

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121356.D
 Acq On : 20 Aug 2020 19:49
 Operator : JU/CG
 Sample : L3504-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-081920

Manual Integrations
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Quant Time: Aug 21 01:46:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	134223	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	517671	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	260534	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	448343	20.00	ng	0.00
76) Chrysene-d12	13.85	240	348168	20.00	ng	0.00
86) Perylene-d12	15.26	264	331423	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	114885	14.03	ng	0.00
7) Phenol-d6	6.33	99	144116	13.79	ng	0.00
23) Nitrobenzene-d5	7.26	82	80784	8.83	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	33033	10.88	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	182866	0.64	ng	0.00
79) Terphenyl-d14	12.79	244	159547	8.95	ng	0.00
Target Compounds						
71) Phenanthrene	11.23	178	104890	4.520	ng	97
75) Fluoranthene	12.42	202	152332	6.048	ng	99
78) Pyrene	12.65	202	145059	5.546	ng	99
81) Benzo(a)anthracene	13.84	228	75458m	3.489	ng	
83) Chrysene	13.87	228	73140m	3.307	ng	
88) Benzo(b)fluoranthene	14.86	252	95838m	4.476	ng	
90) Benzo(a)pyrene	15.20	252	64056	3.462	ng	# 92
92) Benzo(g,h,i)perylene	17.03	276	34062	2.100	ng	# 91

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

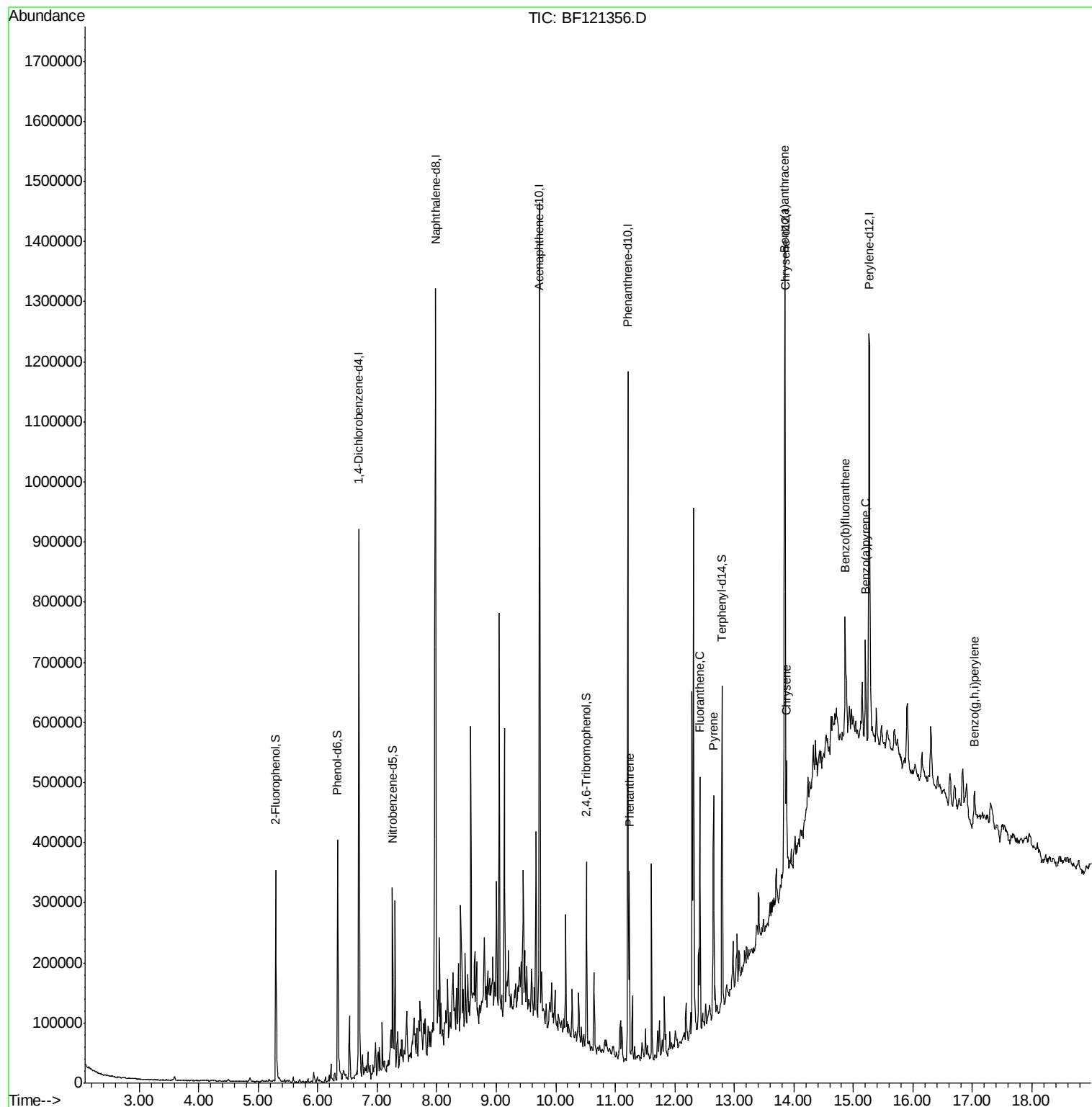
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121356.D
Acq On : 20 Aug 2020 19:49
Operator : JU/CG
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Misc :
ALS Vial : 23 Sample Multiplier: 1

