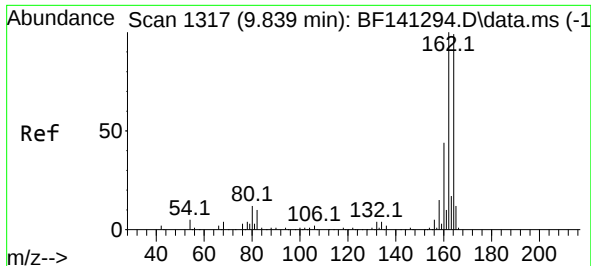
Lab File: BF141331.D

Acq: 31 Jan 2025 14:46

Tgt Ion: 82 Resp: 1011249

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.7	22.1#

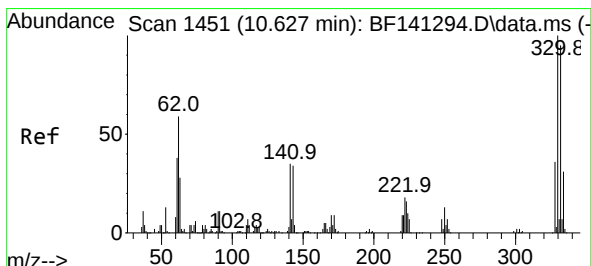
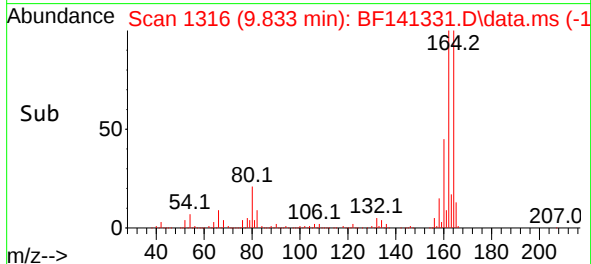
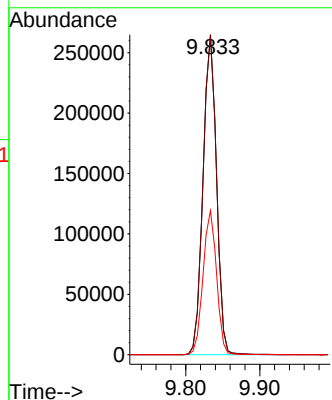
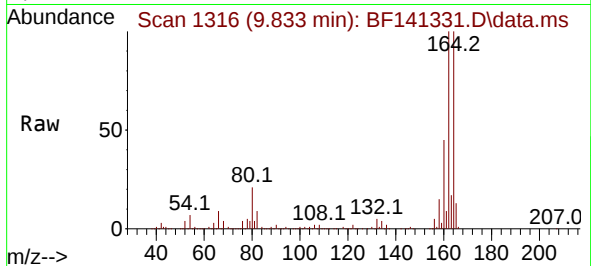




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

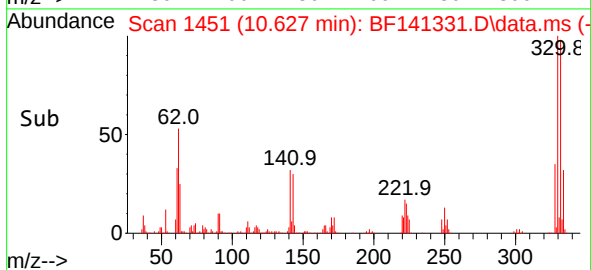
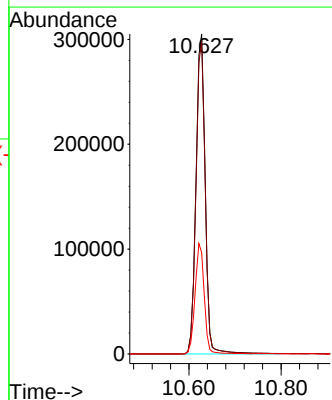
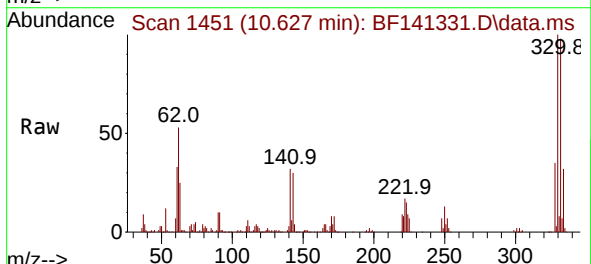
Instrument :
BNA_F
ClientSampleId :
WC-5

