

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141394.D
 Acq On : 04 Feb 2025 02:35
 Operator : RC/JU
 Sample : Q1261-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20430

Quant Time: Feb 04 03:40:58 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)

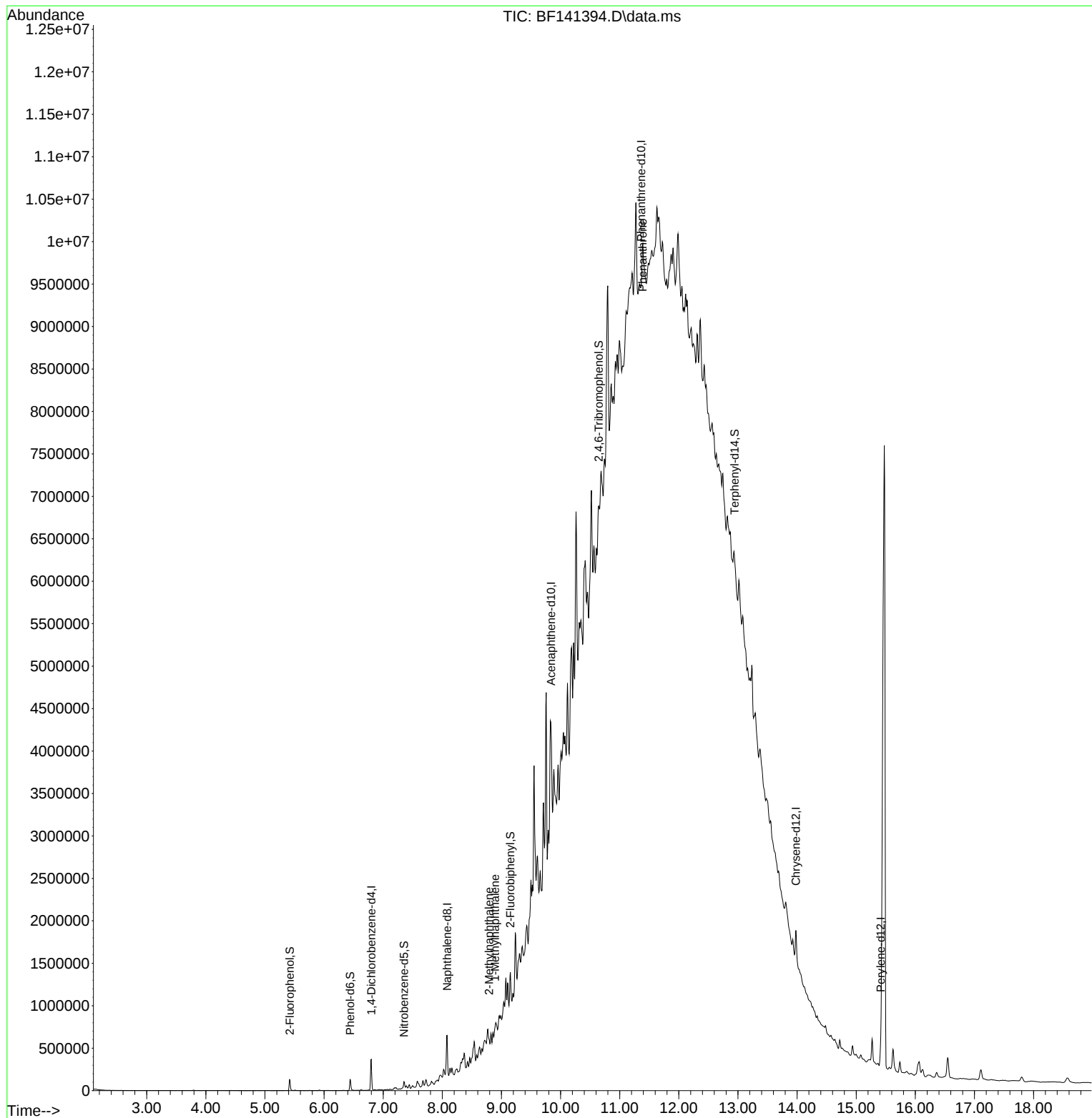
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	75811	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	257959	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	110614	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	130285	20.000	ng	# 0.04
76) Chrysene-d12	13.980	240	145730	20.000	ng	0.00
86) Perylene-d12	15.415	264	118848	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	51782	10.486	ng	0.01
7) Phenol-d6	6.439	99	62694	9.980	ng	0.00
23) Nitrobenzene-d5	7.351	82	37023	7.566	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	8568	8.449	ng	0.01
45) 2-Fluorobiphenyl	9.151	172	57902	8.057	ng	-0.01
79) Terphenyl-d14	12.945	244	47062	4.980	ng	0.03
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.792	142	31187	3.601	ng	96
38) 1-Methylnaphthalene	8.892	142	24902	2.927	ng	92
71) Phenanthrene	11.386	178	277632	39.643	ng	# 66

