

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)

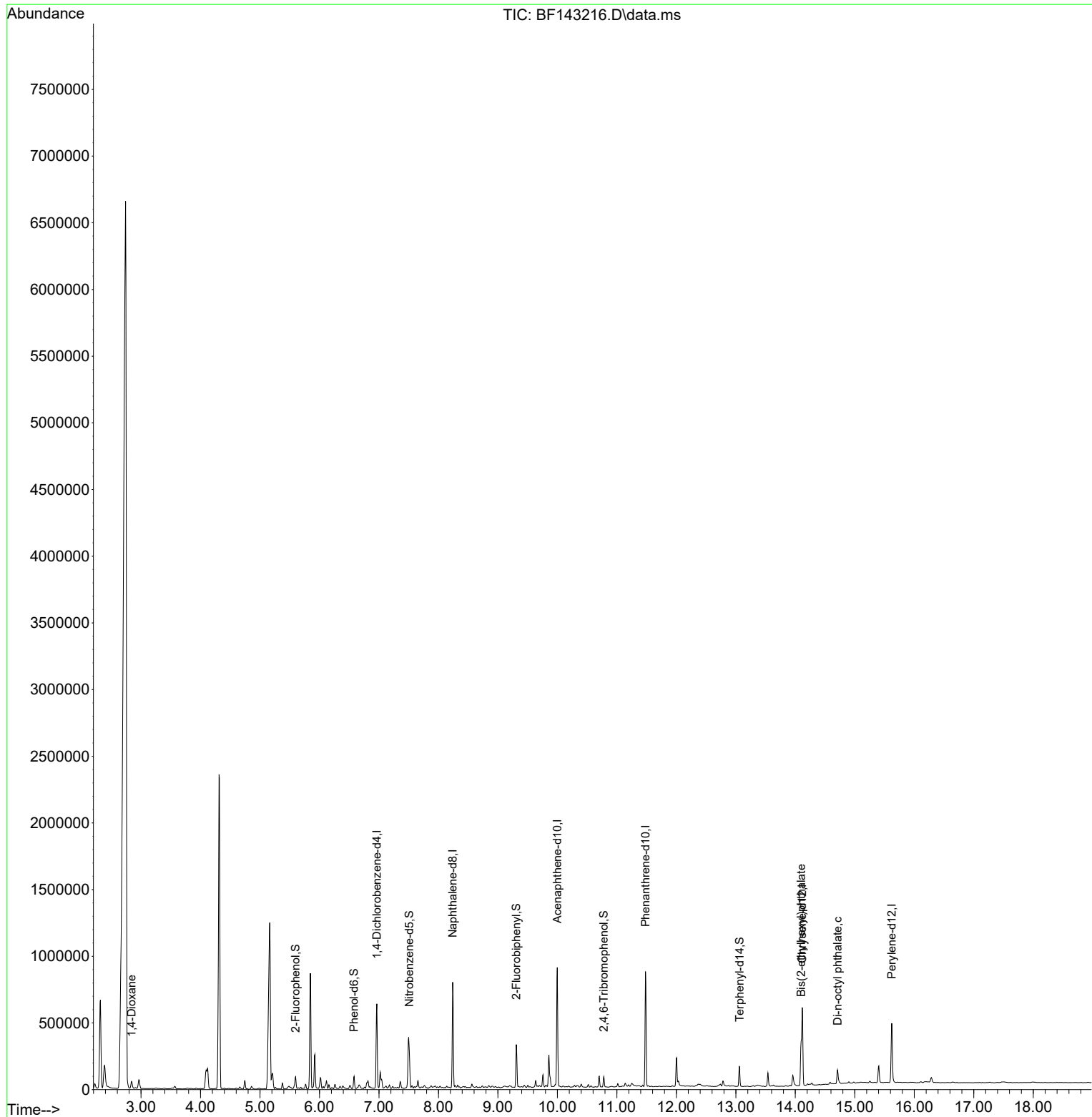
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	123339	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	475879	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	255682	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	430196	20.000	ng	0.00
76) Chrysene-d12	14.116	240	262836	20.000	ng	0.00
86) Perylene-d12	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						
2) 1,4-Dioxane	2.840	88	27006	7.323	ng	# 95
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

