

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143216.D
 Acq On : 23 Jul 2025 17:28
 Operator : RC/JU
 Sample : Q2645-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW5B-CARBON-20250716

Quant Time: Jul 23 17:50:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

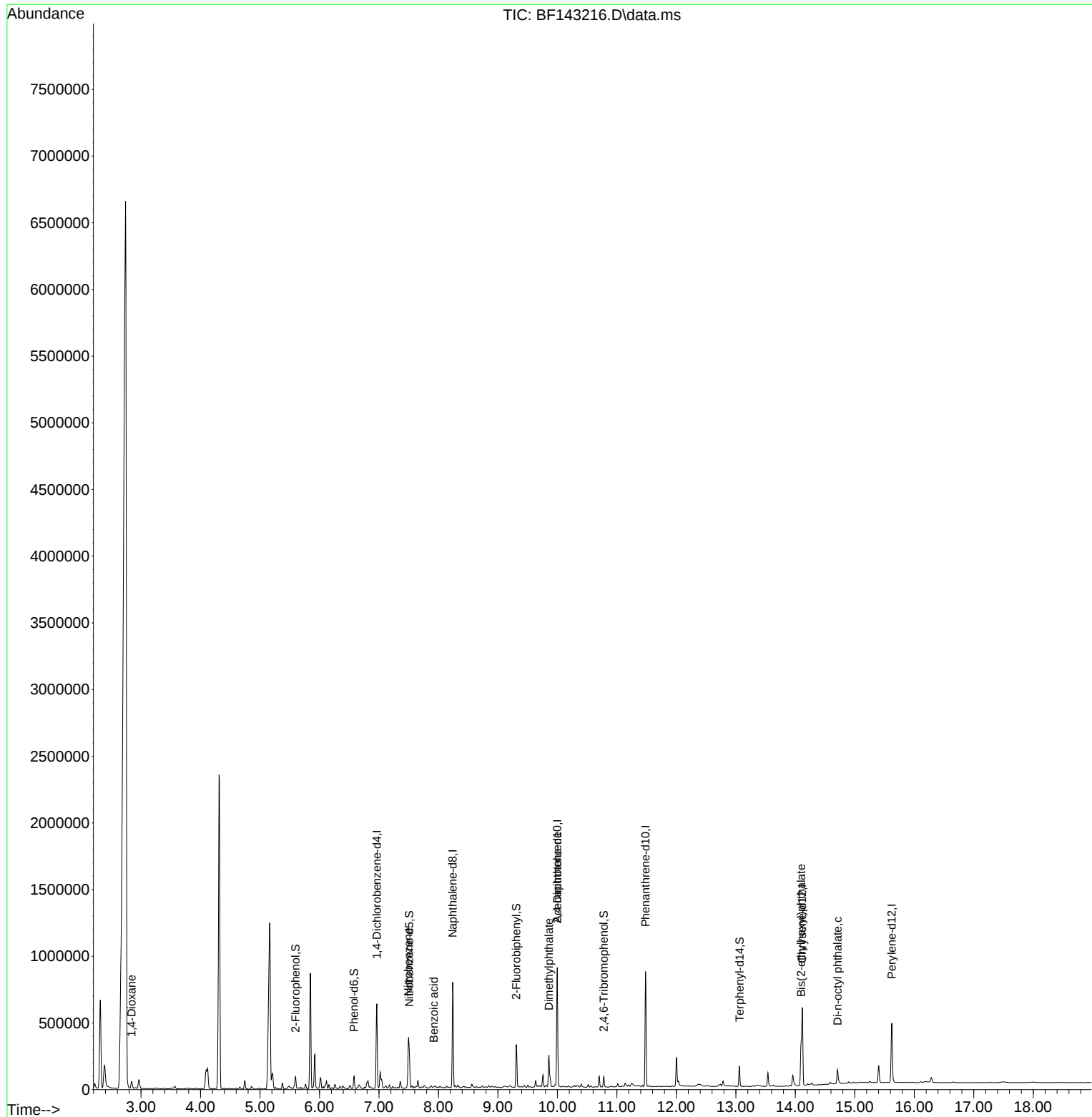
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	123339	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	475879	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	255682	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	430196	20.000	ng	0.00
76) Chrysene-d12	14.116	240	262836	20.000	ng	0.00
86) Perylene-d12	15.621	264	258643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	29101	3.734	ng	0.01
7) Phenol-d6	6.581	99	38043	3.878	ng	0.00
23) Nitrobenzene-d5	7.510	82	88924	9.315	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	11984	4.537	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	129738	6.940	ng	-0.01
79) Terphenyl-d14	13.063	244	71384	4.042	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.840	88	27006	7.323	ng	# 95
24) Nitrobenzene	7.493	77	23409	2.630	ng	# 49
32) Benzoic acid	7.922	122	1058	5.391	ng	97
50) Dimethylphthalate	9.857	163	74195	4.452	ng	# 95
57) 2,4-Dinitrotoluene	9.998	165	33165	7.797	ng	# 21
84) Bis(2-ethylhexyl)phtha...	14.098	149	123557	11.884	ng	99
85) Di-n-octyl phthalate	14.710	149	75818	4.023	ng	# 96