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

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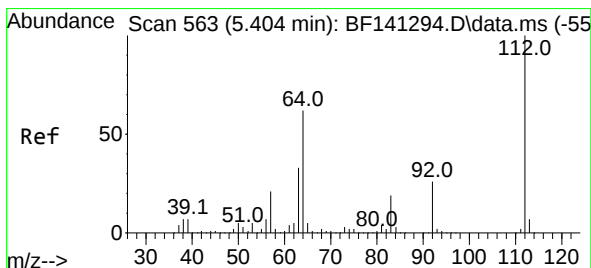
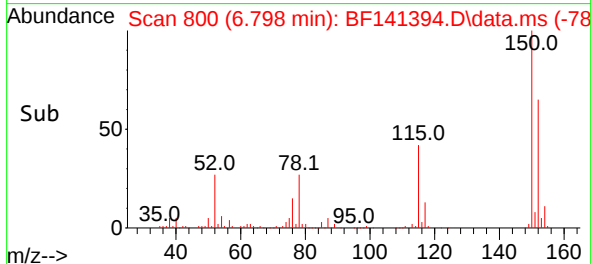
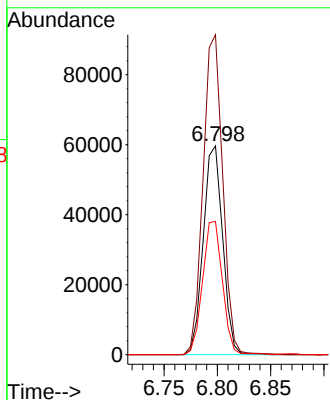
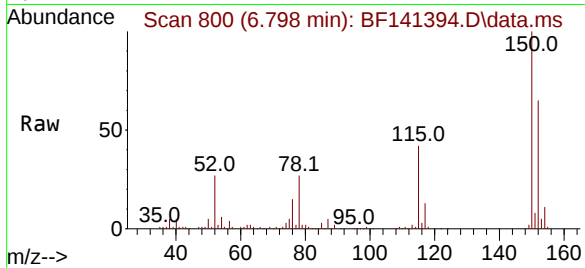




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141394.D
 Acq: 04 Feb 2025 02:35

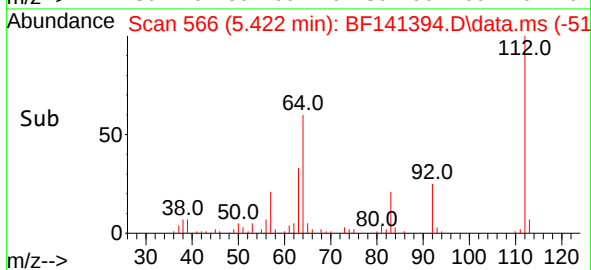
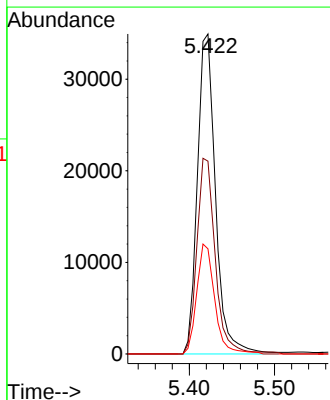
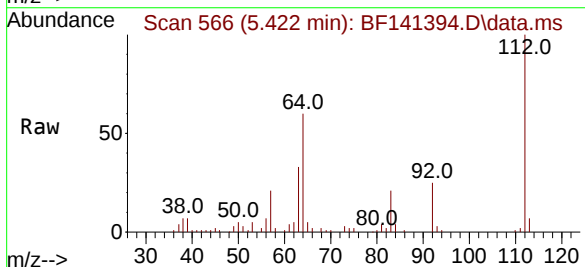
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20430

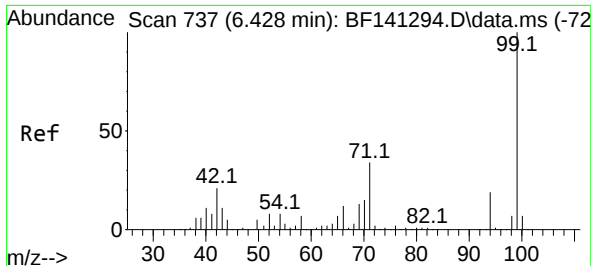
Tgt Ion:152 Resp: 75811
 Ion Ratio Lower Upper
 152 100
 150 153.3 125.9 188.9
 115 63.8 49.7 74.5



#5
 2-Fluorophenol
 Concen: 10.486 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141394.D
 Acq: 04 Feb 2025 02:35

