

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
 Data File : BF121284.D
 Acq On : 13 Aug 2020 22:12
 Operator : JU/CG
 Sample : L3504-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120

Manual Integrations
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Quant Time: Aug 14 02:04:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	107352	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	407534	40.00	ng	0.00
39) Acenaphthene-d10	9.75	164	207617	40.00	ng	0.00
64) Phenanthrene-d10	11.24	188	369406	40.00	ng	0.00
76) Chrysene-d12	13.87	240	242870	40.00	ng	0.00
86) Perylene-d12	15.29	264	260611	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	98534	27.83	ng	0.01
7) Phenol-d6	6.35	99	122592	26.87	ng	0.00
23) Nitrobenzene-d5	7.28	82	77235	20.72	ng	0.00
42) 2,4,6-Tribromophenol	10.54	330	29393	23.00	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	164875	21.97	ng	0.00
79) Terphenyl-d14	12.82	244	145786	23.40	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.47	163	25791	3.302	ng	99
52) Acenaphthene	9.79	154	21324	3.284	ng	98
55) Dibenzofuran	9.96	168	25737	2.489	ng	97
58) Fluorene	10.30	166	46208	5.904	ng	99
71) Phenanthrene	11.26	178	620672	58.739	ng	99
72) Anthracene	11.31	178	213776	20.160	ng	100
75) Fluoranthene	12.45	202	1146554	97.446	ng	99
78) Pyrene	12.68	202	1034997	114.453	ng	99
81) Benzo(a)anthracene	13.86	228	550588	66.848	ng	97
83) Chrysene	13.90	228	423150	50.320	ng	97
87) Indeno(1,2,3-cd)pyrene	16.66	276	261630	27.005	ng	96
88) Benzo(b)fluoranthene	14.89	252	565996m	64.826	ng	
89) Benzo(k)fluoranthene	14.91	252	191113m	23.572	ng	
90) Benzo(a)pyrene	15.23	252	435988	55.326	ng	100
91) Dibenzo(a,h)anthracene	16.67	278	63569m	7.658	ng	
92) Benzo(g,h,i)perylene	17.08	276	234523	28.628	ng	99

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

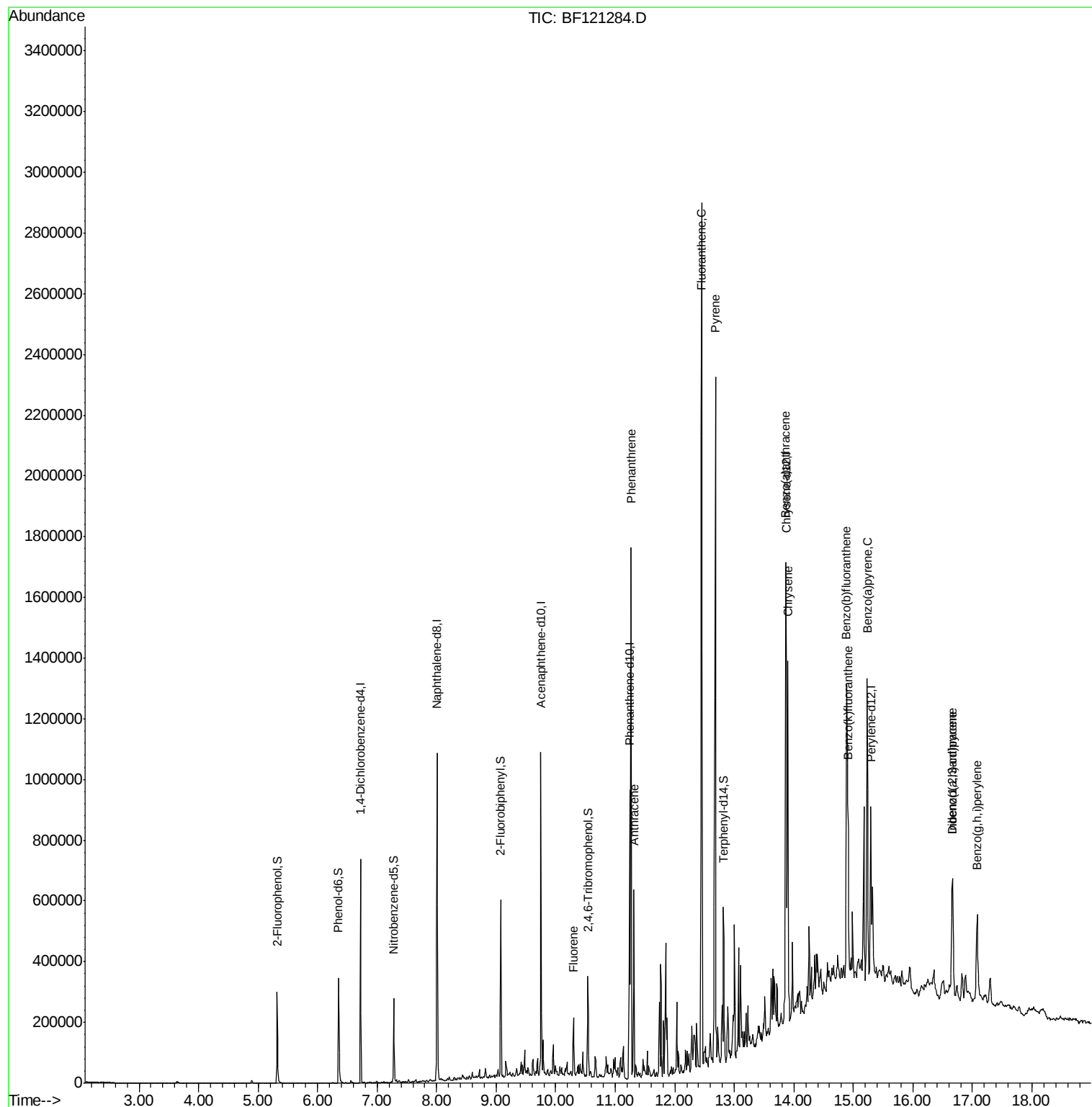
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
Data File : BF121284.D
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ALS Vial : 21 Sample Multiplier: 2

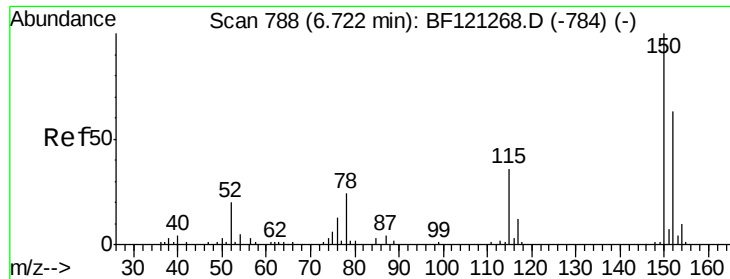
Instrument :
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ClientSampleId :
EO-02-081120

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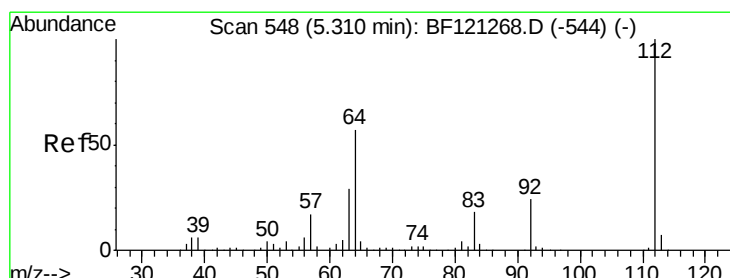
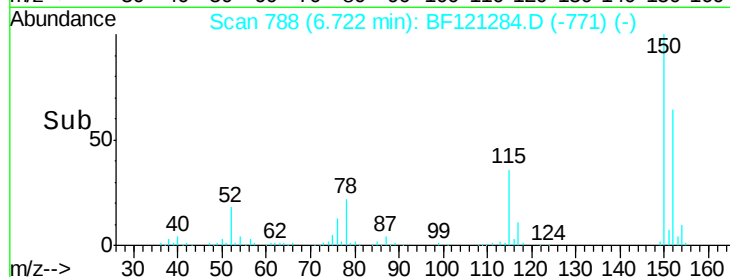
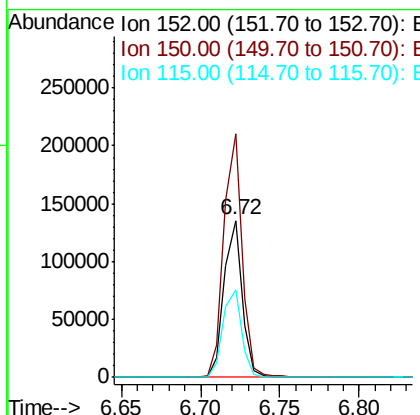
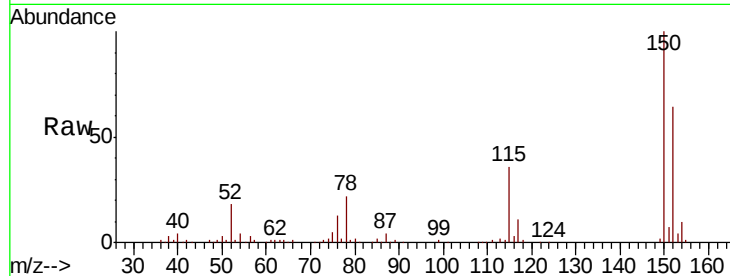
#1
 1,4-Dichlorobenzene-d4
 Concen: 40.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF121284.D
 Acq: 13 Aug 2020 22:12

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	129.0	193.6
115	55.7	49.0	73.4