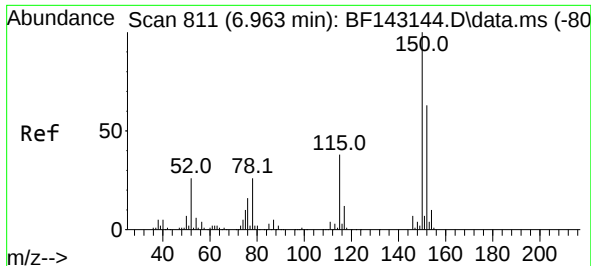
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
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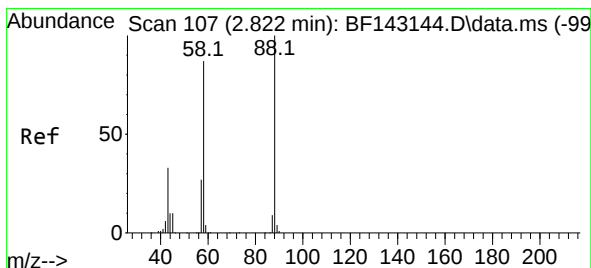
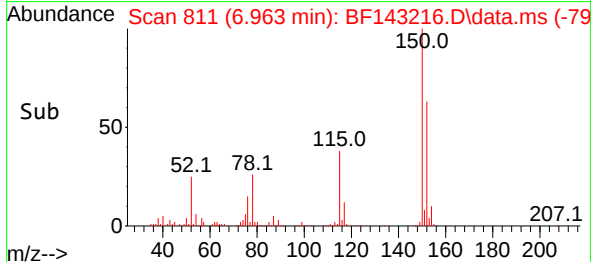
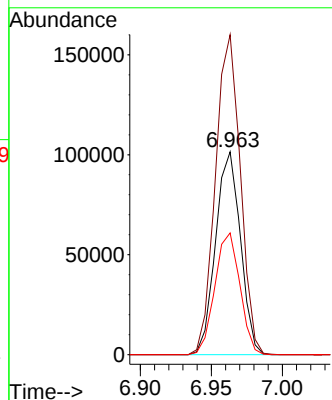
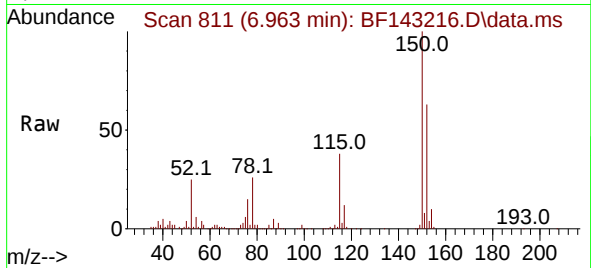




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143216.D
 Acq: 23 Jul 2025 17:28

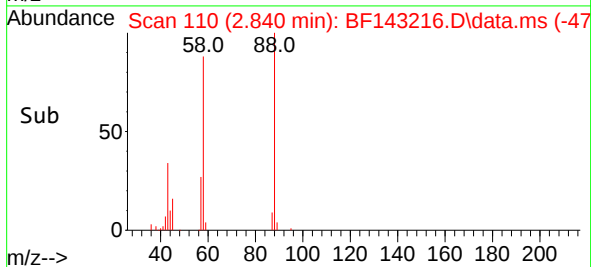
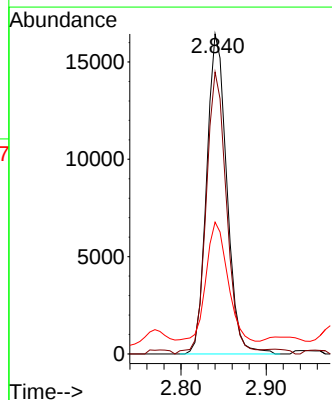
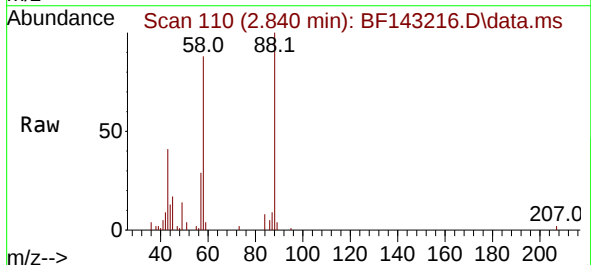
Instrument :
 BNA_F
 ClientSampleId :
 RW5B-CARBON-20250716

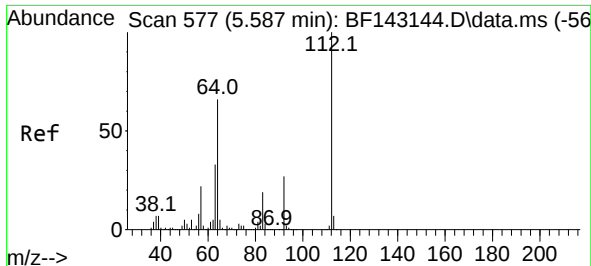
Tgt Ion:152 Resp: 123339
 Ion Ratio Lower Upper
 152 100
 150 157.7 128.2 192.4
 115 60.0 47.9 71.9



#2
 1,4-Dioxane
 Concen: 7.323 ng
 RT: 2.840 min Scan# 110
 Delta R.T. 0.018 min
 Lab File: BF143216.D
 Acq: 23 Jul 2025 17:28

Tgt Ion: 88 Resp: 27006
 Ion Ratio Lower Upper
 88 100
 58 89.1 70.2 105.2
 43 42.7 27.1 40.7#

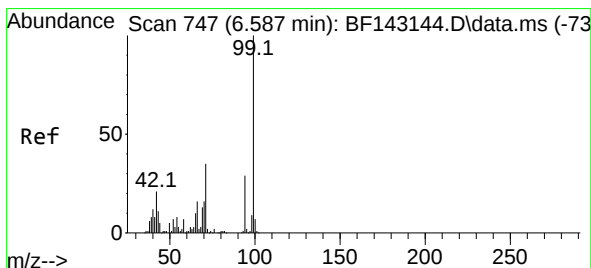
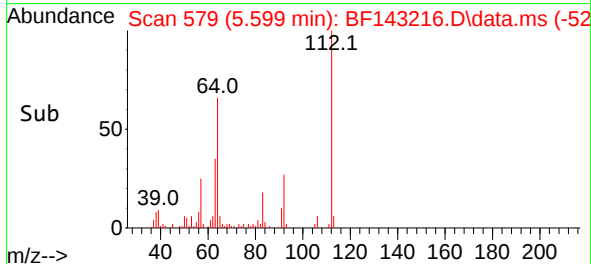
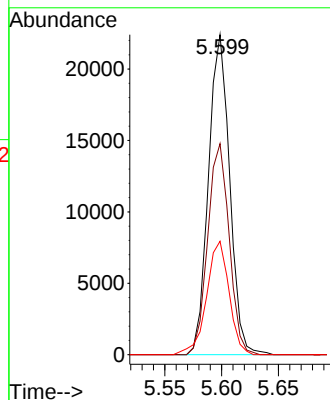
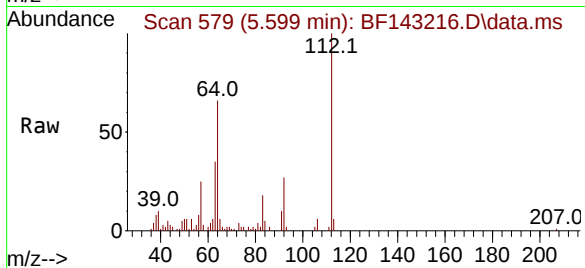