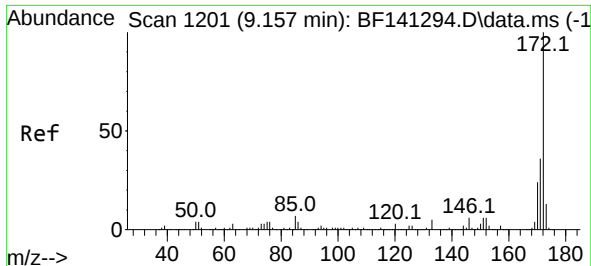
Tgt Ion:164 Resp: 333708
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 45.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 138.568 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

Tgt Ion:330 Resp: 423925
Ion Ratio Lower Upper
330 100
332 97.7 76.1 114.1
141 34.4 28.8 43.2

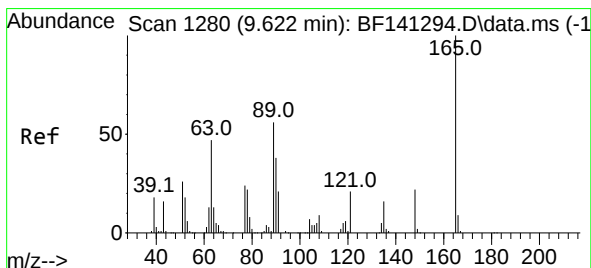
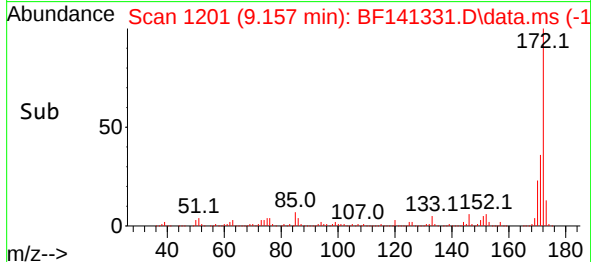
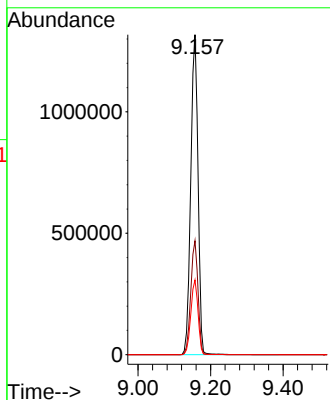
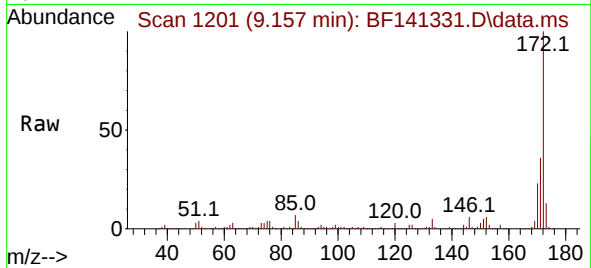




#45
2-Fluorobiphenyl
Concen: 84.404 ng
RT: 9.157 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

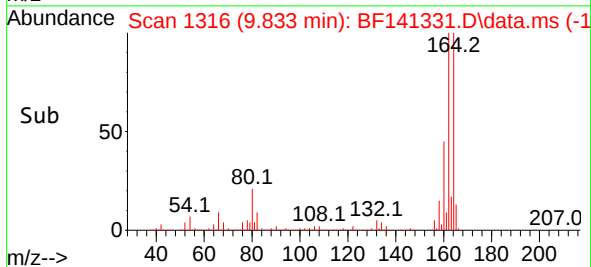
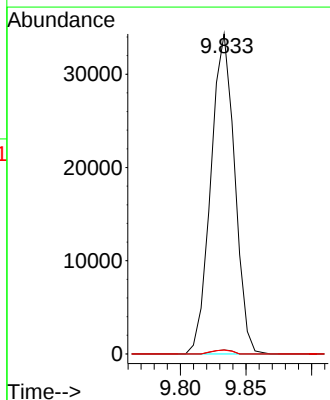
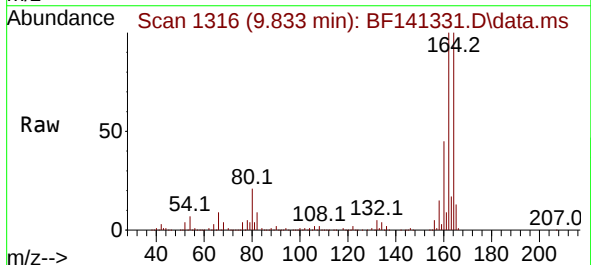
Instrument :
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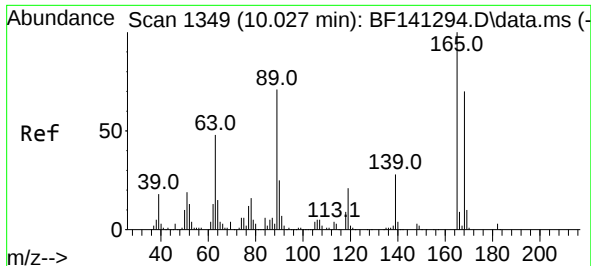
Tgt Ion:172 Resp: 1829939
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.294 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

