

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121538.D
 Acq On : 8 Sep 2020 23:35
 Operator : JU/CG
 Sample : L3826-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2-(0.0-0.5)

Manual Integrations
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Quant Time: Sep 09 04:05:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	347305	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1324462	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	684820	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1267778	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	848715	20.00	ng	-0.02
86) Perylene-d12	15.45	264	758294	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1805256	87.21	ng	0.00
7) Phenol-d6	6.47	99	2356575	81.46	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1560793	80.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	700109	101.22	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2723466	64.17	ng	-0.01
79) Terphenyl-d14	12.94	244	2317772	57.48	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	454308	9.658	ng	99
71) Phenanthrene	11.38	178	352377	5.416	ng	96
75) Fluoranthene	12.57	202	647441	9.234	ng	99
78) Pyrene	12.80	202	593009	9.783	ng	97
81) Benzo(a)anthracene	13.99	228	226708	4.376	ng	96
83) Chrysene	14.02	228	251983	4.861	ng	95
87) Indeno(1,2,3-cd)pyrene	16.89	276	124529	2.669	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	283690m	5.751	ng	
90) Benzo(a)pyrene	15.39	252	184137	4.151	ng	98
92) Benzo(g,h,i)perylene	17.33	276	125883	3.422	ng	96

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

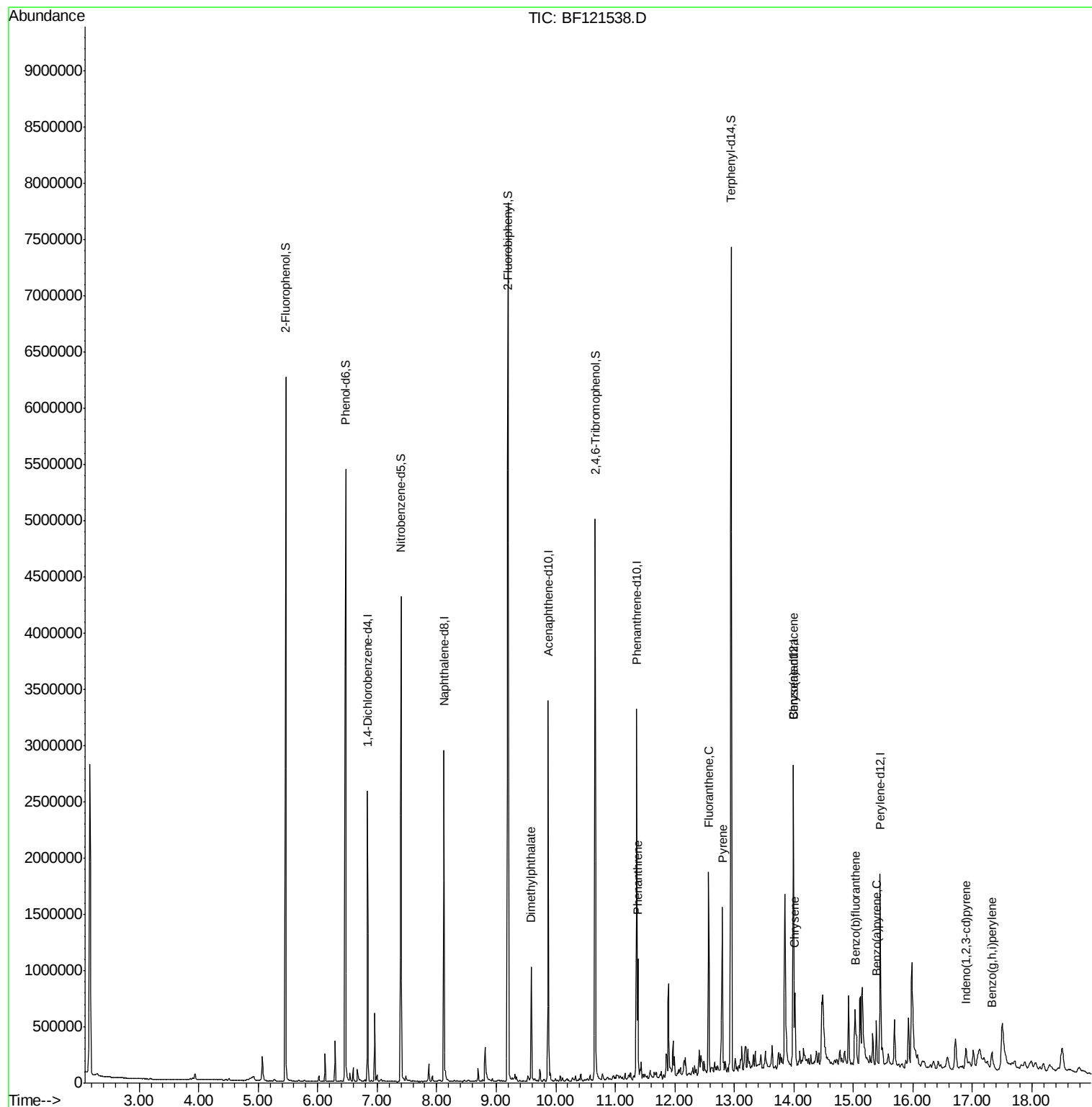
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
Data File : BF121538.D
Acq On : 8 Sep 2020 23:35
Operator : JU/CG
Sample : L3826-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

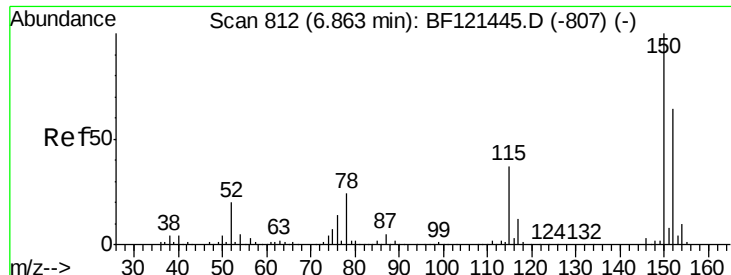
Instrument :
BNA_F
ClientSampleId :
BKG-2-(0.0-0.5)

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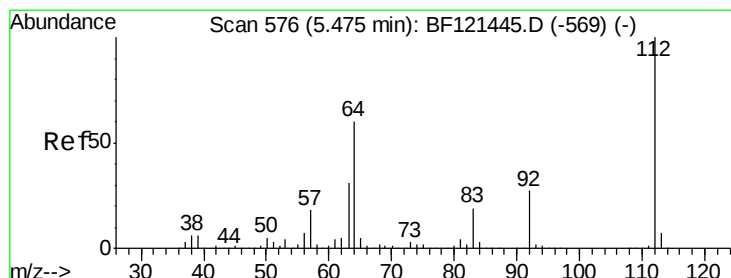
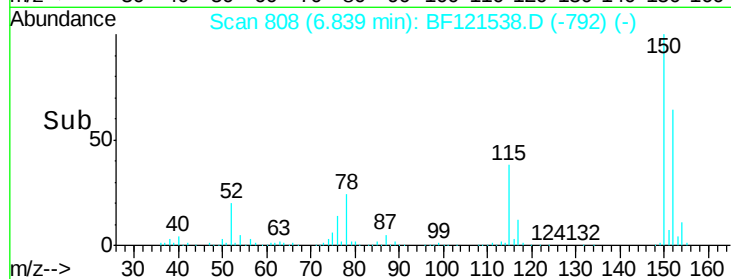
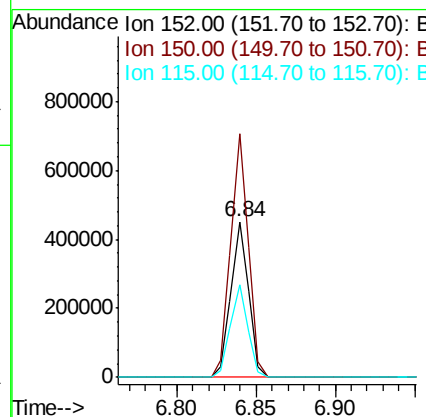
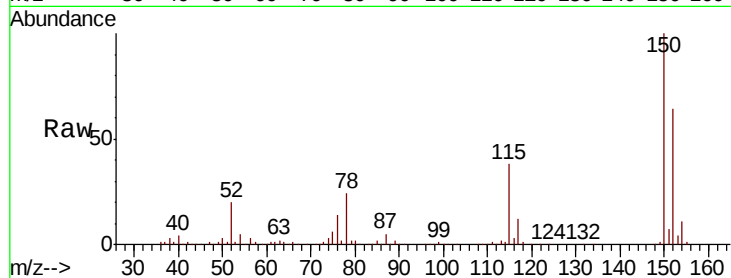
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.1	189.1
115	59.6	48.4	72.6