#5
2-Fluorophenol
Concen: 3.734 ng
RT: 5.599 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

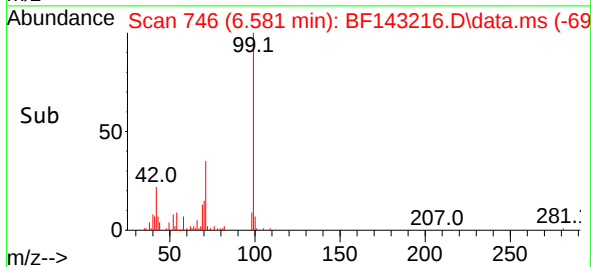
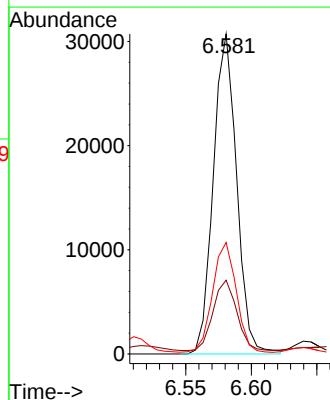
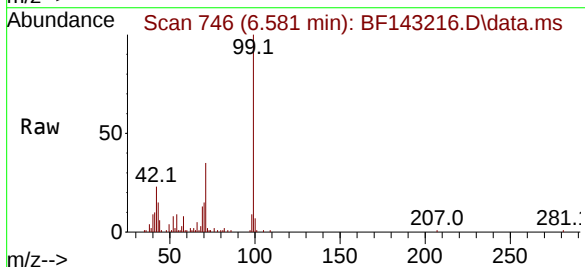
Instrument :
BNA_F
ClientSampleId :
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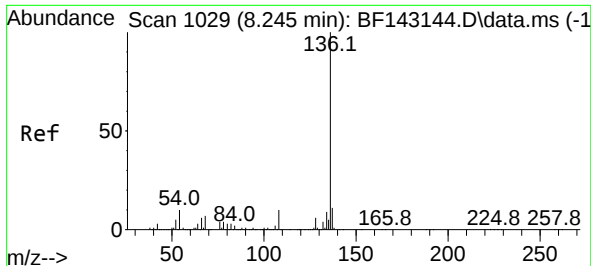
Tgt Ion:112 Resp: 29101
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 35.5 26.6 40.0



#7
Phenol-d6
Concen: 3.878 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

Tgt Ion: 99 Resp: 38043
Ion Ratio Lower Upper
99 100
42 23.0 17.0 25.6
71 34.8 27.7 41.5

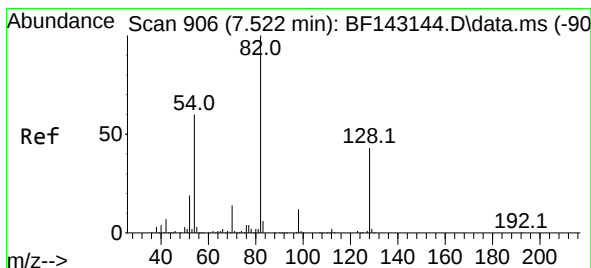
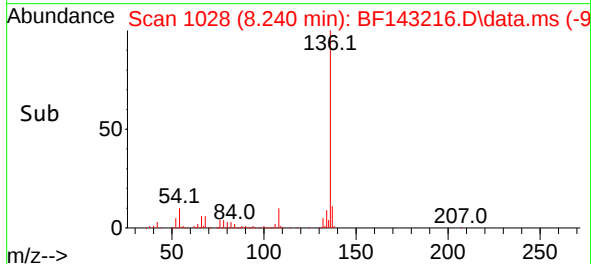
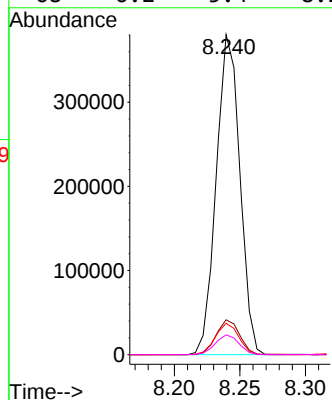
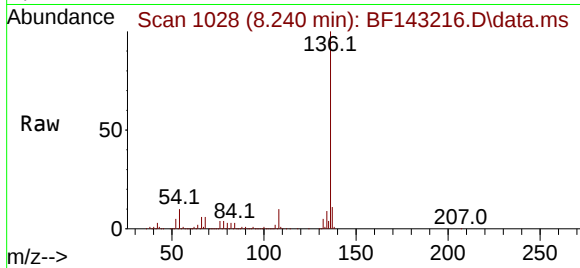




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

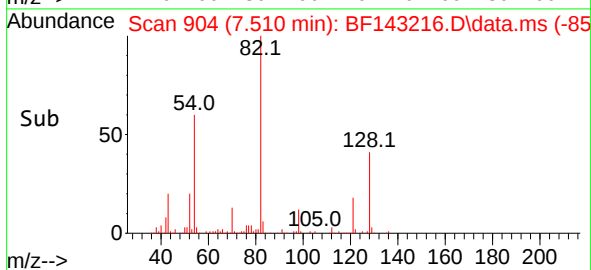
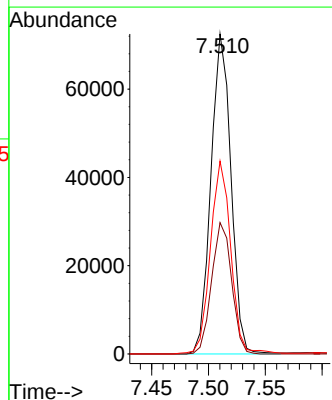
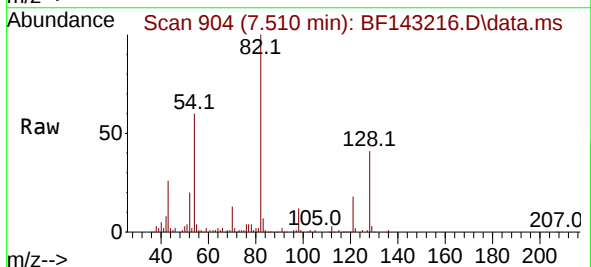
Instrument :
BNA_F
ClientSampleId :
RW5B-CARBON-20250716