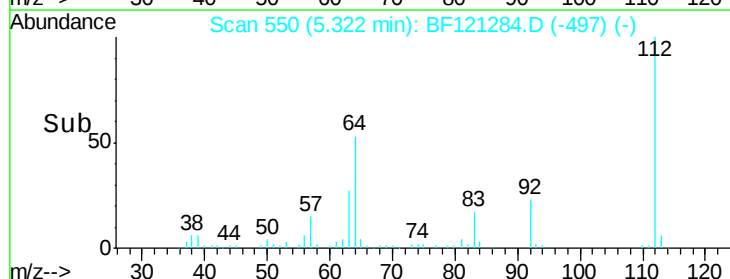
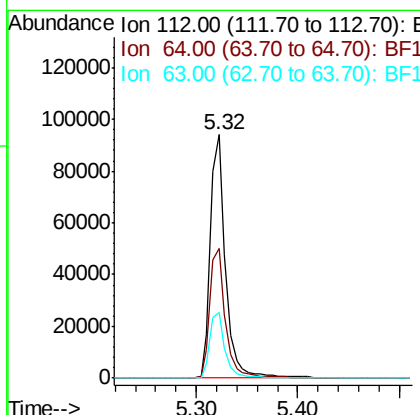
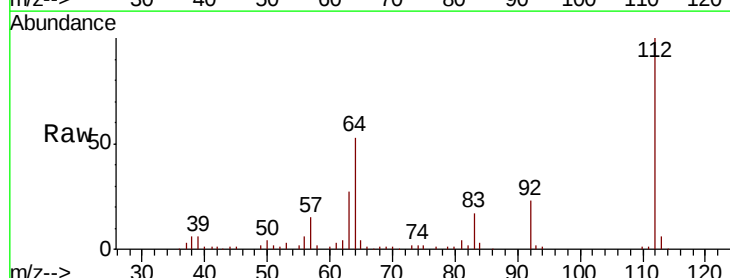
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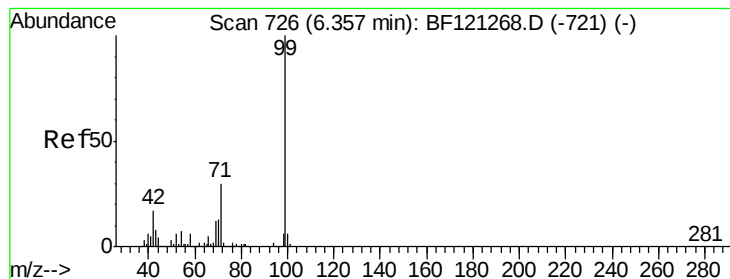
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#5
 2-Fluorophenol
 Concen: 27.831 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF121284.D
 Acq: 13 Aug 2020 22:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.4	68.2
63	26.8	23.0	34.6





#7

Phenol-d6

Concen: 26.870 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Instrument :

BNA_F

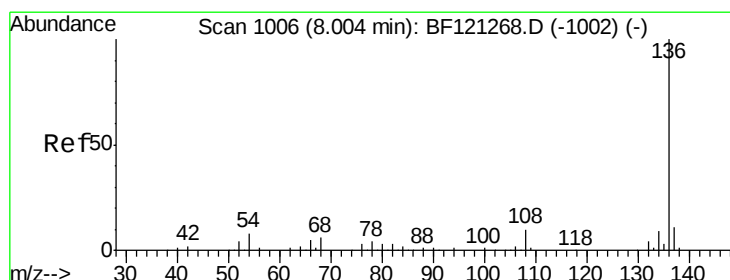
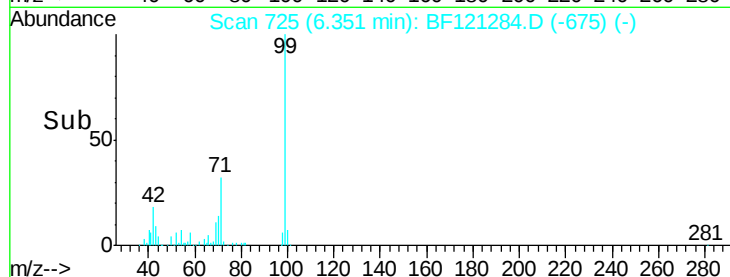
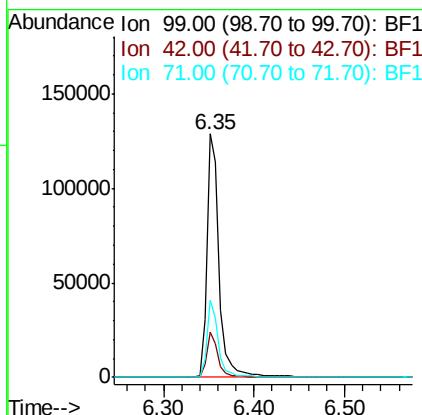
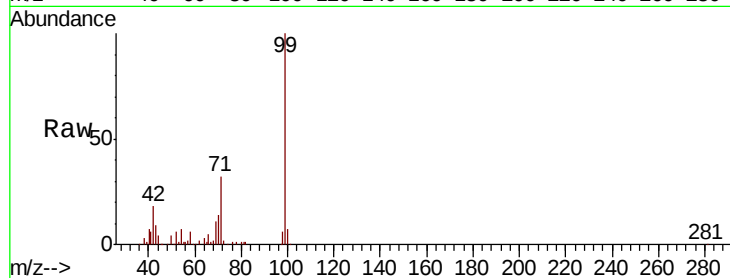
ClientSampleId :

EO-02-081120

Tot Ion:	99	Resp:	122592
Ion Ratio	Lower	Upper	
99	100		
42	18.4	13.1	19.7
71	31.6	23.7	35.5

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#21

Naphthalene-d8

Concen: 40.000 ng

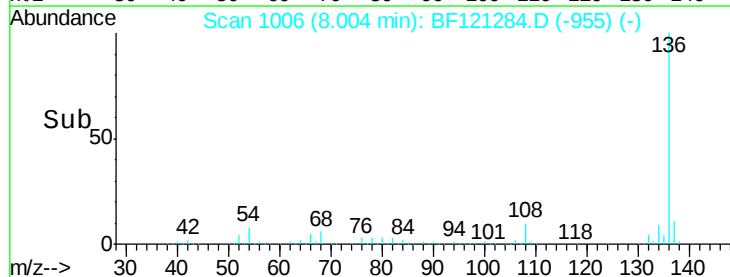
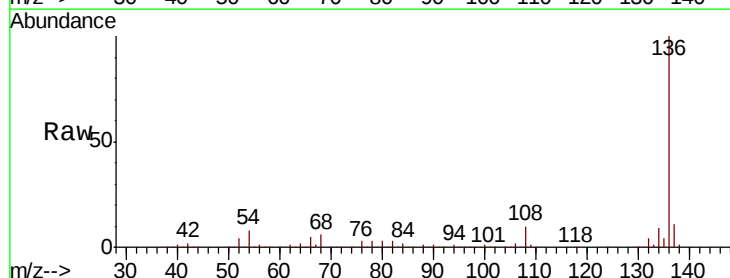
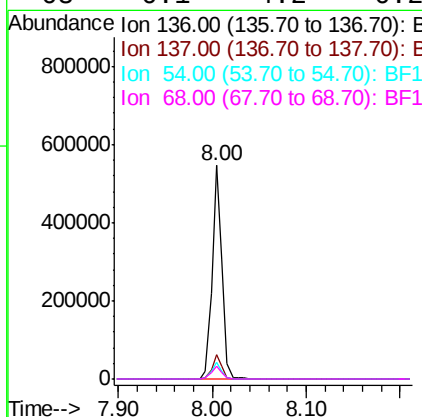
RT: 8.00 min Scan# 1006

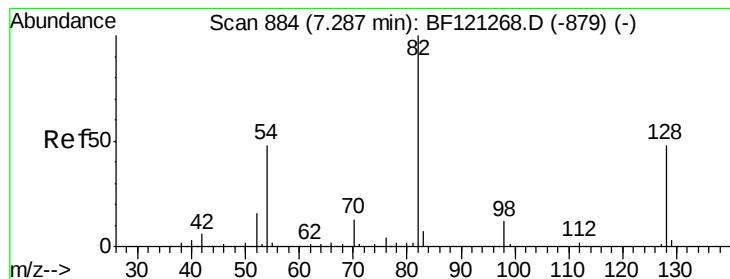
Delta R.T. 0.00 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Tgt Ion:	136	Resp:	407534
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	7.7	5.3	7.9
68	6.1	4.2	6.2





#23

Nitrobenzene-d5

Concen: 20.715 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Instrument :

BNA_F

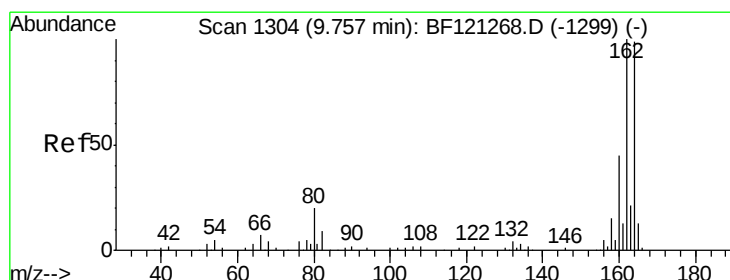
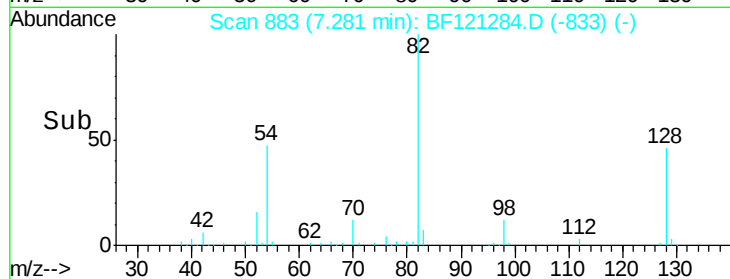
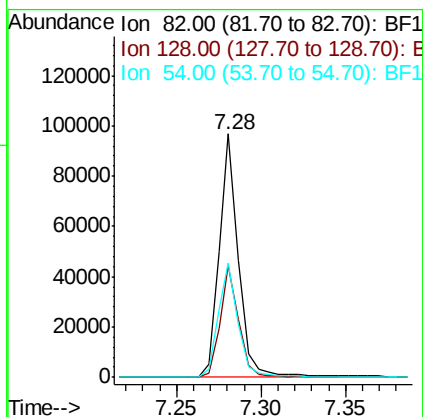
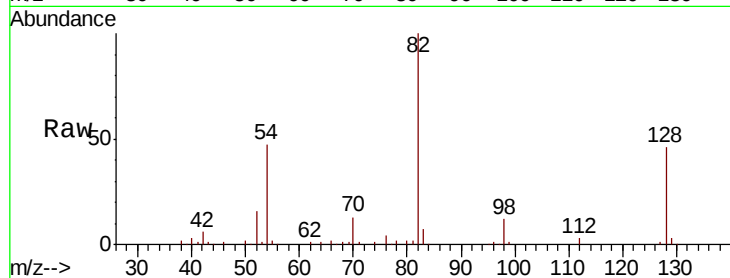
ClientSampleId :