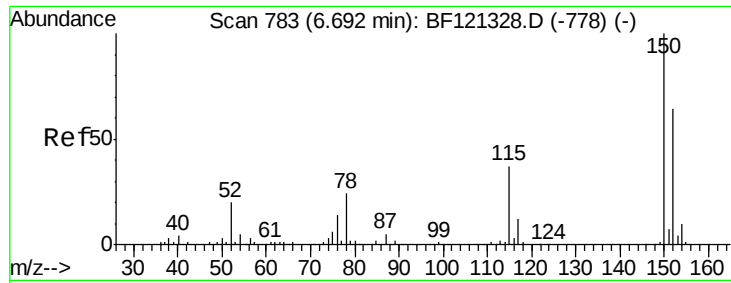
Instrument :
BNA_F
ClientSampleId :
EO-01-081920

Quant Time: Aug 21 01:46:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
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#1

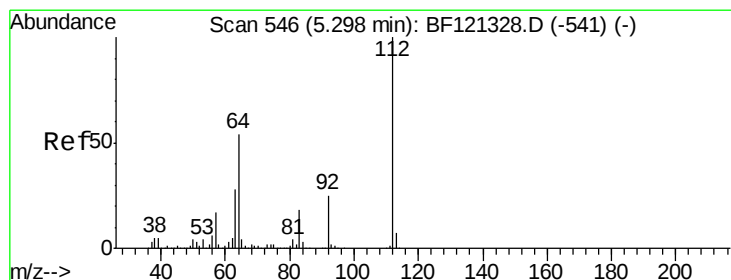
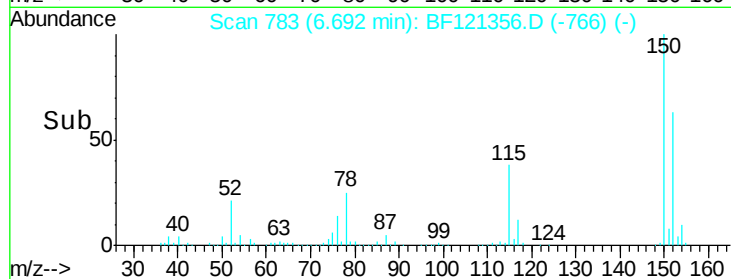
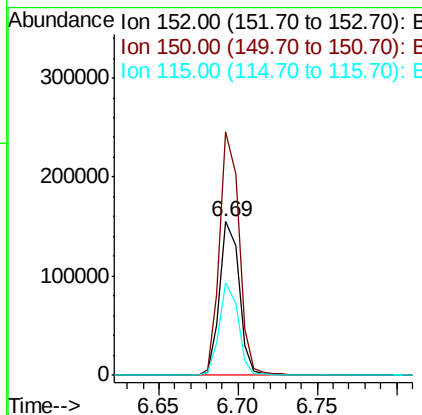
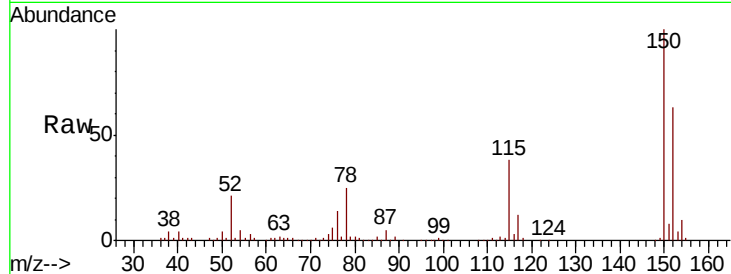
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Instrument :
BNA_F
ClientSampleId :
EO-01-081920

