

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139538.D
 Acq On : 25 Sep 2024 19:47
 Operator : RC/JU
 Sample : P4172-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20425

Quant Time: Sep 26 01:28:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

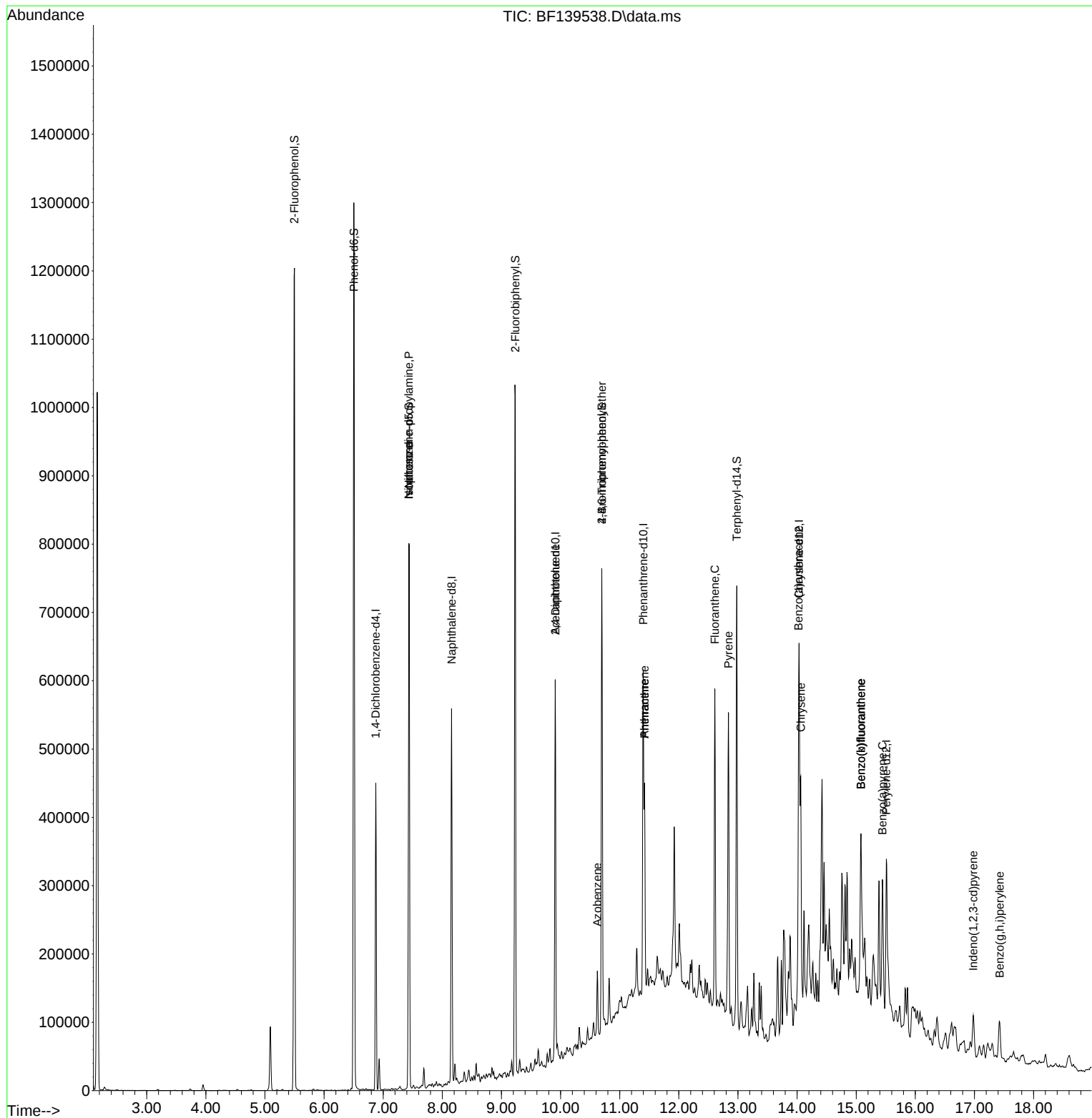
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	84943	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	315878	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	160510	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	238640	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	156653	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	132212	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	411905	79.107	ng	0.00
7) Phenol-d6	6.504	99	560151	81.960	ng	0.00
23) Nitrobenzene-d5	7.434	82	348156	51.815	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	99168	58.033	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	448883	39.223	ng	0.00
79) Terphenyl-d14	12.980	244	300310	31.466	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	48344	11.937	ng	# 74
25) Isophorone	7.434	82	346691	32.625	ng	# 67
57) 2,4-Dinitrotoluene	9.910	165	21314	6.765	ng	# 17
63) Azobenzene	10.622	77	24010	2.245	ng	# 7
67) 4-Bromophenyl-phenylether	10.698	248	7033	2.974	ng	# 1
71) Phenanthrene	11.422	178	152713	13.264	ng	100
72) Anthracene	11.422	178	152713	13.566	ng	99
75) Fluoranthene	12.610	202	256415	20.855	ng	98
78) Pyrene	12.839	202	262536	19.518	ng	99
81) Benzo(a)anthracene	14.027	228	153070	14.751	ng	# 90
83) Chrysene	14.063	228	197427	20.680	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.980	276	38489	4.896	ng	99
88) Benzo(b)fluoranthene	15.080	252	195541	23.981	ng	# 98
89) Benzo(k)fluoranthene	15.080	252	195541	26.009	ng	# 97
90) Benzo(a)pyrene	15.445	252	110582	16.352	ng	# 95
92) Benzo(g,h,i)perylene	17.427	276	47677	7.412	ng	# 93

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

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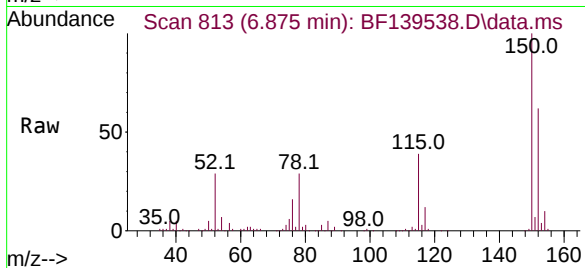
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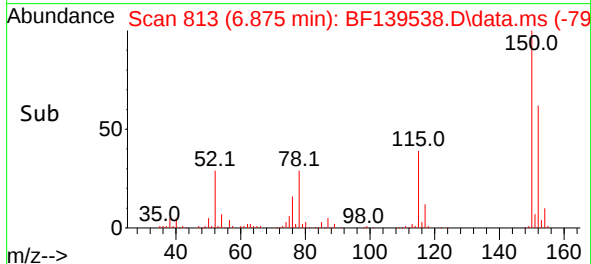
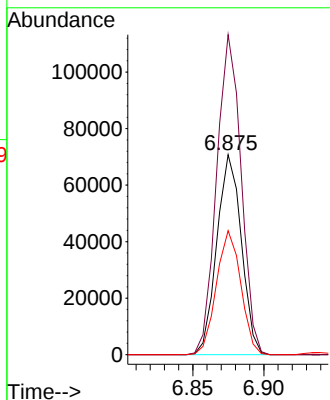


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :
BNA_F
ClientSampleId :
CHRT-20425

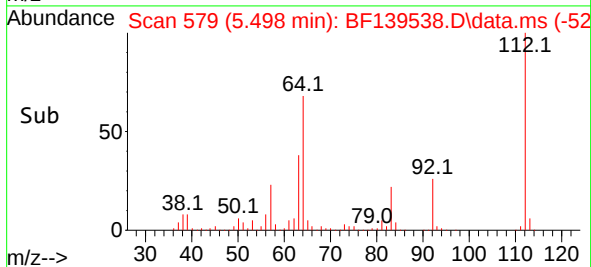
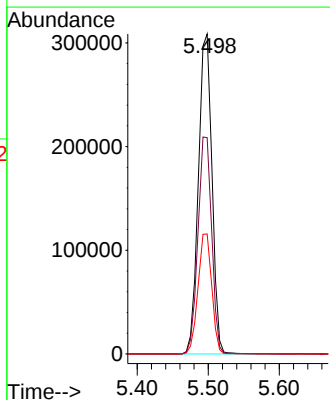
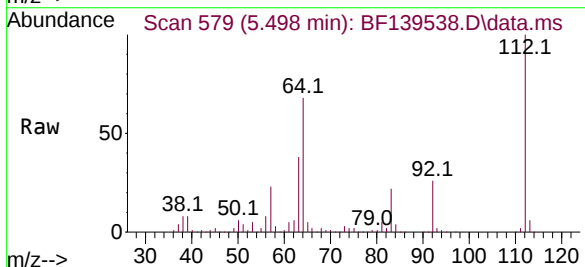