EO-02-081120

Tot Ion:	82	Resp:	77235
Ion Ratio	Lower	Upper	
82	100		
128	45.9	39.8	59.8
54	47.2	37.7	56.5

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#39

Acenaphthene-d10

Concen: 40.000 ng

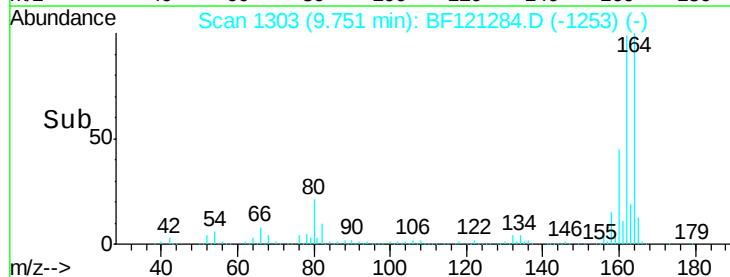
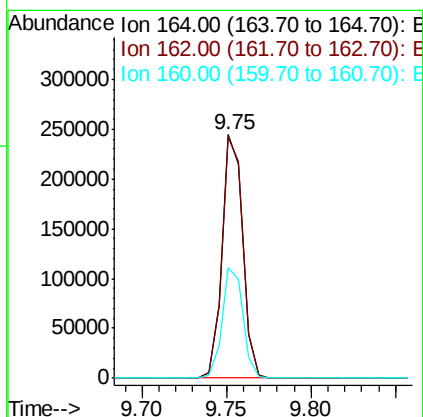
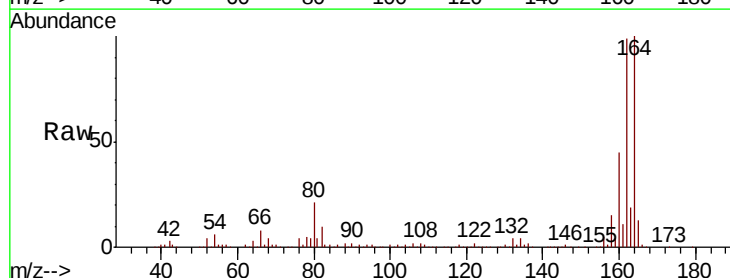
RT: 9.75 min Scan# 1303

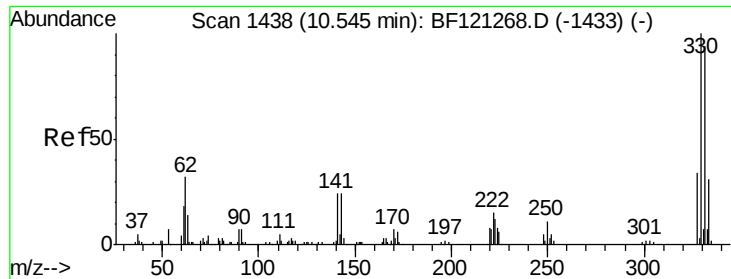
Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Tgt Ion:	164	Resp:	207617
Ion Ratio	Lower	Upper	
164	100		
162	99.0	81.2	121.8
160	45.5	36.9	55.3





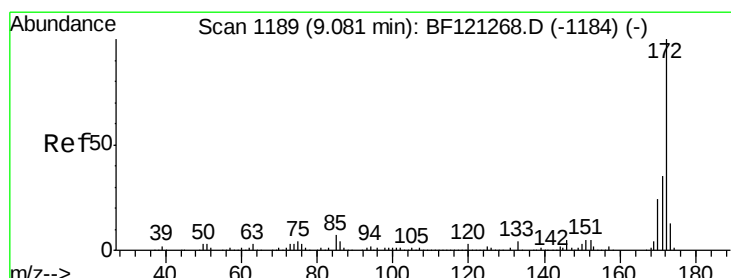
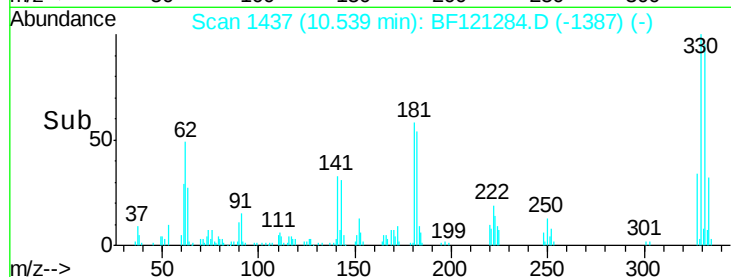
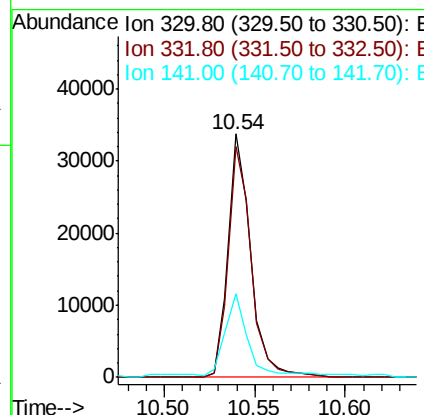
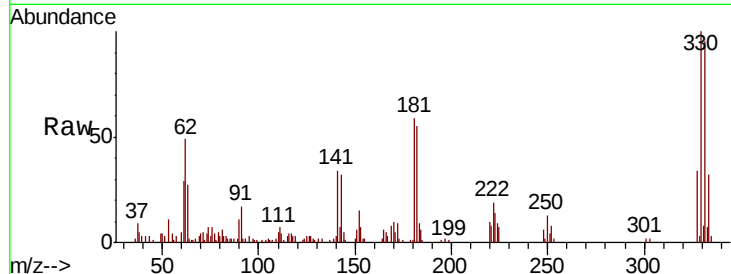
#42
 2,4,6-Tribromophenol
 Concen: 22.998 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF121284.D
 Acq: 13 Aug 2020 22:12

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29393		
332	96.8		75.4	113.0
141	34.4		23.4	35.2

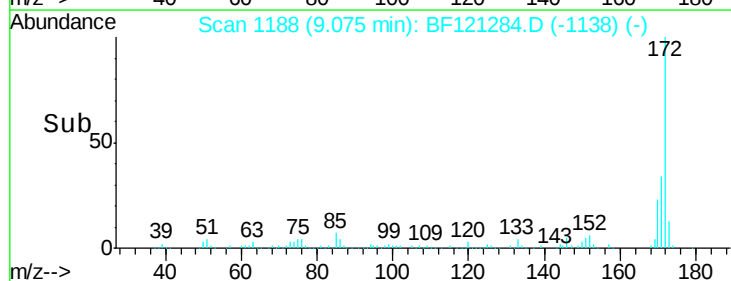
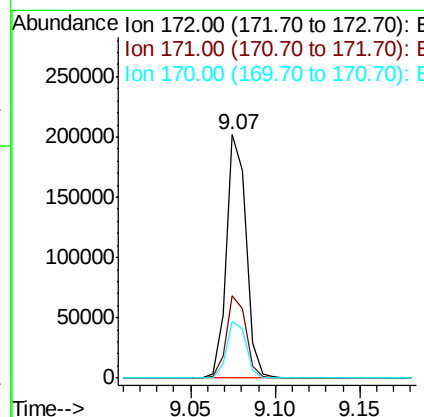
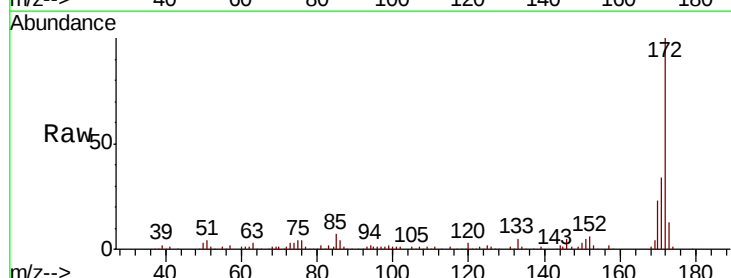
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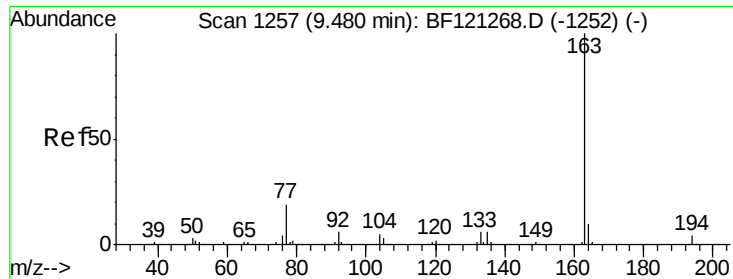
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#45
 2-Fluorobiphenyl
 Concen: 21.970 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF121284.D
 Acq: 13 Aug 2020 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	164875		
171	34.1		28.3	42.5
170	23.5		19.3	28.9





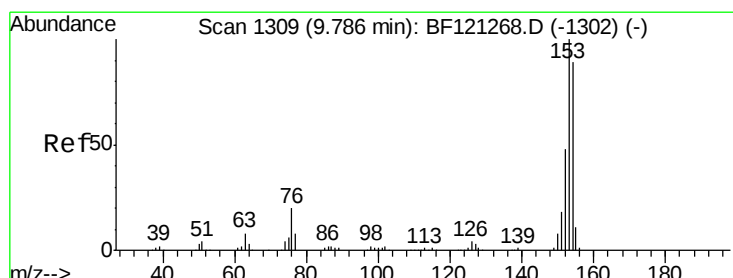
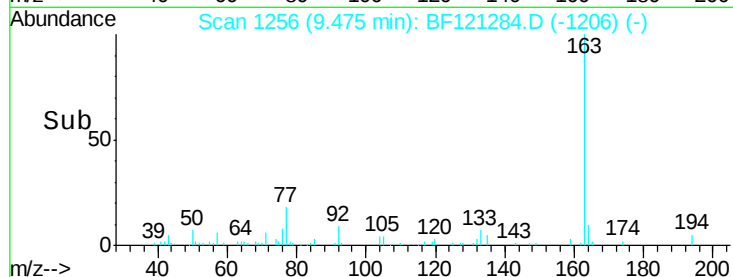
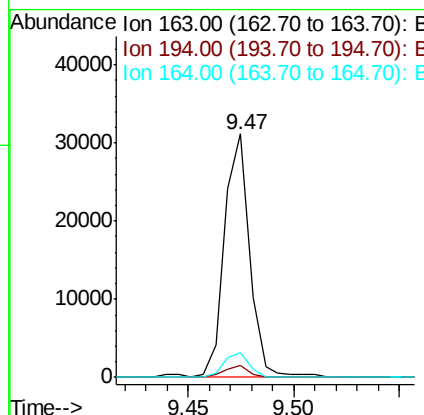
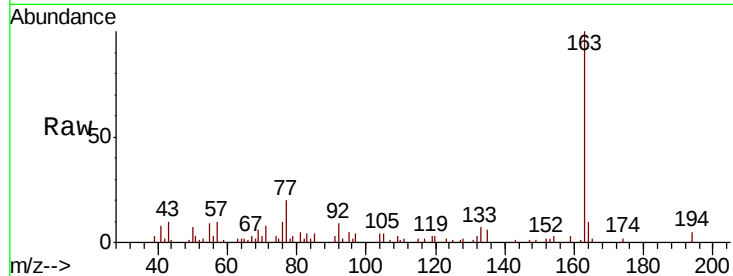
#50
Dimethylphthalate
Concen: 3.302 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	25791		
194	4.7	3.0	4.6#	
164	10.3	8.1	12.1	

