

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
 Data File : BF122749.D
 Acq On : 16 Dec 2020 14:40
 Operator : JU/CG
 Sample : L5091-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20426

Quant Time: Dec 17 01:11:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

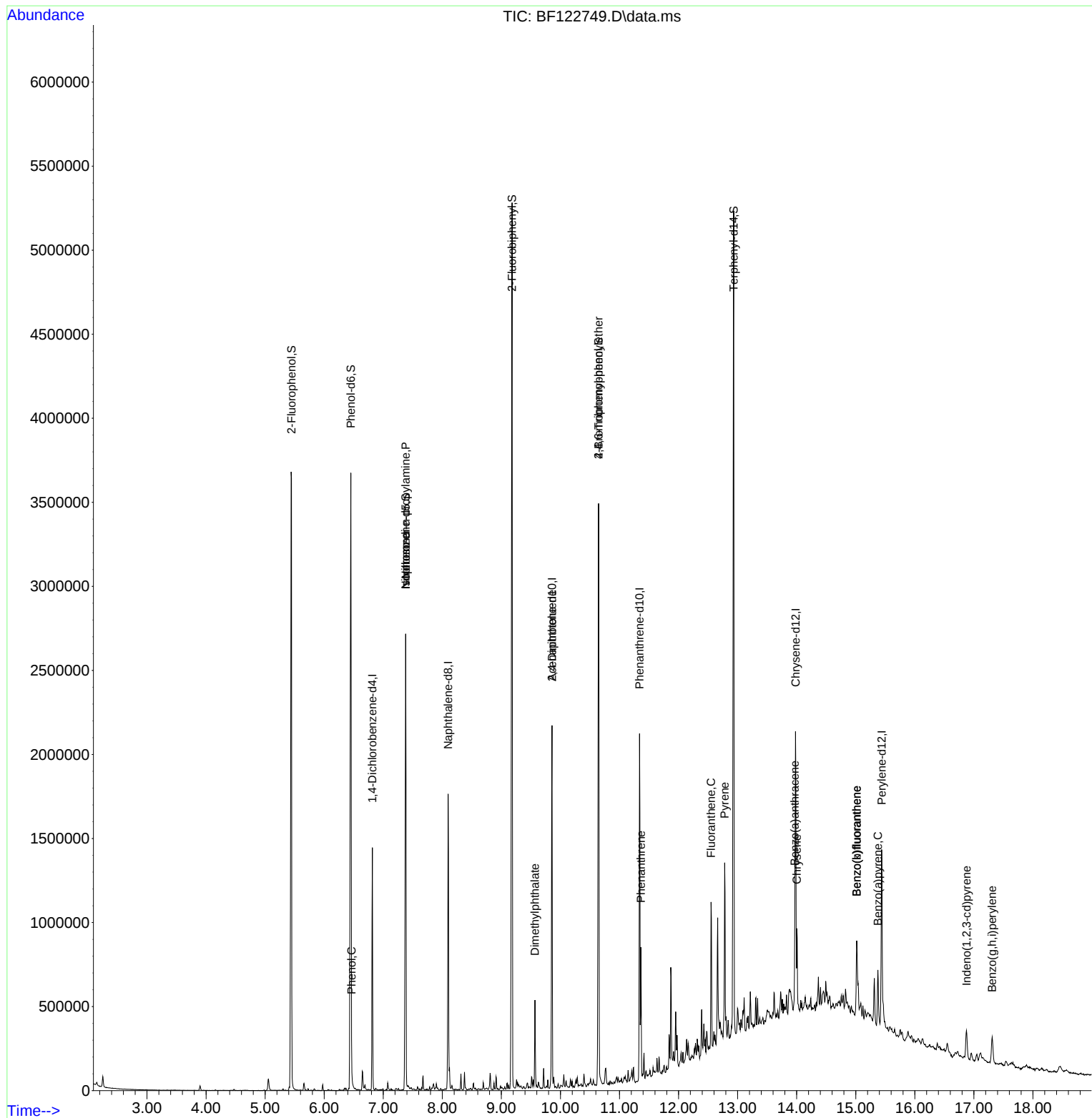
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	204604	20.00	ng	0.00
21) Naphthalene-d8	8.098	136	820696	20.00	ng	-0.01
39) Acenaphthene-d10	9.857	164	434611	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	757030	20.00	ng	0.00
76) Chrysene-d12	13.980	240	525468	20.00	ng	0.00
86) Perylene-d12	15.439	264	494327	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	1256147	97.20	ng	0.01
7) Phenol-d6	6.451	99	1622372	94.65	ng	0.00
23) Nitrobenzene-d5	7.381	82	1025566	62.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	510812	89.79	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1811584	56.38	ng	0.00
79) Terphenyl-d14	12.933	244	1765171	58.80	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.463	94	39201	2.21	ng	84
19) n-Nitroso-di-n-propyla...	7.381	70	136894	13.94	ng	# 77
25) Isophorone	7.381	82	1025560	36.35	ng	# 65
50) Dimethylphthalate	9.569	163	179652	5.18	ng	100
57) 2,4-Dinitrotoluene	9.857	165	57355	5.87	ng	# 25
67) 4-Bromophenyl-phenylether	10.645	248	31057	3.03	ng	# 1
71) Phenanthrene	11.363	178	261735	5.82	ng	98
75) Fluoranthene	12.551	202	345603	7.33	ng	99
78) Pyrene	12.780	202	435853	10.73	ng	98
81) Benzo(a)anthracene	13.968	228	198358	5.65	ng	98
83) Chrysene	14.004	228	209398	5.99	ng	97
87) Indeno(1,2,3-cd)pyrene	16.874	276	112800	3.48	ng	97
88) Benzo(b)fluoranthene	15.015	252	284534	8.20	ng	97
89) Benzo(k)fluoranthene	15.015	252	284534	8.97	ng	98
90) Benzo(a)pyrene	15.374	252	157816	5.20	ng	97
92) Benzo(g,h,i)perylene	17.309	276	124212	4.83	ng	97

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

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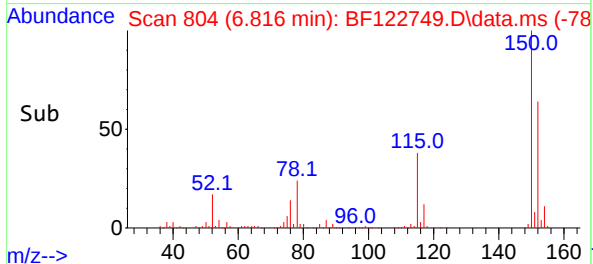
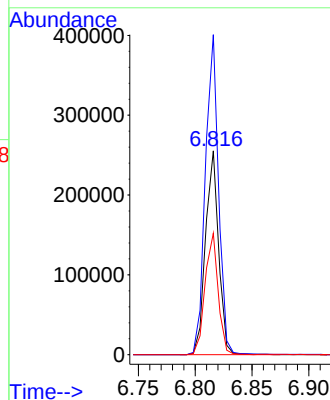
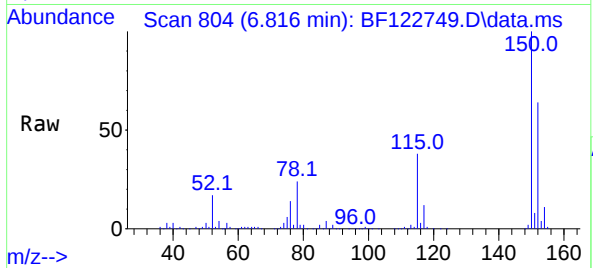