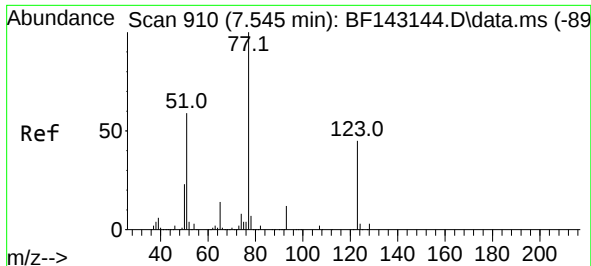
Tgt Ion:136	Resp:	475879
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 13.0
54	9.8	8.2 12.2
68	6.2	5.4 8.2



#23
Nitrobenzene-d5
Concen: 9.315 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

Tgt Ion: 82	Resp:	88924
Ion	Ratio	Lower Upper
82	100	
128	41.1	33.6 50.4
54	60.2	47.1 70.7

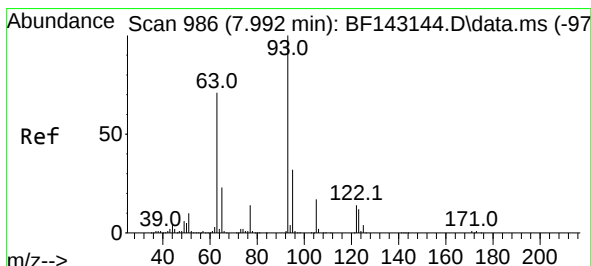
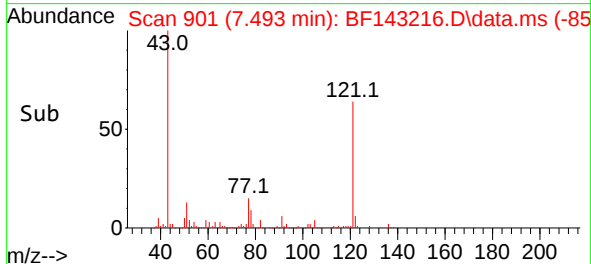
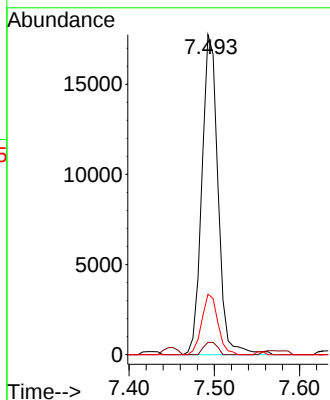
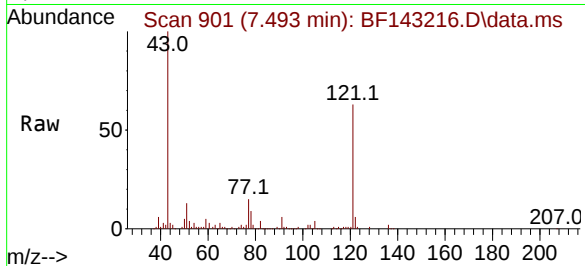




#24
Nitrobenzene
Concen: 2.630 ng
RT: 7.493 min Scan# 901
Delta R.T. -0.053 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

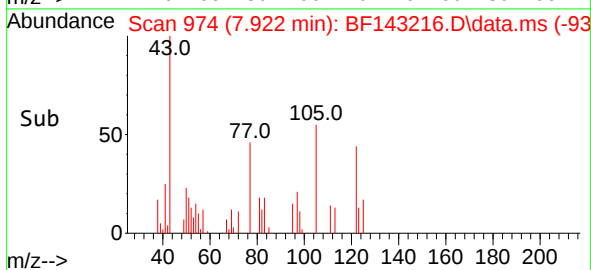
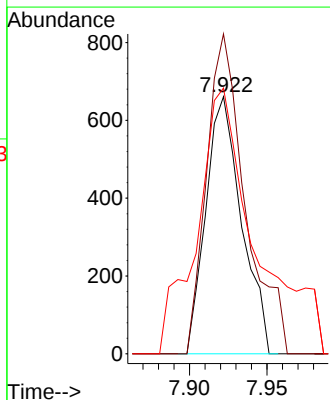
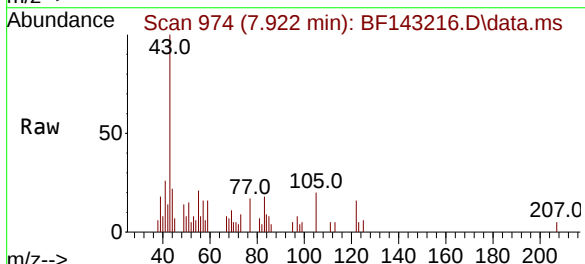
Instrument :
BNA_F
ClientSampleId :
RW5B-CARBON-20250716

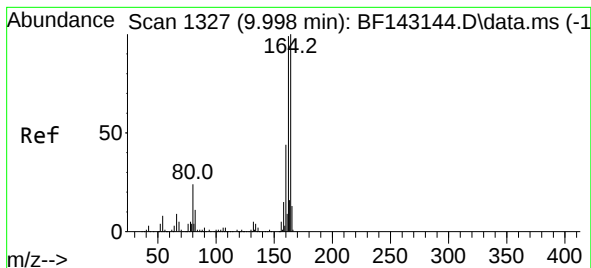
Tgt Ion: 77 Resp: 23409
Ion Ratio Lower Upper
77 100
123 3.8 36.1 54.1#
65 18.9 11.4 17.2#