Tgt Ion:112 Resp: 51782
 Ion Ratio Lower Upper
 112 100
 64 60.2 49.8 74.8
 63 32.9 26.1 39.1

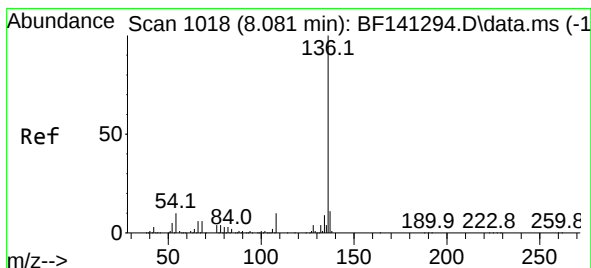
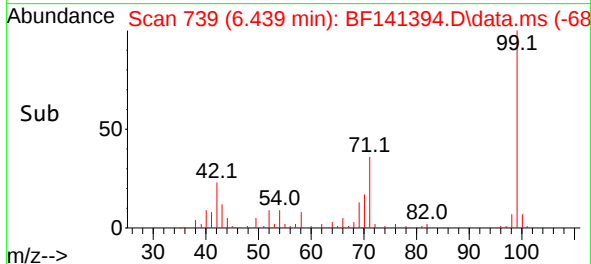
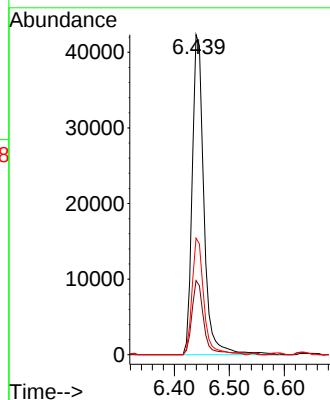
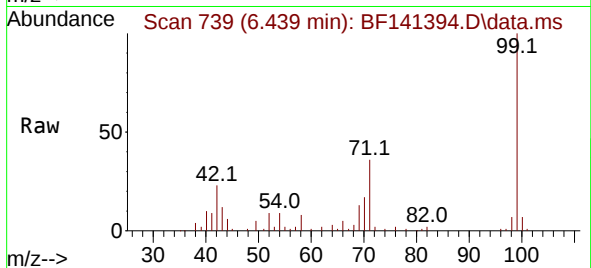




#7
Phenol-d6
Concen: 9.980 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

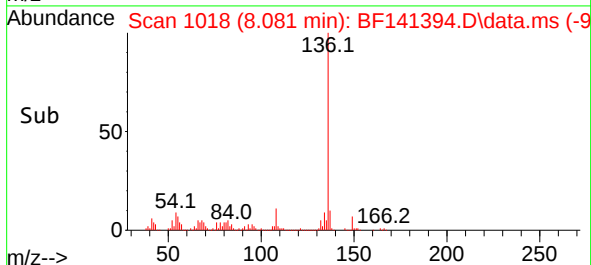
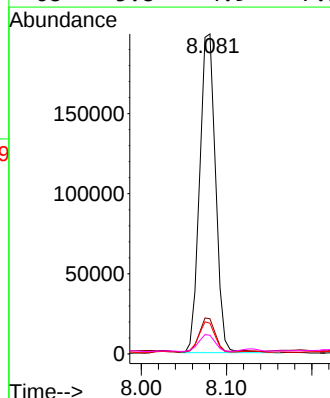
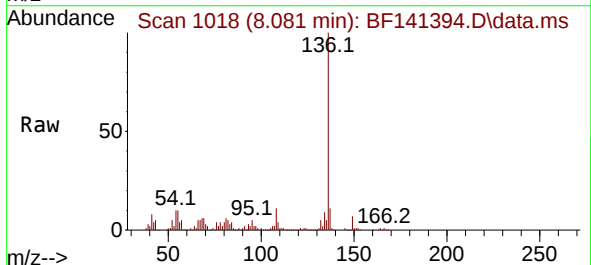
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

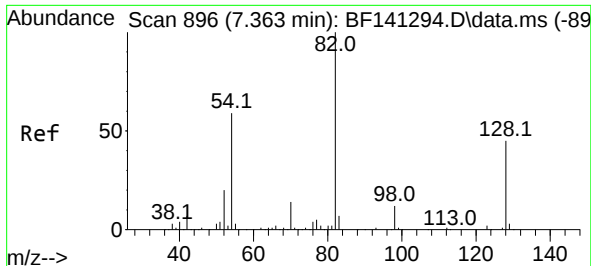
Tgt Ion: 99 Resp: 62694
Ion Ratio Lower Upper
99 100
42 23.2 17.1 25.7
71 36.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion: 136 Resp: 257959
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.6 7.8 11.8
68 5.8 4.9 7.3