Tgt Ion:152 Resp: 84943
Ion Ratio Lower Upper
152 100
150 160.0 124.1 186.1
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 79.107 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

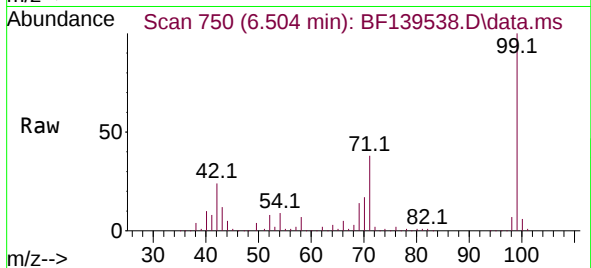
Tgt Ion:112 Resp: 411905
Ion Ratio Lower Upper
112 100
64 67.6 54.8 82.2
63 37.5 33.0 49.4



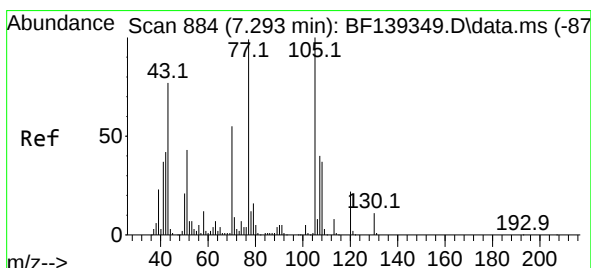
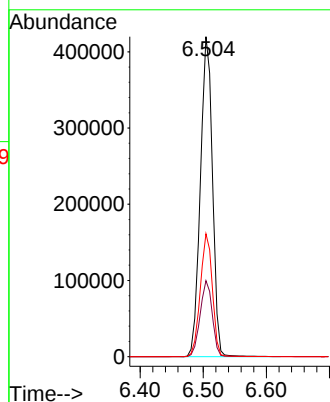
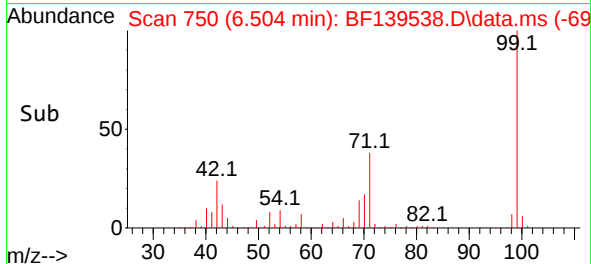


#7
Phenol-d6
Concen: 81.960 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

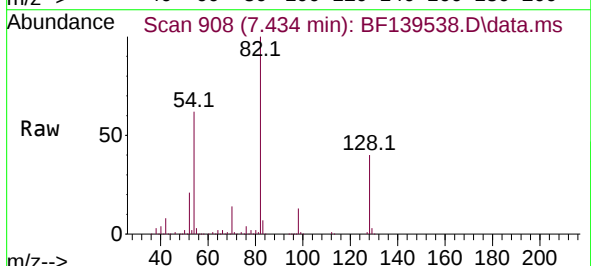
Instrument :
BNA_F
ClientSampleId :
CHRT-20425



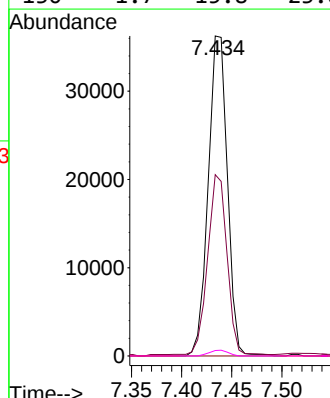
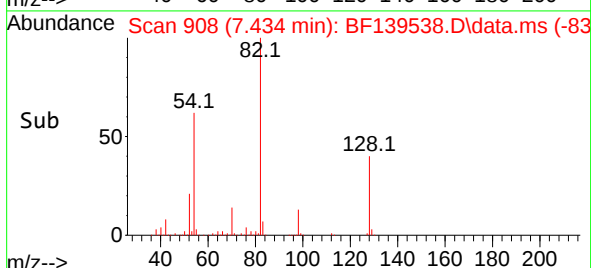
Tgt Ion: 99 Resp: 560151
Ion Ratio Lower Upper
99 100
42 23.8 21.9 32.9
71 38.4 34.6 52.0

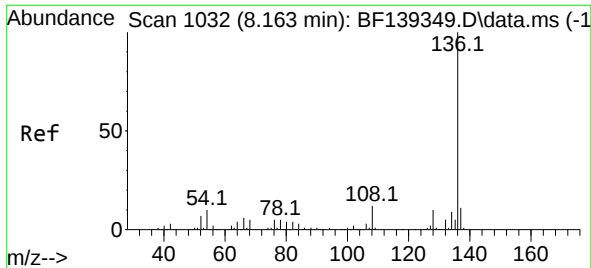


#19
n-Nitroso-di-n-propylamine
Concen: 11.937 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47



Tgt Ion: 70 Resp: 48344
Ion Ratio Lower Upper
70 100
42 56.7 61.2 91.8#
101 0.0 7.5 11.3#
130 1.7 15.8 23.8#

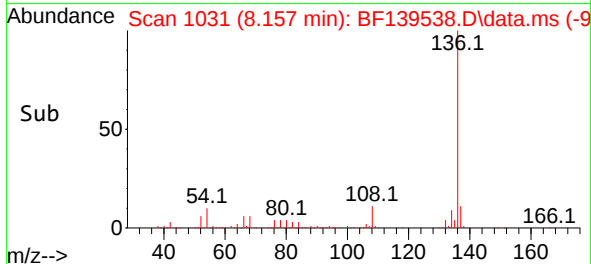
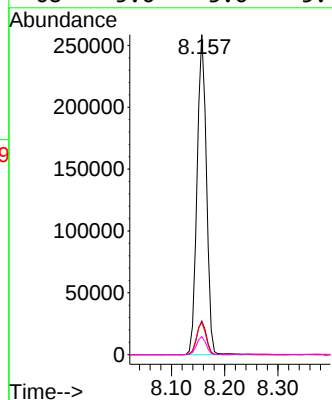
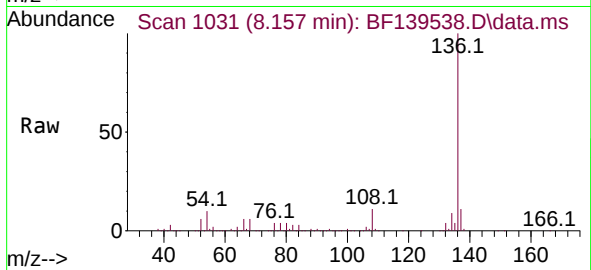