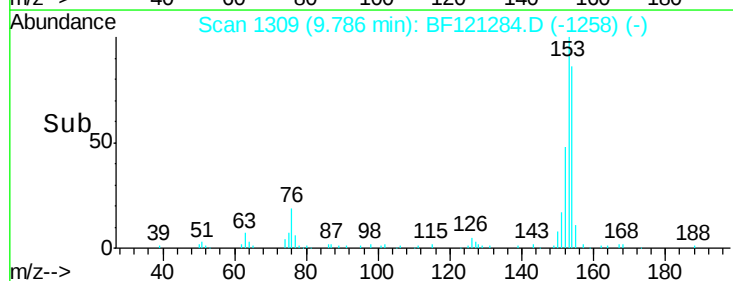
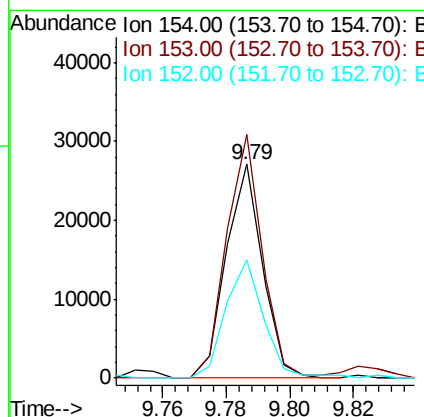
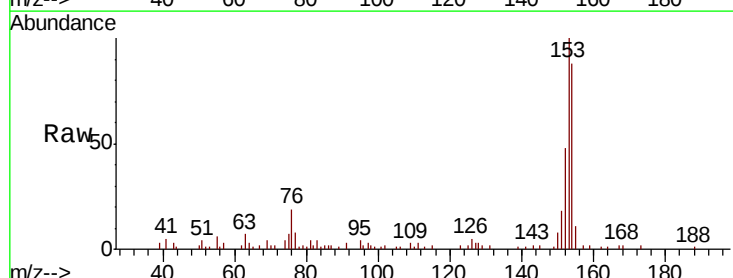
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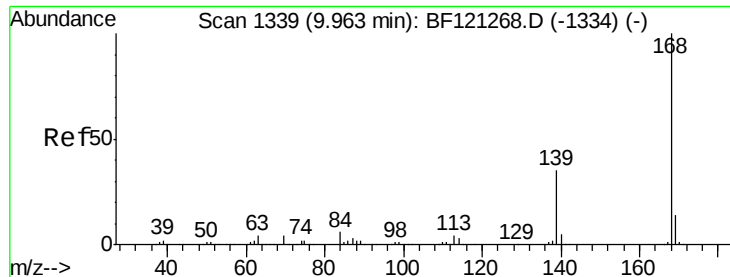
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#52
Acenaphthene
Concen: 3.284 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	21324		
153	113.9	89.3	133.9	
152	55.2	42.9	64.3	





#55

Dibenzofuran

Concen: 2.489 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Instrument :

BNA_F

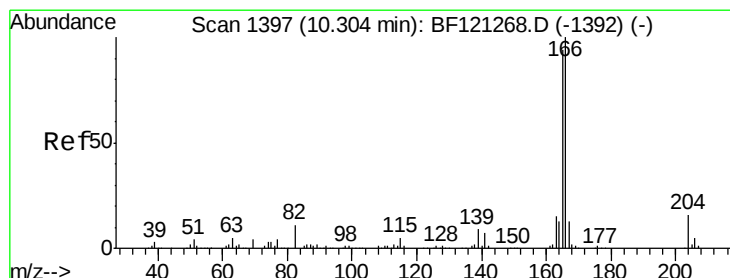
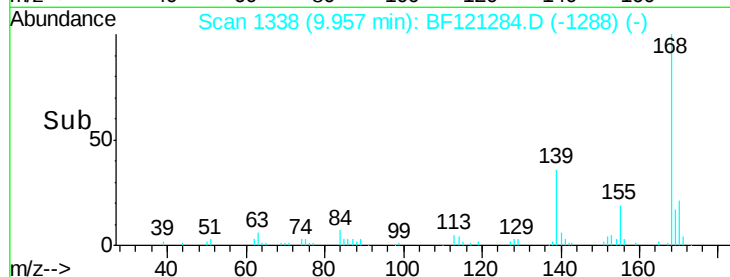
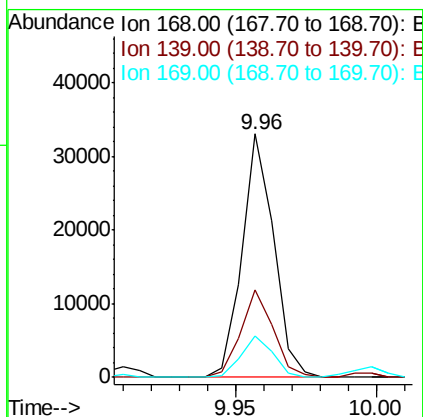
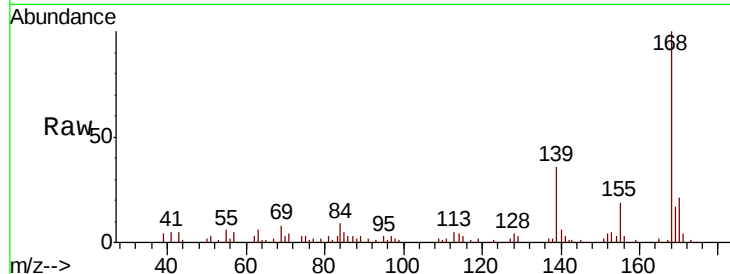
ClientSampleId :

EO-02-081120

Tot Ion:	168	Resp:	25737
Ion Ratio	Lower	Upper	
168	100		
139	35.9	29.0	43.6
169	17.1	11.0	16.4

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#58

Fluorene

Concen: 5.904 ng

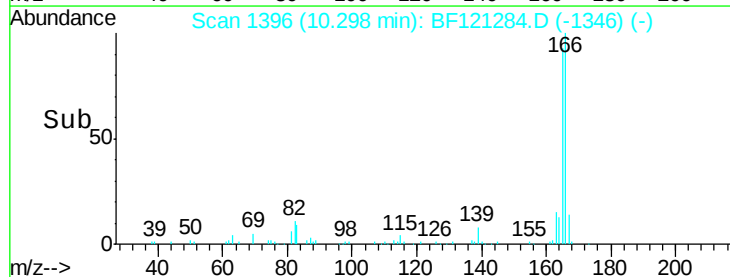
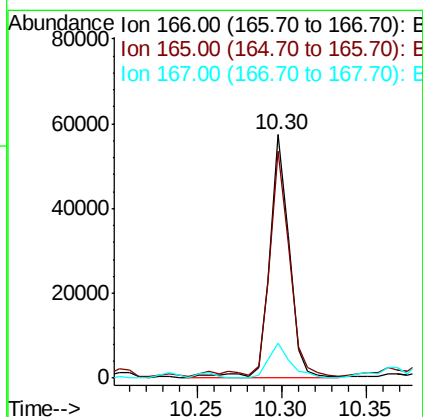
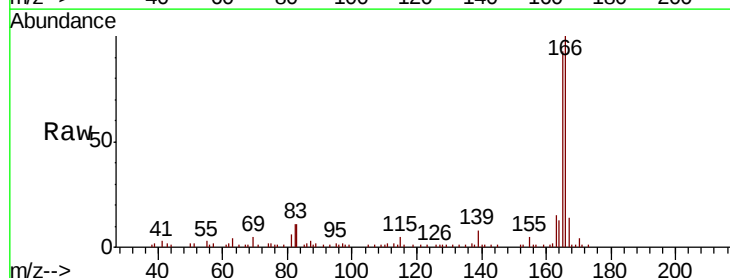
RT: 10.30 min Scan# 1396

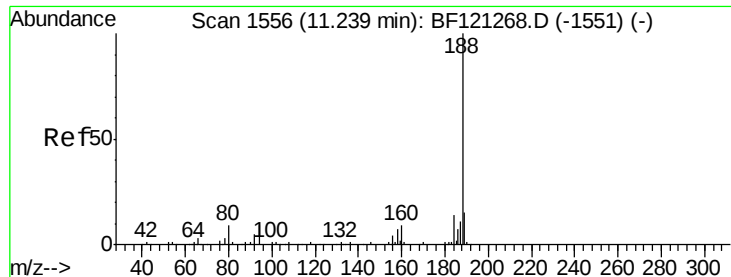
Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Tgt Ion:	166	Resp:	46208
Ion Ratio	Lower	Upper	
166	100		
165	93.3	75.0	112.6
167	14.2	10.6	16.0