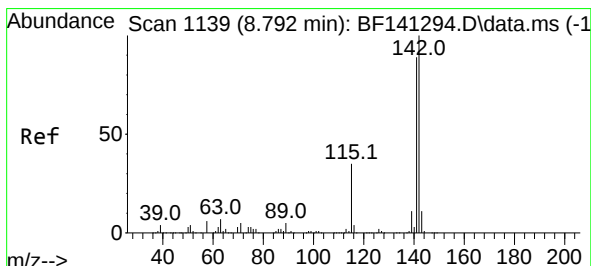
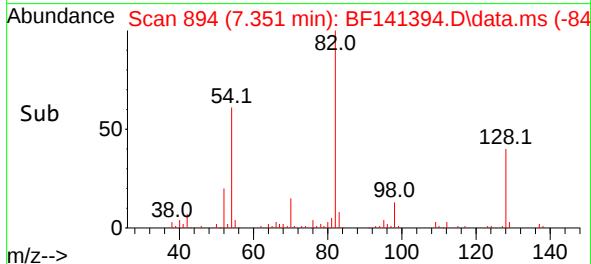
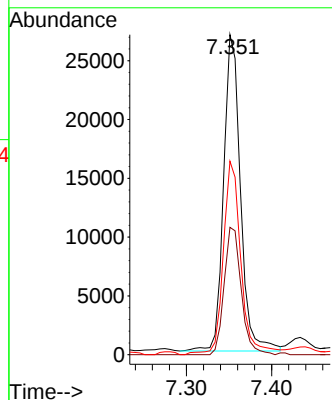
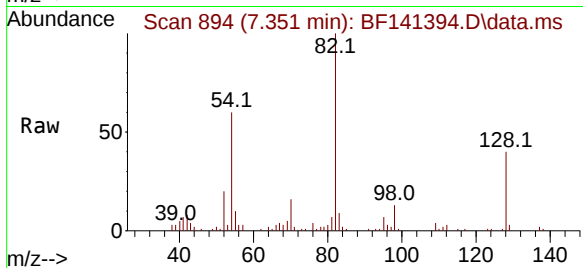




#23
Nitrobenzene-d5
Concen: 7.566 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

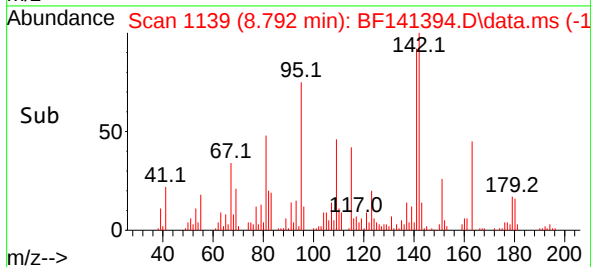
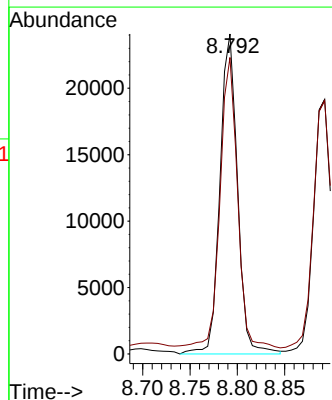
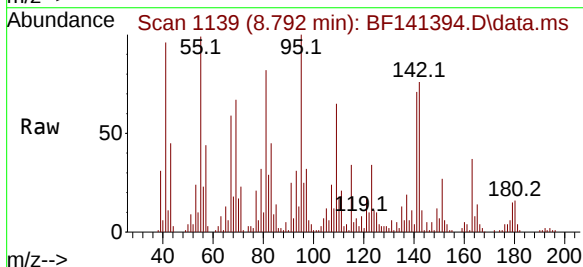
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

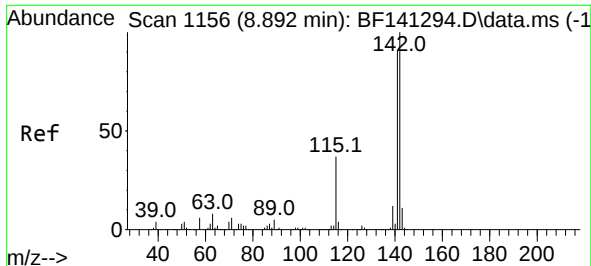
Tgt Ion: 82 Resp: 37023
Ion Ratio Lower Upper
82 100
128 39.8 35.7 53.5
54 60.5 47.1 70.7



#37
2-Methylnaphthalene
Concen: 3.601 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion: 142 Resp: 31187
Ion Ratio Lower Upper
142 100
141 92.7 71.3 106.9