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

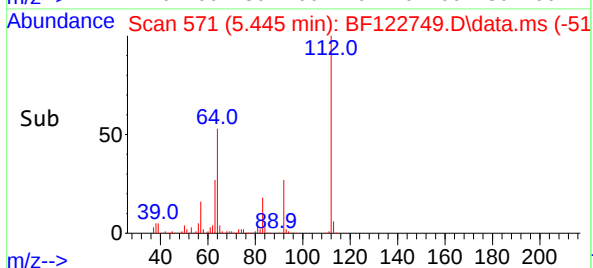
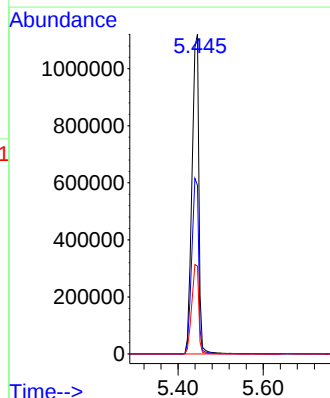
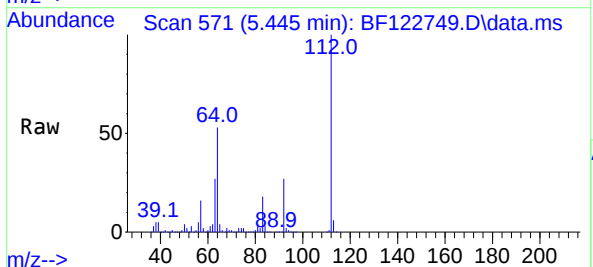
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

Tgt Ion:152 Resp: 204604
Ion Ratio Lower Upper
152 100
150 157.0 125.8 188.6
115 59.6 49.3 73.9



#5
2-Fluorophenol
Concen: 97.20 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:112 Resp: 1256147
Ion Ratio Lower Upper
112 100
64 52.7 46.9 70.3
63 27.5 24.5 36.7



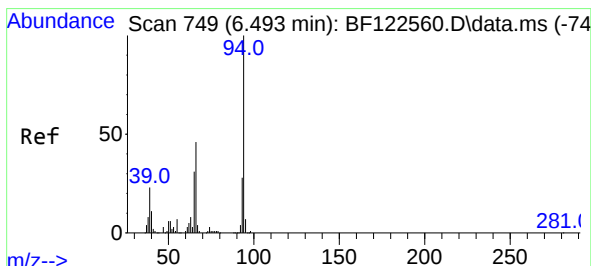
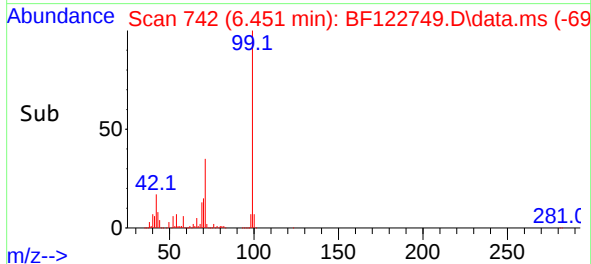
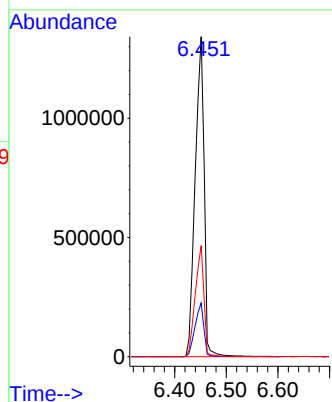
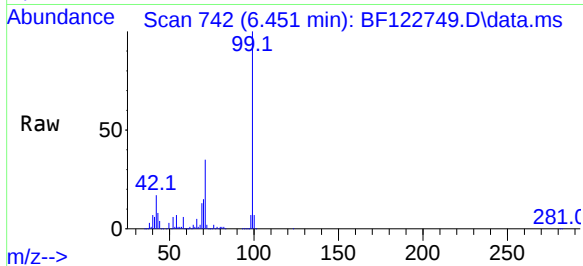


#7
Phenol-d6
Concen: 94.65 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Instrument :
BNA_F
ClientSampleId :
CHRT-20426

Tgt Ion: 99 Resp: 1622372

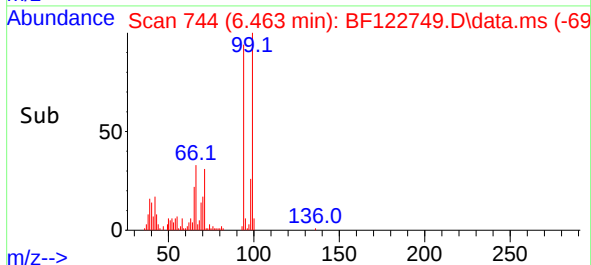
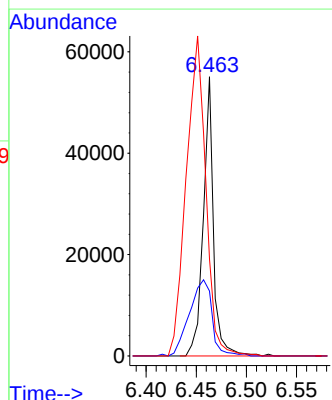
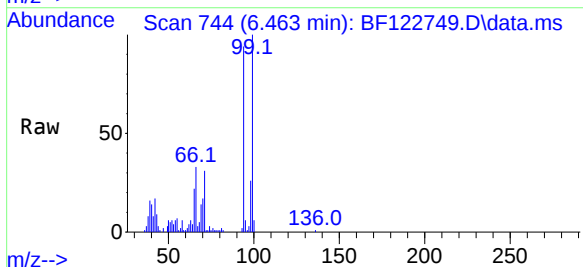
Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.8	20.6
71	34.7	26.9	40.3

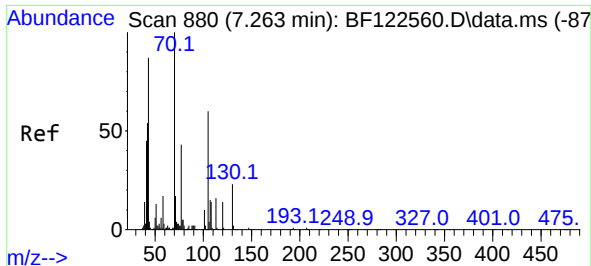


#10
Phenol
Concen: 2.21 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion: 94 Resp: 39201

Ion	Ratio	Lower	Upper
94	100		
65	23.3	11.2	51.2
66	34.8	25.8	65.8

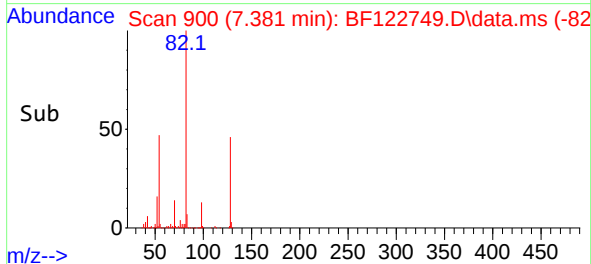
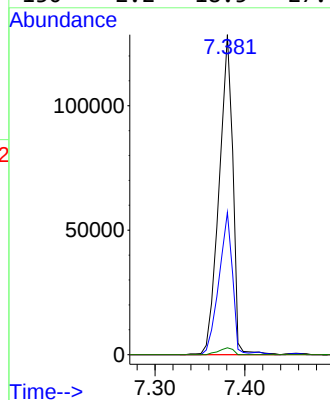
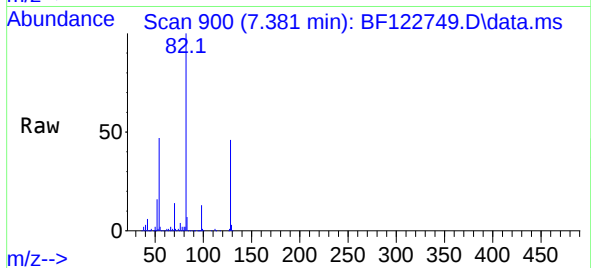




#19
n-Nitroso-di-n-propylamine
Concen: 13.94 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