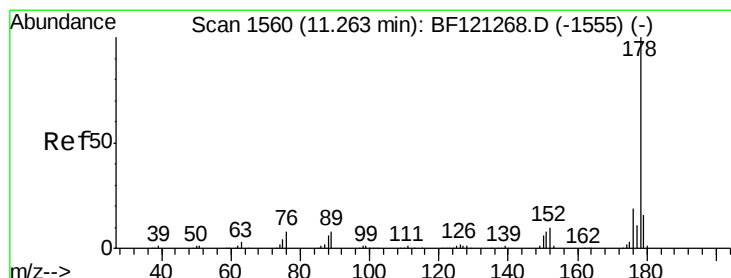
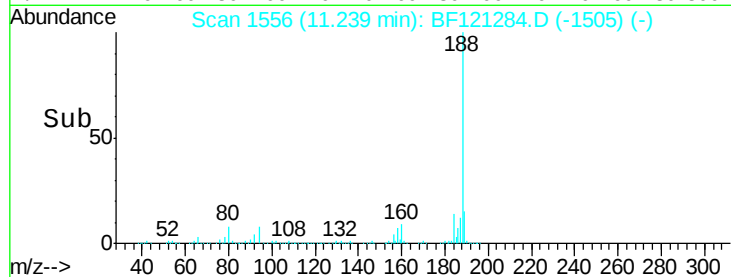
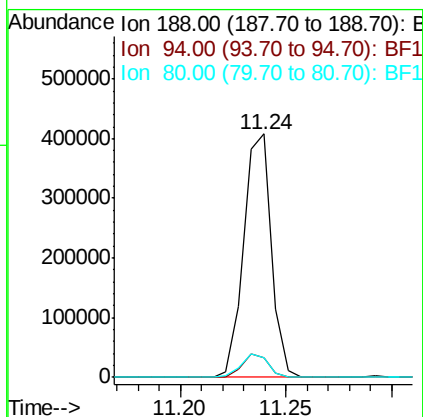
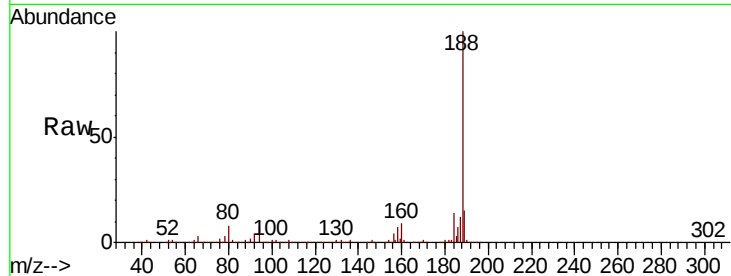
#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Instrument :
BNA_F
ClientSampled :
EO-02-081120

Tot Ion:188	Resp:	369406
Ion Ratio	Lower	Upper
188 100		
94 8.3	7.0	10.6
80 8.3	7.4	11.0

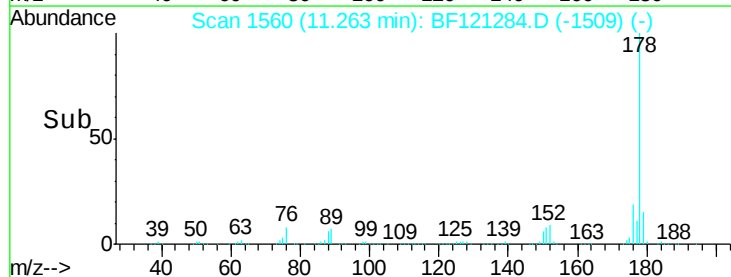
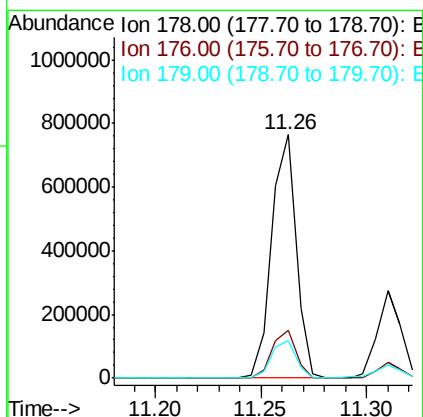
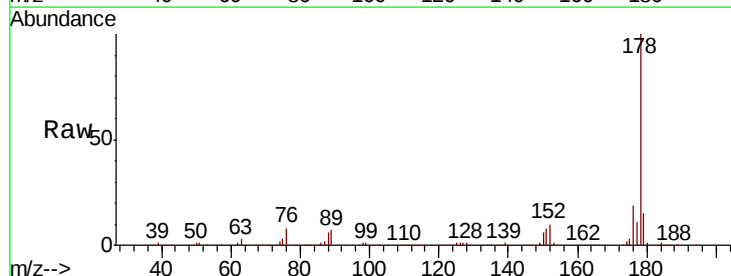
Manual Integrations
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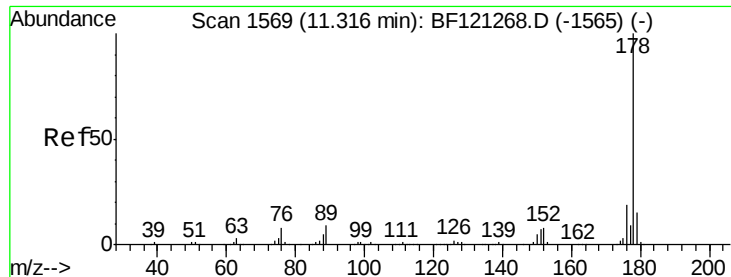
Sohil
8/14/2020 2:53:30 PM



#71
Phenanthrene
Concen: 58.739 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Tgt Ion:178	Resp:	620672
Ion Ratio	Lower	Upper
178 100		
176 19.4	15.8	23.8
179 15.4	12.6	19.0





#72

Anthracene

Concen: 20.160 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Instrument :

BNA_F

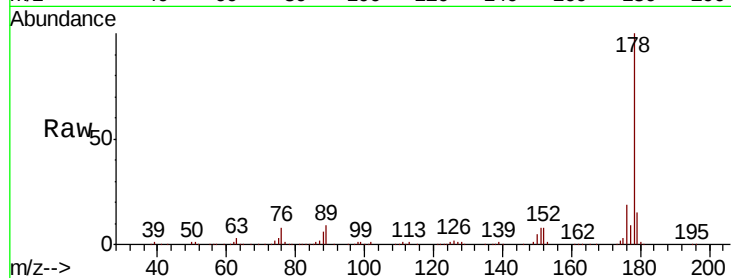
ClientSampleId :

EO-02-081120

Tot Ion:	178	Resp:	213776
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.2	22.8
179	15.5	12.4	18.6

Manual Integrations
APPROVED

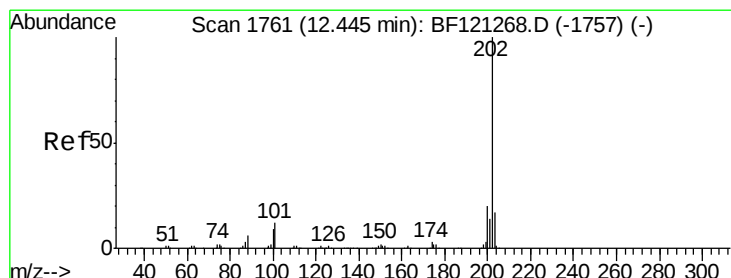
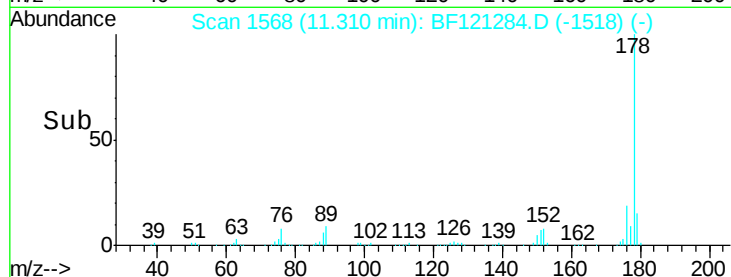
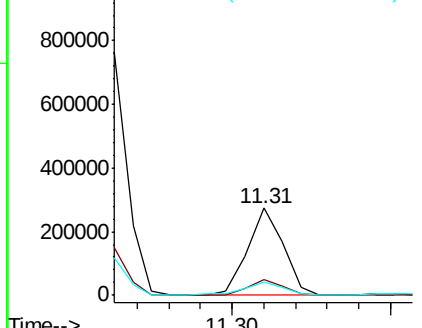
Sohil
8/14/2020 2:53:30 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 97.446 ng

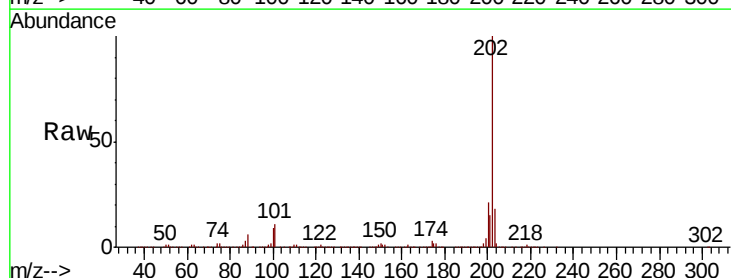
RT: 12.45 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

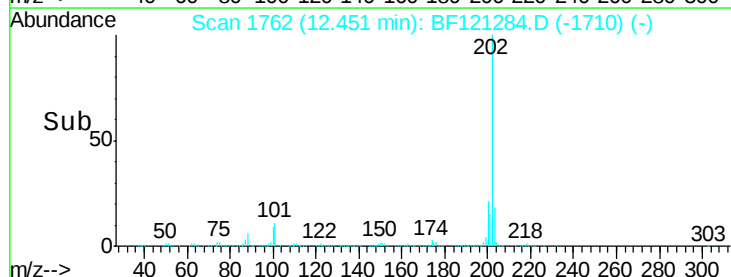
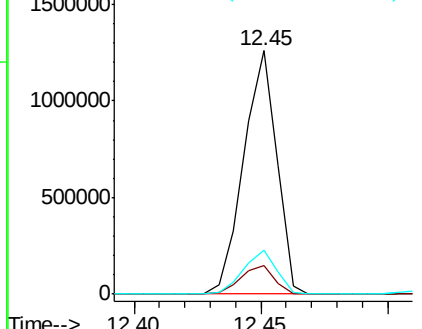
Tgt Ion:	202	Resp:	1146554
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	30.6
203	17.9	0.0	38.0