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.8	187.2
115	60.4	46.1	69.1

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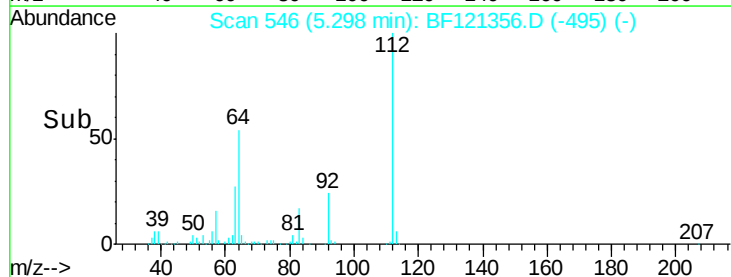
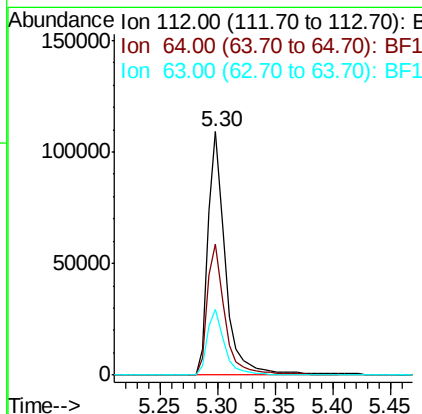
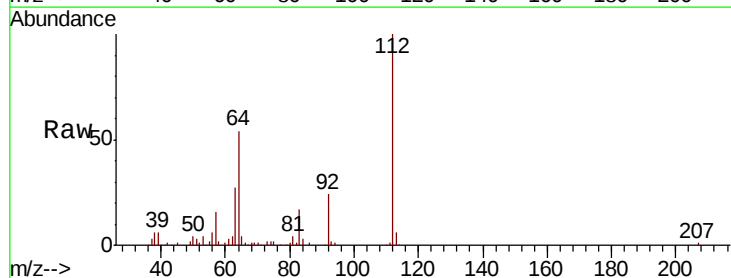
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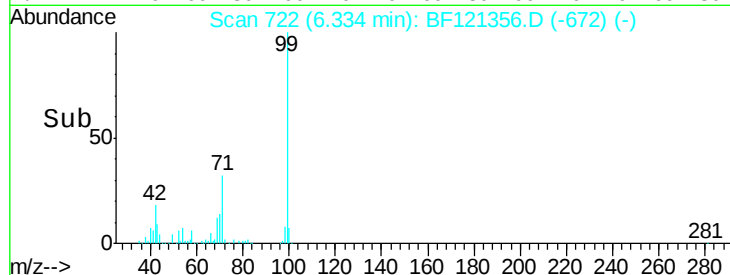
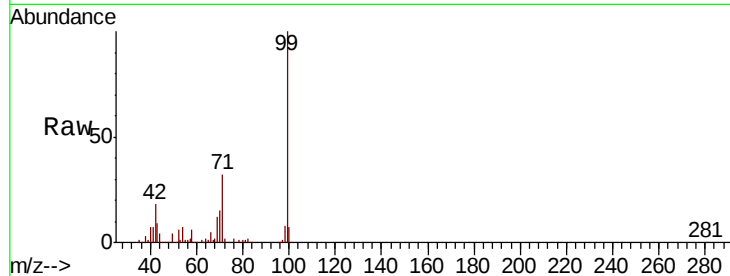
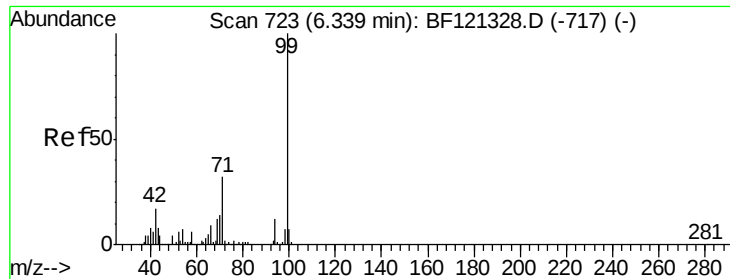