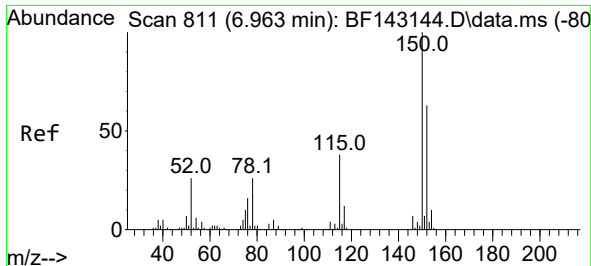
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143216.D
Acq On : 23 Jul 2025 17:28
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Misc :
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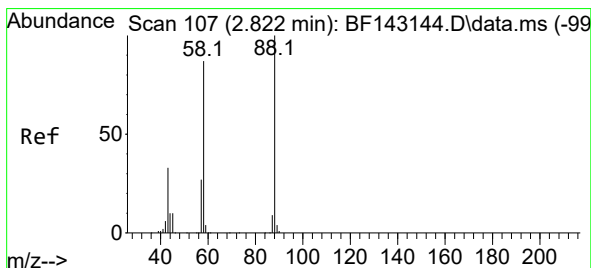
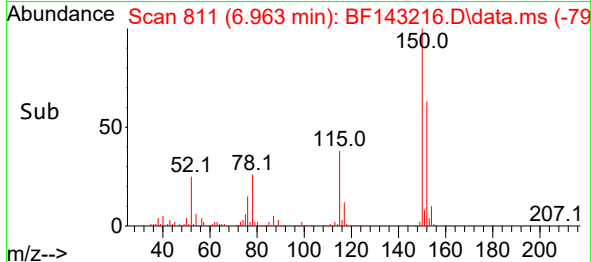
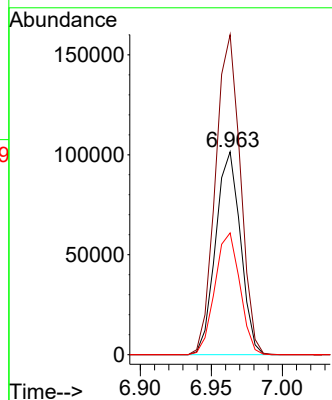
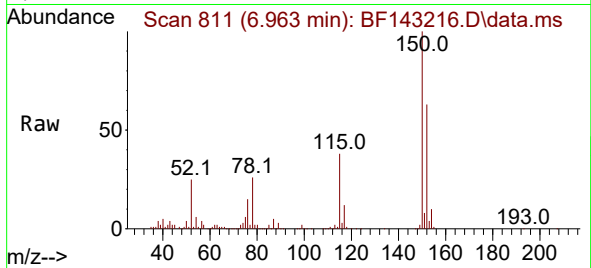




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

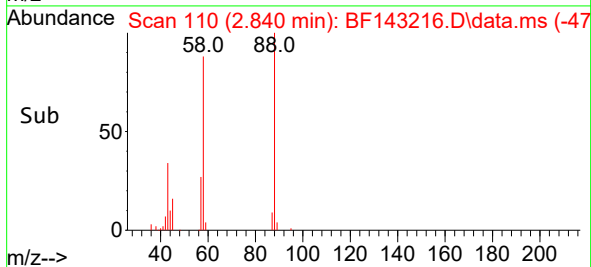
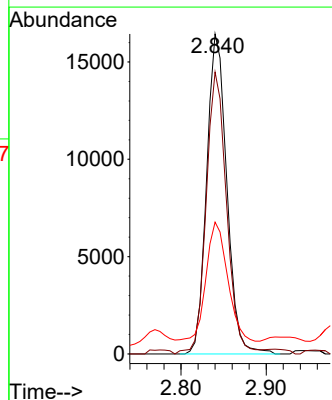
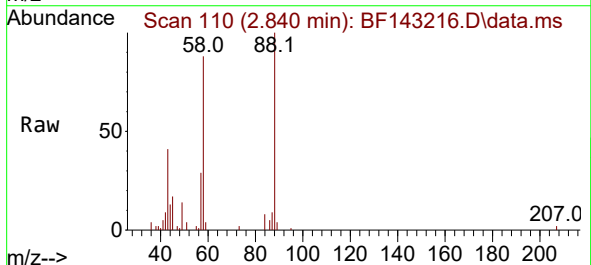
Instrument :
BNA_F
ClientSampleId :
RW5B-CARBON-20250716

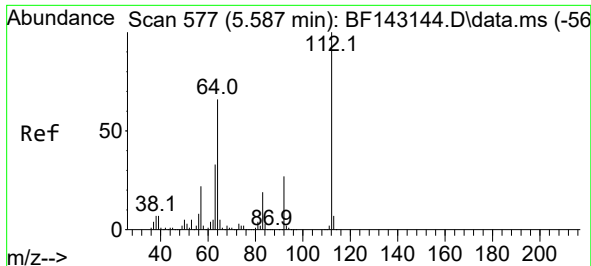
Tgt Ion:152 Resp: 123339
Ion Ratio Lower Upper
152 100
150 157.7 128.2 192.4
115 60.0 47.9 71.9