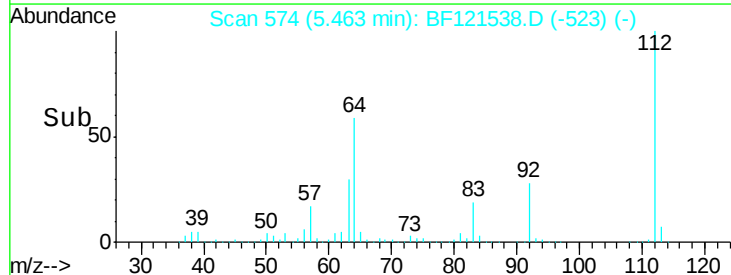
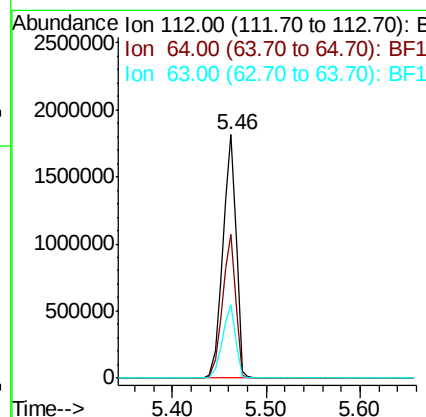
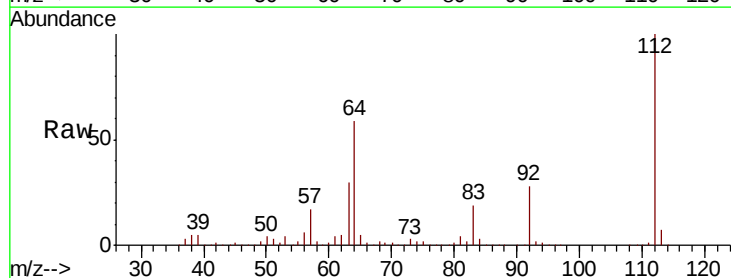
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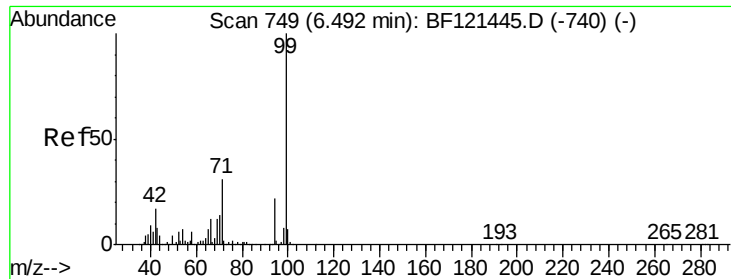
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#5
 2-Fluorophenol
 Concen: 87.207 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	30.3	23.4	35.2





#7

Phenol-d6

Concen: 81.462 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121538.D

Acq: 8 Sep 2020 23:35

Instrument :

BNA_F

ClientSampleId :

BKG-2-(0.0-0.5)

Tot Ion: 99 Resp: 2356575

Ion Ratio Lower Upper

99 100

42 16.1 13.0 19.4

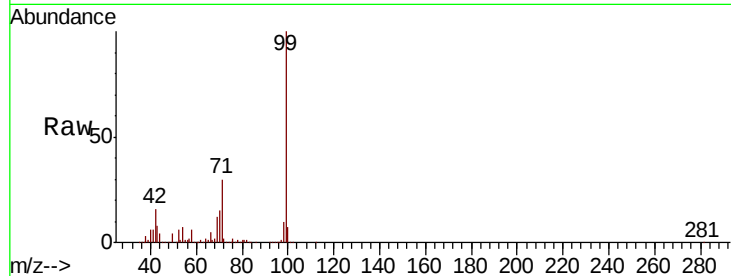
71 30.5 24.8 37.2

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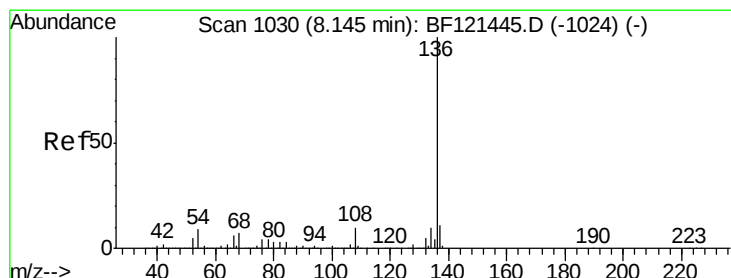
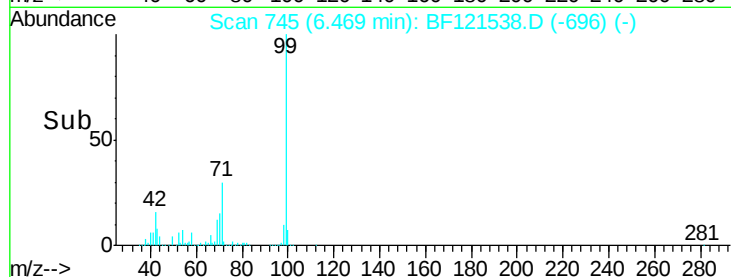
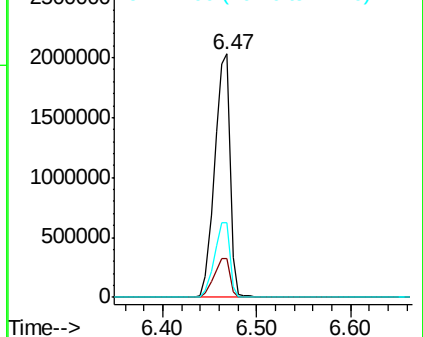
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF121538.D

Acq: 8 Sep 2020 23:35

Tgt Ion: 136 Resp: 1324462

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.1 6.2 9.4

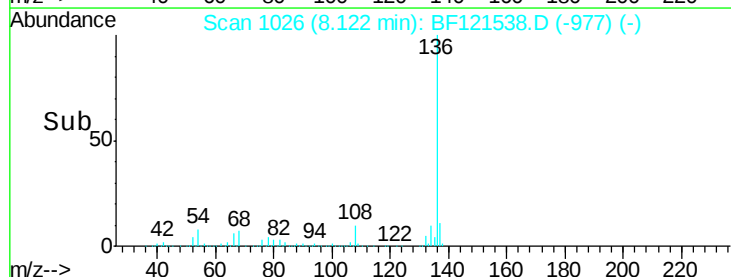
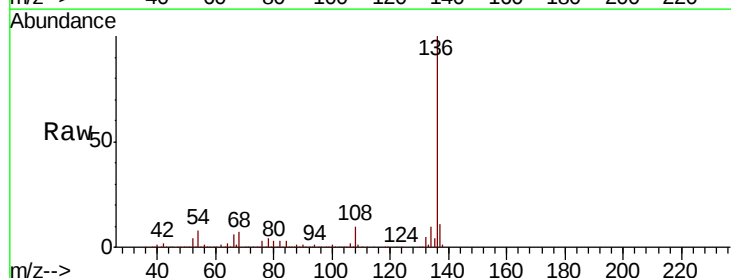
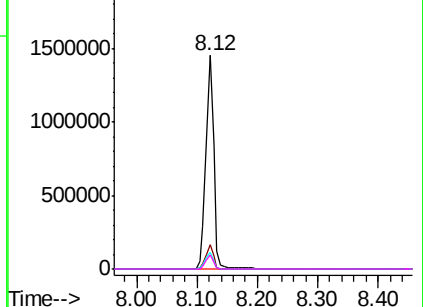
68 6.8 5.1 7.7