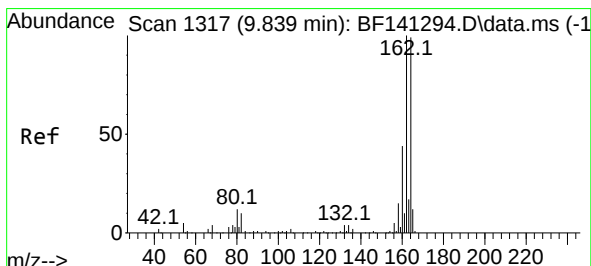
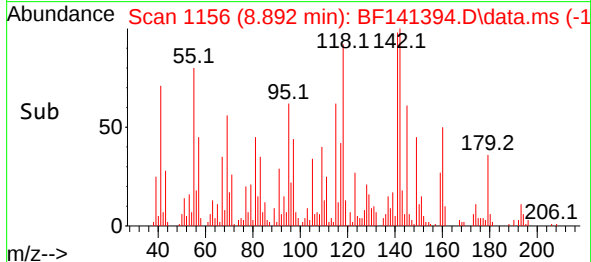
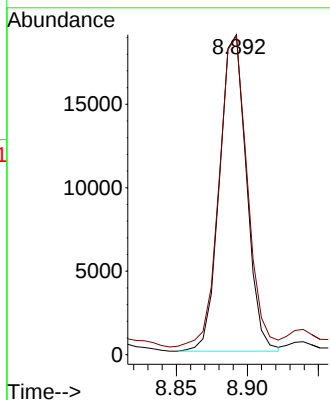
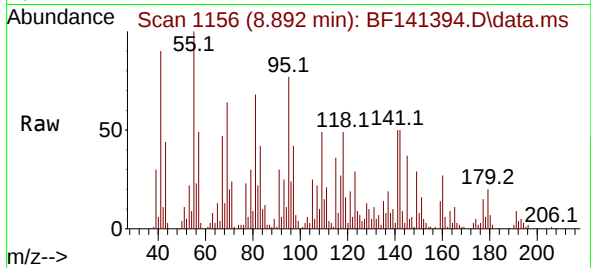




#38
1-Methylnaphthalene
Concen: 2.927 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

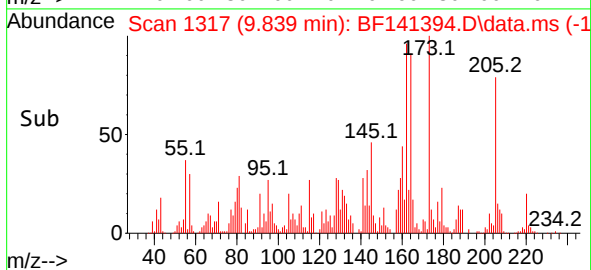
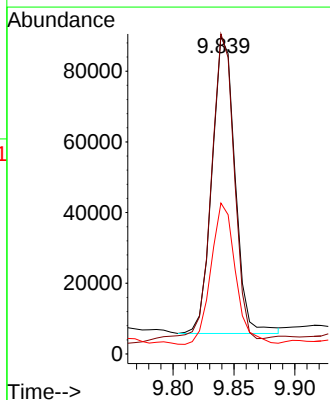
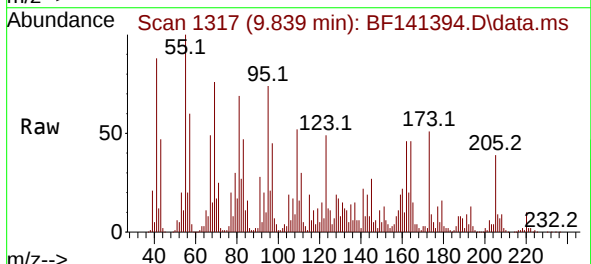
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

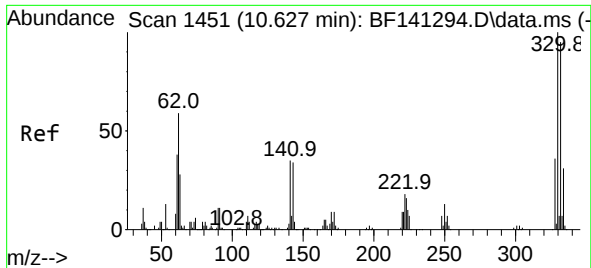
Tgt Ion:142 Resp: 24902
Ion Ratio Lower Upper
142 100
141 99.5 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion:164 Resp: 110614
Ion Ratio Lower Upper
164 100
162 100.7 80.6 121.0
160 47.5 35.8 53.6