#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#

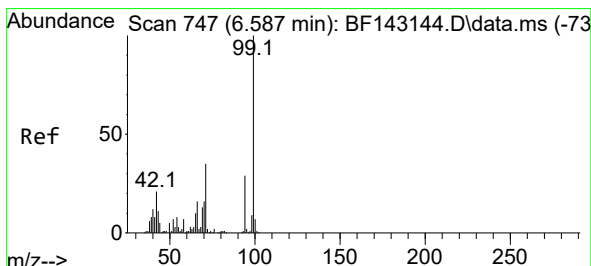
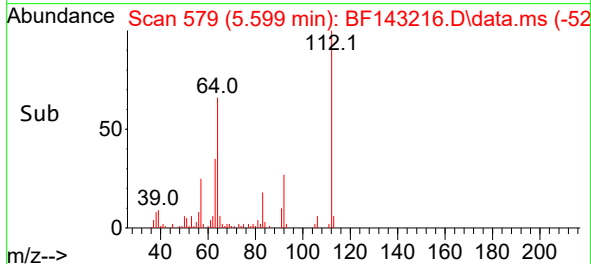
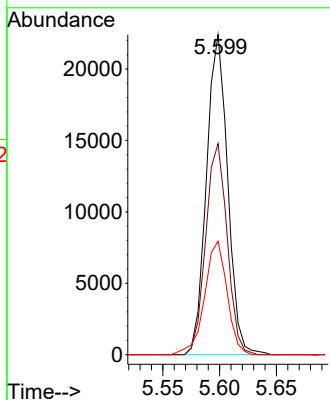
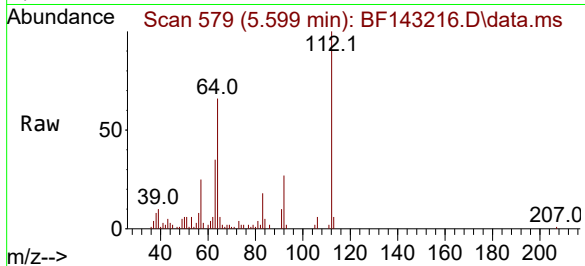




#5
2-Fluorophenol
Concen: 3.734 ng
RT: 5.599 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

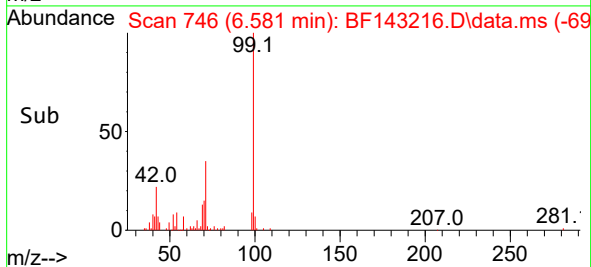
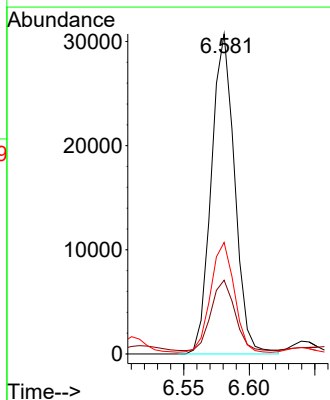
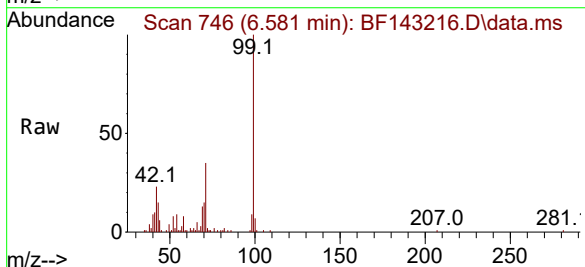
Instrument :
BNA_F
ClientSampleId :
RW5B-CARBON-20250716

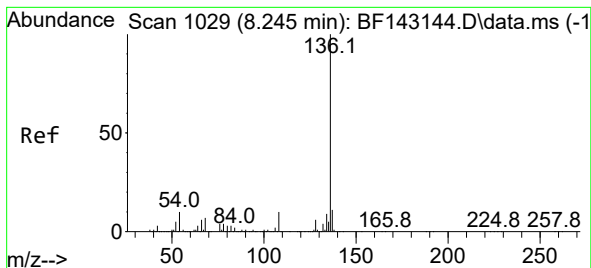
Tgt Ion:112 Resp: 29101
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 35.5 26.6 40.0