#5

2-Fluorophenol
Concen: 14.035 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	43.5	65.3
63	27.0	22.0	33.0





#7

Phenol-d6

Concen: 13.791 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		144116		
42	17.7	13.5	20.3		
71	32.5	25.2	37.8		

Instrument :

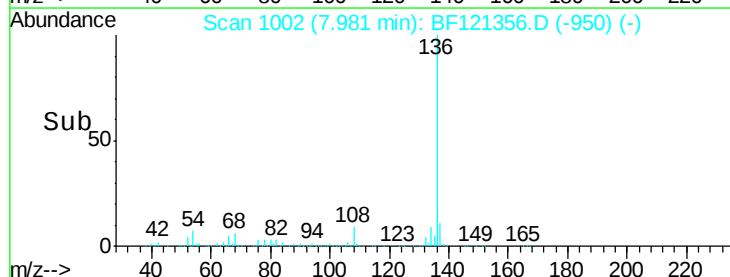
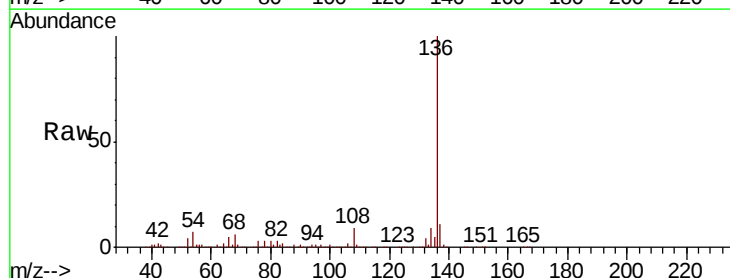
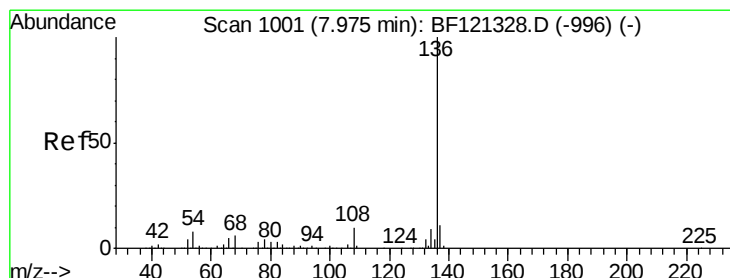
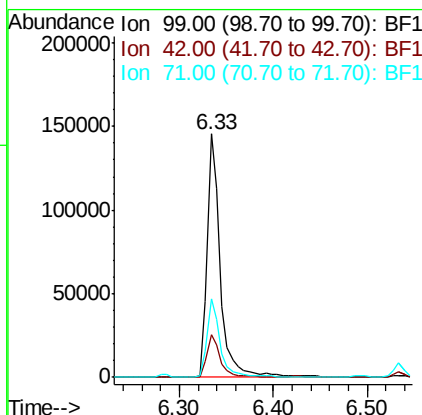
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