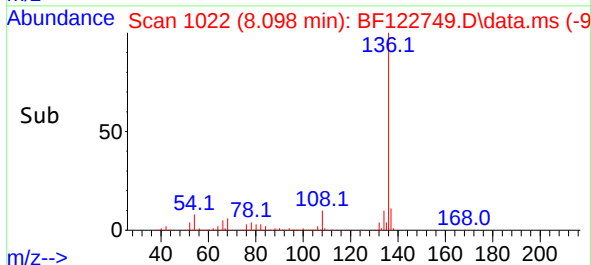
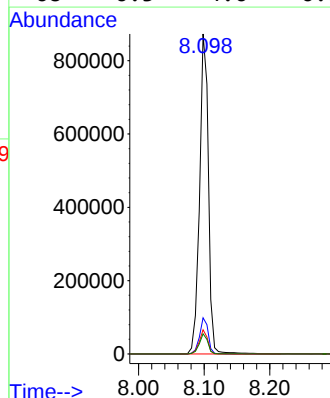
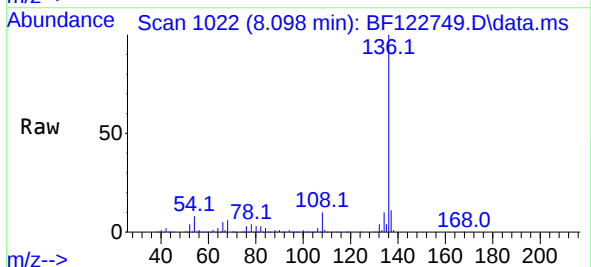
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

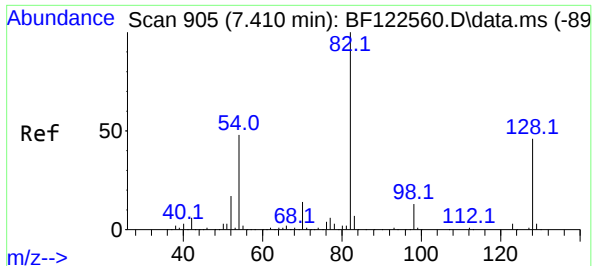
Tgt Ion: 70 Resp: 136894
Ion Ratio Lower Upper
70 100
42 44.4 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion: 136 Resp: 820696
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.6 5.5 8.3
68 6.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 62.61 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF122749.D

Acq: 16 Dec 2020 14:40

Tgt Ion: 82 Resp: 1025566

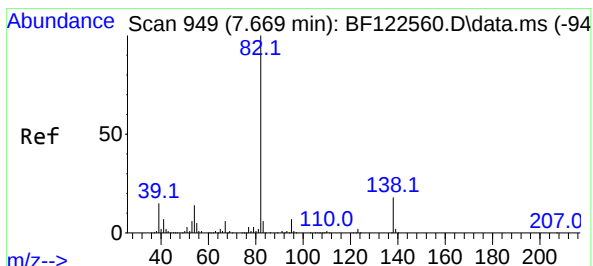
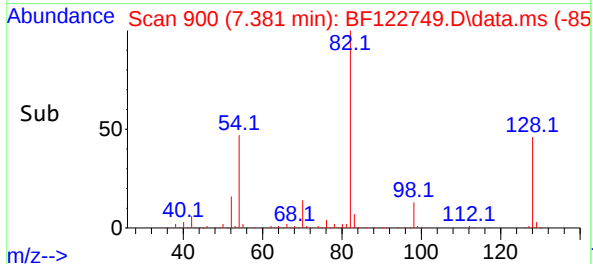
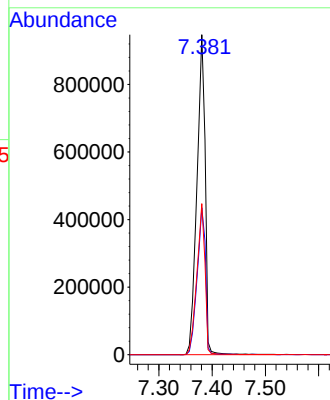
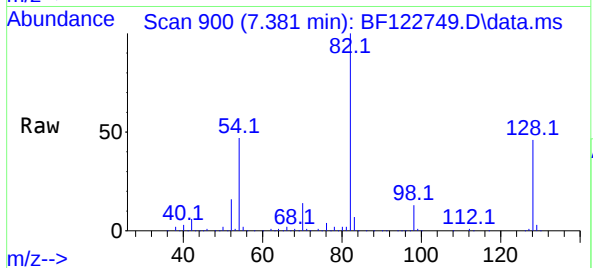
Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.0	55.4
54	47.2	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

CHRT-20426



#25

Isophorone

Concen: 36.35 ng

RT: 7.381 min Scan# 900

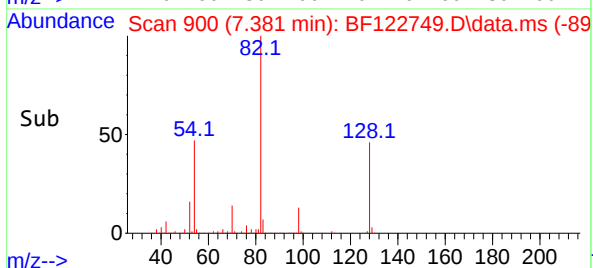
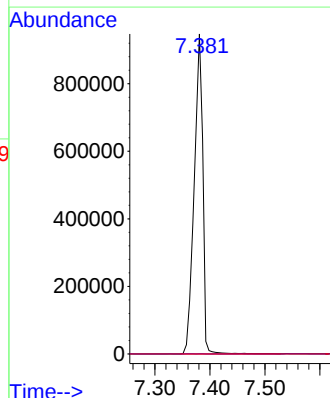
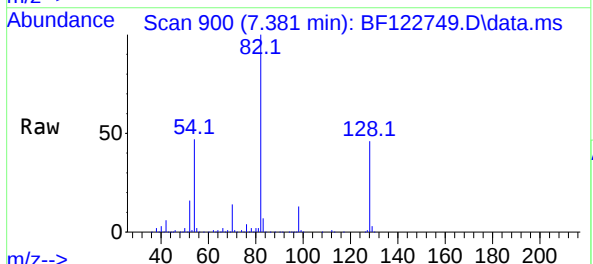
Delta R.T. -0.265 min

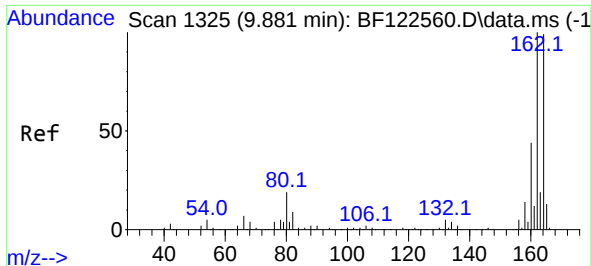
Lab File: BF122749.D

Acq: 16 Dec 2020 14:40

Tgt Ion: 82 Resp: 1025560

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF122749.D

Acq: 16 Dec 2020 14:40

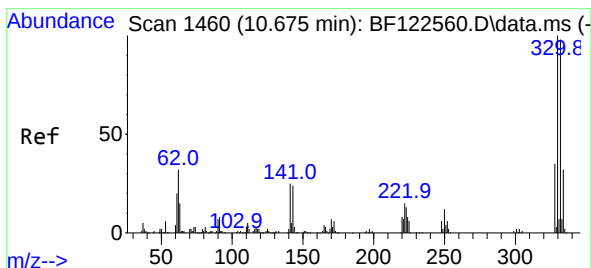
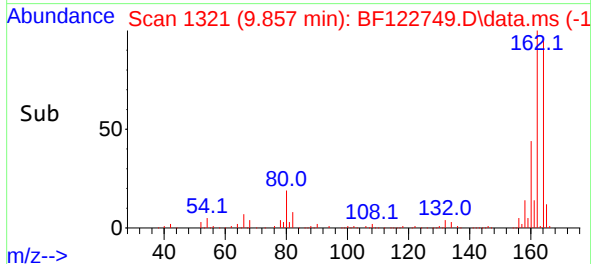
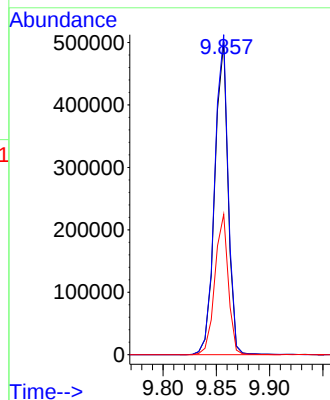
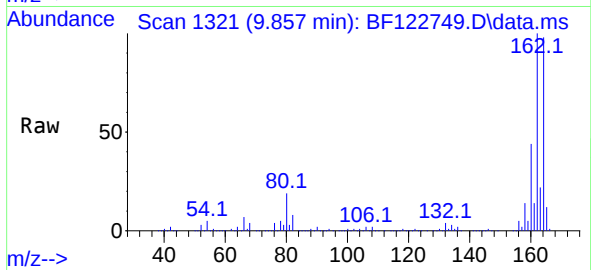
Tgt Ion:164 Resp: 434611