#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

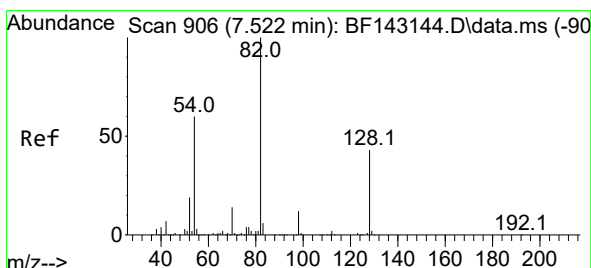
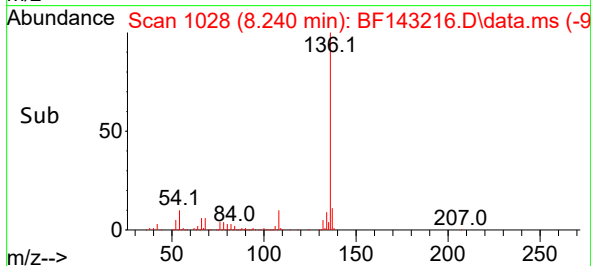
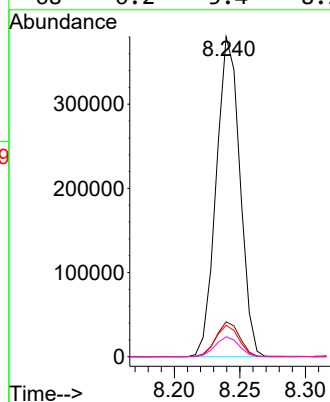
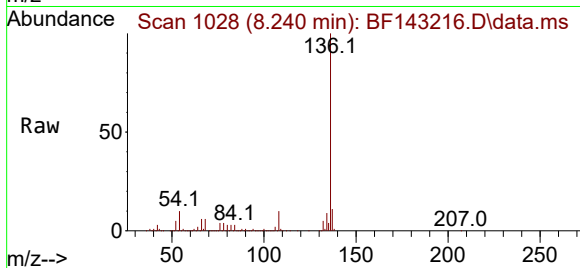
Ion Ratio Lower Upper

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

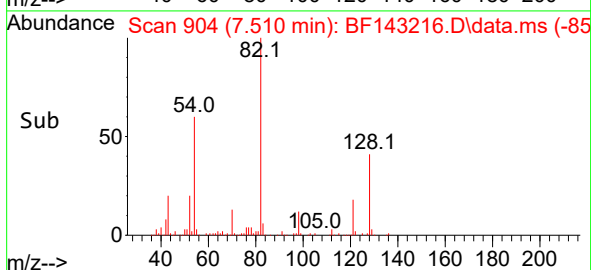
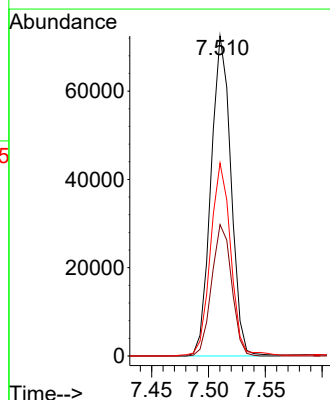
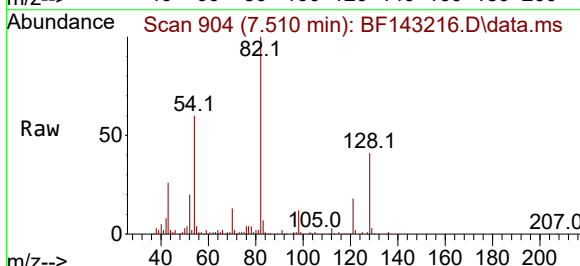
Tgt Ion: 82 Resp: 88924