#32
Benzoic acid
Concen: 5.391 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.070 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

Tgt Ion:122 Resp: 1058
Ion Ratio Lower Upper
122 100
105 124.4 104.8 144.8
77 103.3 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143216.D

Acq: 23 Jul 2025 17:28

Instrument :

BNA_F

ClientSampleId :

RW5B-CARBON-20250716

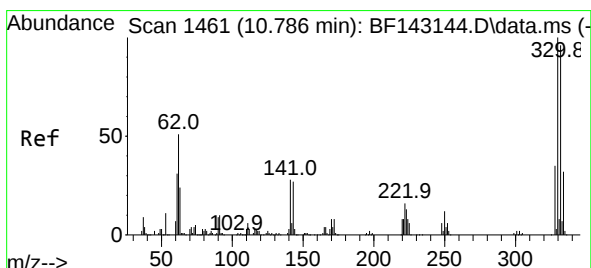
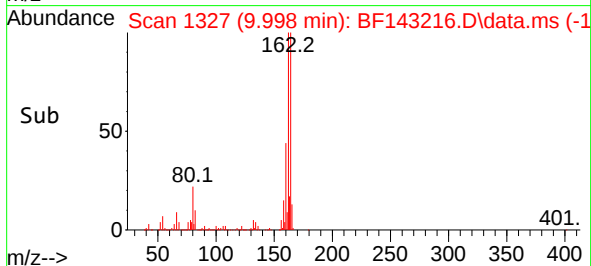
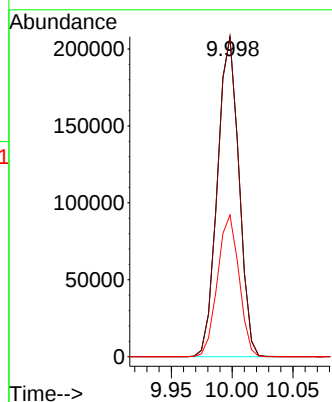
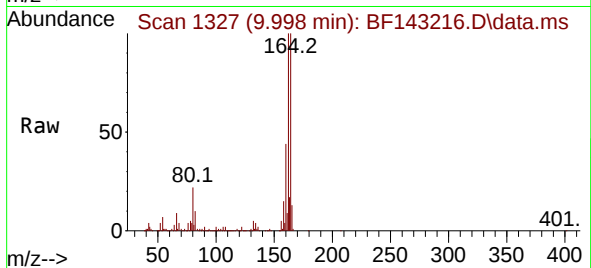
Tgt Ion:164 Resp: 255682

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

160 44.3 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 4.537 ng

RT: 10.781 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143216.D

Acq: 23 Jul 2025 17:28

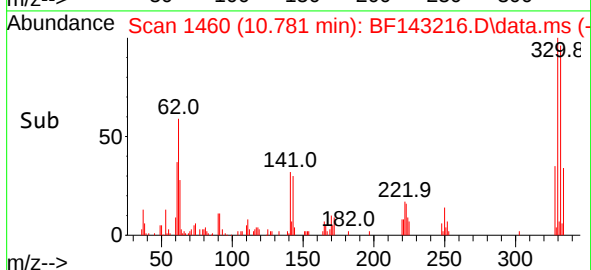
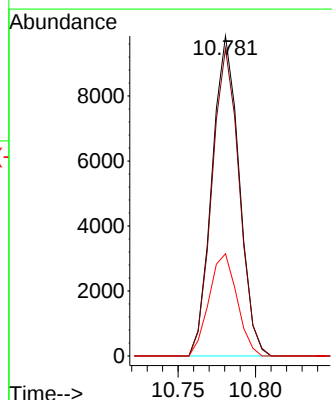
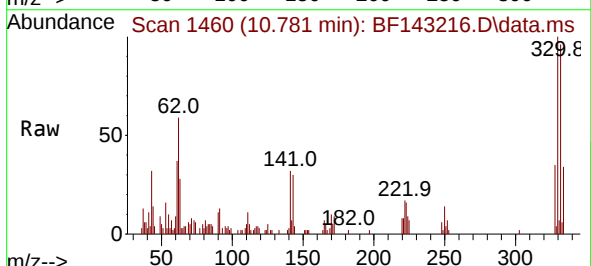
Tgt Ion:330 Resp: 11984

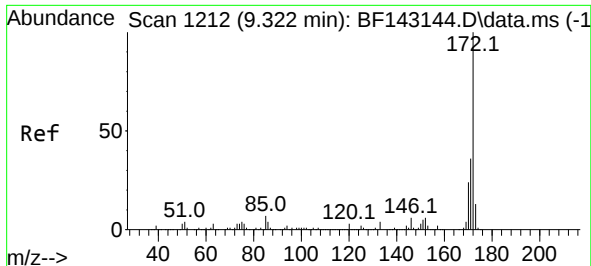
Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

141 32.9 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 6.940 ng

RT: 9.310 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143216.D

Acq: 23 Jul 2025 17:28

Instrument :

BNA_F

ClientSampleId :

RW5B-CARBON-20250716

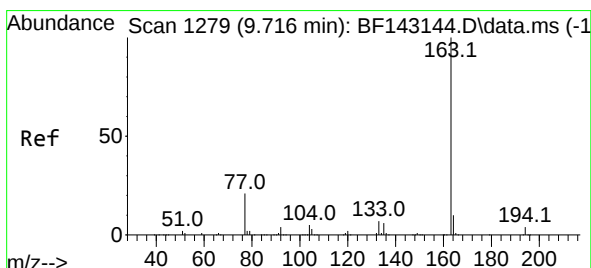
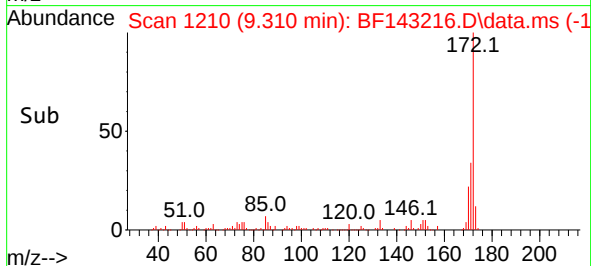
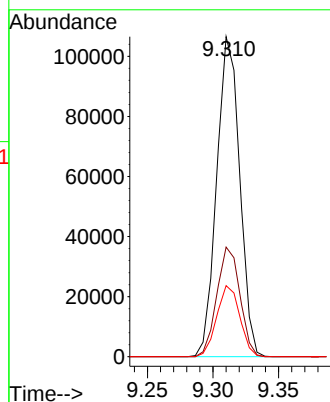
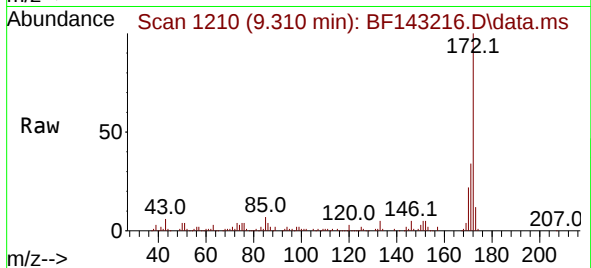
Tgt Ion:172 Resp: 129738