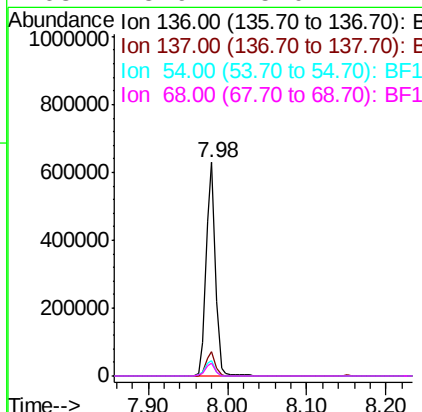
RT: 7.98 min Scan# 1002

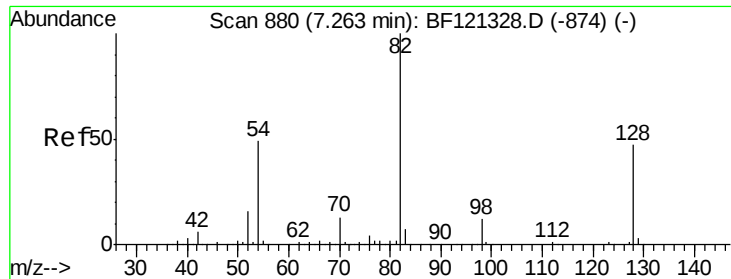
Delta R.T. 0.01 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		517671		
137	11.1	8.9	13.3		
54	7.1	6.1	9.1		
68	5.9	5.0	7.4		





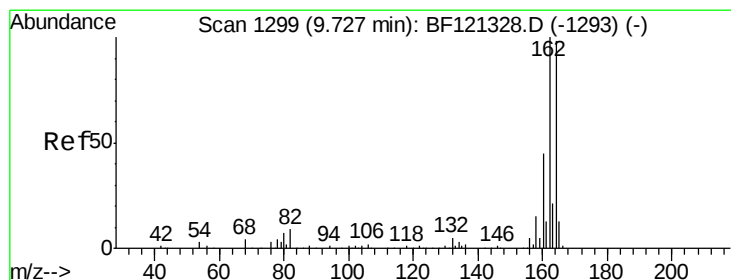
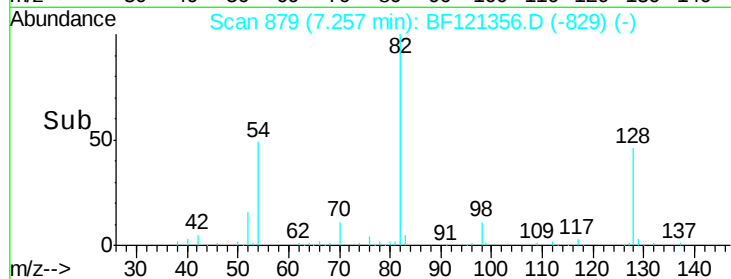
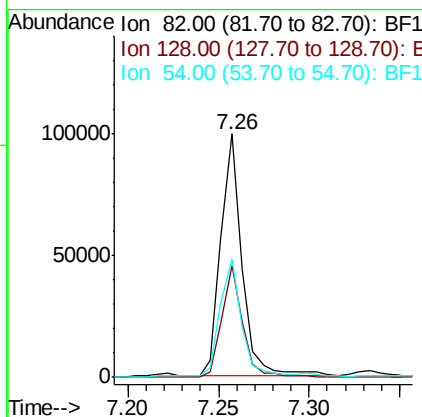
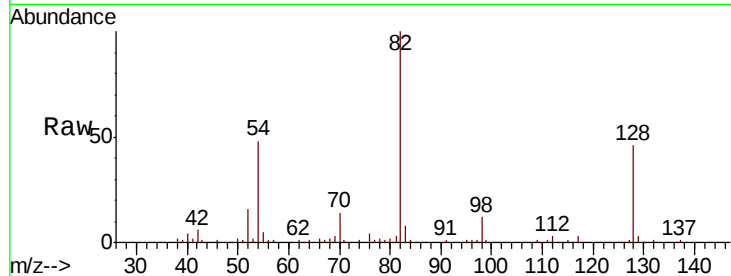
#23
 Nitrobenzene-d5
 Concen: 8.826 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121356.D
 Acq: 20 Aug 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-081920

Tot Ion	82	Resp	80784
Ion Ratio	Lower	Upper	
82	100		
128	45.7	37.9	56.9
54	48.5	39.0	58.4