Ion Ratio Lower Upper

164 100

162 102.4 80.8 121.2

160 44.9 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 89.79 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF122749.D

Acq: 16 Dec 2020 14:40

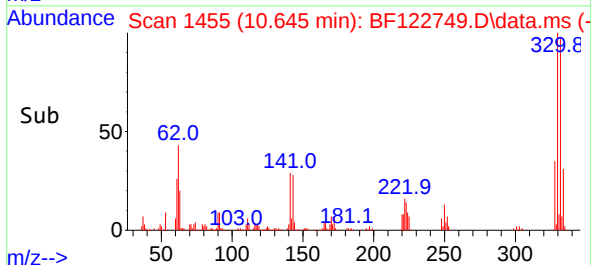
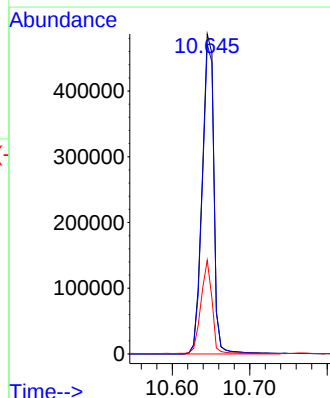
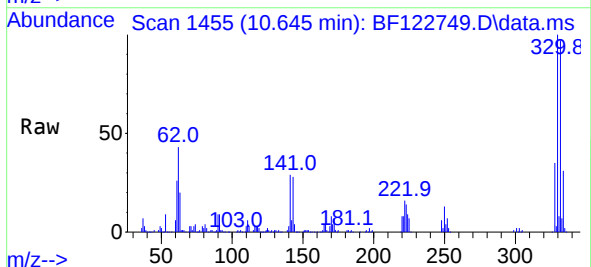
Tgt Ion:330 Resp: 510812

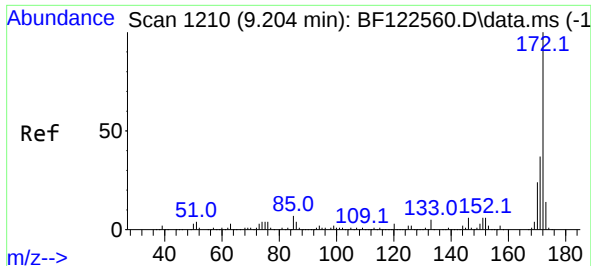
Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

141 27.8 23.8 35.8

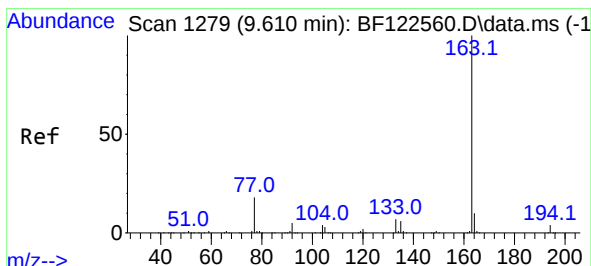
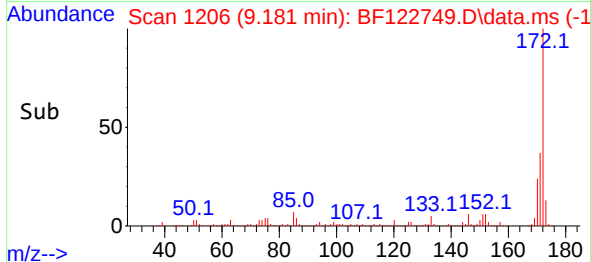
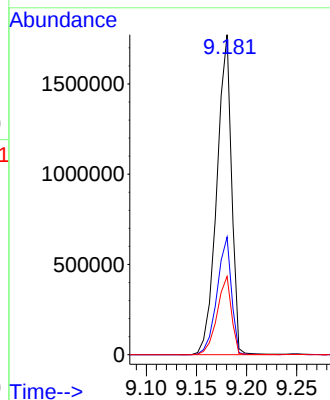
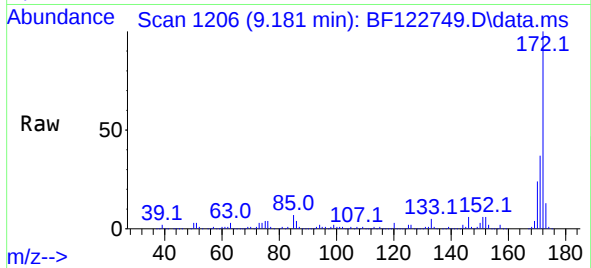




#45
2-Fluorobiphenyl
Concen: 56.38 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

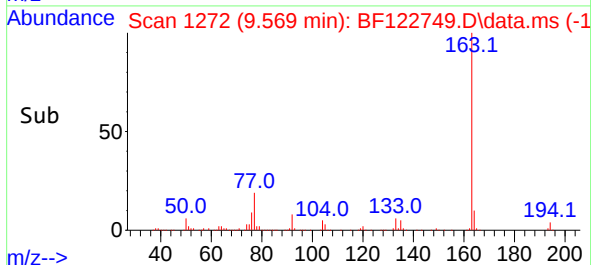
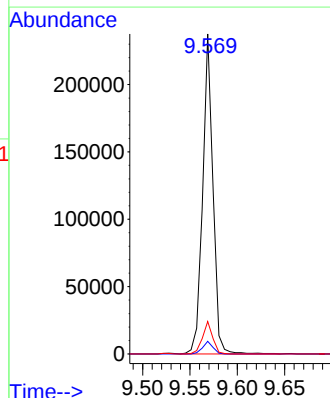
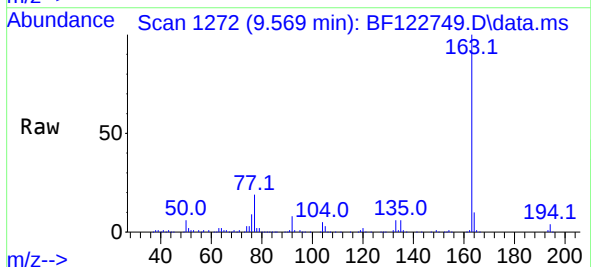
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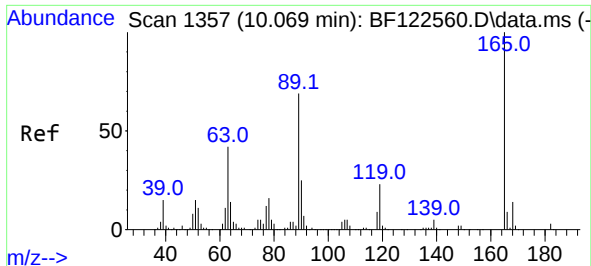
Tgt Ion:172 Resp: 1811584
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.5 19.5 29.3



#50
Dimethylphthalate
Concen: 5.18 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:163 Resp: 179652
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.2 8.1 12.1

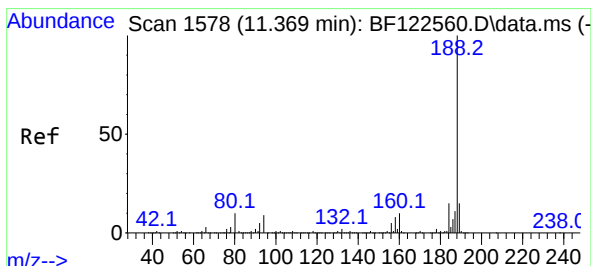
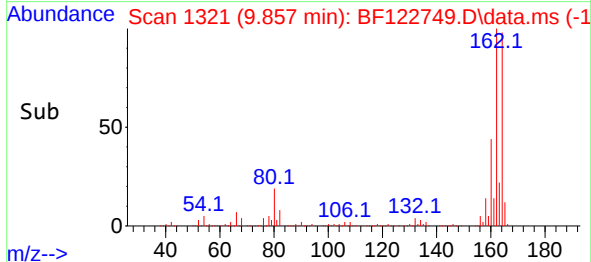
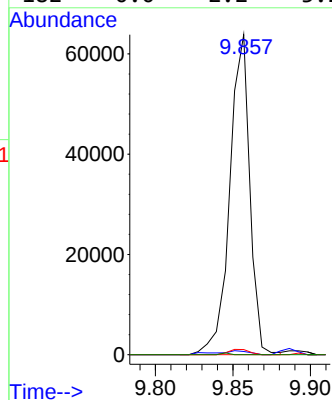
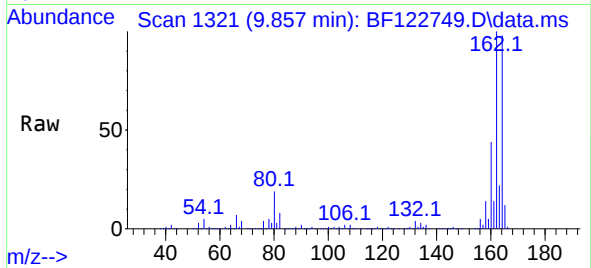