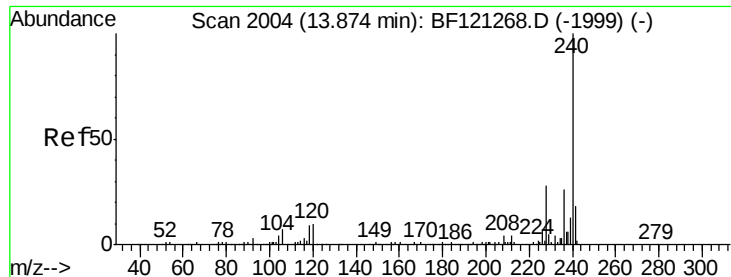


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





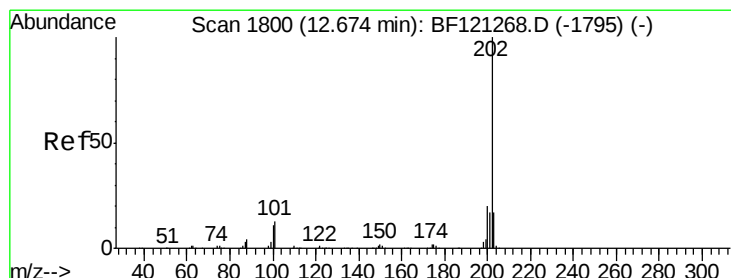
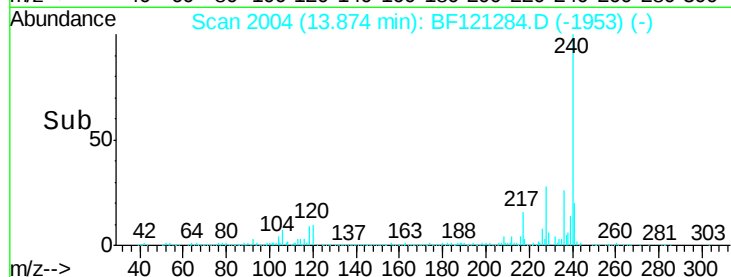
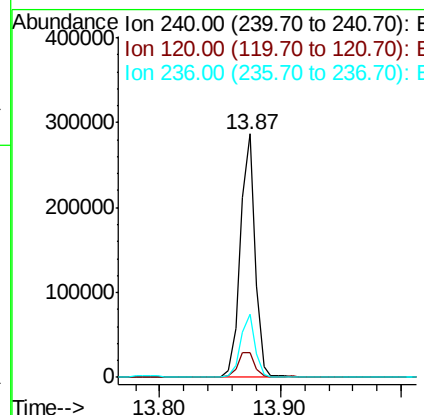
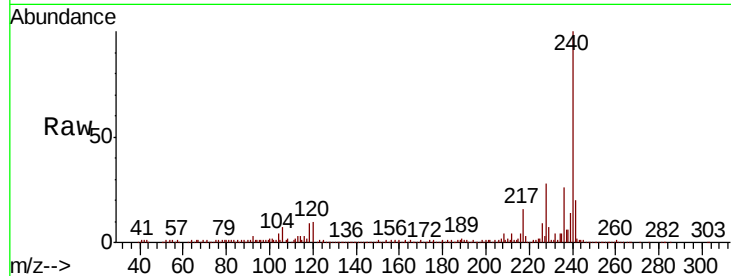
#76
Chrysene-d12
Concen: 40.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Instrument :
BNA_F
ClientSampleId :
EO-02-081120

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.1	9.2	13.8
236	26.0	21.0	31.4

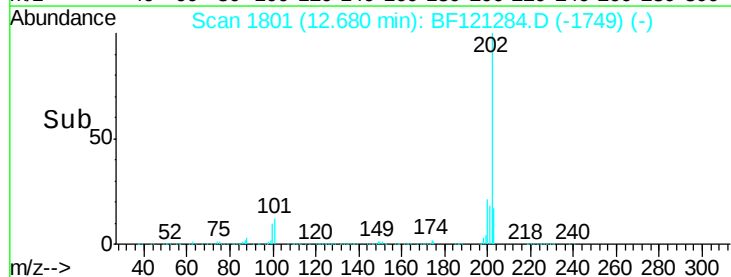
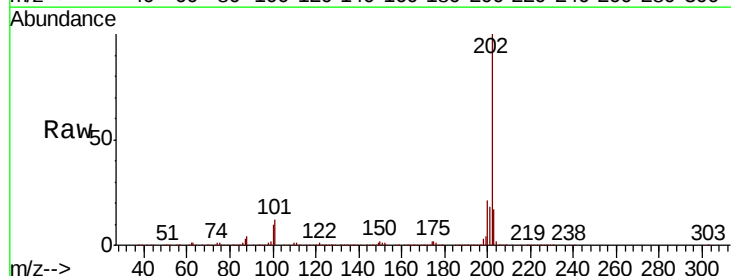
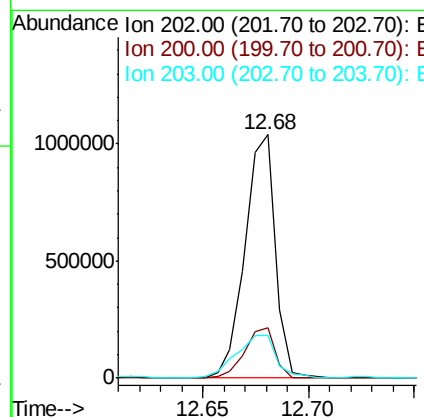
Manual Integrations
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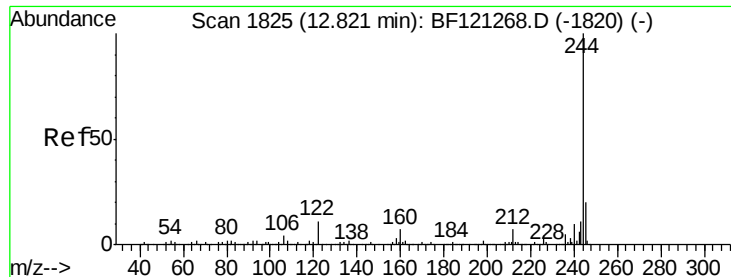
Sohil
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#78
Pyrene
Concen: 114.453 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	16.3	24.5
203	17.5	13.8	20.8





#79

Terphenyl-d14

Concen: 23.402 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Instrument :

BNA_F

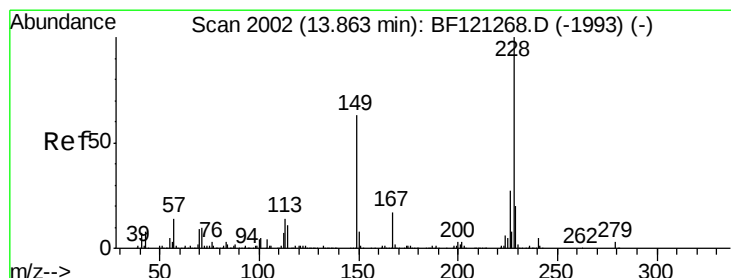
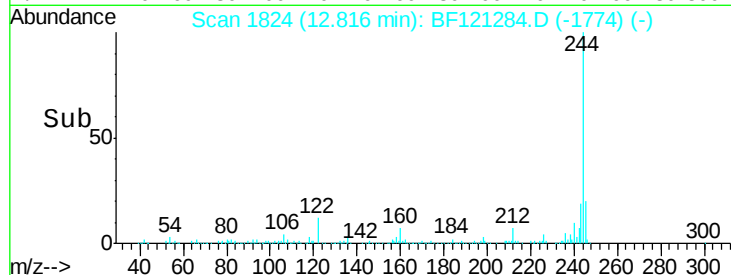
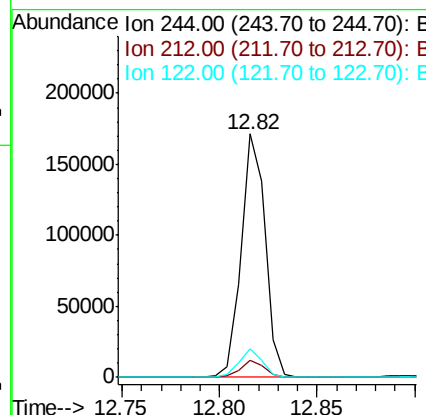
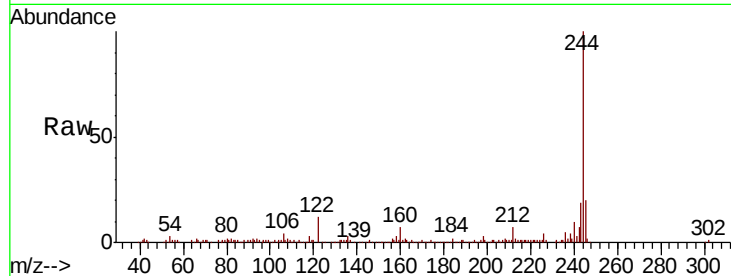
ClientSampleId :

EO-02-081120

Tot Ion:	244	Resp:	145786
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.5	8.3
122	11.7	9.1	13.7

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 66.848 ng

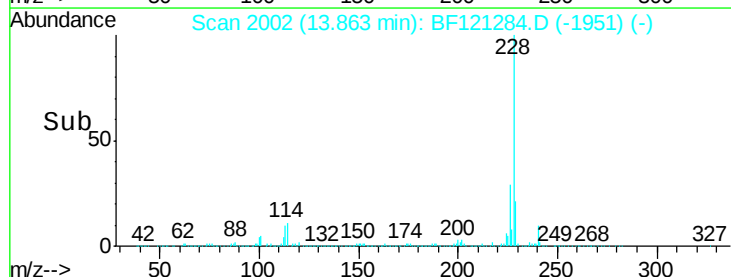
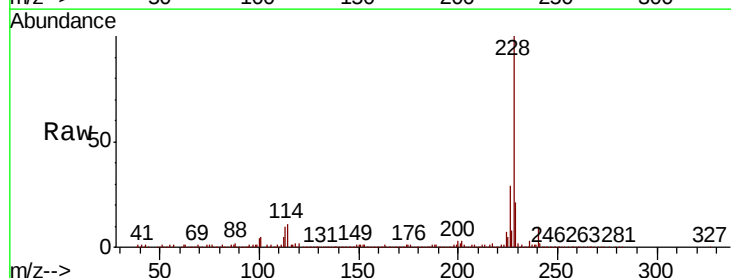
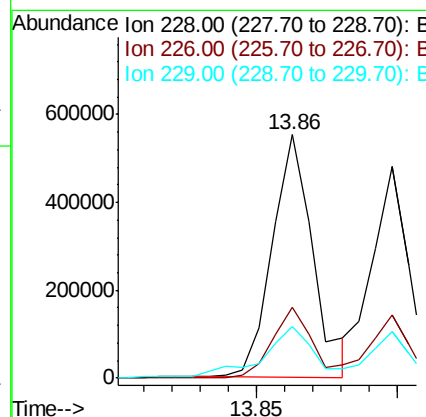
RT: 13.86 min Scan# 2002