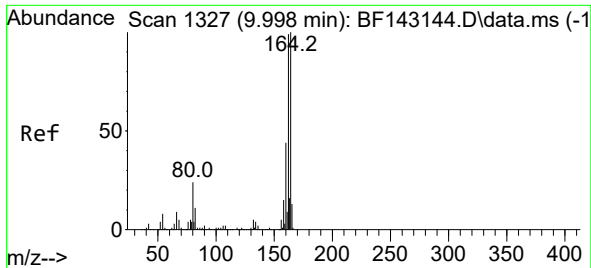
Ion Ratio Lower Upper

82 100

128 41.1 33.6 50.4

54 60.2 47.1 70.7

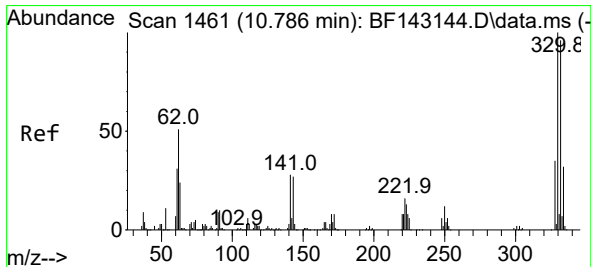
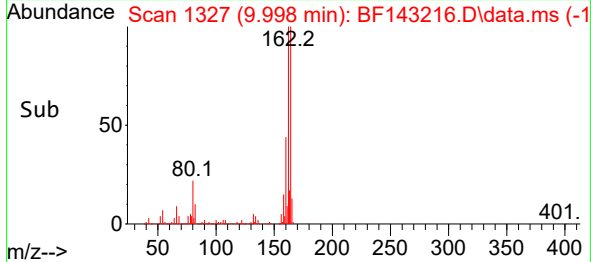
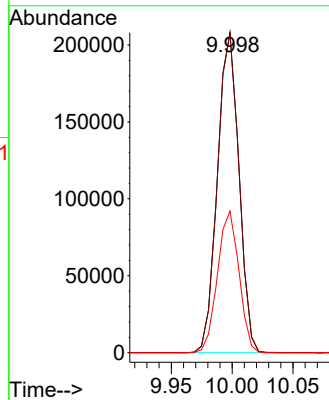
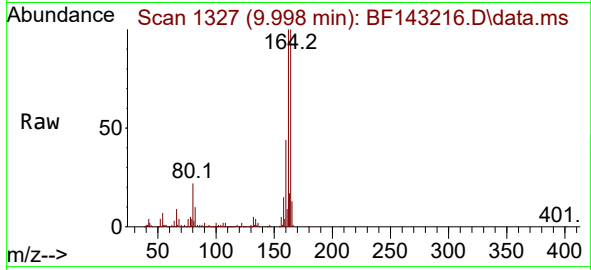




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143216.D
Acq: 23 Jul 2025 17:28

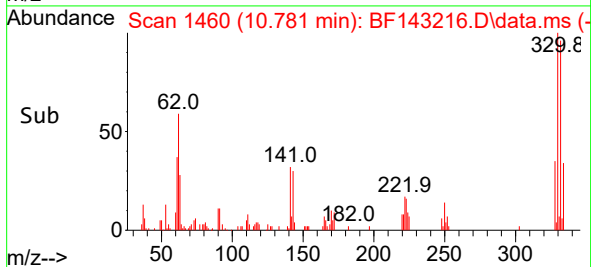
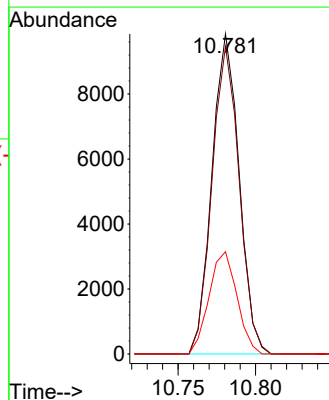
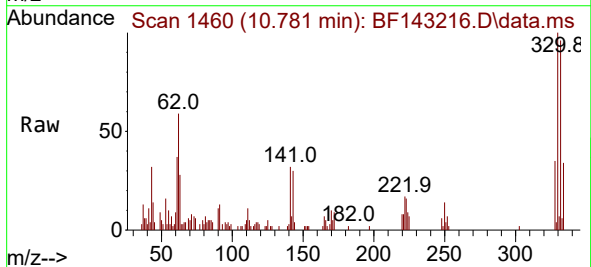
Instrument :
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ClientSampleId :
RW5B-CARBON-20250716

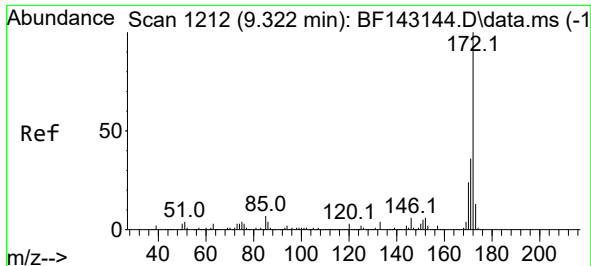
Tgt Ion:164 Resp: 255682
Ion Ratio Lower Upper
164 100
162 99.8 79.0 118.6
160 44.3 35.1 52.7