#57
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

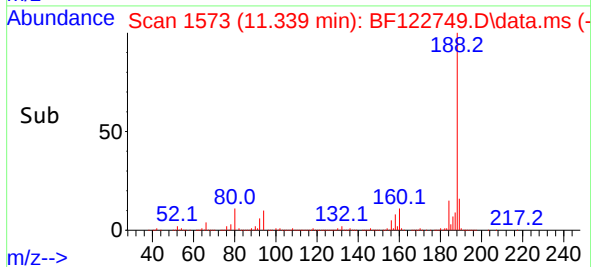
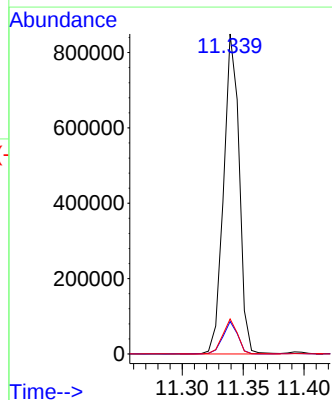
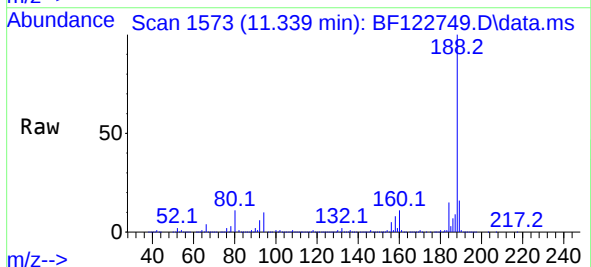
Instrument :
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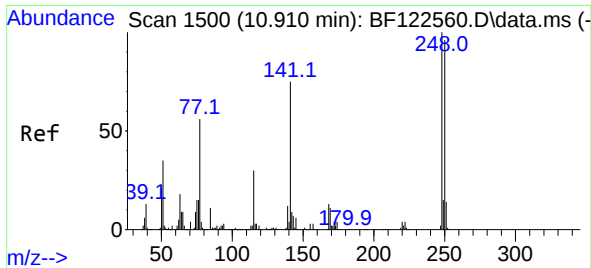
Tgt Ion:165	Resp:	57355
Ion Ratio	Lower	Upper
165	100	
63	1.0	34.3 51.5#
89	1.6	55.2 82.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:188	Resp:	757030
Ion Ratio	Lower	Upper
188	100	
94	10.2	7.4 11.2
80	10.9	8.2 12.4

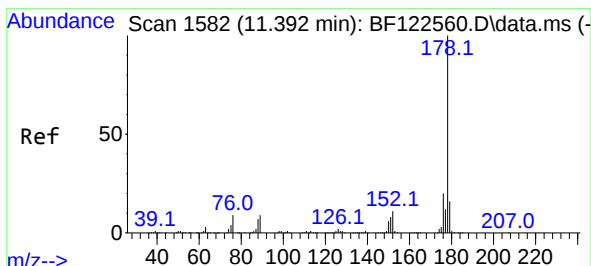
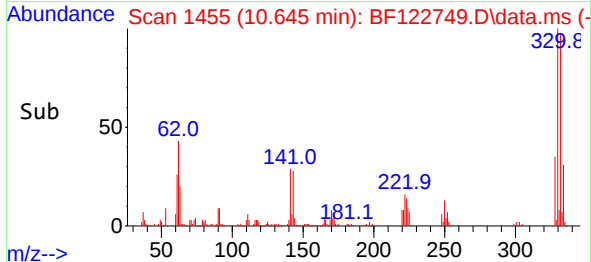
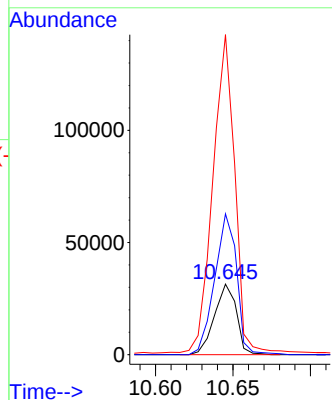
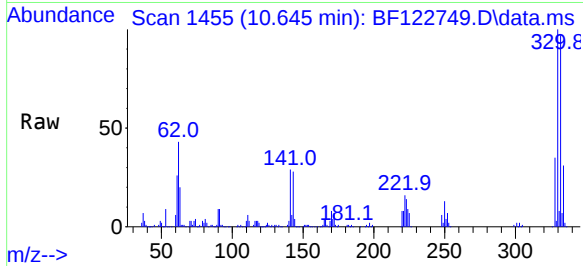




#67
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.247 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

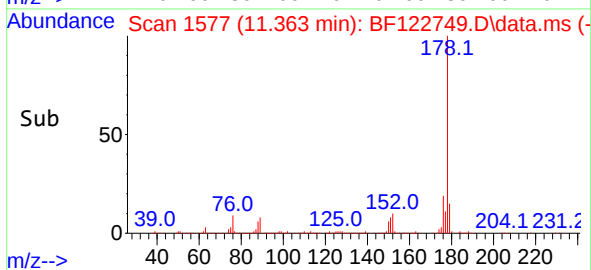
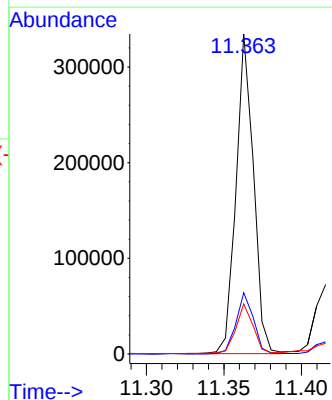
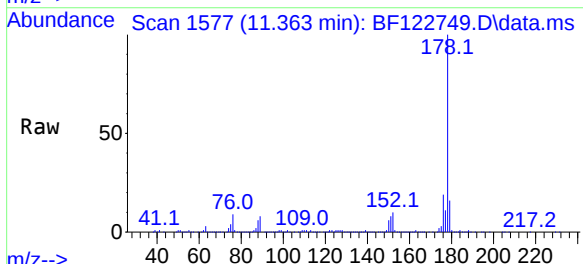
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

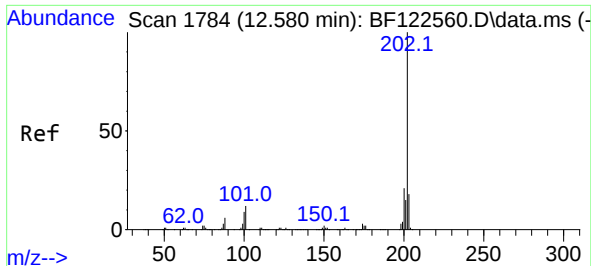
Tgt Ion:248 Resp: 31057
Ion Ratio Lower Upper
248 100
250 199.4 76.8 115.2#
141 453.0 59.8 89.8#



#71
Phenanthrene
Concen: 5.82 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:178 Resp: 261735
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.6 12.7 19.1