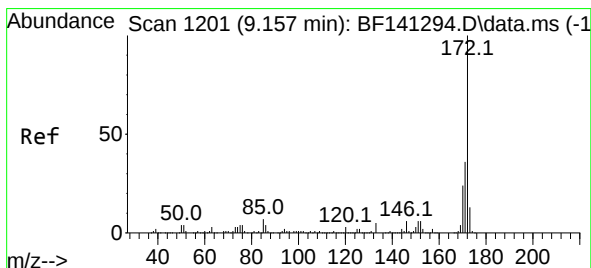
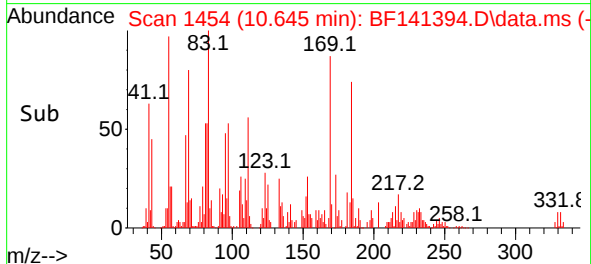
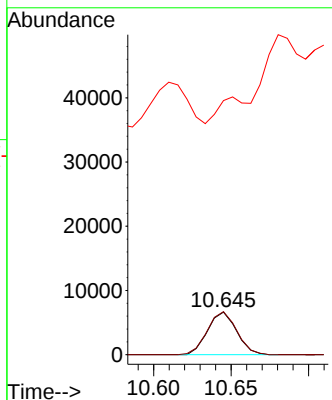
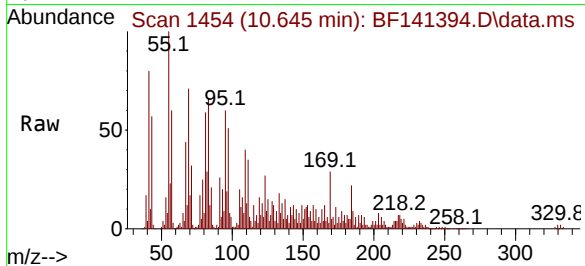




#42
2,4,6-Tribromophenol
Concen: 8.449 ng
RT: 10.645 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

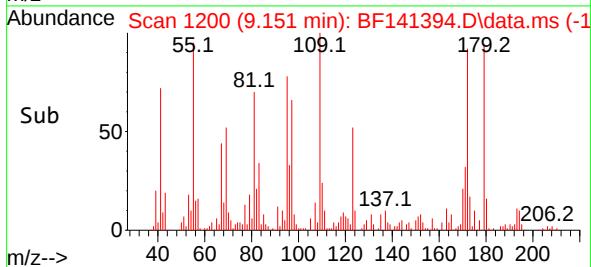
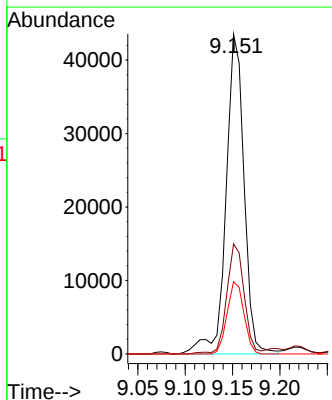
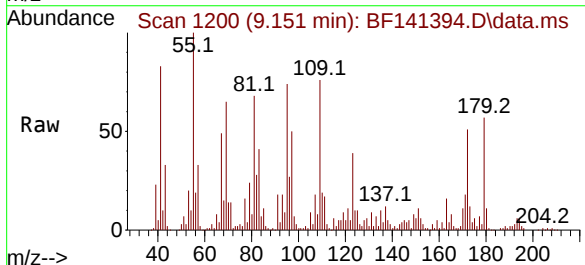
Instrument :
BNA_F
ClientSampleId :
CHRT-20430

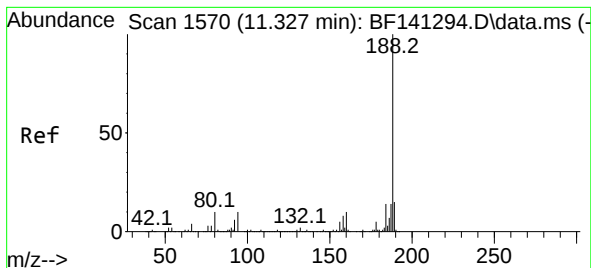
Tgt Ion: 330 Resp: 8568
Ion Ratio Lower Upper
330 100
332 103.5 76.1 114.1
141 64.3 28.8 43.2#



#45
2-Fluorobiphenyl
Concen: 8.057 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Tgt Ion: 172 Resp: 57902
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 22.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. 0.035 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