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

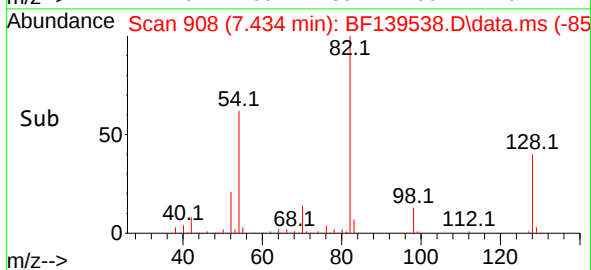
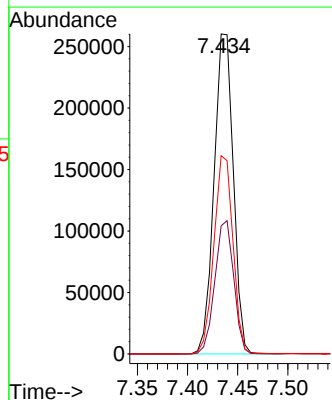
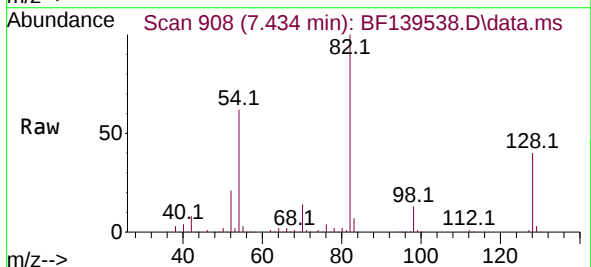
Instrument :
BNA_F
ClientSampleId :
CHRT-20425

Tgt Ion:	136	Resp:	315878
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	10.1	7.8	11.8
68	5.6	3.6	5.4



#23
Nitrobenzene-d5
Concen: 51.815 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:	82	Resp:	348156
Ion	Ratio	Lower	Upper
82	100		
128	40.1	31.8	47.6
54	62.0	50.6	75.8

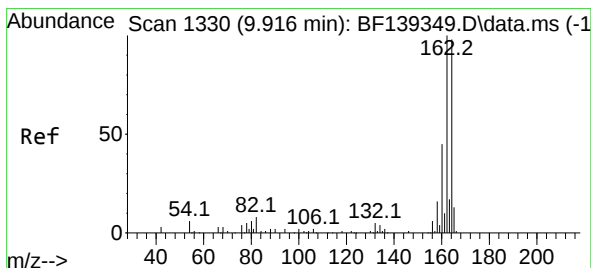
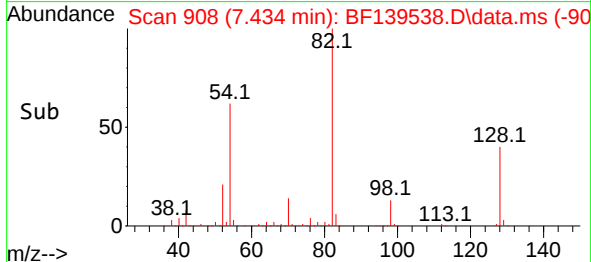
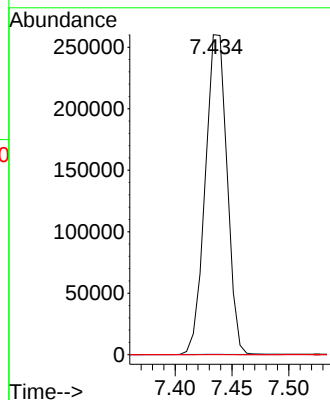
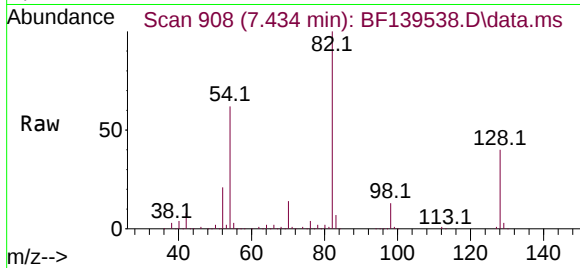




#25
Isophorone
Concen: 32.625 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

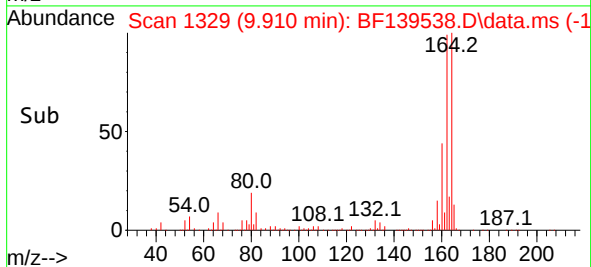
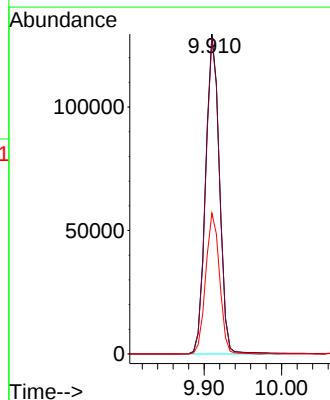
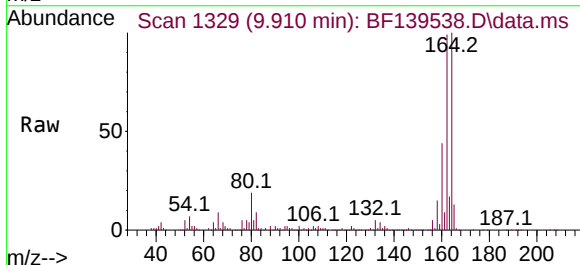
Instrument :
BNA_F
ClientSampleId :
CHRT-20425

Tgt Ion: 82 Resp: 346691
Ion Ratio Lower Upper
82 100
95 0.1 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

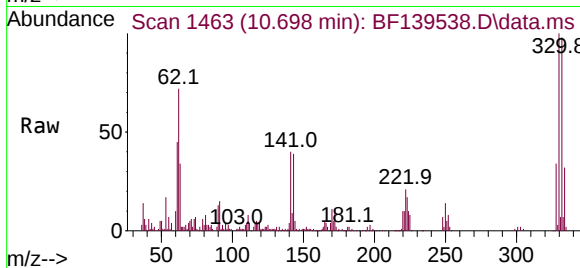
Tgt Ion:164 Resp: 160510
Ion Ratio Lower Upper
164 100
162 98.7 81.3 121.9
160 44.0 36.4 54.6



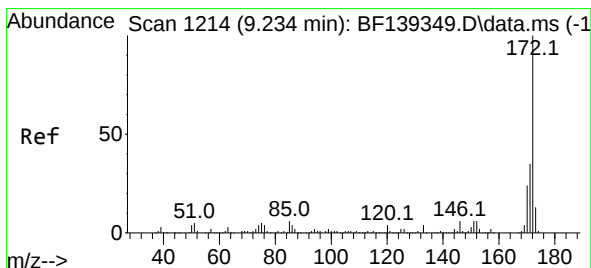
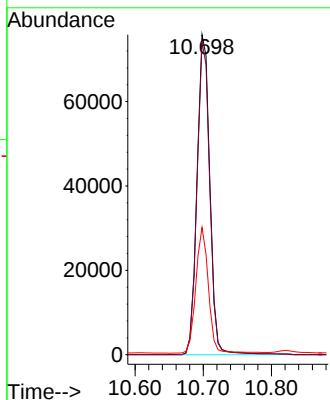
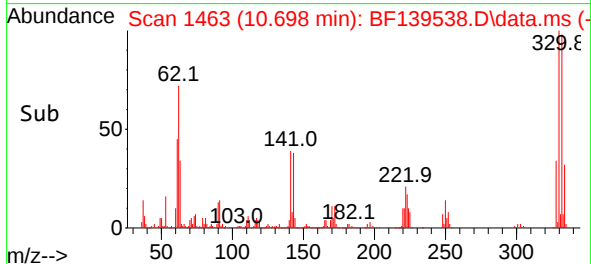


#42
2,4,6-Tribromophenol
Concen: 58.033 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :
BNA_F
ClientSampleId :
CHRT-20425