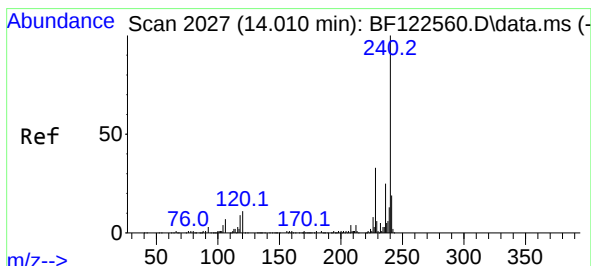
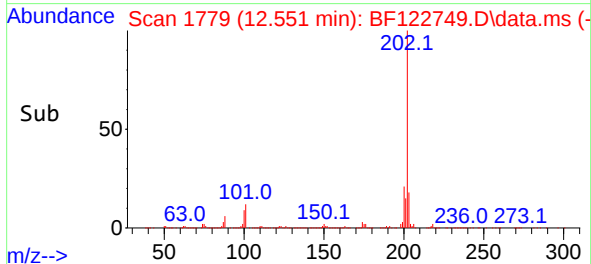
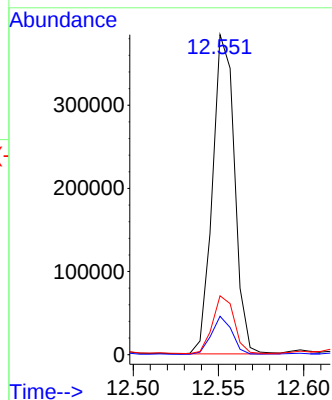
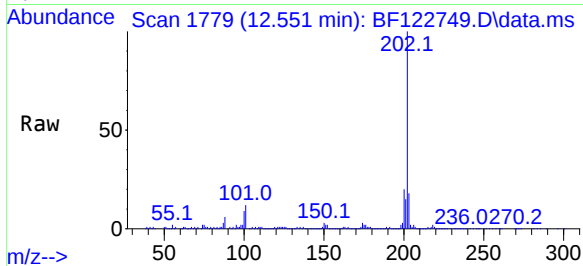




#75
Fluoranthene
Concen: 7.33 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

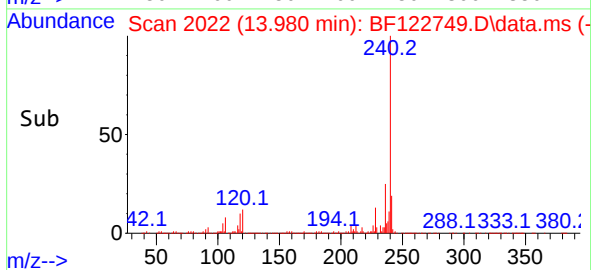
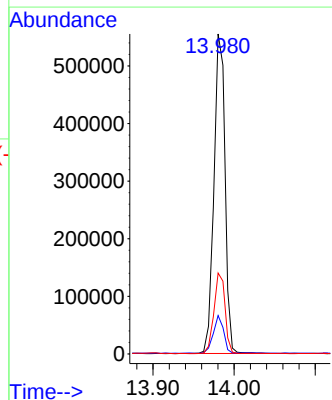
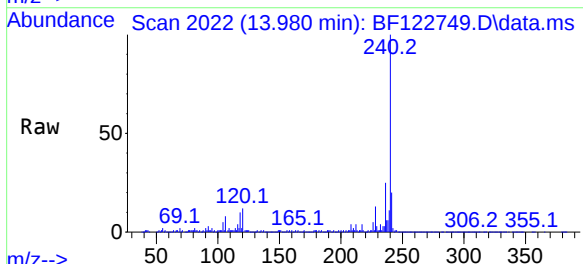
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

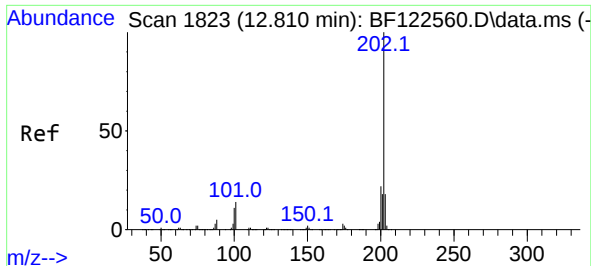
Tgt Ion:202 Resp: 345603
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.2
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:240 Resp: 525468
Ion Ratio Lower Upper
240 100
120 12.0 8.6 12.8
236 25.3 20.3 30.5

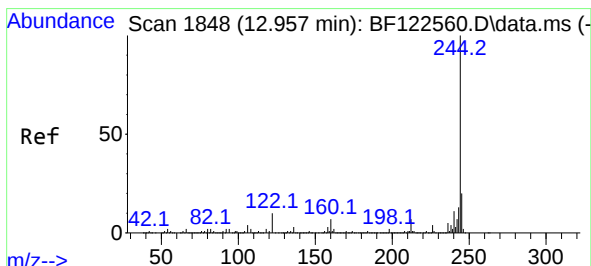
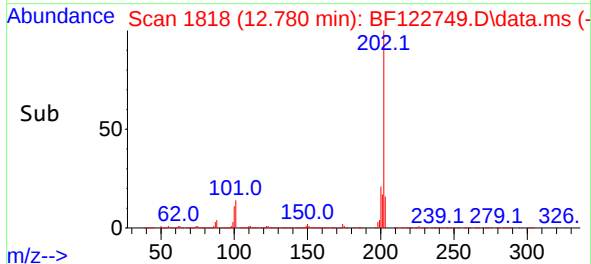
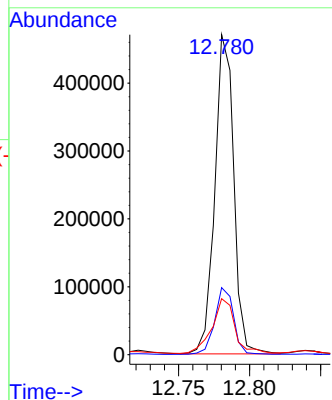
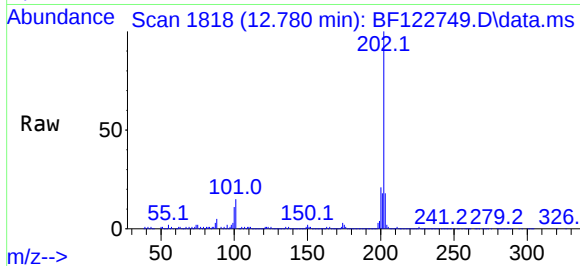




#78
Pyrene
Concen: 10.73 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

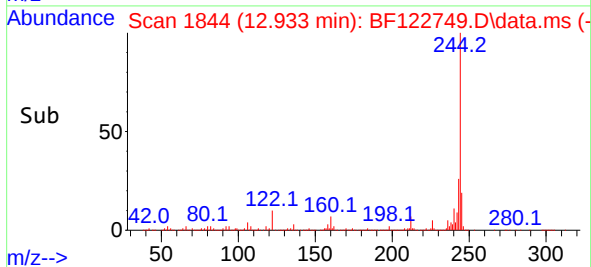
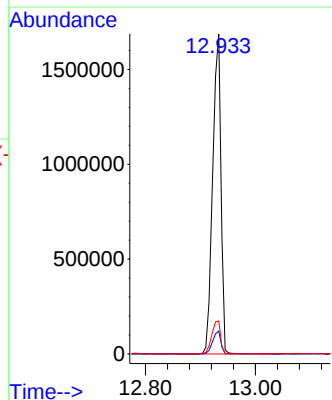
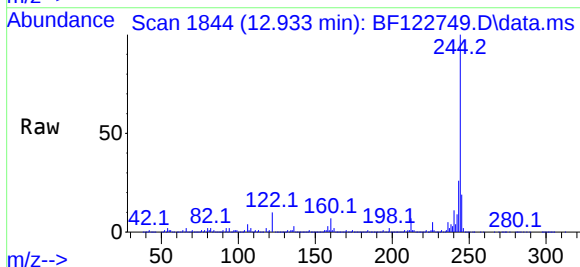
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

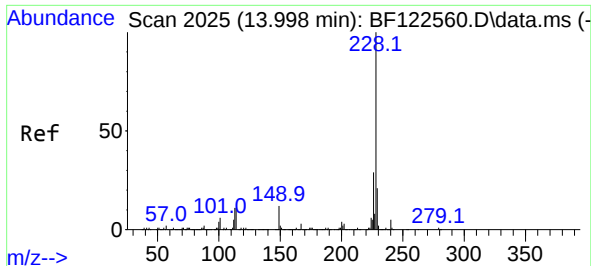
Tgt Ion:	202	Resp:	435853
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.5	14.6	21.8