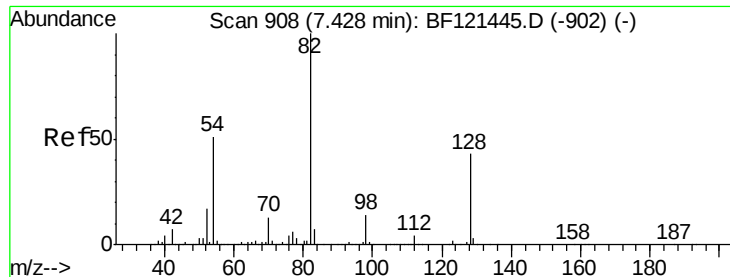
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





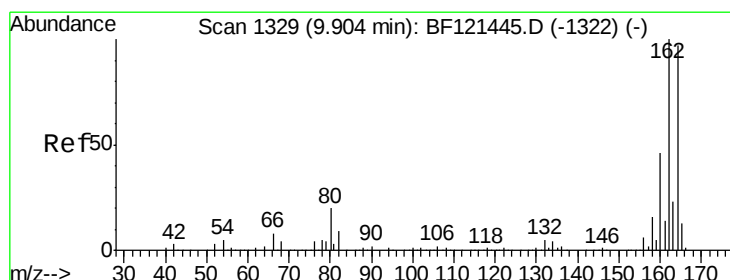
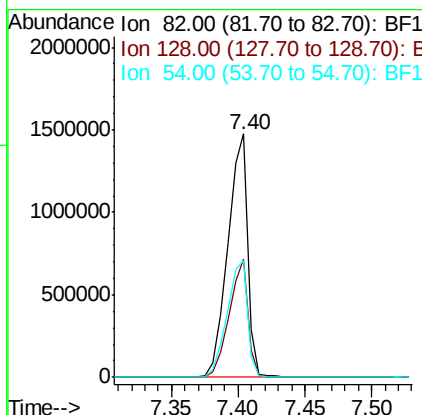
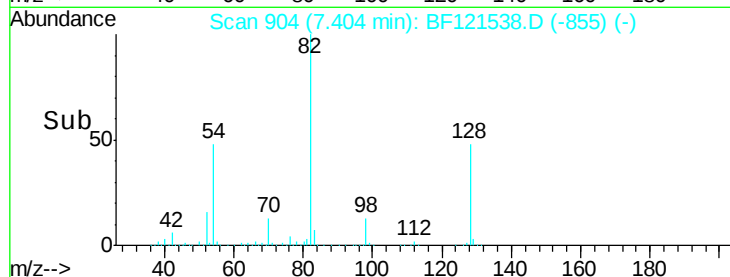
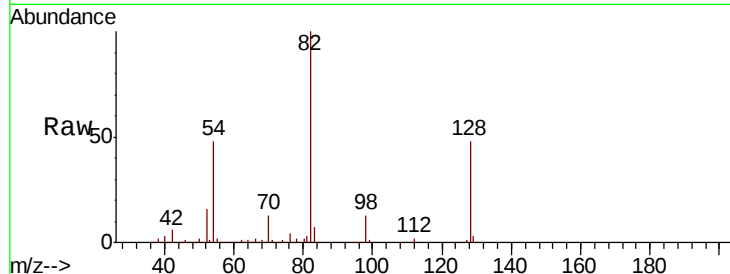
#23
Nitrobenzene-d5
Concen: 80.564 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Instrument :
BNA_F
ClientSampleId :
BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.3	55.9
54	48.1	39.0	58.6

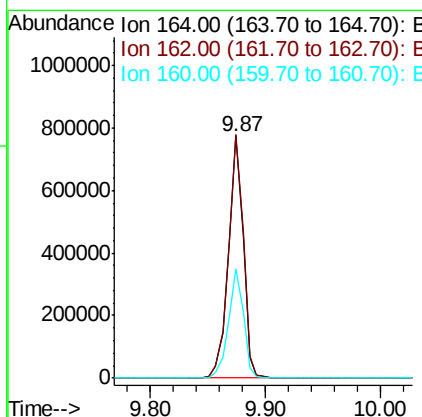
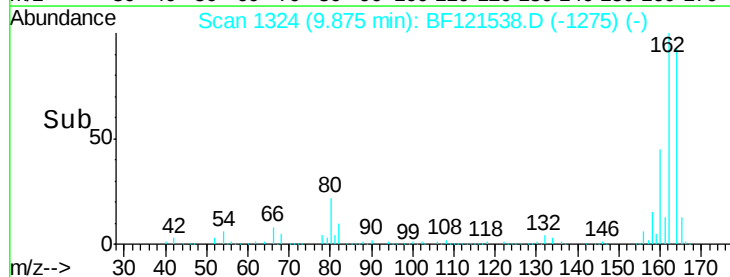
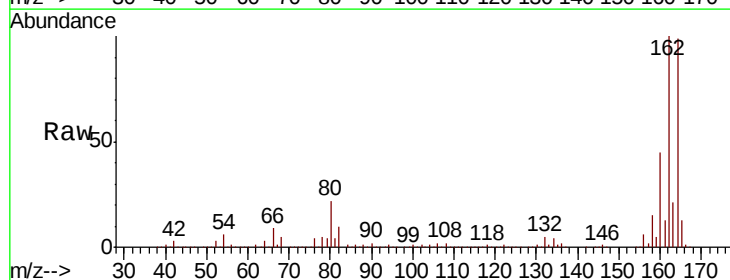
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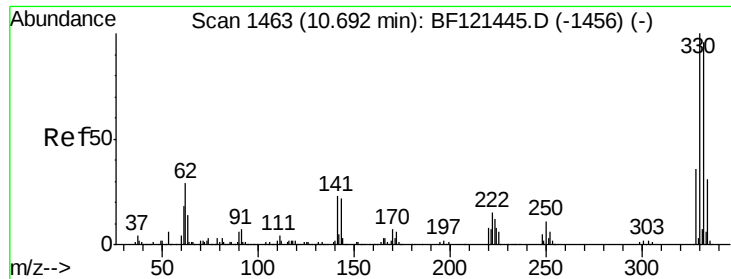
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.5	120.7
160	45.3	36.2	54.4





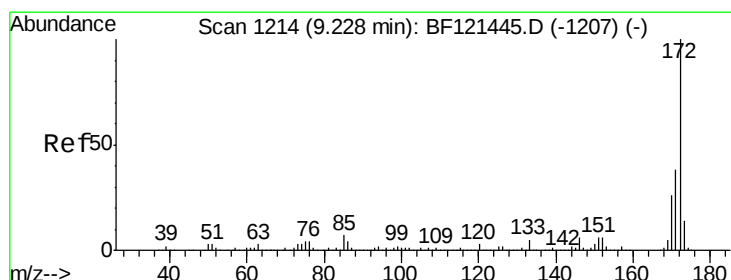
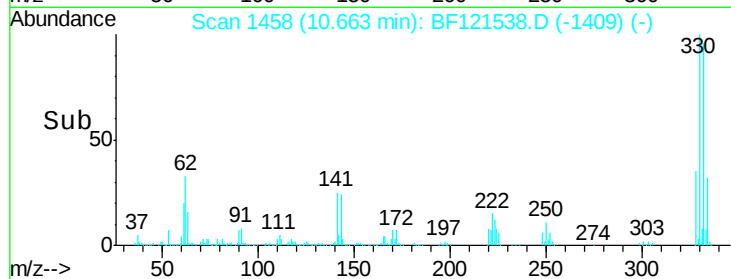
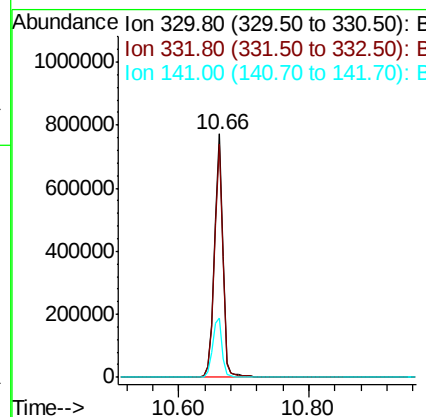
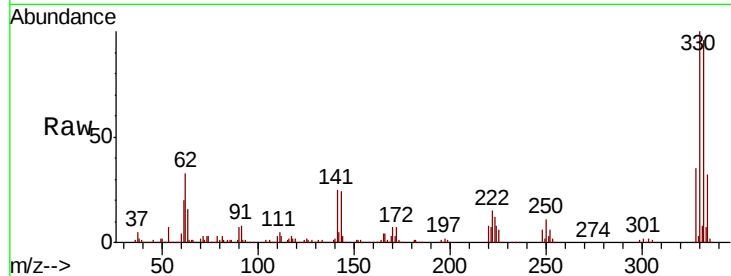
#42
 2,4,6-Tribromophenol
 Concen: 101.215 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.2
141	27.6	22.6	34.0