Ion Ratio Lower Upper

172 100

171 34.2 28.6 42.8

170 22.2 18.8 28.2



#50

Dimethylphthalate

Concen: 4.452 ng

RT: 9.857 min Scan# 1303

Delta R.T. 0.141 min

Lab File: BF143216.D

Acq: 23 Jul 2025 17:28

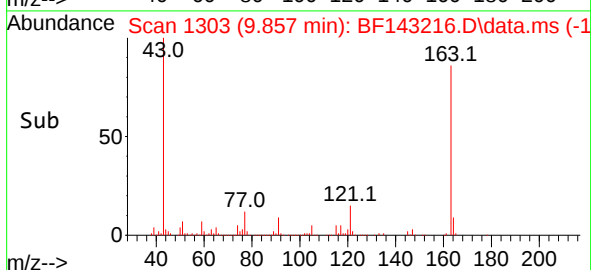
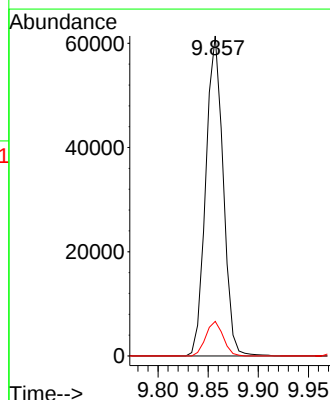
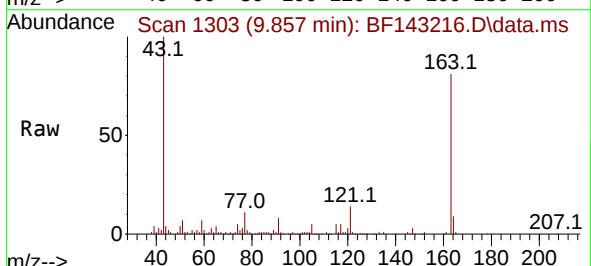
Tgt Ion:163 Resp: 74195

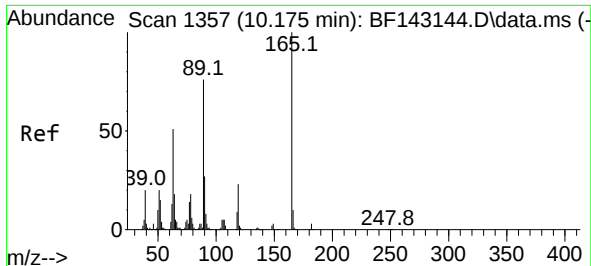
Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

164 10.8 8.3 12.5

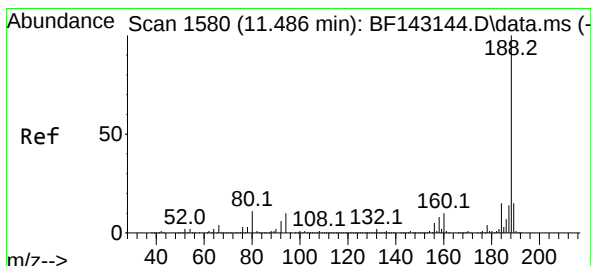
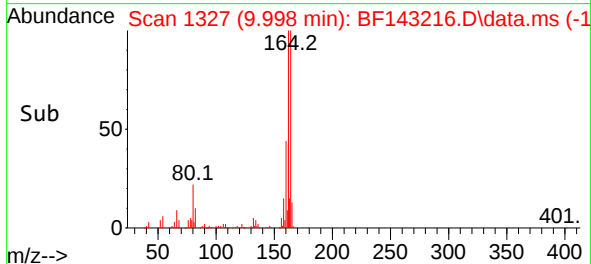
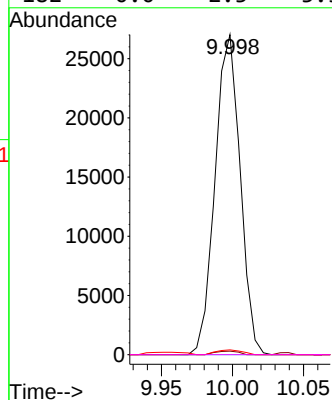
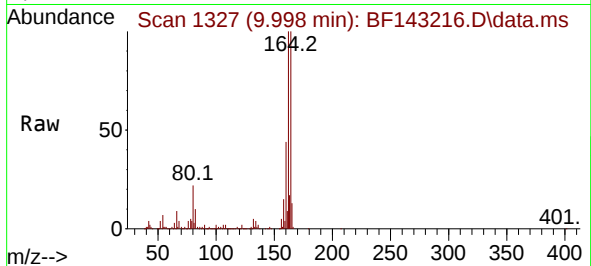




#57
2,4-Dinitrotoluene
Concen: 7.797 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