#79
Terphenyl-d14
Concen: 58.80 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:	244	Resp:	1765171
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.3	8.3	12.5



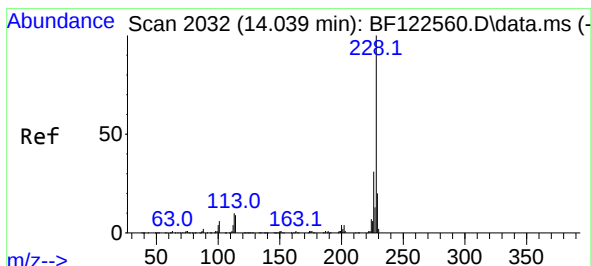
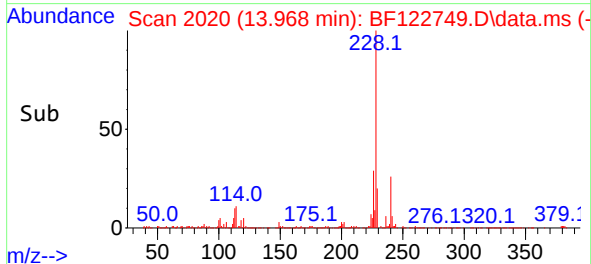
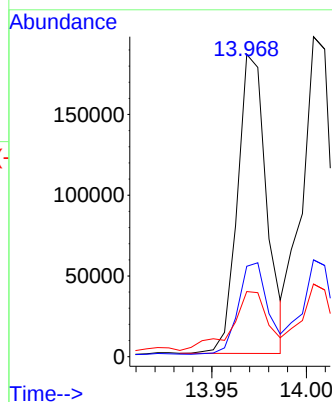
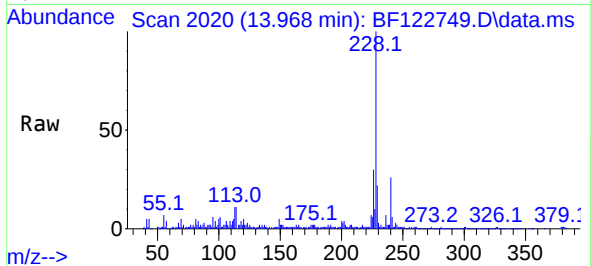


#81
Benzo(a)anthracene
Concen: 5.65 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Instrument :
BNA_F
ClientSampleId :
CHRT-20426

Tgt Ion:228 Resp: 198358

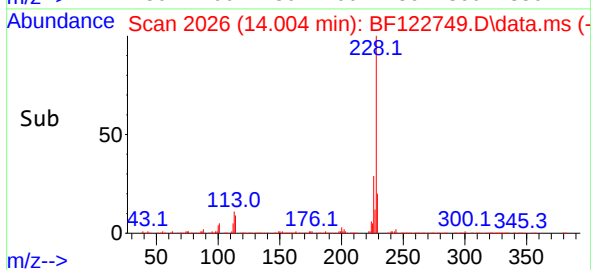
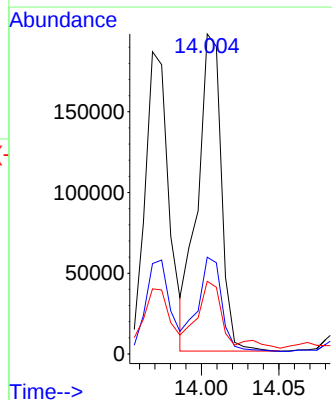
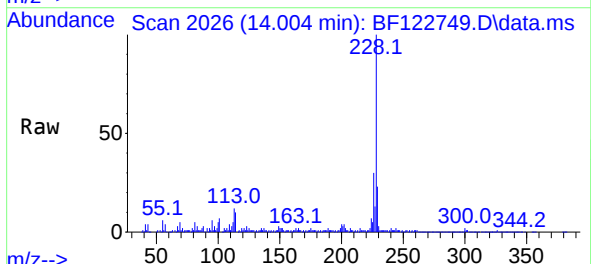
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.4
229	21.5	16.6	24.8

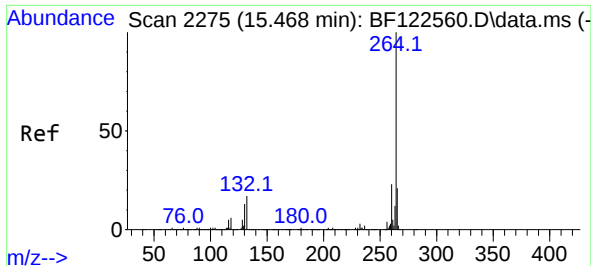


#83
Chrysene
Concen: 5.99 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:228 Resp: 209398

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	36.8
229	22.7	15.8	23.6



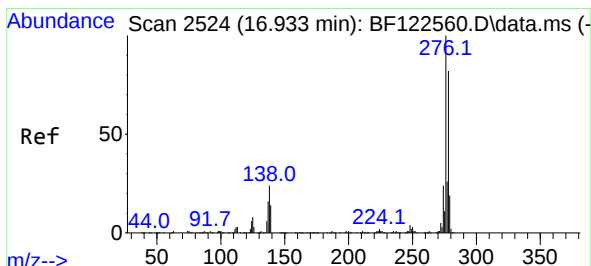
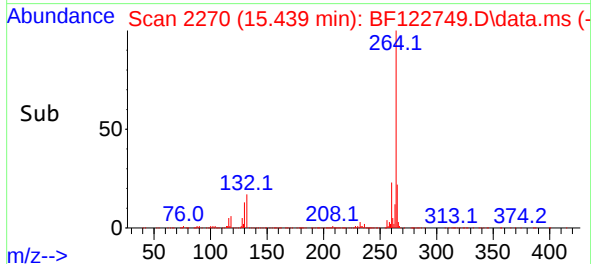
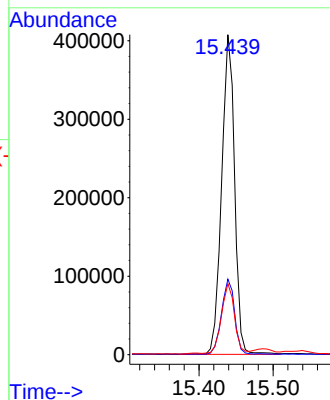
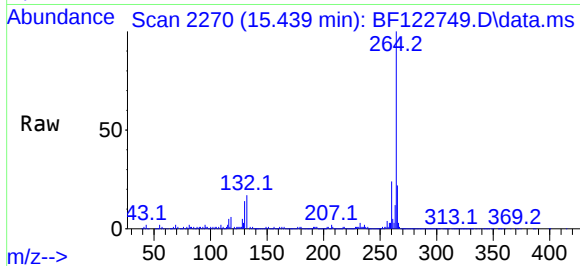


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.000 min
 Lab File: BF122749.D
 Acq: 16 Dec 2020 14:40

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20426

Tgt Ion:264 Resp: 494327

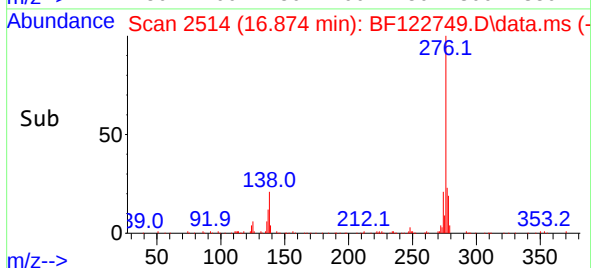
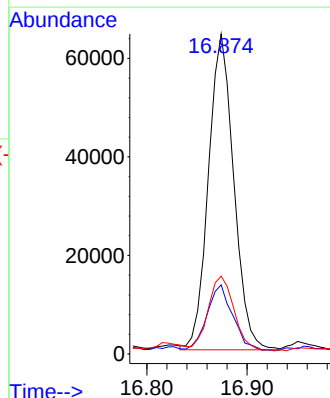
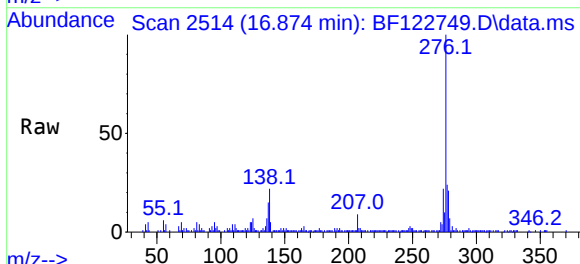
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.2	17.0	25.6