#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

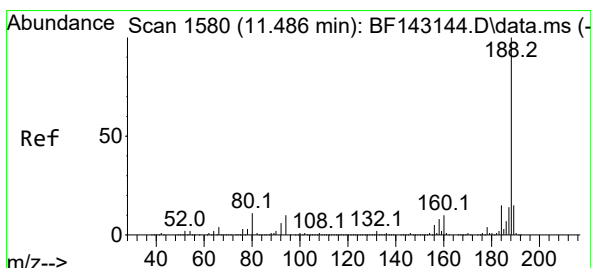
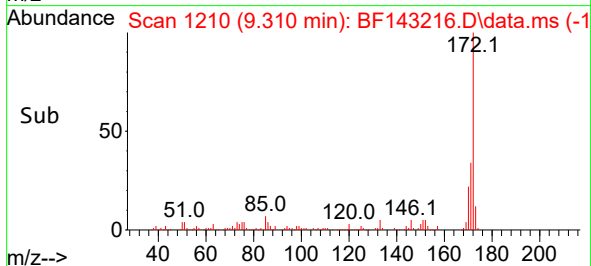
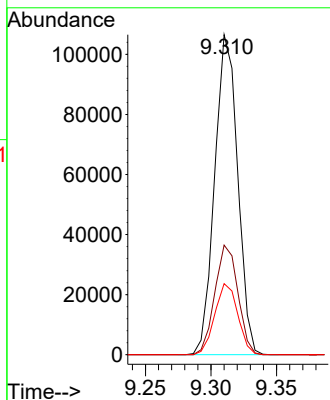
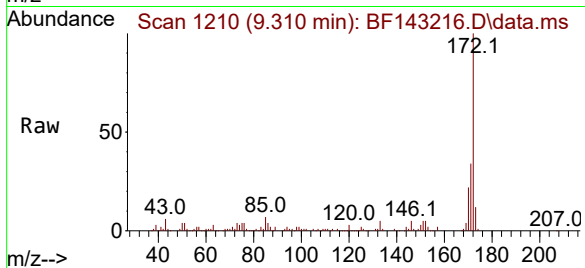
Tgt Ion:172 Resp: 129738

Ion Ratio Lower Upper

172 100

171 34.2 28.6 42.8

170 22.2 18.8 28.2



#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

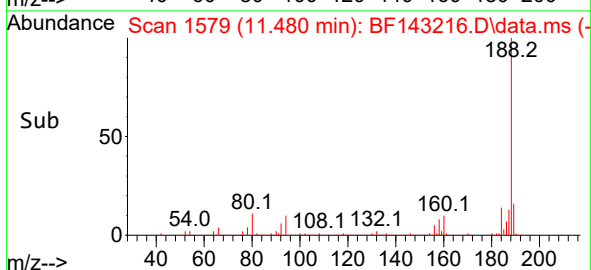
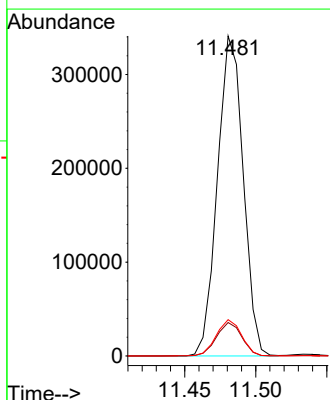
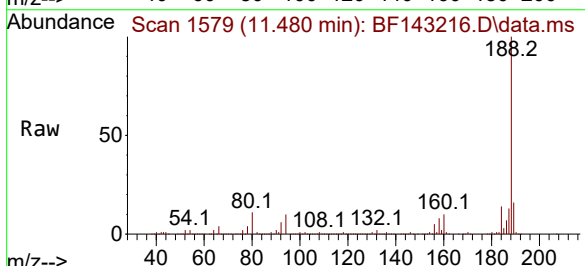
Tgt Ion:188 Resp: 430196

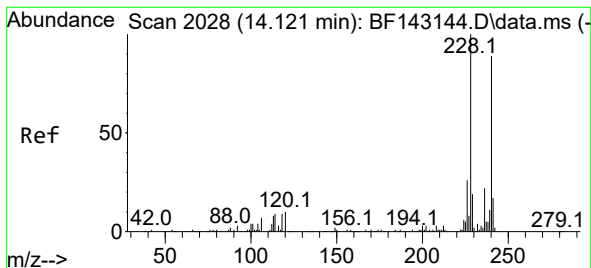
Ion Ratio Lower Upper

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

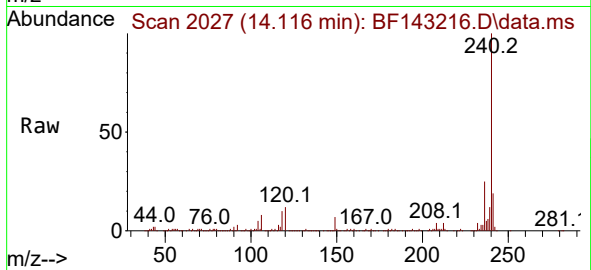
Acq: 23 Jul 2025 17:28

Instrument :