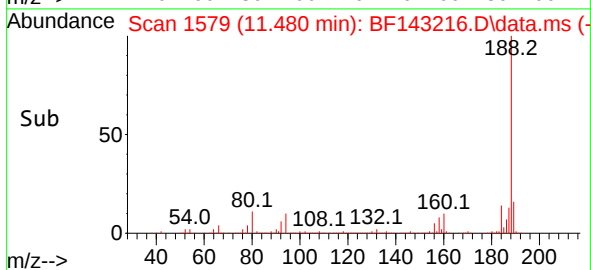
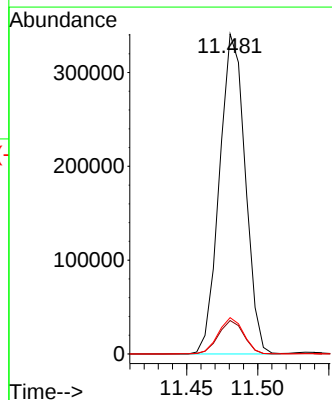
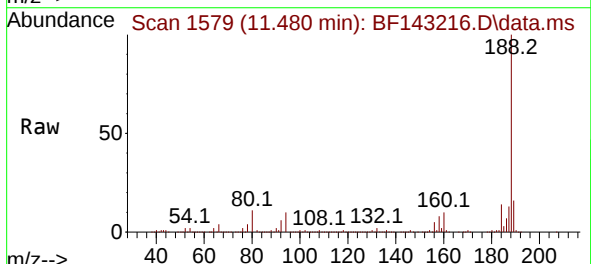
Instrument :
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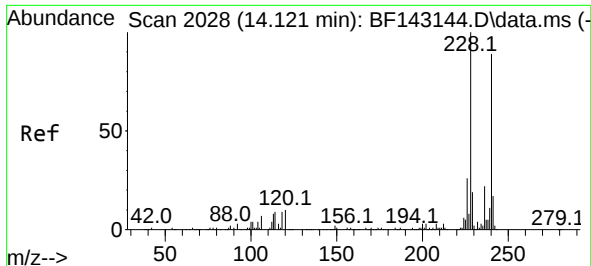
Tgt Ion:165 Resp: 33165
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.4#
89 1.5 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

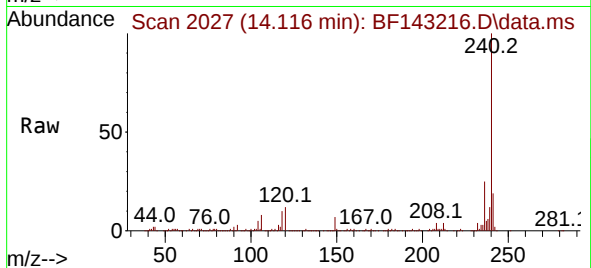
Tgt Ion:188 Resp: 430196
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.4 9.0 13.6



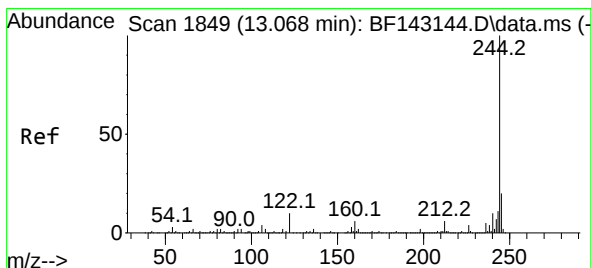
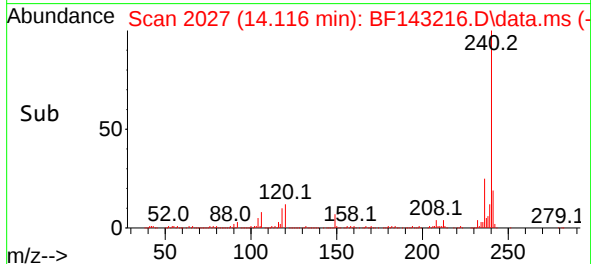
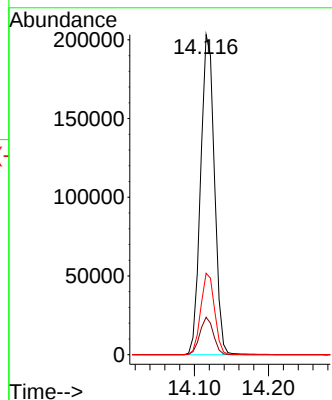


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

Instrument :
BNA_F
ClientSampleId :
RW5B-CARBON-20250716

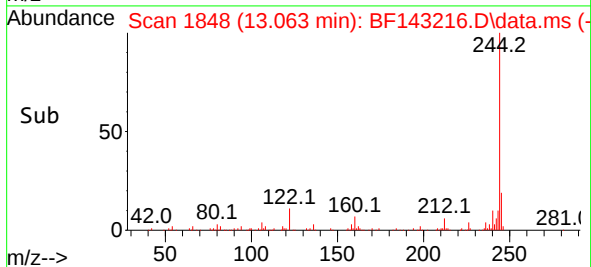
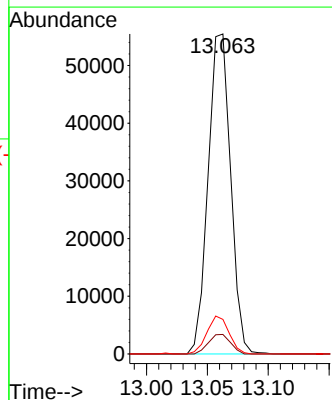
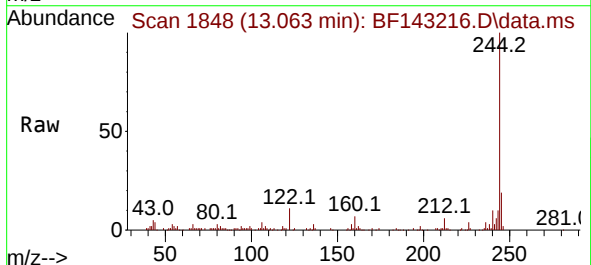


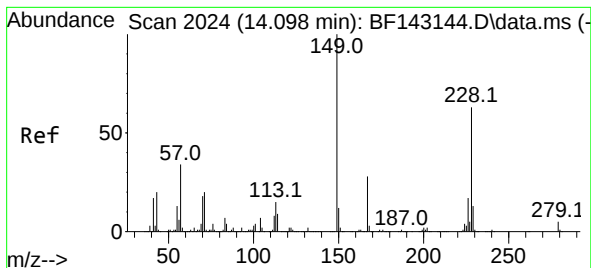
Tgt Ion:240 Resp: 262836
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 25.4 20.2 30.4