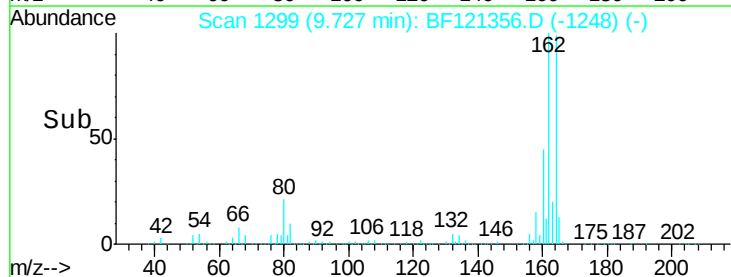
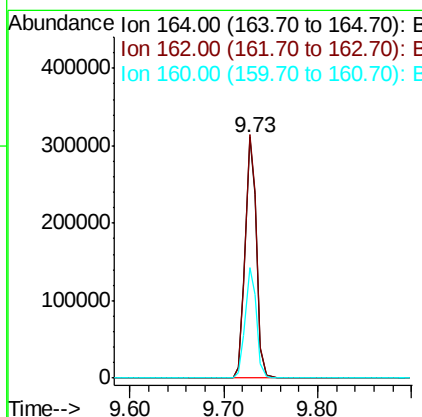
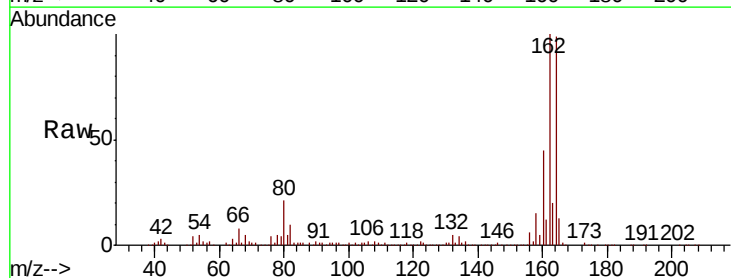
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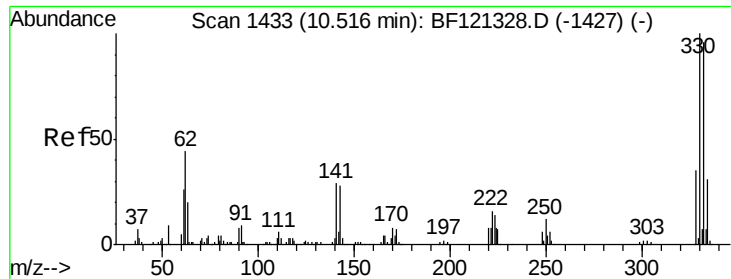
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF121356.D
 Acq: 20 Aug 2020 19:49

Tgt Ion	164	Resp	260534
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.7	122.5
160	45.6	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 10.880 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Instrument :

BNA_F

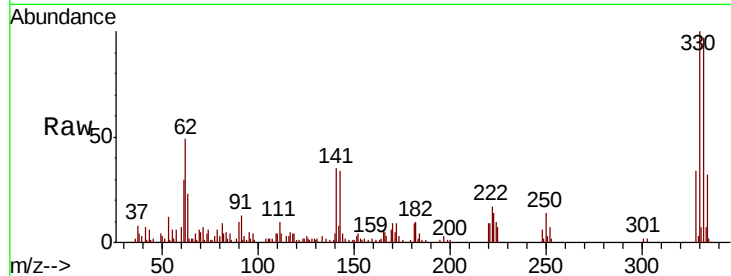
ClientSampleId :

EO-01-081920

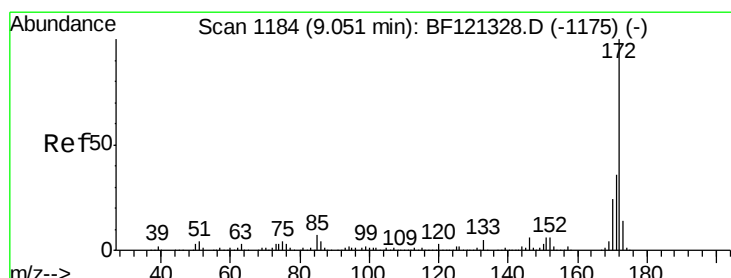
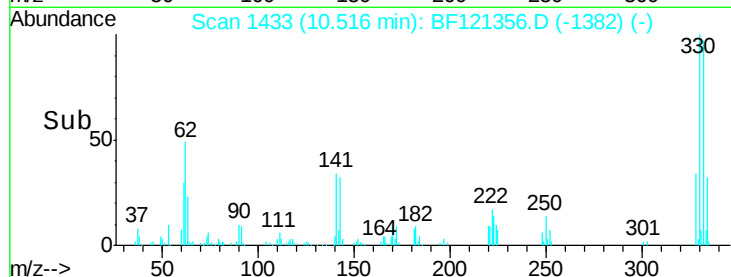
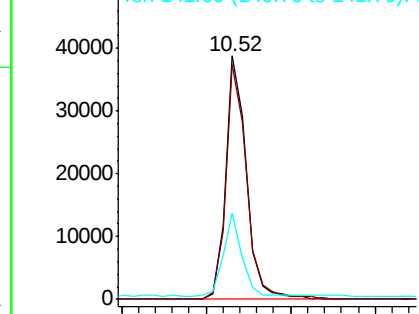
Tot Ion:	330	Resp:	33033
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.9	115.3
141	30.3	22.8	34.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 0.645 ng