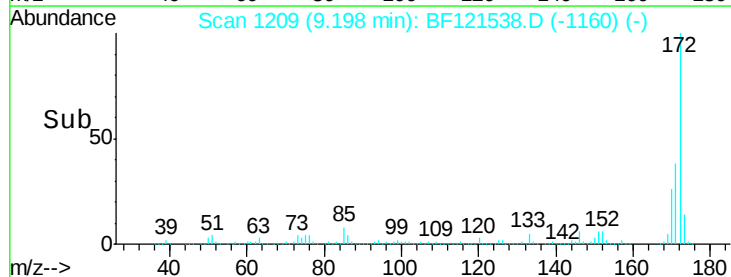
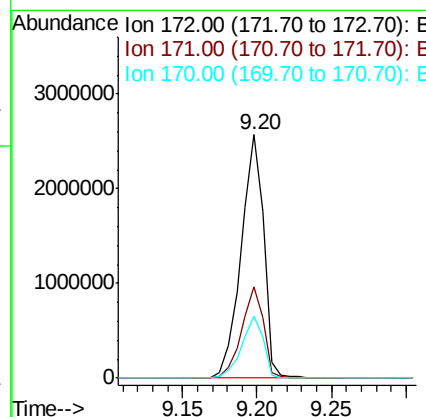
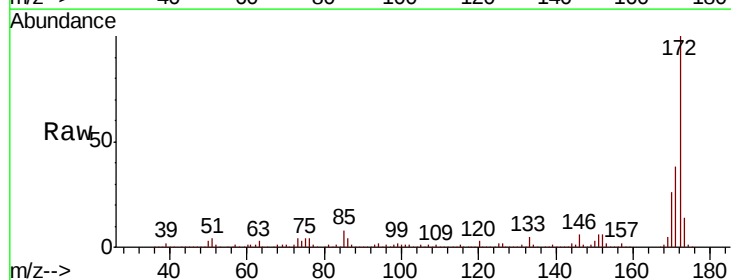
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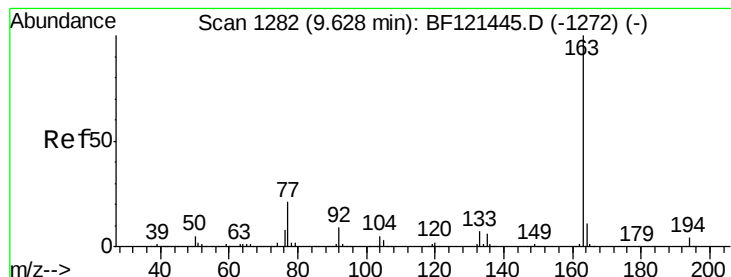
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#45
 2-Fluorobiphenyl
 Concen: 64.169 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.4	45.6
170	25.6	20.7	31.1





#50

Dimethylphthalate

Concen: 9.658 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF121538.D

Acq: 8 Sep 2020 23:35

Instrument :

BNA_F

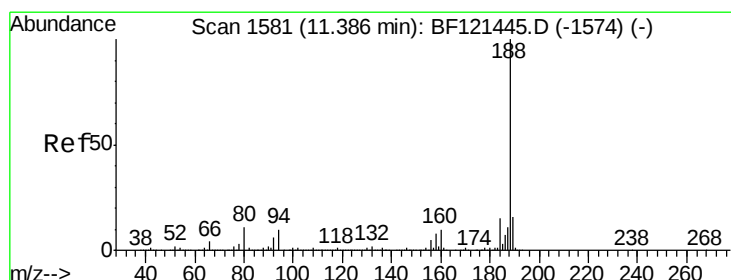
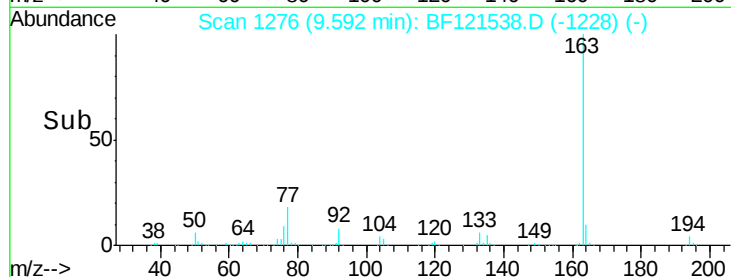
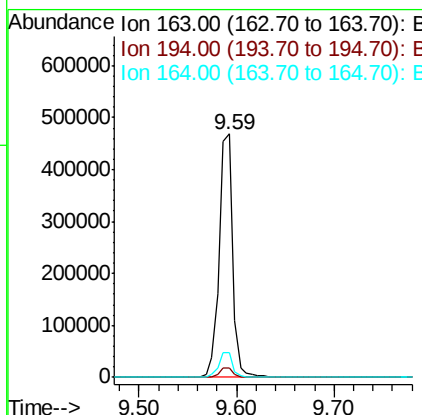
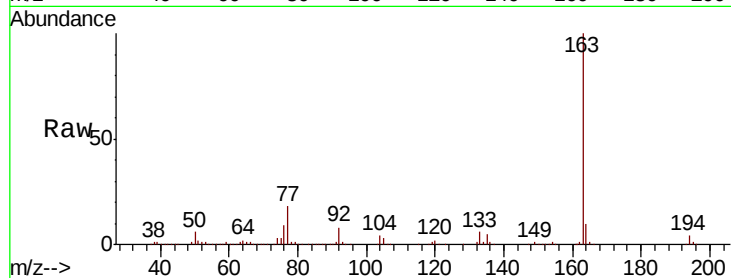
ClientSampleId :

BKG-2-(0.0-0.5)

Tot Ion:	163	Resp:	454308
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.0	8.6	13.0