BNA_F

ClientSampleId :

RW5B-CARBON-20250716



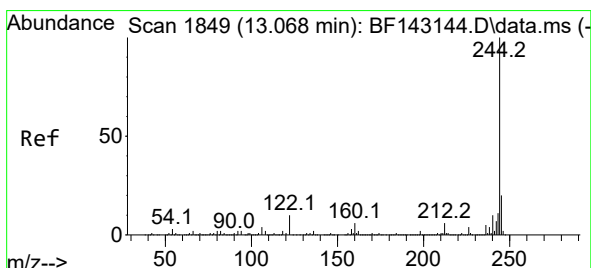
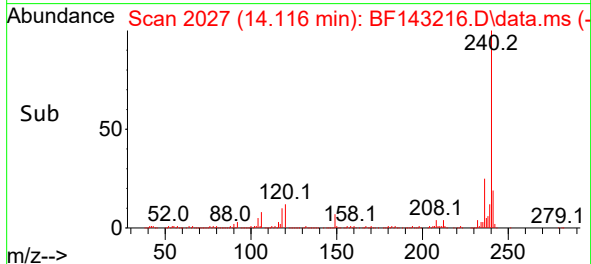
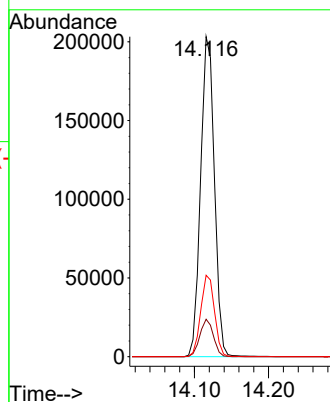
Tgt Ion:240 Resp: 262836

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

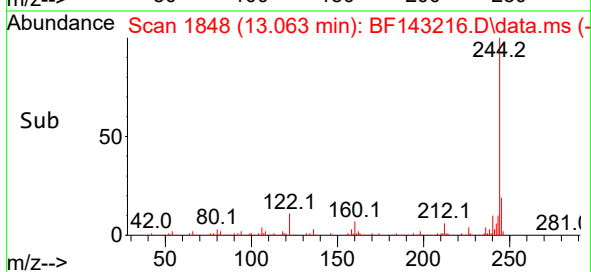
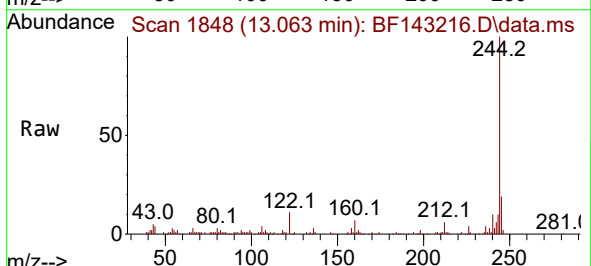
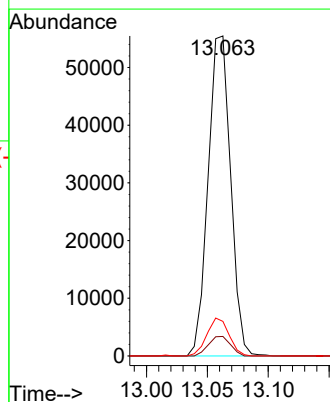
Tgt Ion:244 Resp: 71384

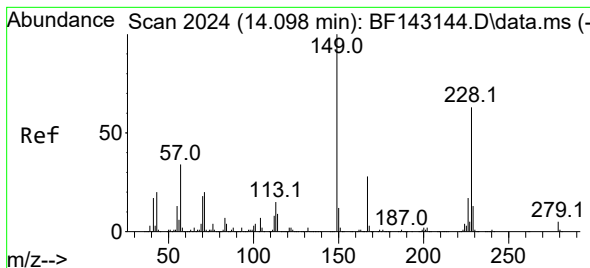
Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