#79
Terphenyl-d14
Concen: 4.042 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

Tgt Ion:244 Resp: 71384
Ion Ratio Lower Upper
244 100
212 6.1 5.2 7.8
122 10.8 8.2 12.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 11.884 ng

RT: 14.098 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143216.D

Acq: 23 Jul 2025 17:28

Instrument :

BNA_F

ClientSampleId :

RW5B-CARBON-20250716

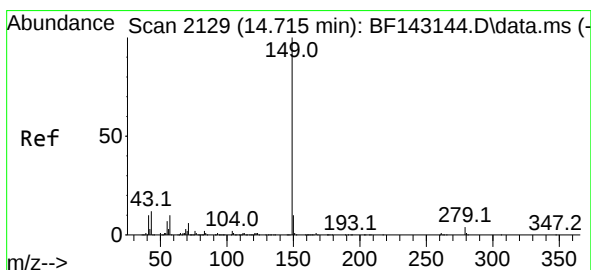
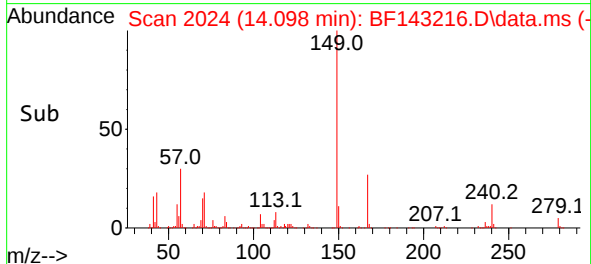
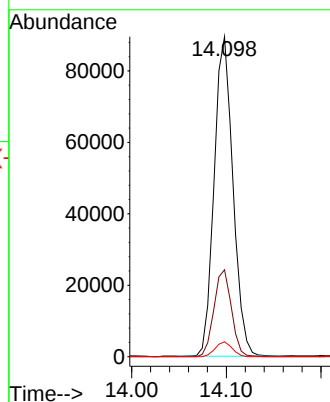
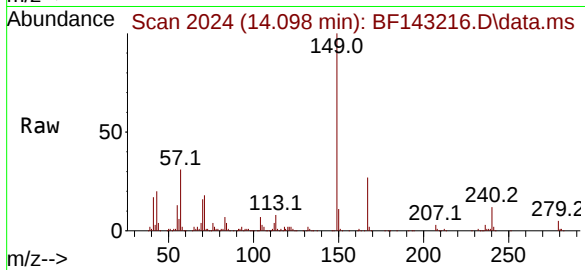
Tgt Ion:149 Resp: 123557

Ion Ratio Lower Upper

149 100

167 27.2 22.3 33.5

279 4.6 3.6 5.4



#85

Di-n-octyl phthalate

Concen: 4.023 ng

RT: 14.710 min Scan# 2128

Delta R.T. -0.006 min

Lab File: BF143216.D

Acq: 23 Jul 2025 17:28

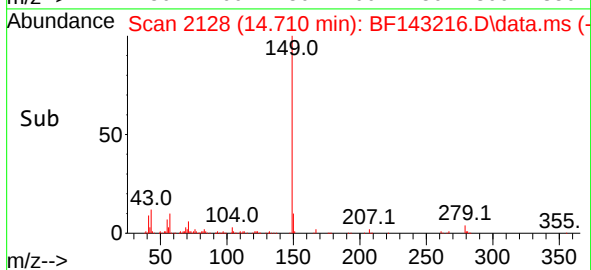
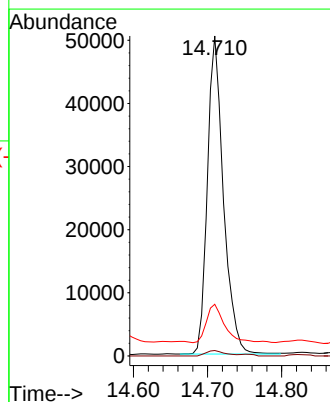
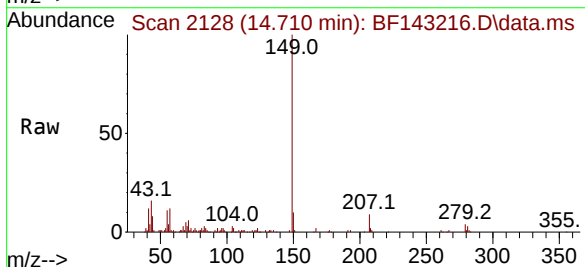
Tgt Ion:149 Resp: 75818

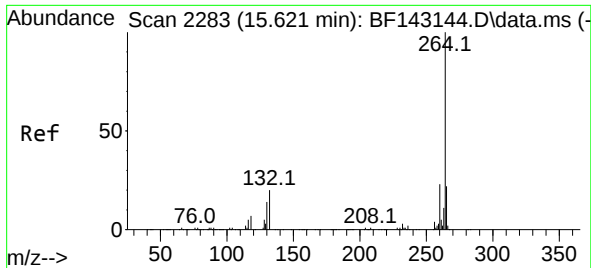
Ion Ratio Lower Upper

149 100

167 2.0 1.1 1.7#

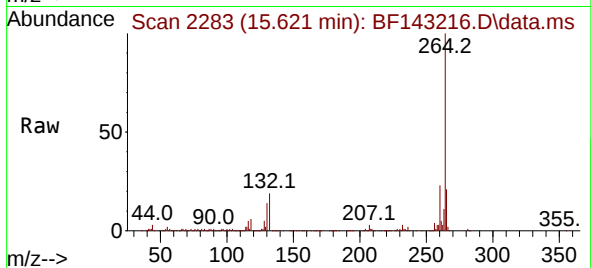
43 13.7 9.7 14.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143216.D
 Acq: 23 Jul 2025 17:28

Instrument :
 BNA_F
 ClientSampleId :
 RW5B-CARBON-20250716



Tgt Ion:264 Resp: 258643
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.5 27.7
 265 21.4 17.4 26.2