Tgt Ion:165 Resp: 43405
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.2 44.9 67.3#

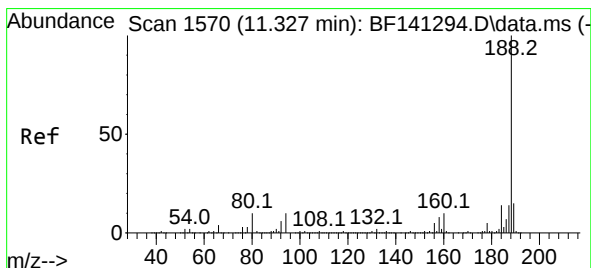
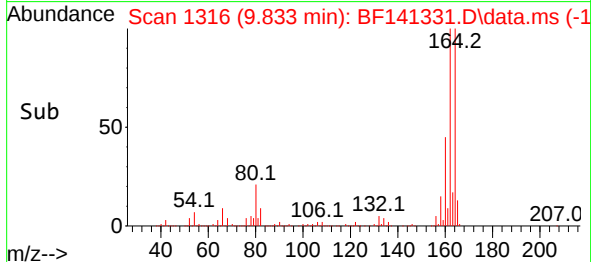
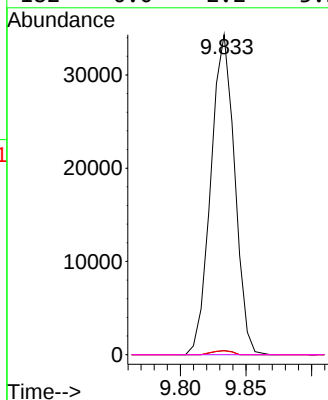
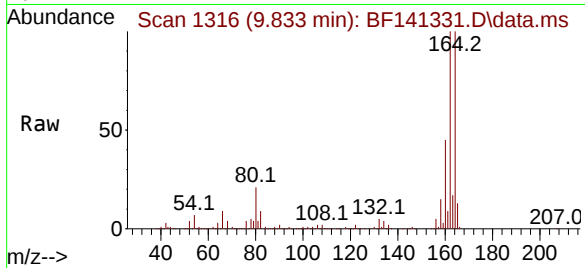




#57
2,4-Dinitrotoluene
Concen: 6.406 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

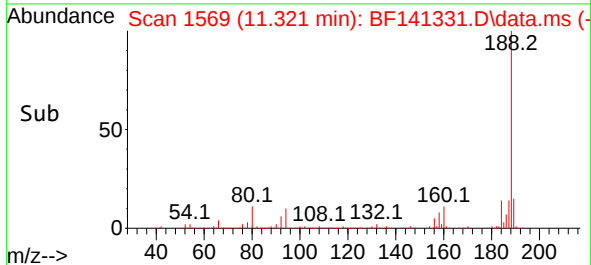
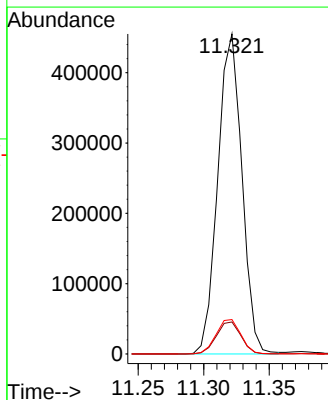
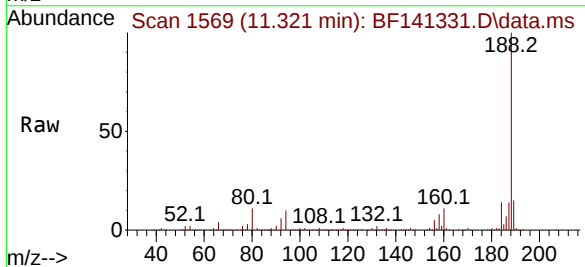
Instrument :
BNA_F
ClientSampleId :
WC-5