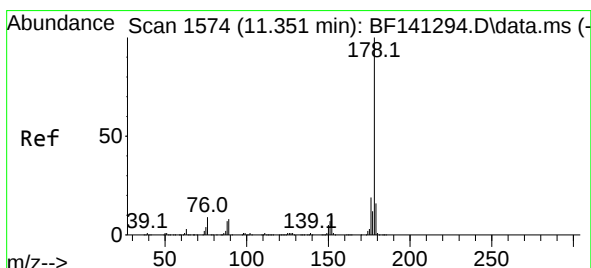
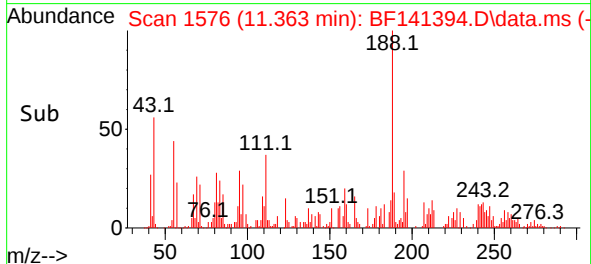
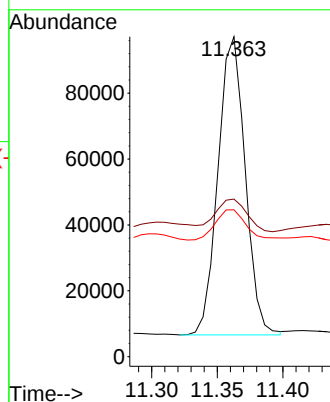
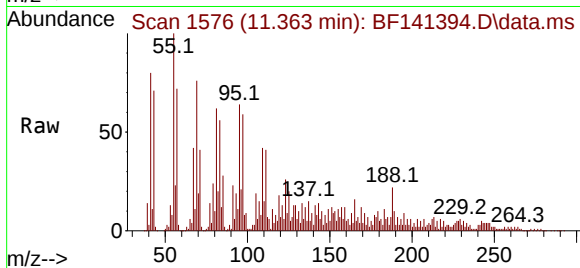
Tgt Ion:188 Resp: 130285

Ion Ratio Lower Upper

188 100

94 49.2 7.8 11.6#

80 45.9 8.2 12.4#



#71

Phenanthrene

Concen: 39.643 ng

RT: 11.386 min Scan# 1580

Delta R.T. 0.035 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

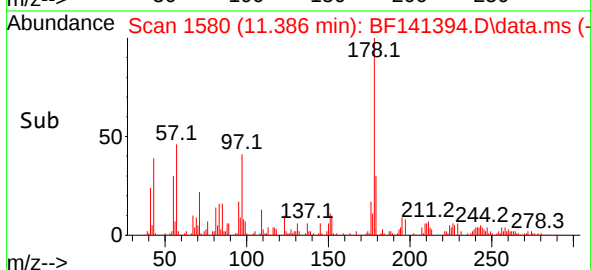
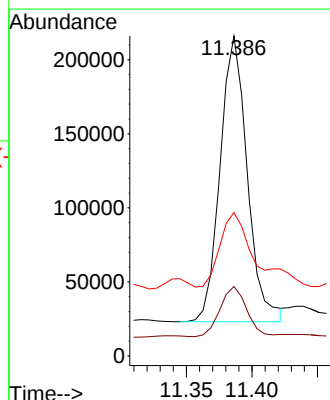
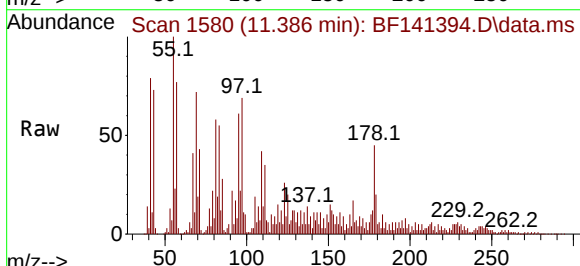
Tgt Ion:178 Resp: 277632

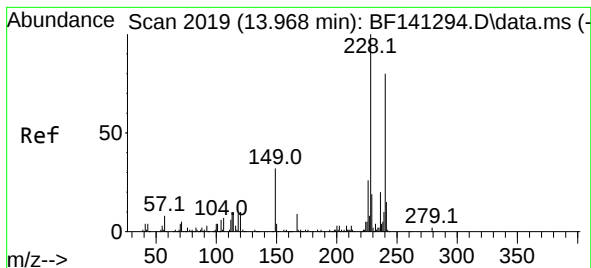
Ion Ratio Lower Upper

178 100

176 21.7 15.3 22.9

179 44.8 12.5 18.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

Instrument :

BNA_F

ClientSampleId :