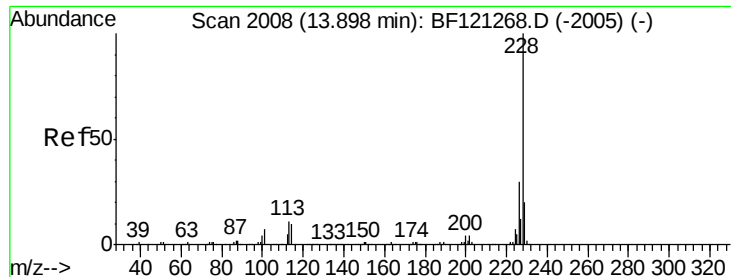
Delta R.T. 0.00 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Tgt Ion:	228	Resp:	550588
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.0	33.0
229	21.3	16.0	24.0





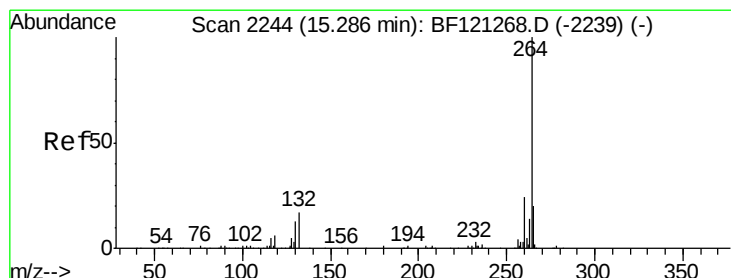
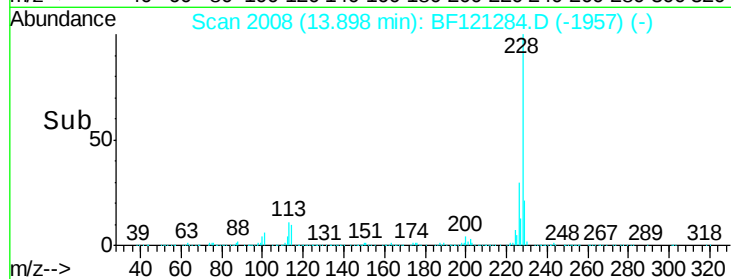
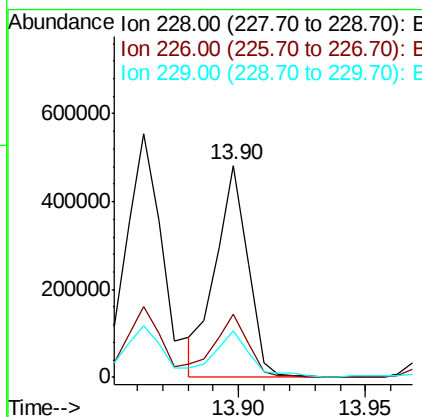
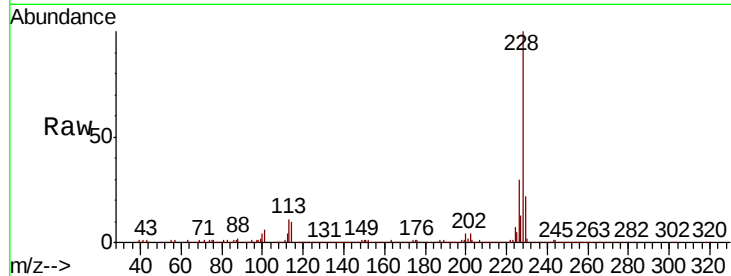
#83
Chrysene
Concen: 50.320 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Instrument :
BNA_F
ClientSampleId :
EO-02-081120

Tot Ion:	228	Resp:	423150
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.8	37.2
229	21.7	16.2	24.2

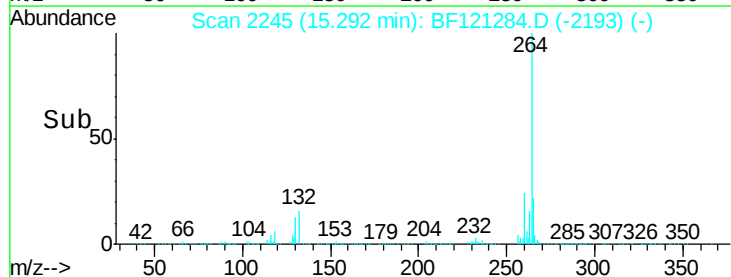
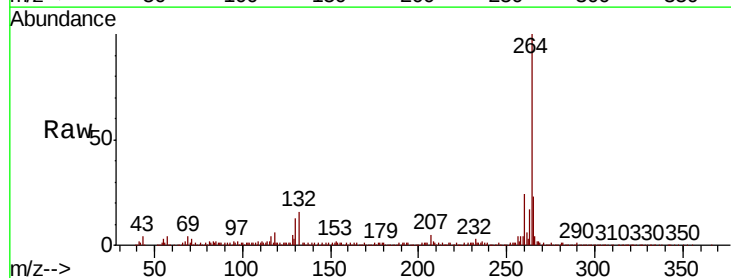
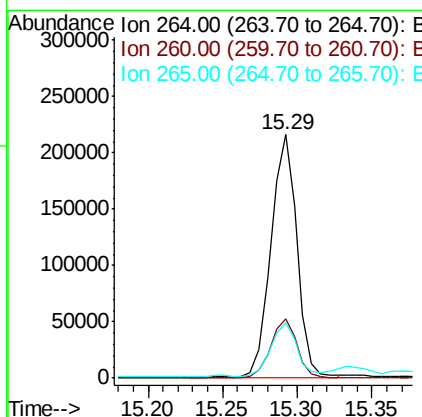
Manual Integrations
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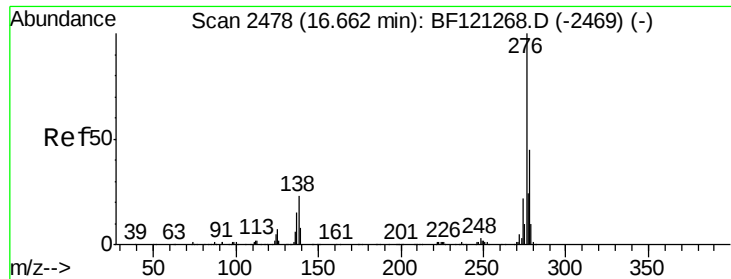
Sohil
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#86
Perylene-d12
Concen: 40.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Tgt Ion:	264	Resp:	260611
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.7	17.1	25.7





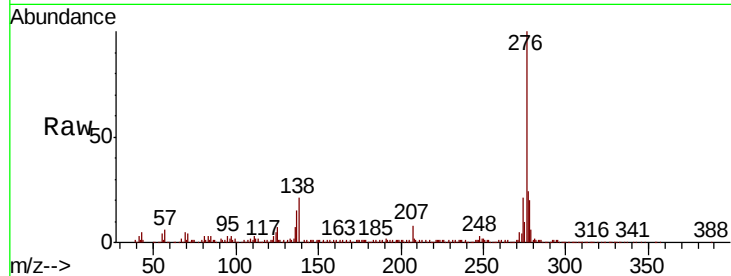
#87
Indeno(1,2,3-cd)pyrene
Concen: 27.005 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Instrument :
BNA_F
ClientSampleId :
EO-02-081120

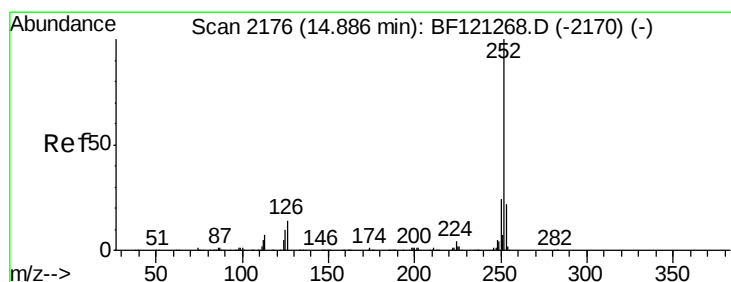
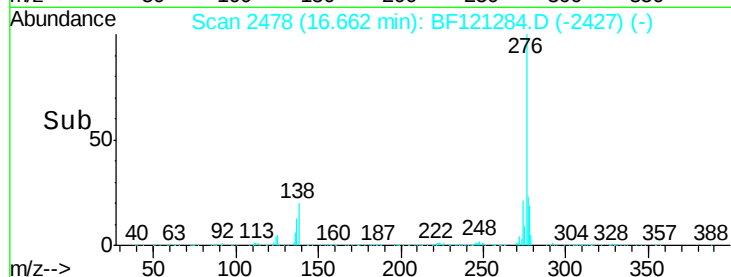
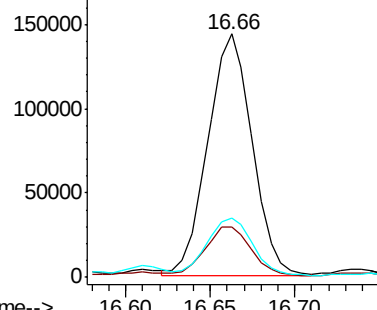
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.6	29.4
277	24.2	20.0	30.0

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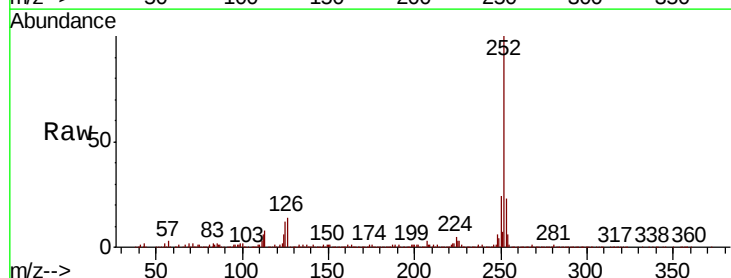