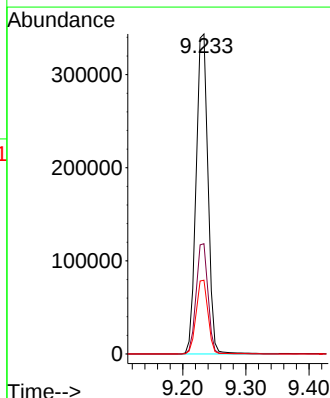
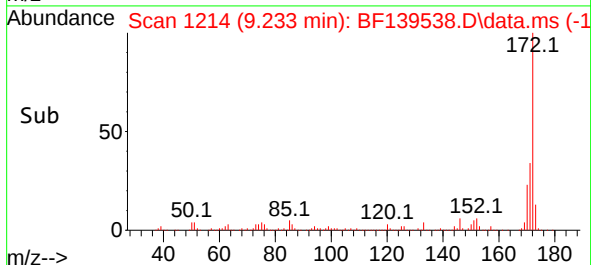
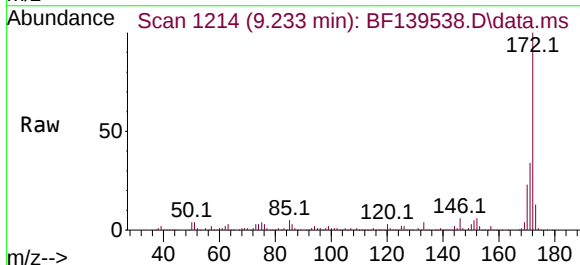


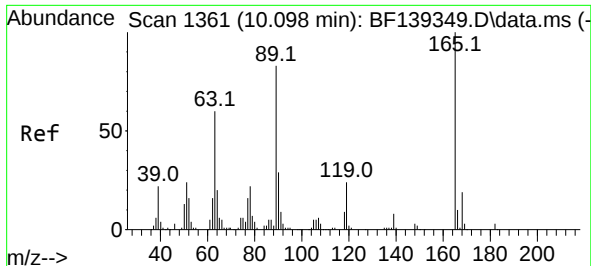
Tgt Ion:330 Resp: 99168
Ion Ratio Lower Upper
330 100
332 97.2 75.2 112.8
141 38.6 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 39.223 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:172 Resp: 448883
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.1 19.0 28.6

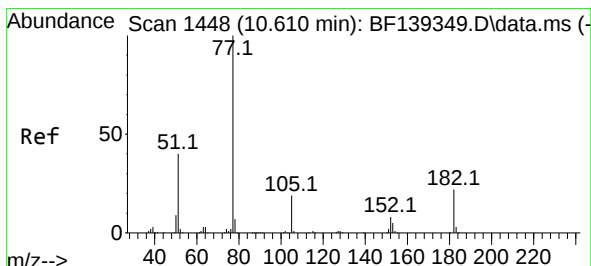
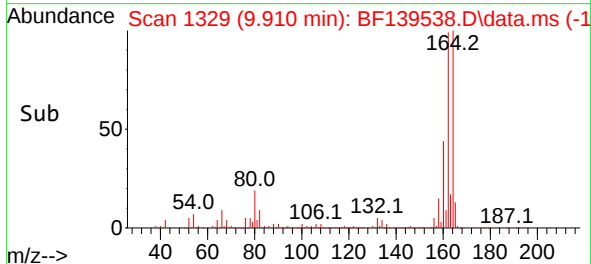
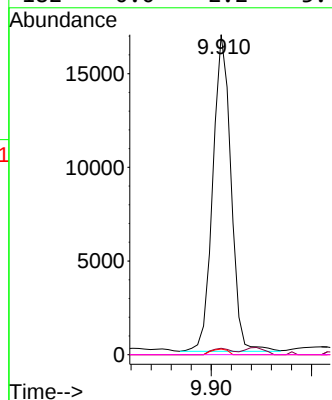
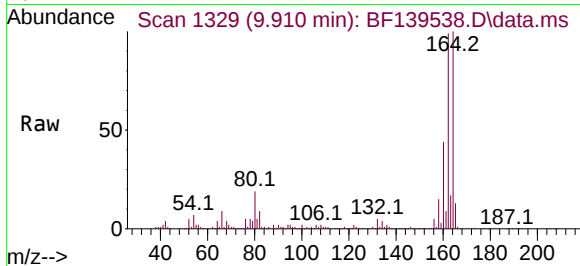




#57
2,4-Dinitrotoluene
Concen: 6.765 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

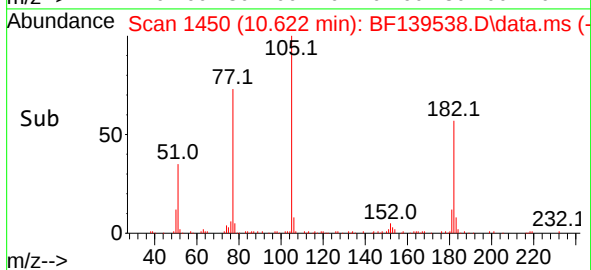
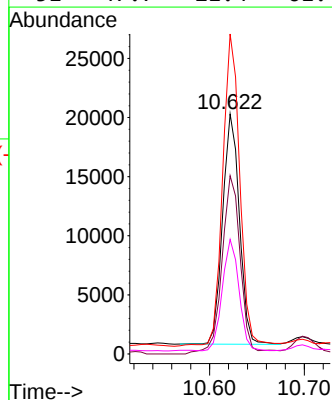
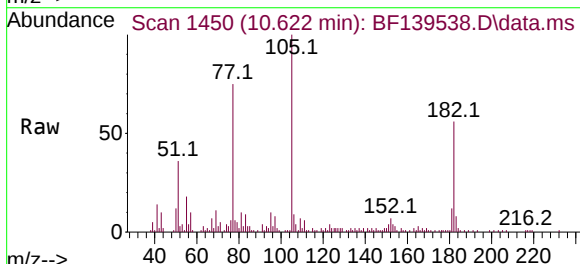
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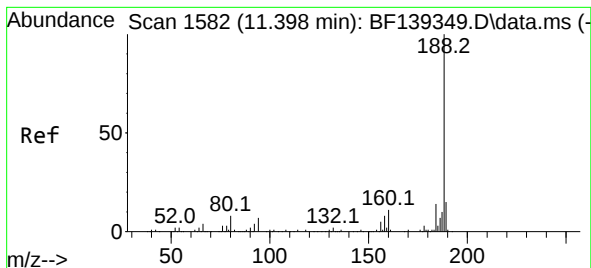
Tgt Ion:165 Resp: 21314
Ion Ratio Lower Upper
165 100
63 2.0 47.8 71.6#
89 1.8 66.7 100.1#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 2.245 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion: 77 Resp: 24010
Ion Ratio Lower Upper
77 100
182 74.3 1.8 41.8#
105 133.3 0.0 38.6#
51 47.7 21.4 61.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

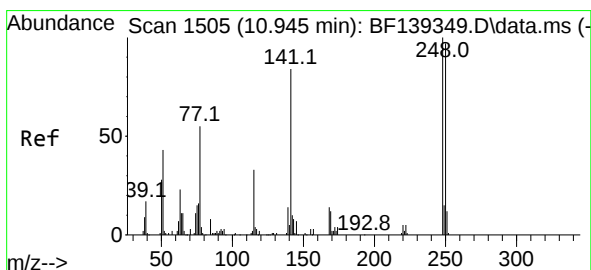
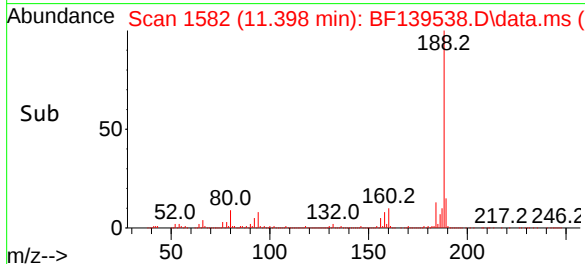
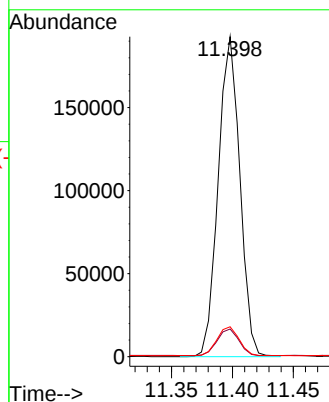
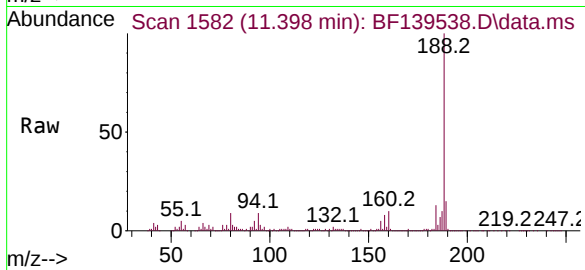
Tgt Ion:188 Resp: 238640