CHRT-20430

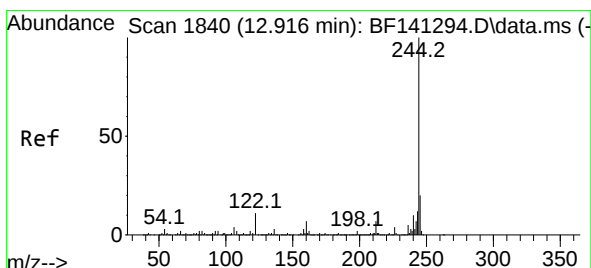
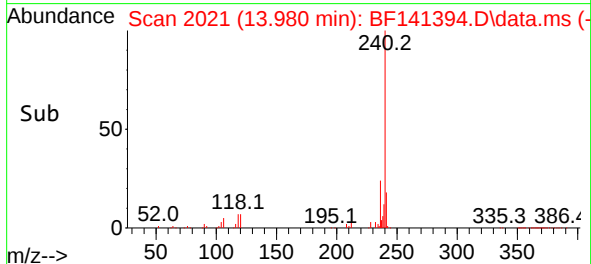
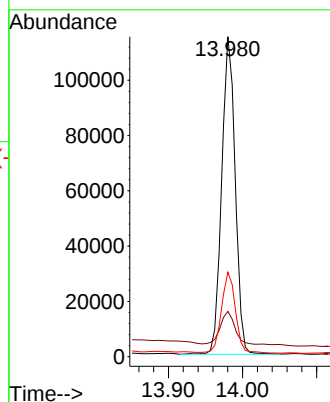
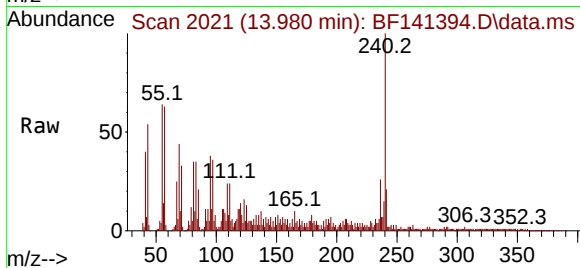
Tgt Ion:240 Resp: 145730

Ion Ratio Lower Upper

240 100

120 14.1 10.0 15.0

236 26.4 19.7 29.5



#79

Terphenyl-d14

Concen: 4.980 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.029 min

Lab File: BF141394.D

Acq: 04 Feb 2025 02:35

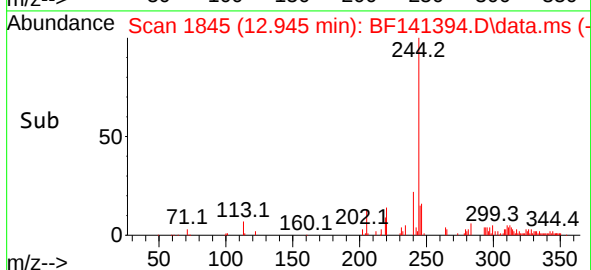
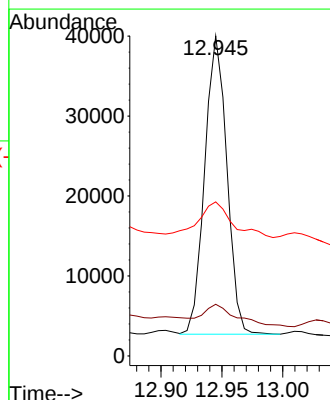
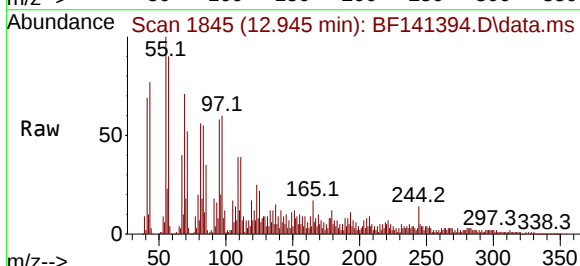
Tgt Ion:244 Resp: 47062

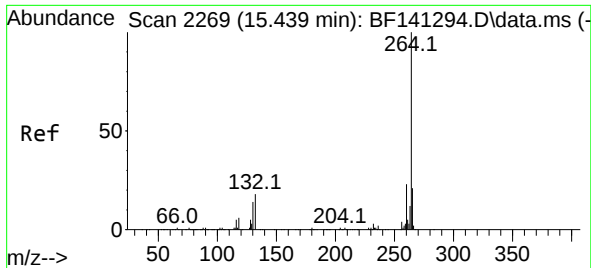
Ion Ratio Lower Upper

244 100

212 16.2 5.4 8.0#

122 48.1 8.8 13.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141394.D
Acq: 04 Feb 2025 02:35

Instrument :
BNA_F
ClientSampleId :
CHRT-20430

Tgt Ion:	264	Resp:	118848
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.6	27.8
265	22.0	16.7	25.1