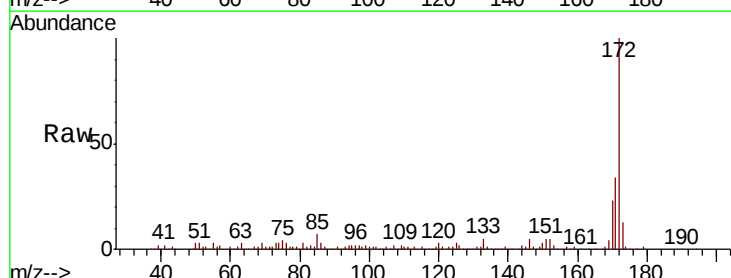
RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

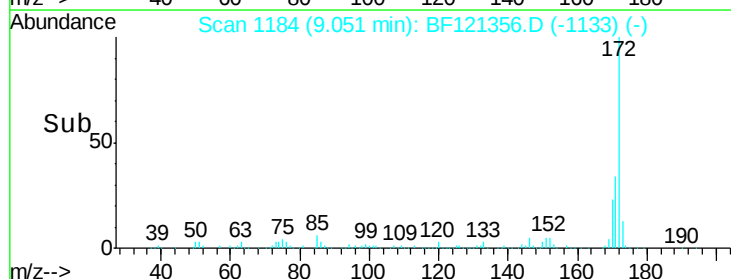
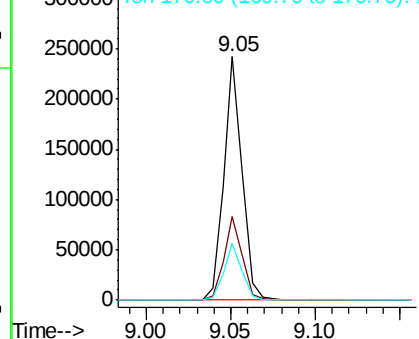
Lab File: BF121356.D

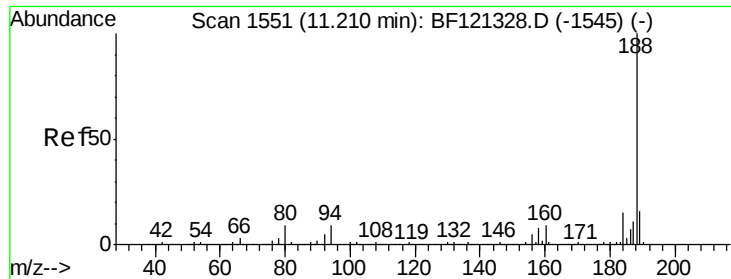
Acq: 20 Aug 2020 19:49

Tgt Ion:	172	Resp:	182866
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.0	43.6
170	23.3	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