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#64

Phenanthrene-d10

Concen: 20.000 ng

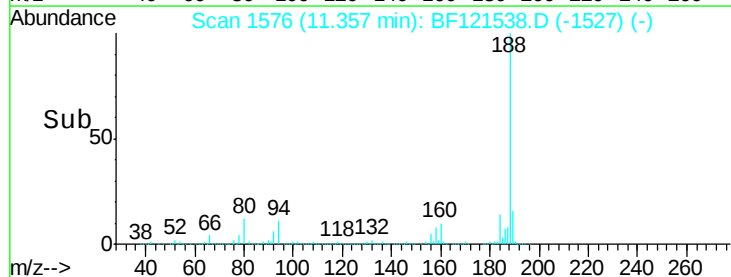
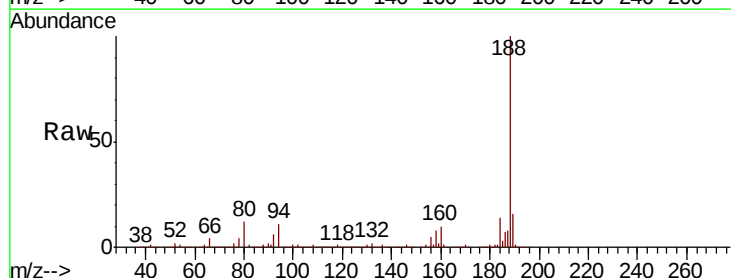
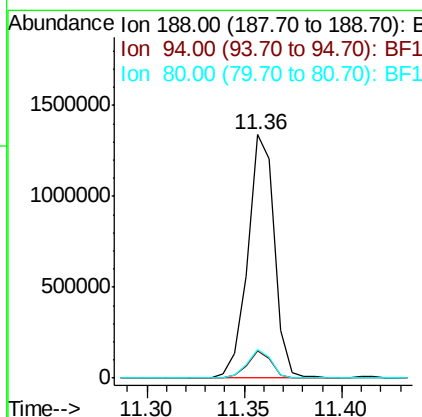
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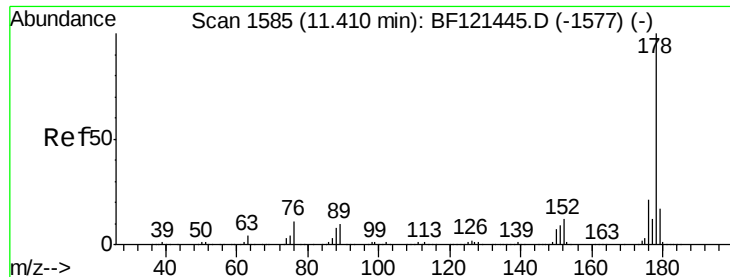
Delta R.T. -0.01 min

Lab File: BF121538.D

Acq: 8 Sep 2020 23:35

Tgt Ion:	188	Resp:	1267778
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.8	13.2
80	11.6	9.1	13.7





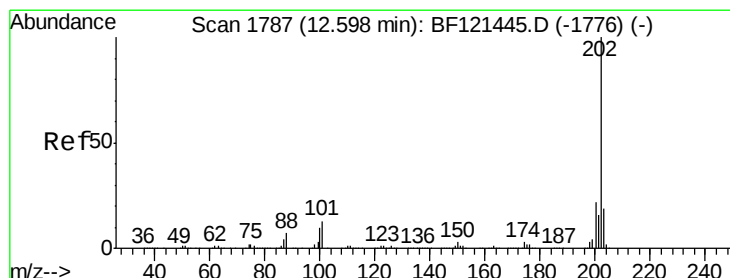
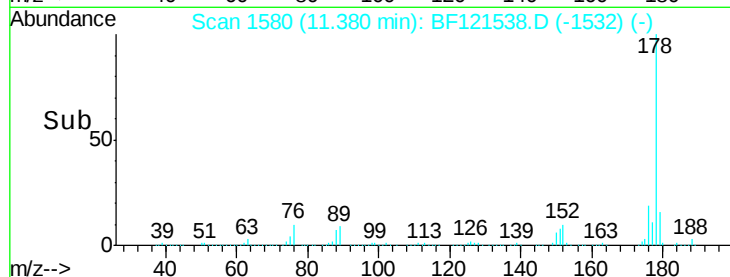
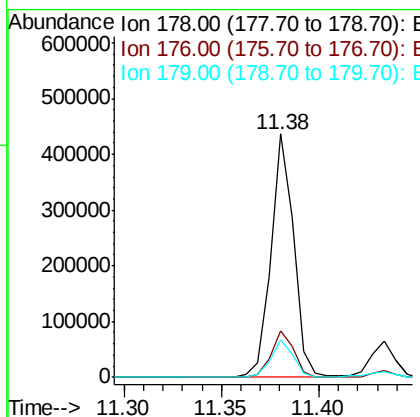
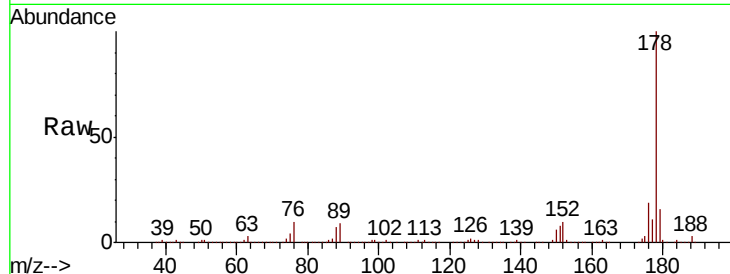
#71
Phenanthrene
Concen: 5.416 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Instrument :
BNA_F
ClientSampleId :
BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.0	25.4
179	15.6	13.2	19.8

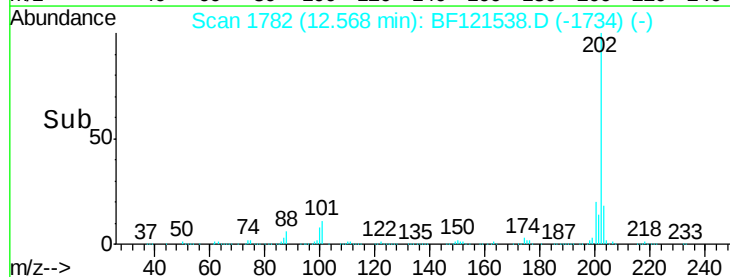
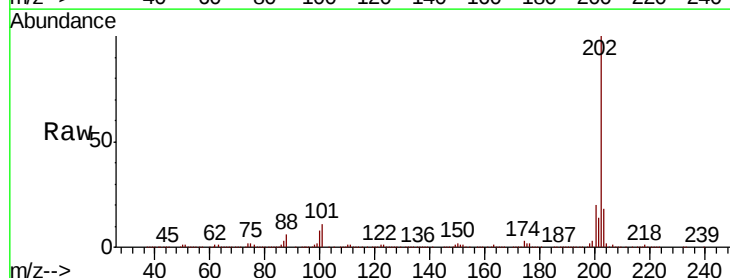
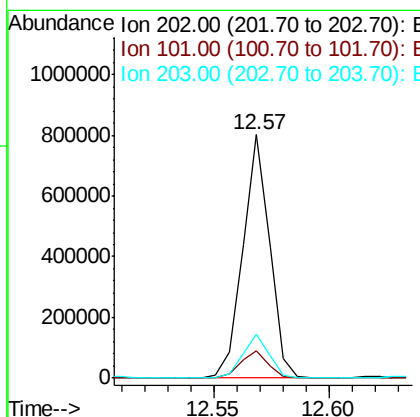
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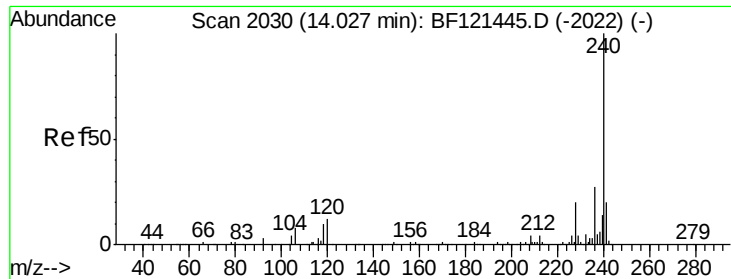
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#75
Fluoranthene
Concen: 9.234 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.6
203	17.9	0.0	38.5





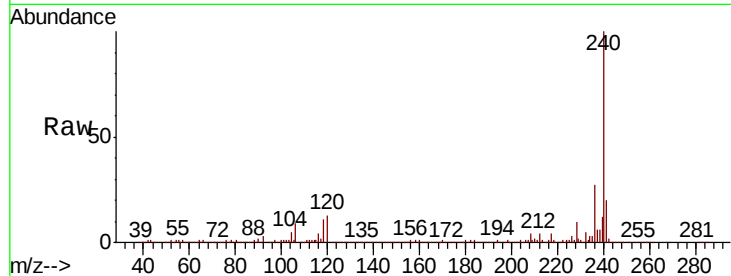
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Instrument :
BNA_F
ClientSampleId :
BKG-2-(0.0-0.5)