Ion Ratio Lower Upper

188 100

94 8.6 5.5 8.3#

80 9.4 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 2.974 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

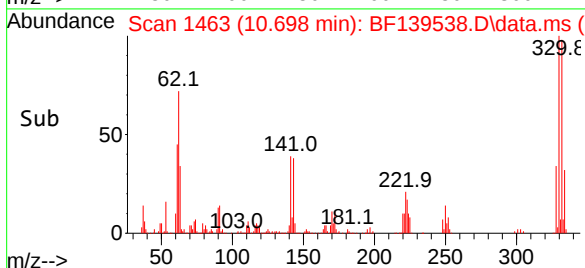
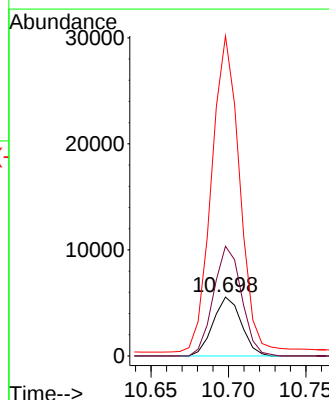
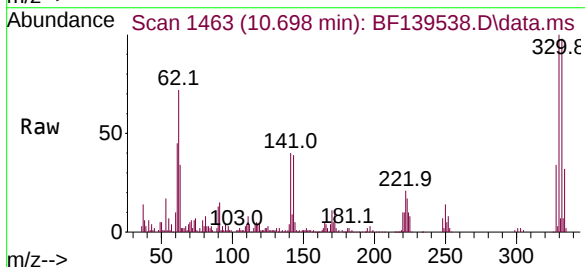
Tgt Ion:248 Resp: 7033

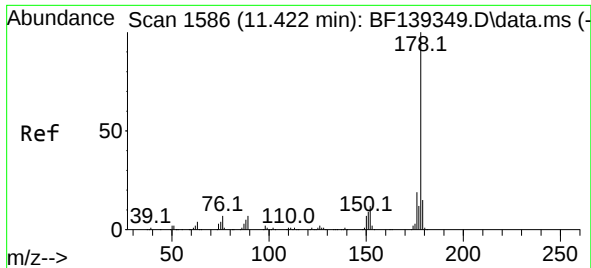
Ion Ratio Lower Upper

248 100

250 186.6 77.6 116.4#

141 543.9 66.9 100.3#

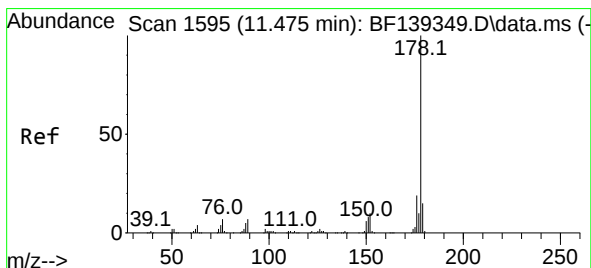
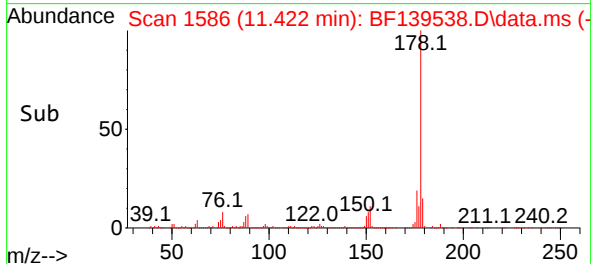
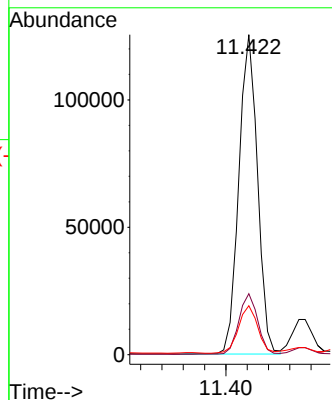
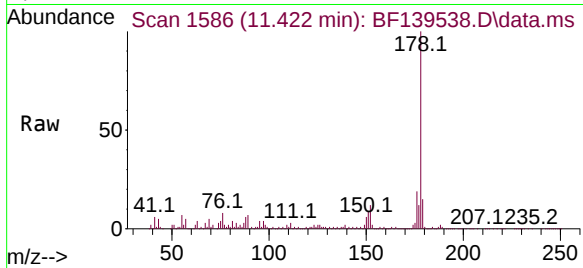




#71
Phenanthrene
Concen: 13.264 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

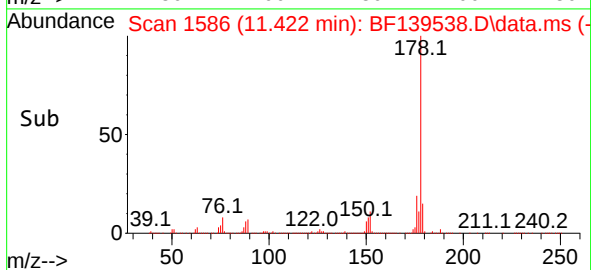
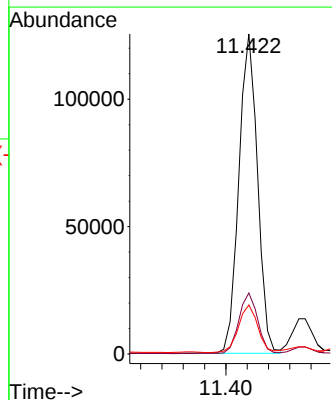
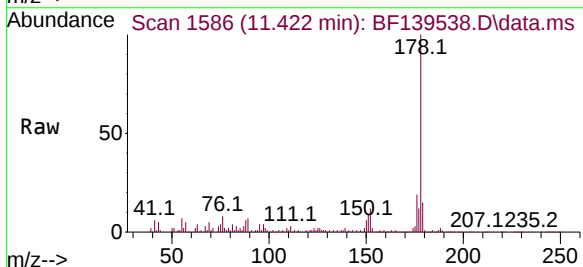
Instrument :
BNA_F
ClientSampleId :
CHRT-20425

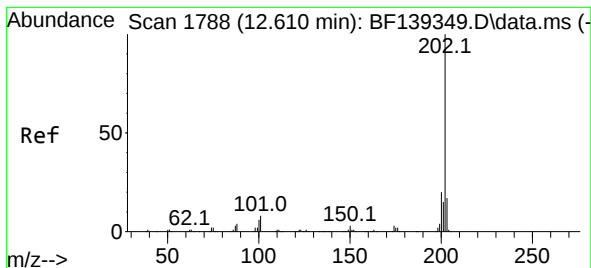
Tgt Ion:178 Resp: 152713
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 12.2 18.4



#72
Anthracene
Concen: 13.566 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.053 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:178 Resp: 152713
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.3 12.0 18.0