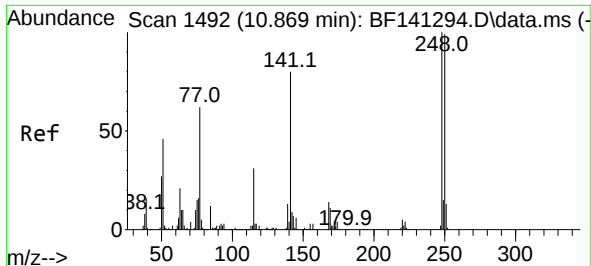
Tgt Ion:165 Resp: 43405
Ion Ratio Lower Upper
165 100
63 1.3 39.2 58.8#
89 1.2 56.9 85.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

Tgt Ion:188 Resp: 582549
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.8 8.2 12.4

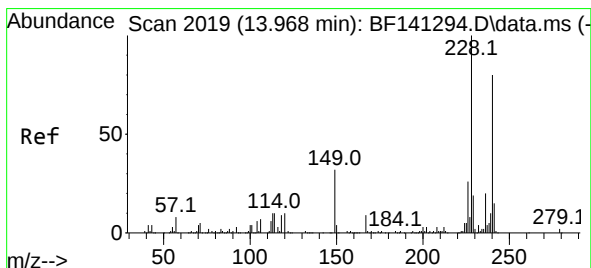
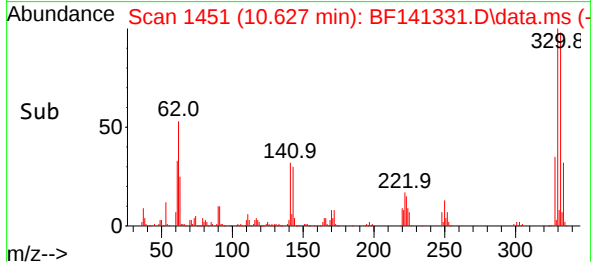
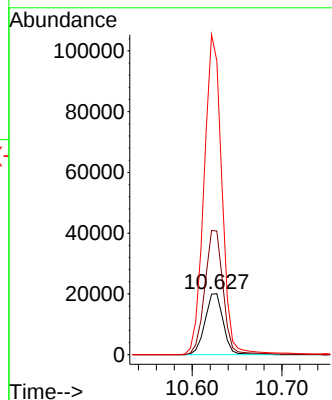
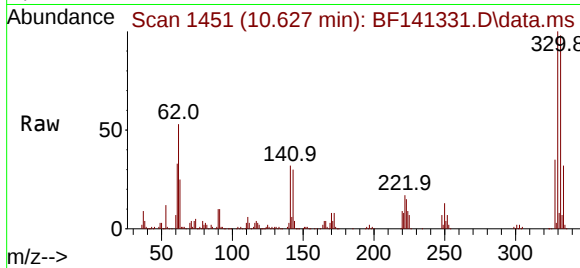




#67
4-Bromophenyl-phenylether
Concen: 4.346 ng
RT: 10.627 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