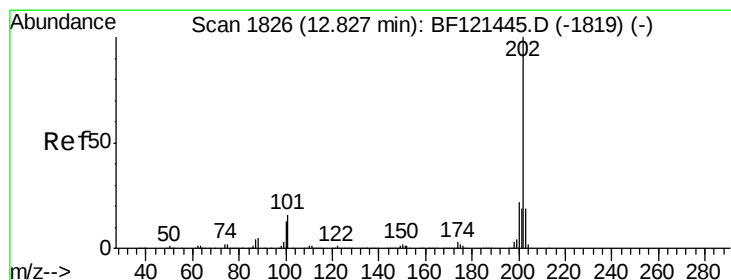
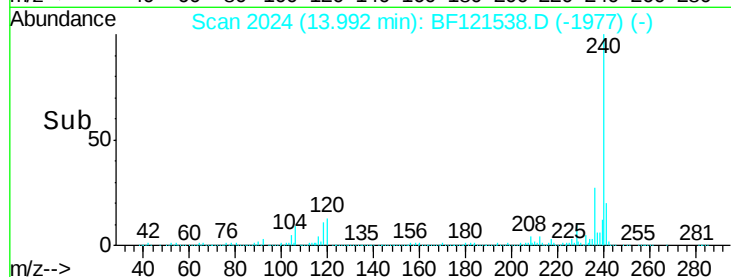
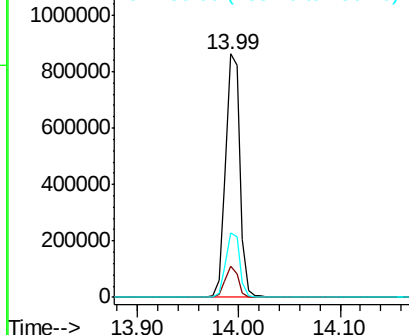
Tot Ion	Ratio	Resp	Lower	Upper
240	100	848715		
120	13.0	8.0	12.0#	
236	26.7	21.4	32.2	

Manual Integrations
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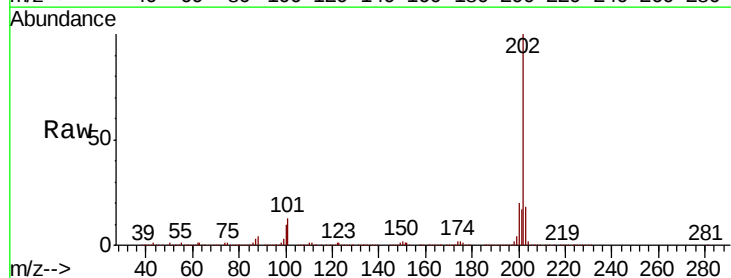


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

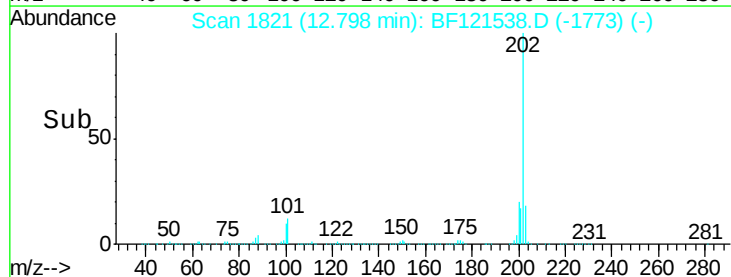
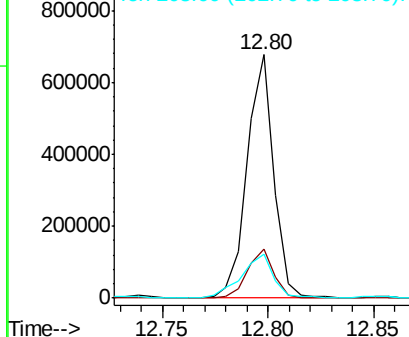


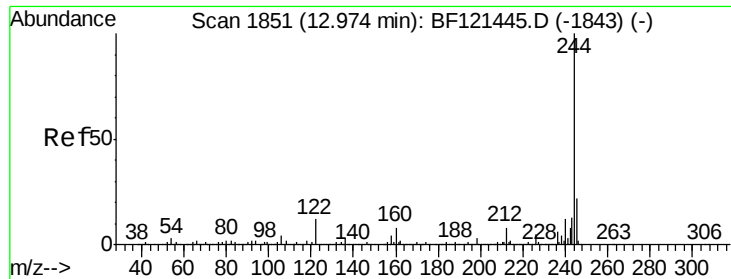
#78
Pyrene
Concen: 9.783 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	593009		
200	20.2	17.7	26.5	
203	17.8	15.0	22.4	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





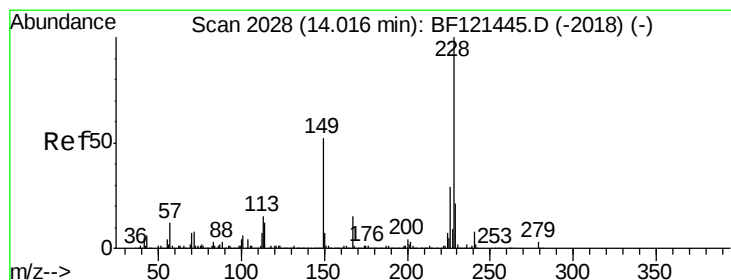
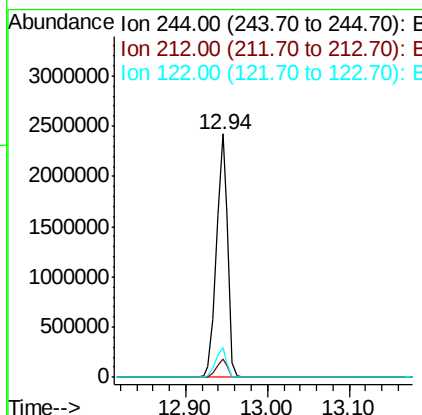
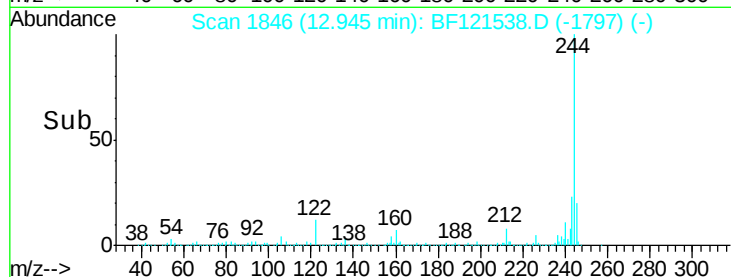
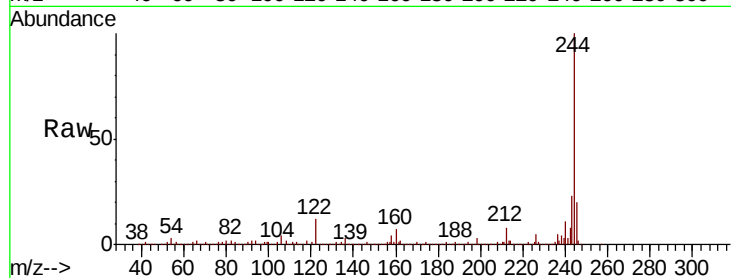
#79
 Terphenyl-d14
 Concen: 57.485 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.3	9.3	13.9