#75

Fluoranthene

Concen: 20.855 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

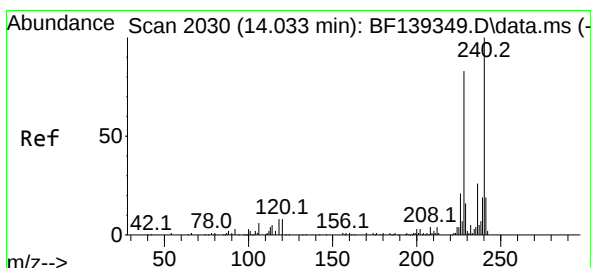
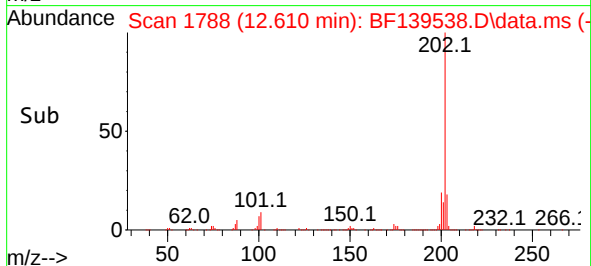
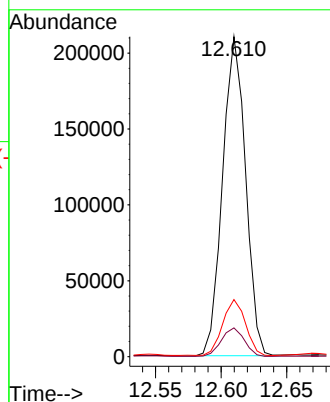
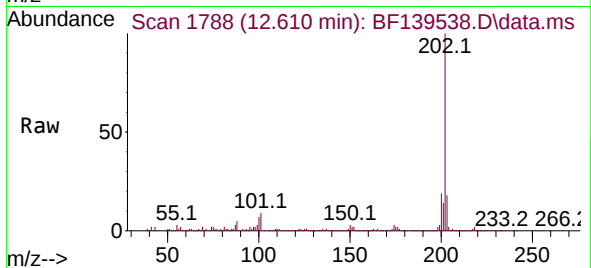
Tgt Ion:202 Resp: 256415

Ion Ratio Lower Upper

202 100

101 9.0 0.0 27.7

203 17.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

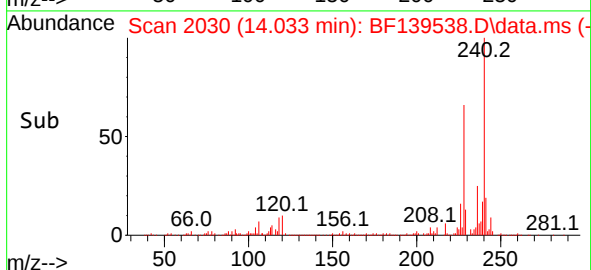
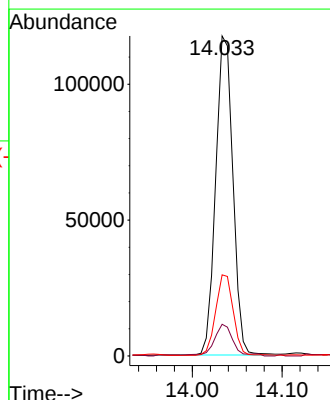
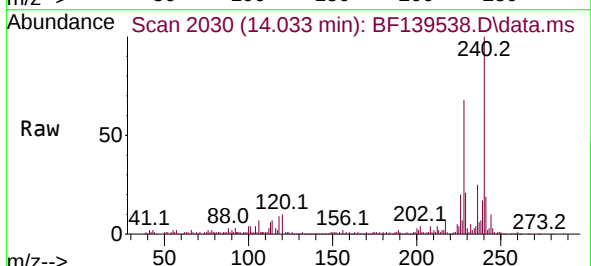
Tgt Ion:240 Resp: 156653

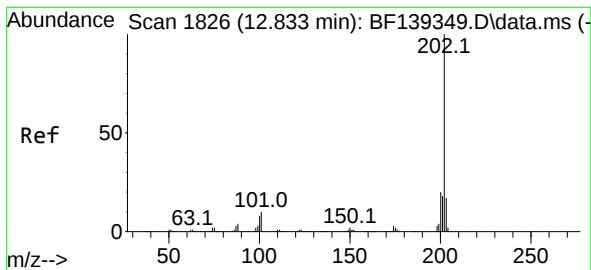
Ion Ratio Lower Upper

240 100

120 9.9 6.2 9.2#

236 25.4 20.9 31.3





#78

Pyrene

Concen: 19.518 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

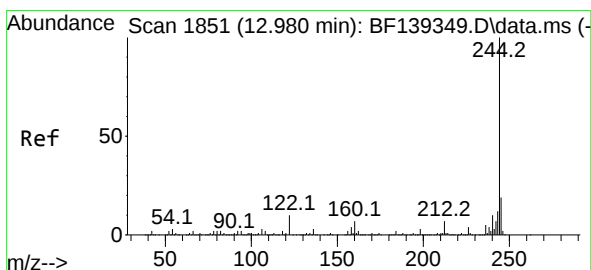
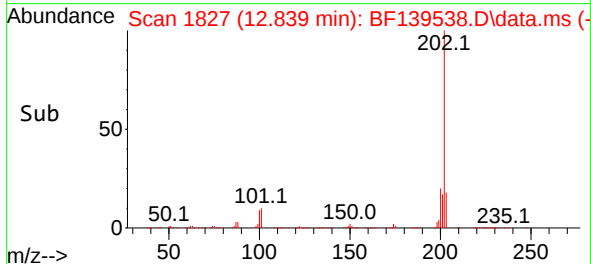
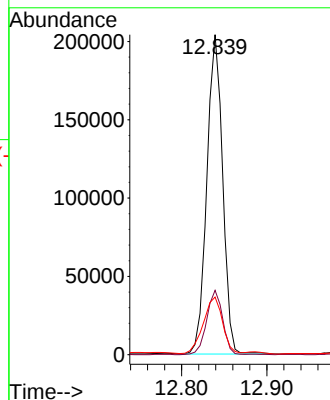
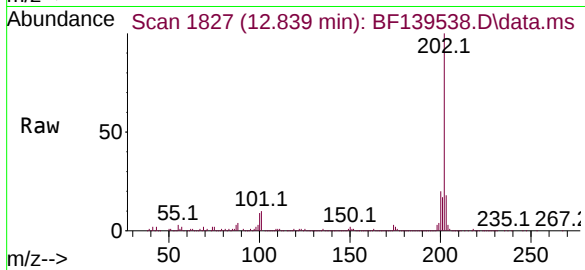
Tgt Ion:202 Resp: 262536

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 31.466 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

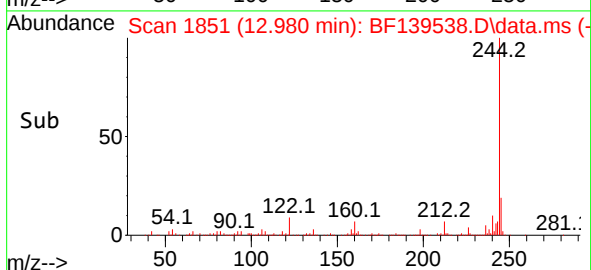
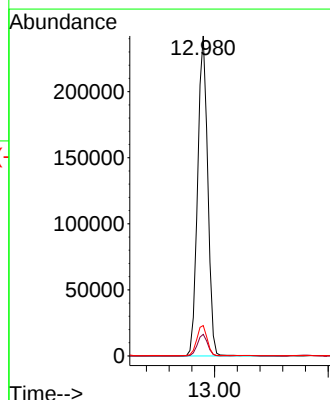
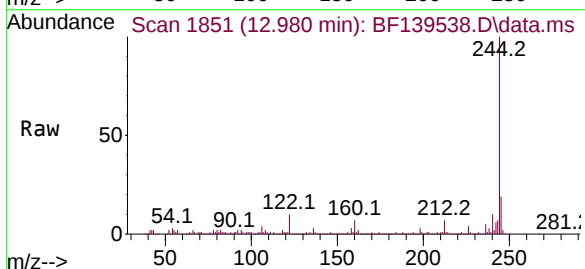
Tgt Ion:244 Resp: 300310

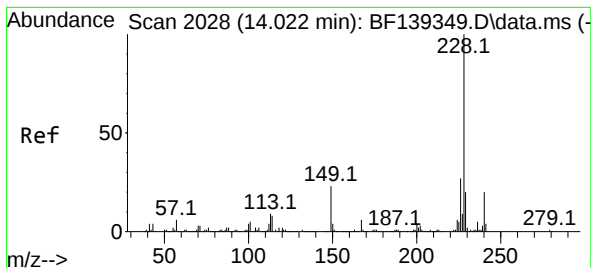
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 9.5 7.6 11.4