122 10.8 8.2 12.2

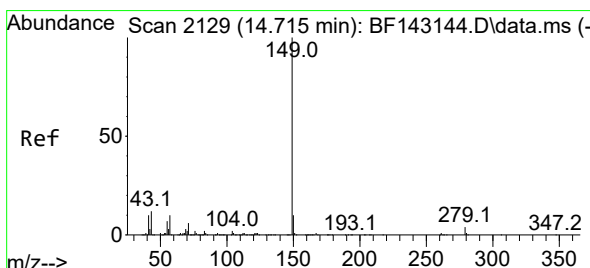
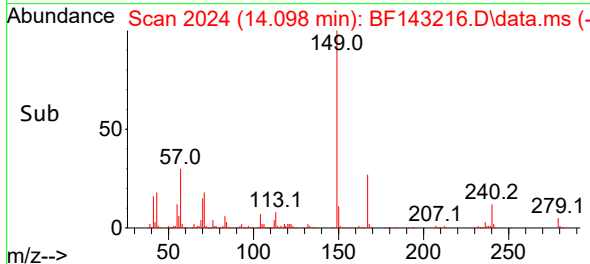
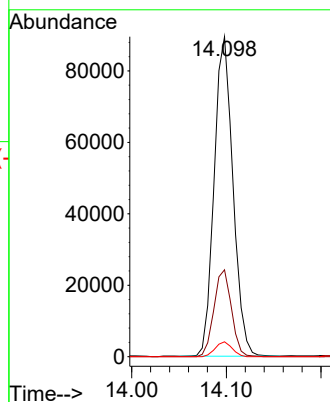
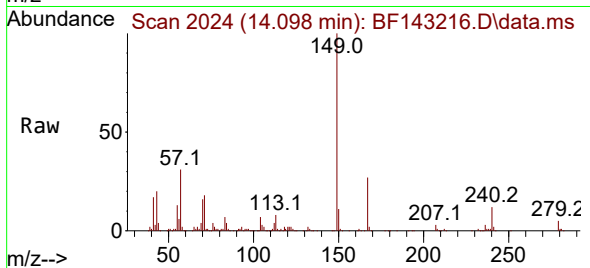




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 11.884 ng
 RT: 14.098 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF143216.D
 Acq: 23 Jul 2025 17:28

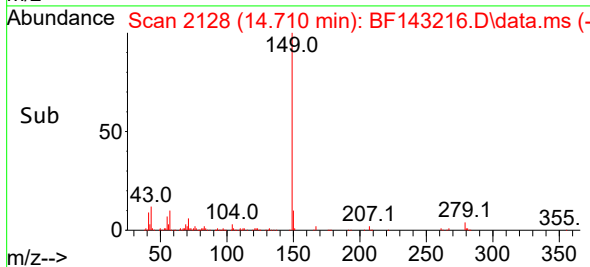
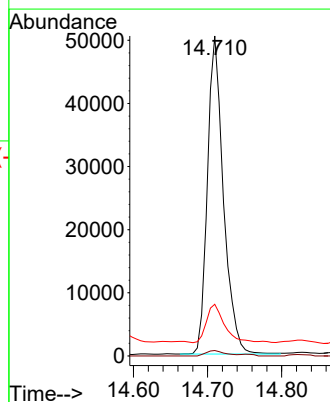
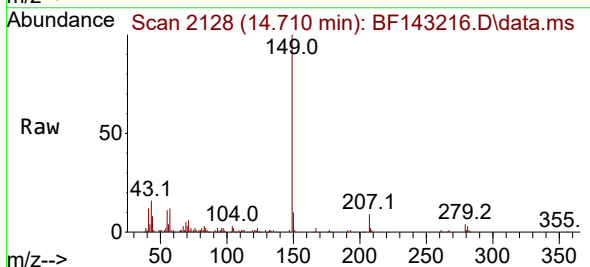
Instrument :
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 RW5B-CARBON-20250716

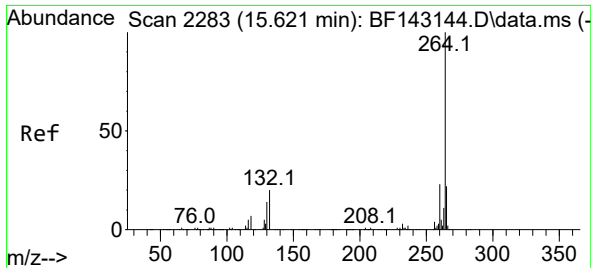
Tgt Ion:149 Resp: 123557
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.3 33.5
 279 4.6 3.6 5.4



#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

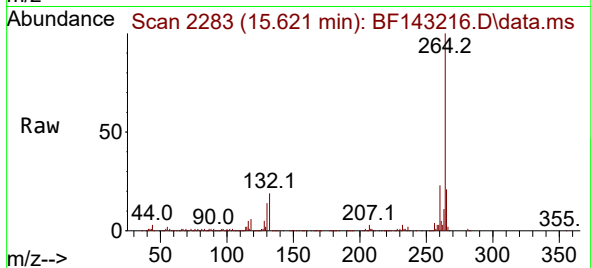
Tgt Ion:149 Resp: 75818
 Ion Ratio Lower Upper
 149 100
 167 2.0 1.1 1.7#
 43 13.7 9.7 14.5





#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