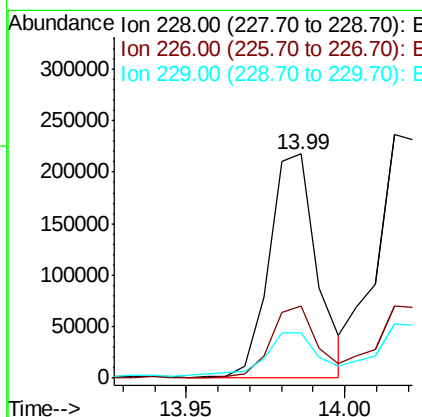
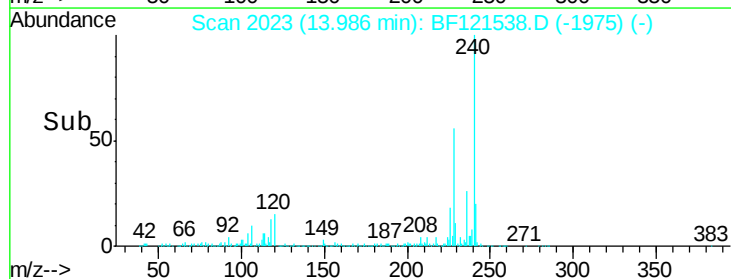
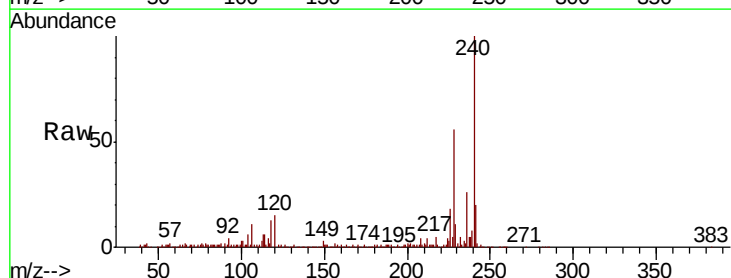
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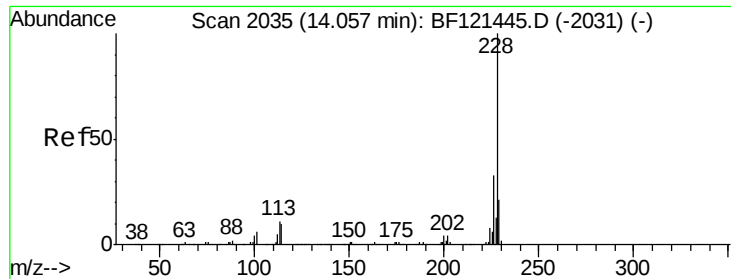
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#81
 Benzo(a)anthracene
 Concen: 4.376 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.3	34.9
229	20.1	16.4	24.6





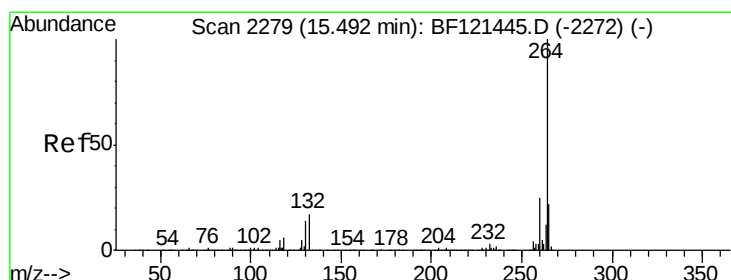
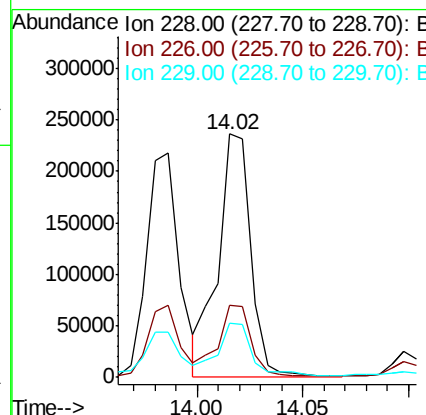
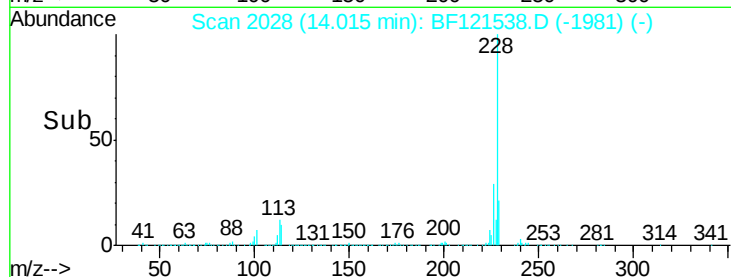
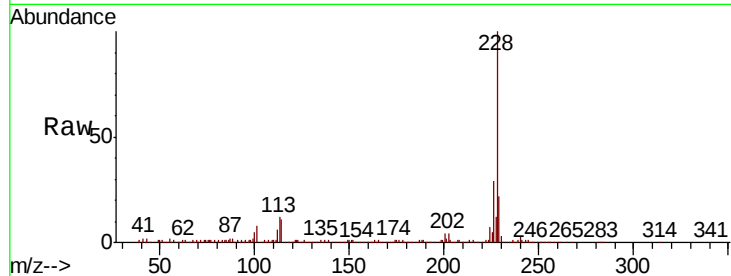
#83
Chrysene
Concen: 4.861 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Instrument :
BNA_F
ClientSampleId :
BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	26.5	39.7
229	22.2	17.1	25.7

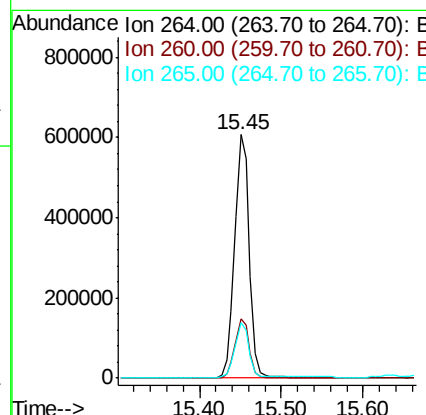
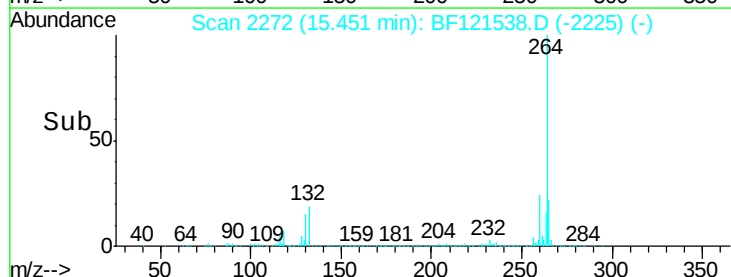
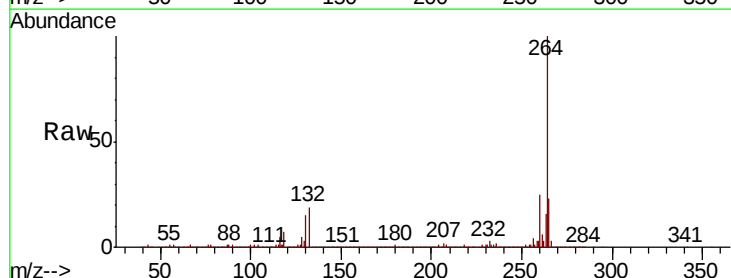
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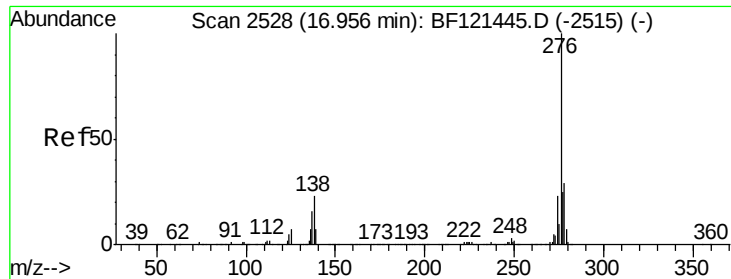
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	22.6	17.4	26.2





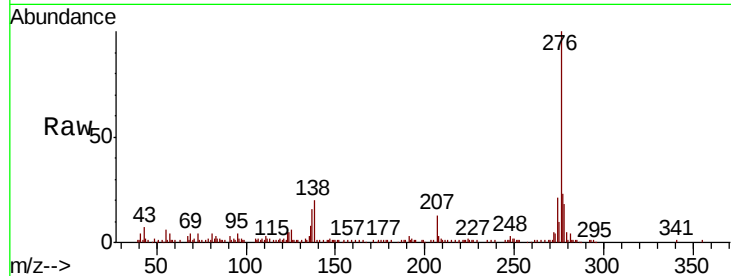
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.669 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.04 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Instrument :
 BNA_F
 ClientSampleId :
 BKG-2-(0.0-0.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	20.7	31.1#
277	24.6	20.4	30.6