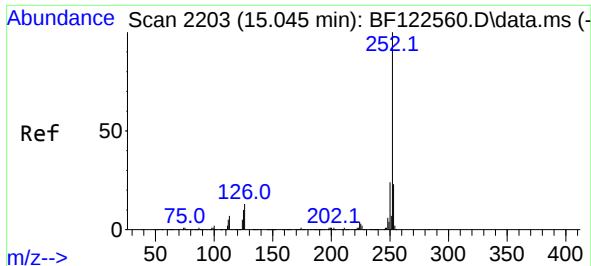


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.48 ng
 RT: 16.874 min Scan# 2514
 Delta R.T. -0.018 min
 Lab File: BF122749.D
 Acq: 16 Dec 2020 14:40

Tgt Ion:276 Resp: 112800

Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.7	28.1
277	24.4	20.2	30.4

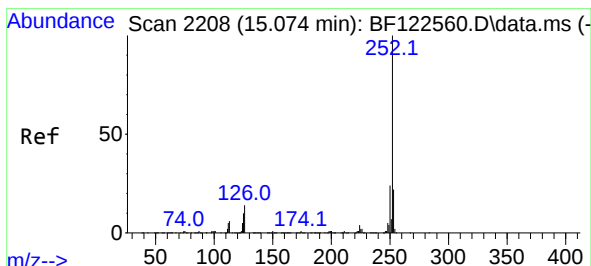
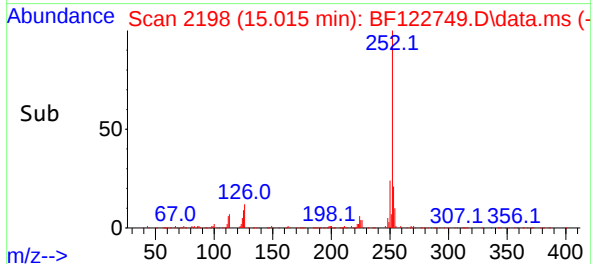
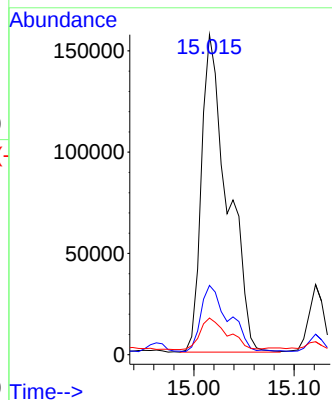
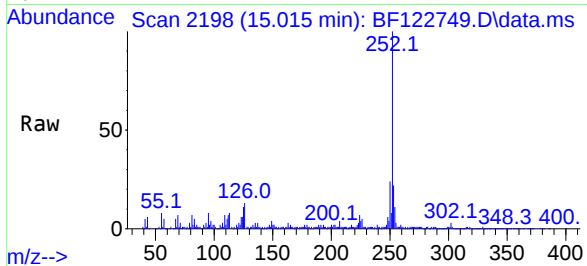




#88
Benzo(b)fluoranthene
Concen: 8.20 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

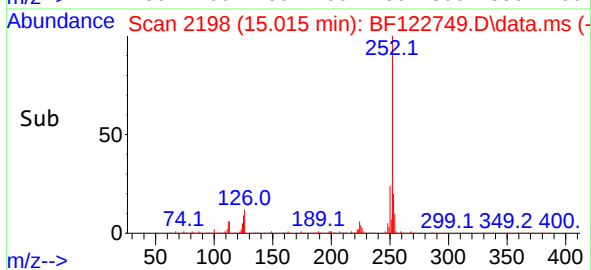
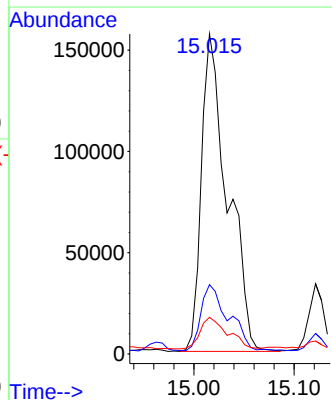
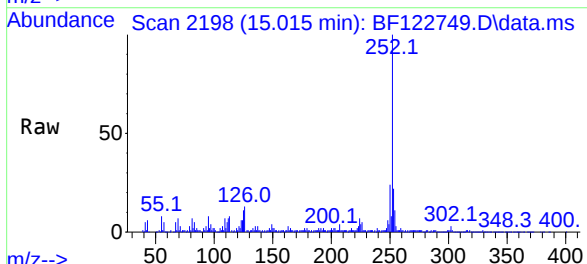
Instrument :
BNA_F
ClientSampleId :
CHRT-20426

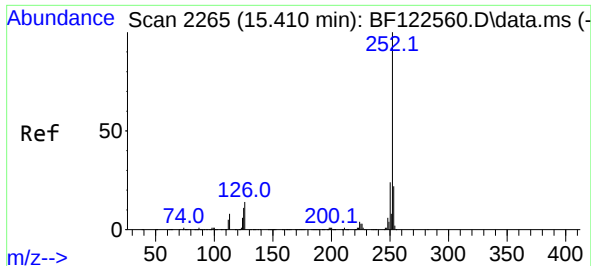
Tgt Ion:252 Resp: 284534
Ion Ratio Lower Upper
252 100
253 21.7 18.3 27.5
125 11.4 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 8.97 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:252 Resp: 284534
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 11.4 8.4 12.6



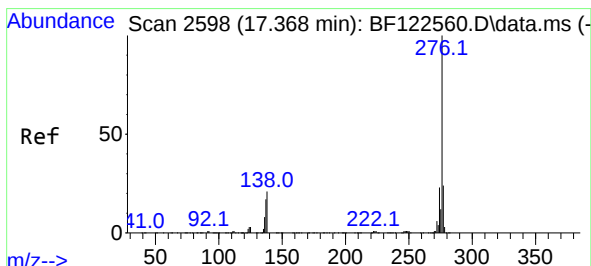
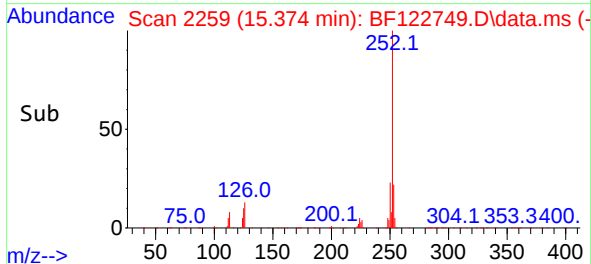
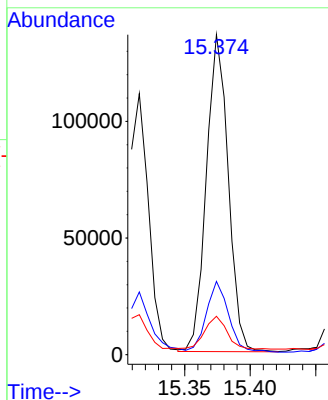
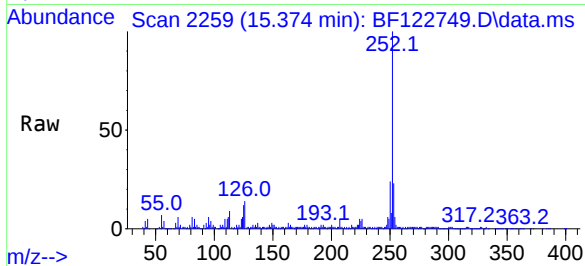


#90
Benzo(a)pyrene
Concen: 5.20 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Instrument :
BNA_F
ClientSampleId :
CHRT-20426

Tgt Ion:252 Resp: 157816

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.0	8.6	12.8



#92
Benzo(g,h,i)perylene
Concen: 4.83 ng
RT: 17.309 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF122749.D
Acq: 16 Dec 2020 14:40

Tgt Ion:276 Resp: 124212

Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.3	28.9
138	21.9	16.6	24.8