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

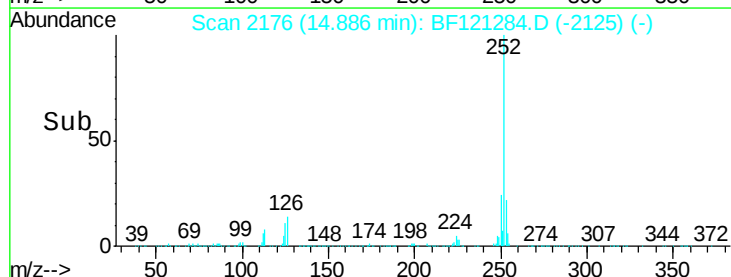
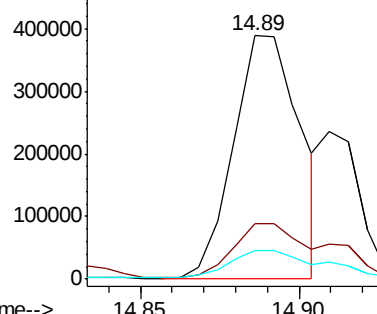


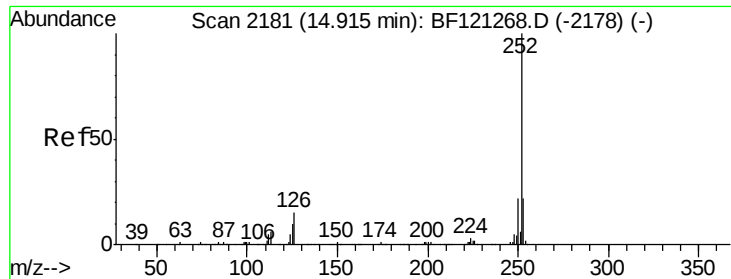
#88
Benzo(b)fluoranthene
Concen: 64.826 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.7	7.6	11.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





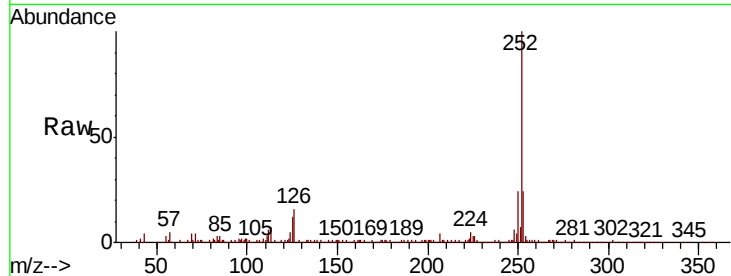
#89
Benzo(k)fluoranthene
Concen: 23.572 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

Instrument :
BNA_F
ClientSampleId :
EO-02-081120

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	11.9	8.8	13.2

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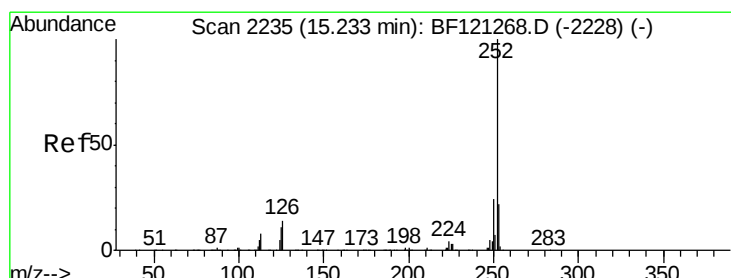
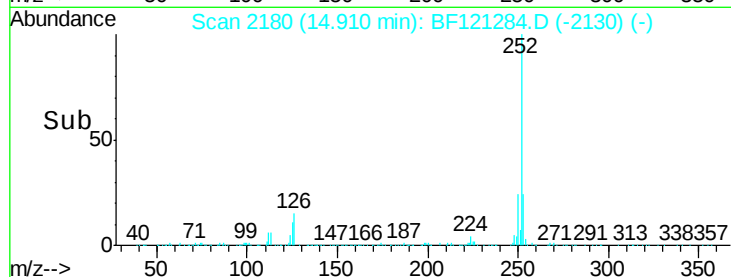
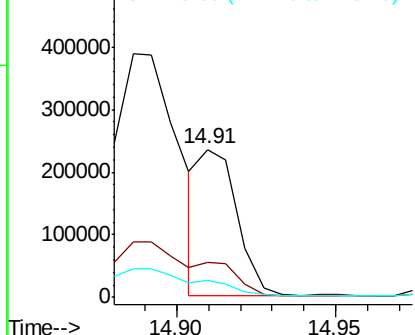


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 55.326 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF121284.D
Acq: 13 Aug 2020 22:12

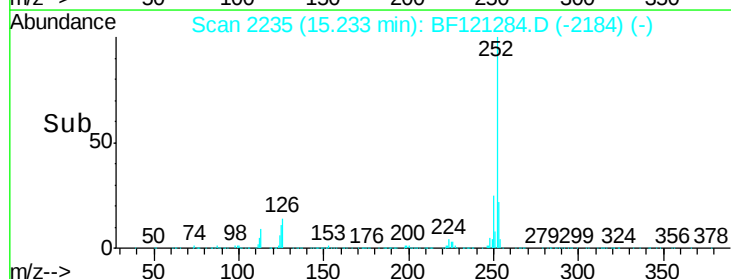
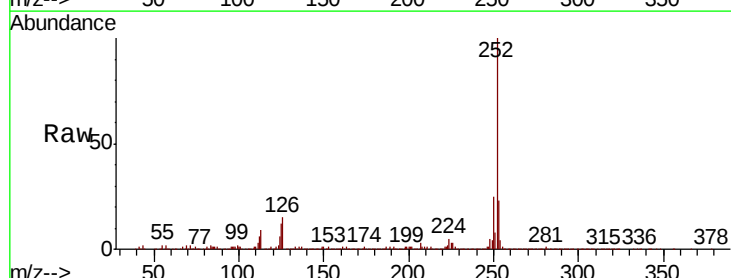
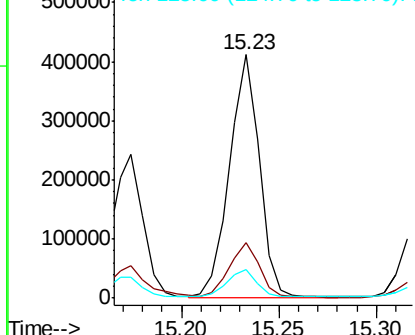
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.6	9.3	13.9

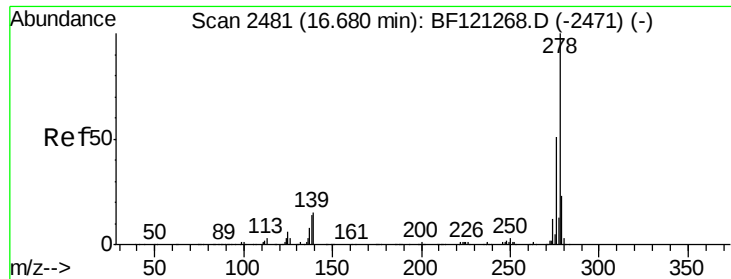
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 7.658 ng

RT: 16.67 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Instrument :

BNA_F

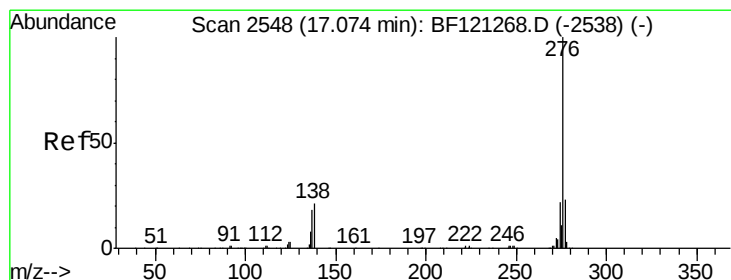
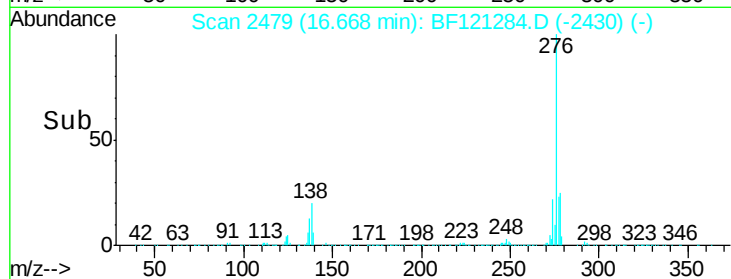
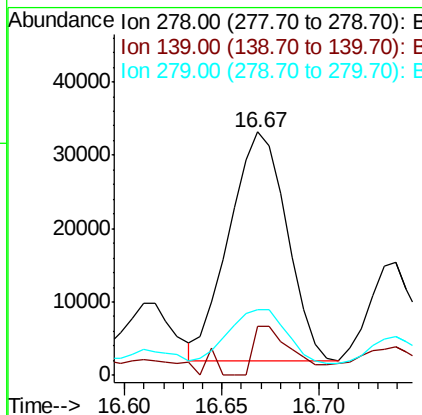
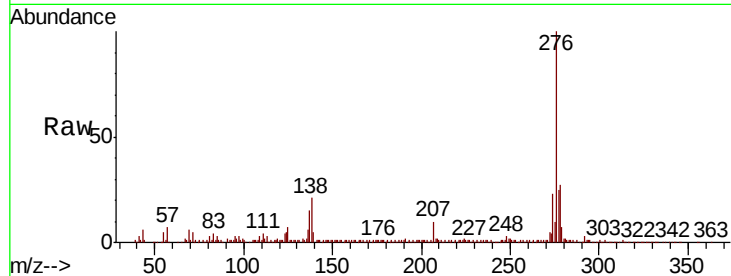
ClientSampleId :

EO-02-081120

Tot Ion:278	Resp:	63569
Ion Ratio	Lower	Upper
278	100	
139	20.4	12.6 19.0#
279	27.2	18.8 28.2

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8/14/2020 2:53:30 PM



#92

Benzo(g,h,i)perylene

Concen: 28.628 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.01 min

Lab File: BF121284.D

Acq: 13 Aug 2020 22:12

Tgt Ion:276	Resp:	234523
Ion Ratio	Lower	Upper
276	100	
277	24.7	19.1 28.7
138	20.5	16.2 24.2