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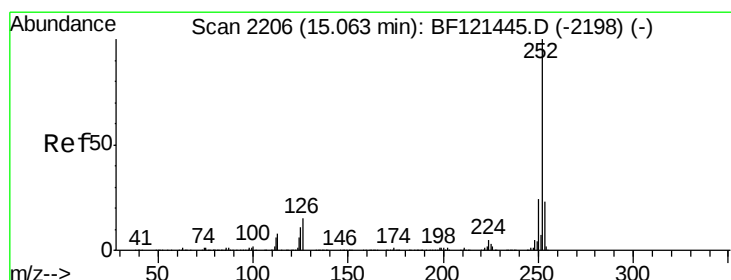
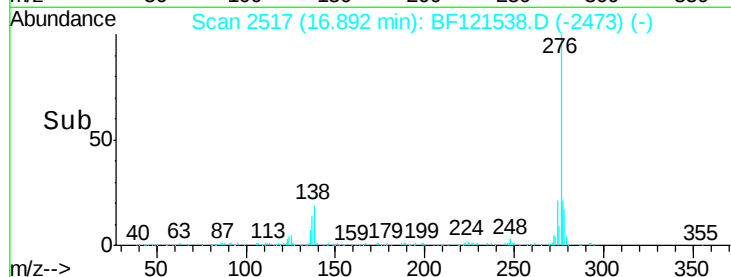
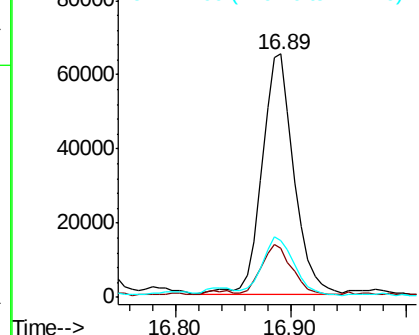


Abundance

Ion 276.00 (275.70 to 276.70): E

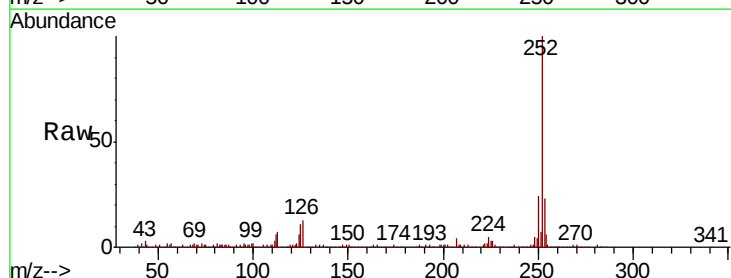
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 5.751 ng m
 RT: 15.03 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: BF121538.D
 Acq: 8 Sep 2020 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	11.2	8.2	12.2

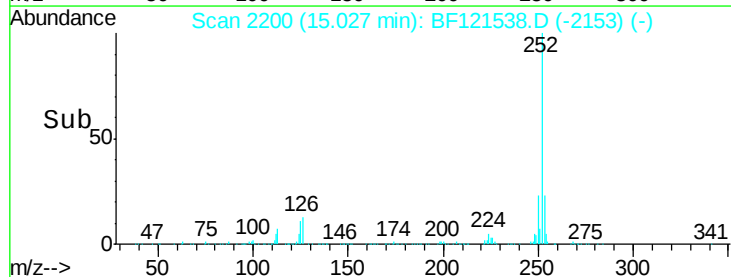
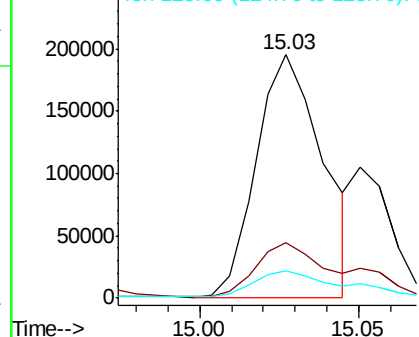


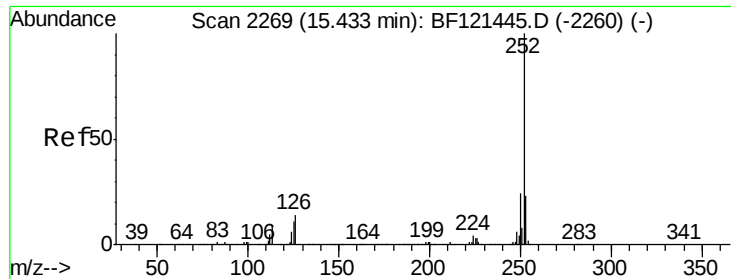
Abundance

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





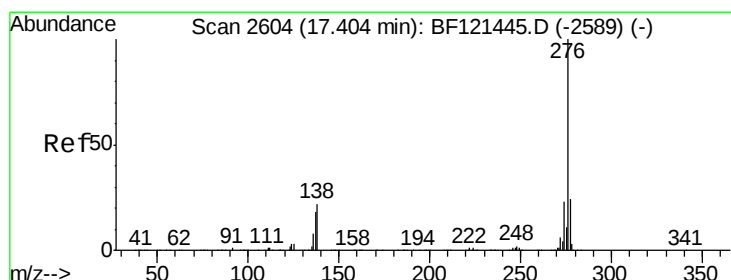
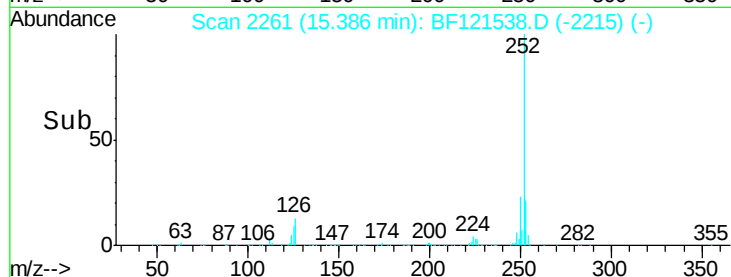
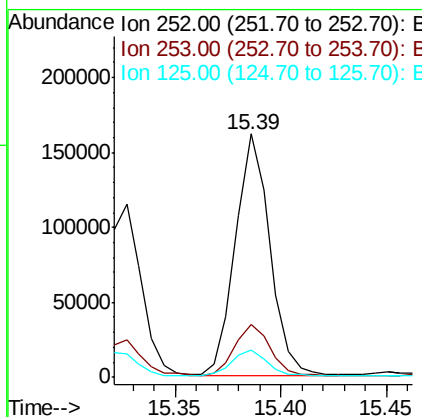
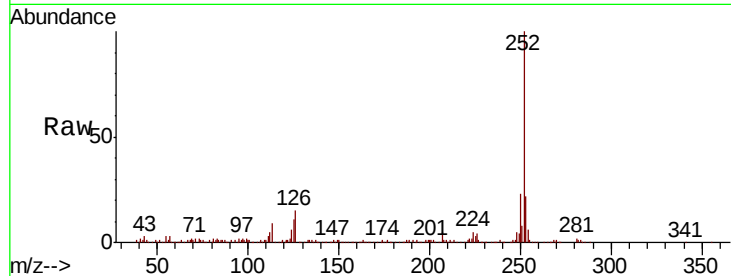
#90
Benzo(a)pyrene
Concen: 4.151 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.03 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Instrument :
BNA_F
ClientSampleId :
BKG-2-(0.0-0.5)

Tot Ion:	252	Resp:	184137
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.4	27.6
125	11.0	8.8	13.2

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#92
Benzo(g,h,i)perylene
Concen: 3.422 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.05 min
Lab File: BF121538.D
Acq: 8 Sep 2020 23:35

Tgt Ion:	276	Resp:	125883
Ion Ratio	Lower	Upper	
276	100		
277	22.1	19.3	28.9
138	19.9	17.8	26.6