#81

Benzo(a)anthracene

Concen: 14.751 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

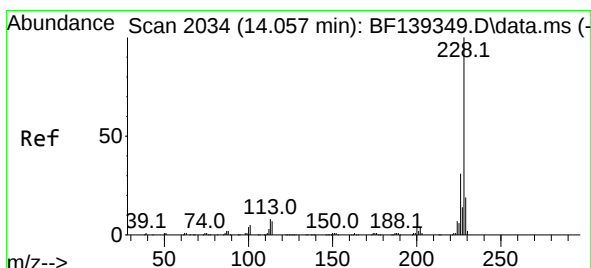
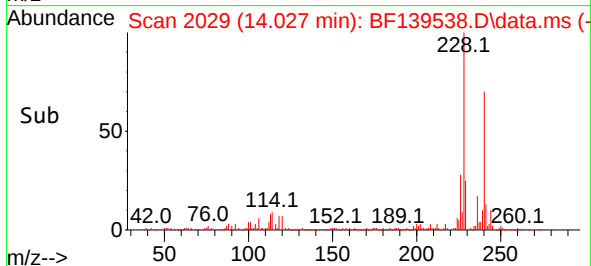
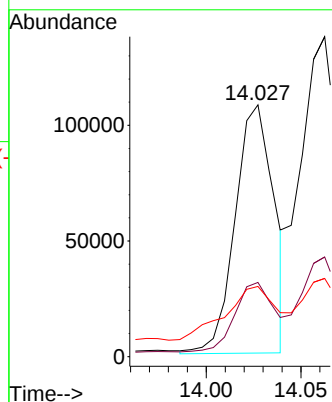
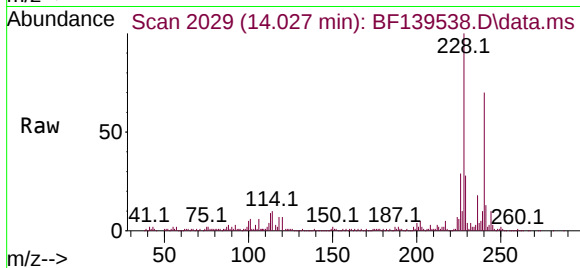
Tgt Ion:228 Resp: 153070

Ion Ratio Lower Upper

228 100

226 29.5 21.6 32.4

229 27.9 15.7 23.5#



#83

Chrysene

Concen: 20.680 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

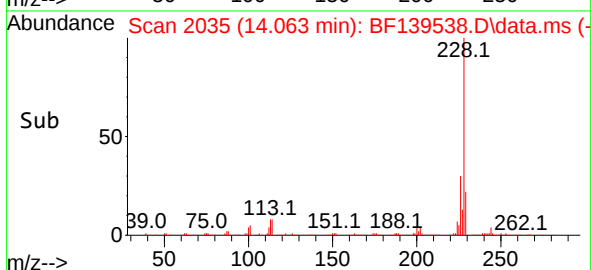
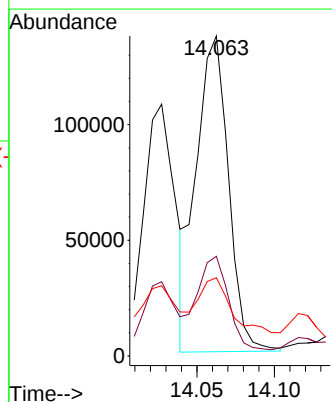
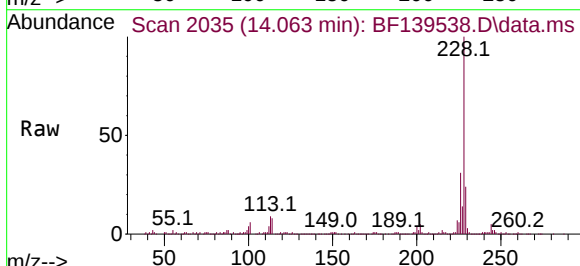
Tgt Ion:228 Resp: 197427

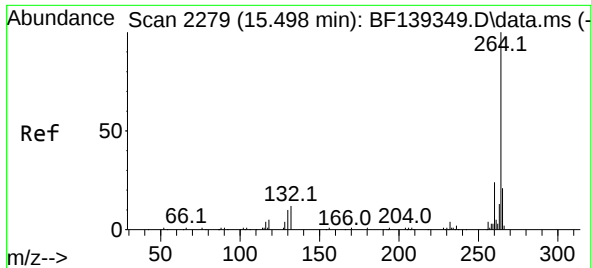
Ion Ratio Lower Upper

228 100

226 31.2 24.1 36.1

229 24.5 15.4 23.0#



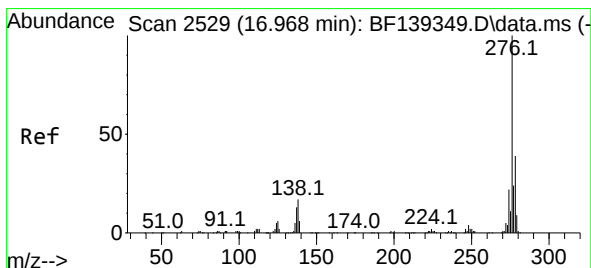
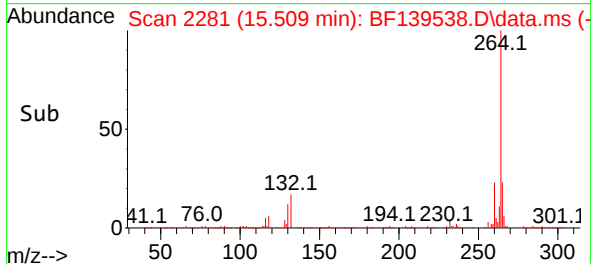
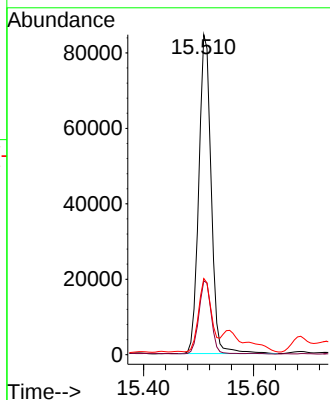
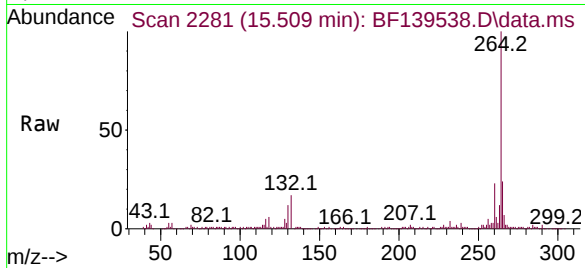


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :
BNA_F
ClientSampleId :
CHRT-20425

Tgt Ion:264 Resp: 132212

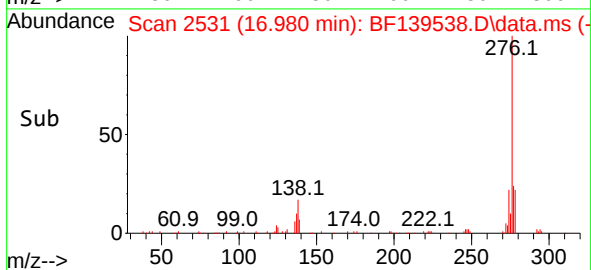
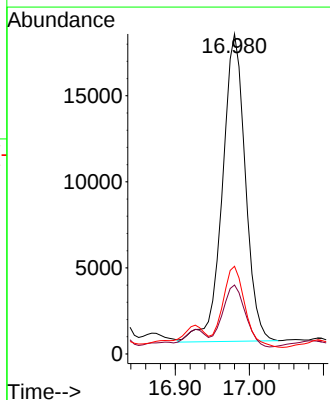
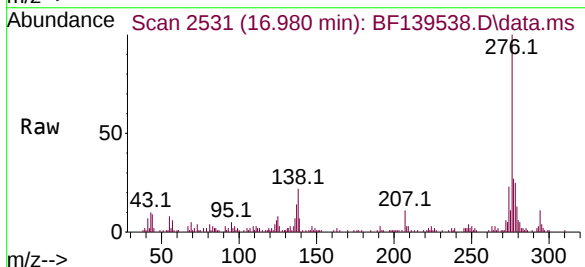
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	23.8	16.6	25.0