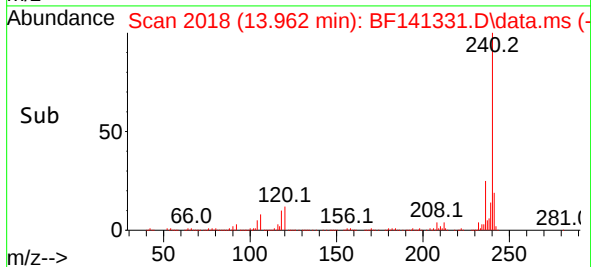
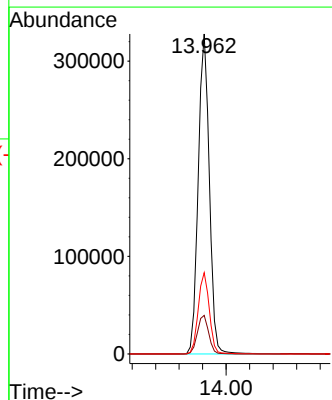
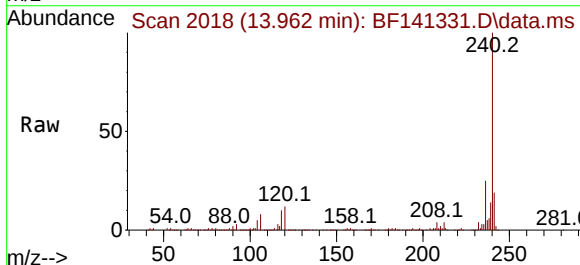
Instrument :
BNA_F
ClientSampleId :
WC-5

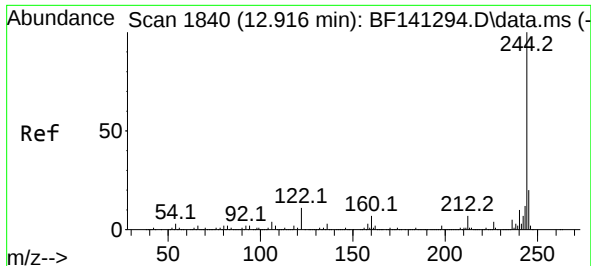
Tgt Ion:248 Resp: 28346
Ion Ratio Lower Upper
248 100
250 202.7 79.0 118.4#
141 481.6 63.7 95.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141331.D
Acq: 31 Jan 2025 14:46

Tgt Ion:240 Resp: 429424
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.4 19.7 29.5

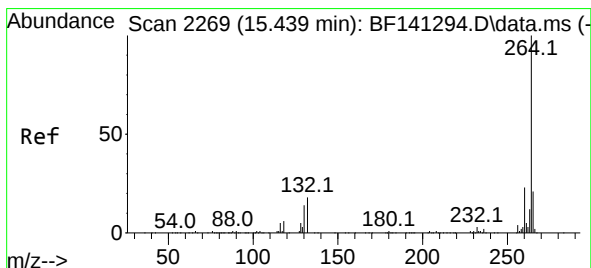
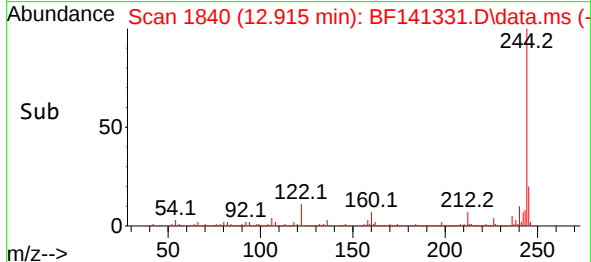
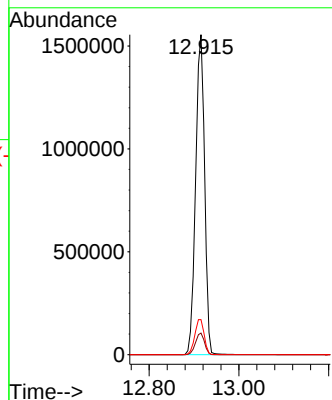
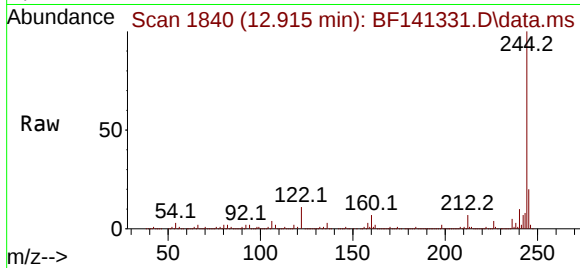




#79
 Terphenyl-d14
 Concen: 77.540 ng
 RT: 12.915 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF141331.D
 Acq: 31 Jan 2025 14:46

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Tgt Ion:244 Resp: 2159117
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.0 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF141331.D
 Acq: 31 Jan 2025 14:46

Tgt Ion:264 Resp: 313390
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 27.8
 265 21.7 16.7 25.1