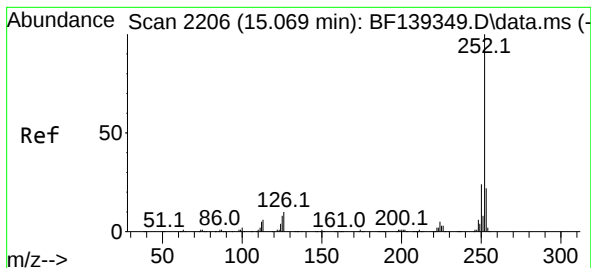


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.896 ng
RT: 16.980 min Scan# 2531
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:276 Resp: 38489

Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.4	23.2
277	25.5	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 23.981 ng

RT: 15.080 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

Instrument :

BNA_F

ClientSampleId :

CHRT-20425

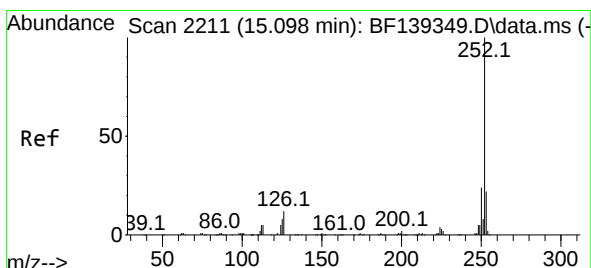
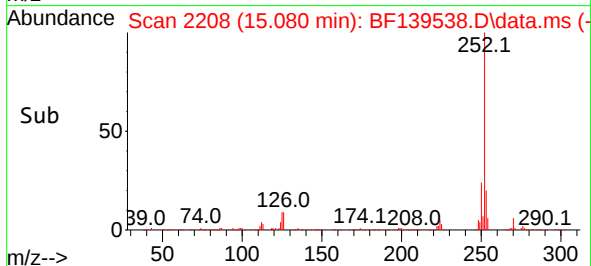
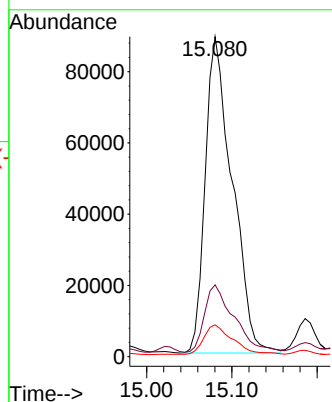
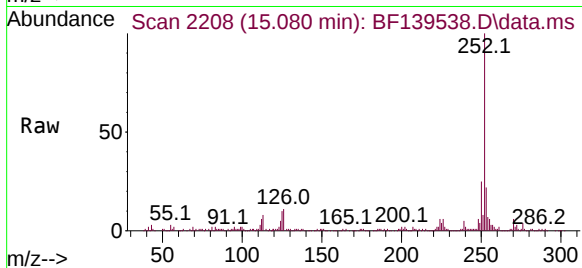
Tgt Ion:252 Resp: 195541

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 10.0 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 26.009 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF139538.D

Acq: 25 Sep 2024 19:47

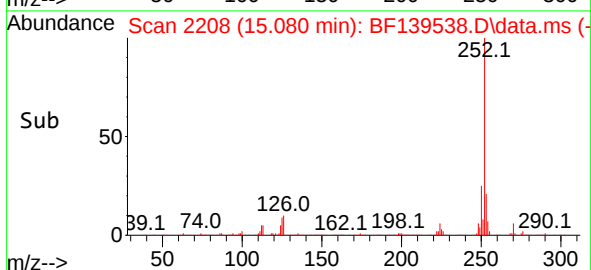
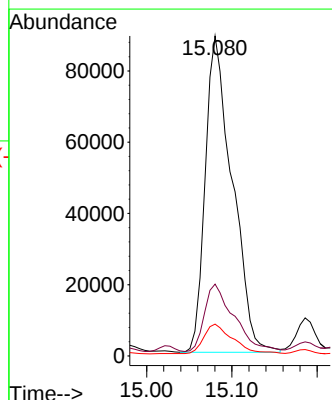
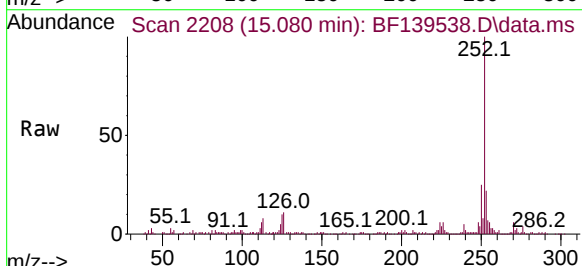
Tgt Ion:252 Resp: 195541

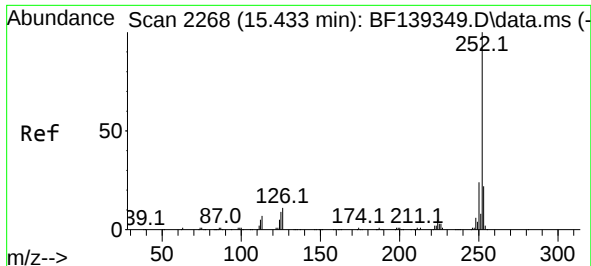
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 10.0 5.9 8.9#

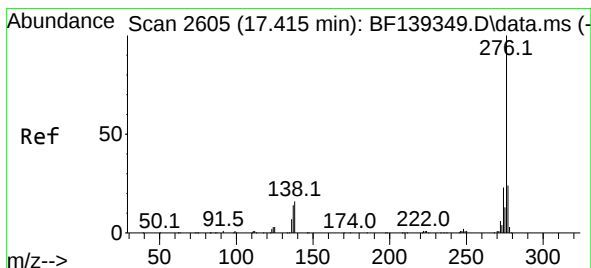
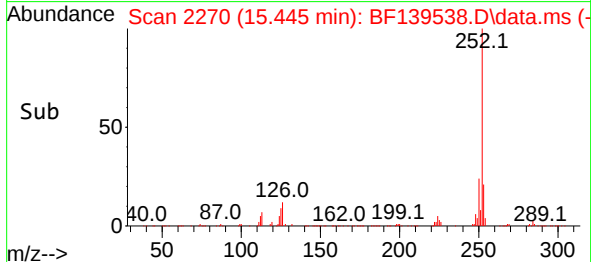
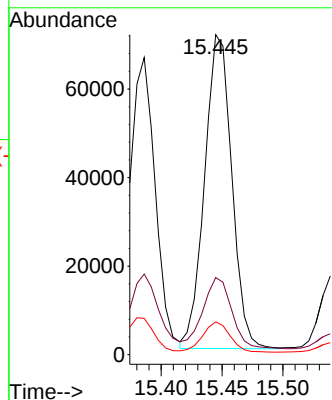
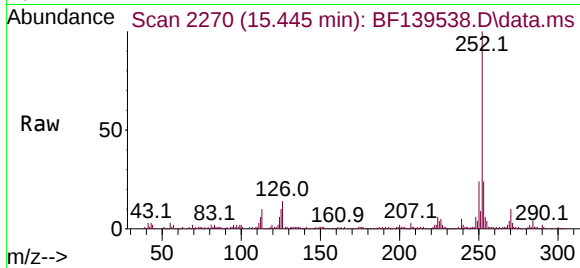




#90
Benzo(a)pyrene
Concen: 16.352 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Instrument :
BNA_F
ClientSampleId :
CHRT-20425

Tgt Ion:252 Resp: 110582
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 10.3 6.8 10.2#



#92
Benzo(g,h,i)perylene
Concen: 7.412 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139538.D
Acq: 25 Sep 2024 19:47

Tgt Ion:276 Resp: 47677
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 22.2 13.0 19.6#