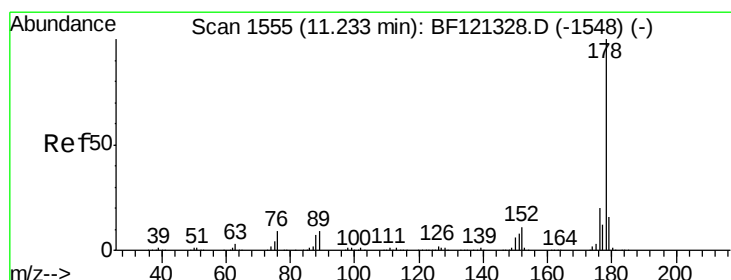
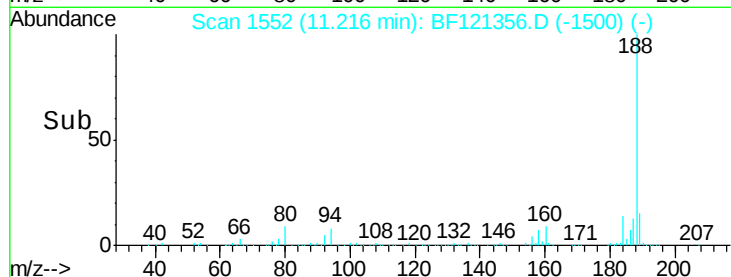
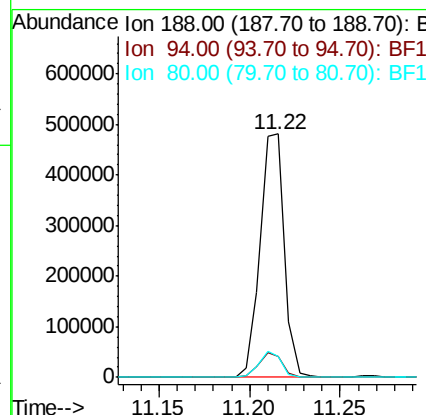
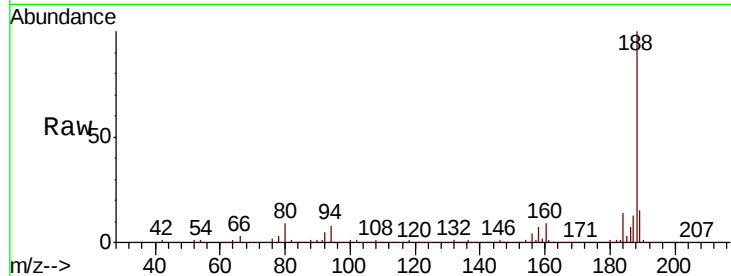
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Instrument :
BNA_F
ClientSampleId :
EO-01-081920

Tot Ion	Ratio	Resp	Lower	Upper
188	100	448343		
94	8.5	7.2	10.8	
80	8.6	7.4	11.0	

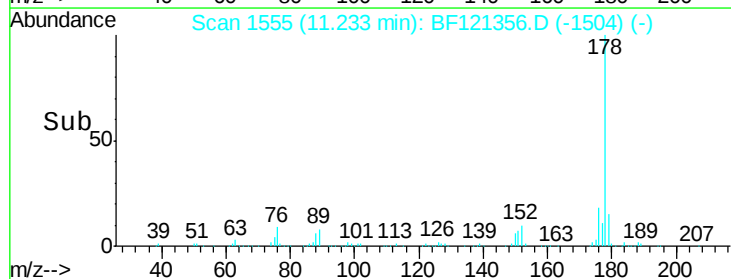
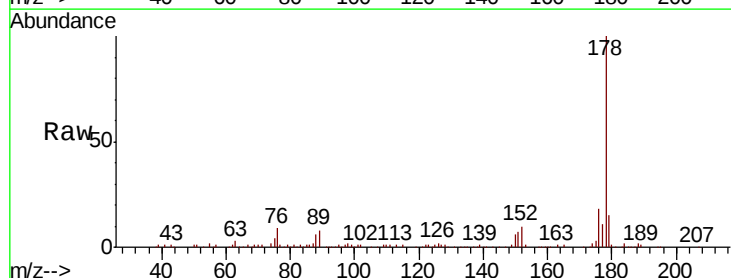
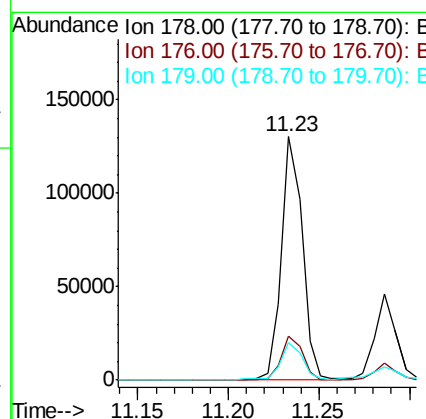
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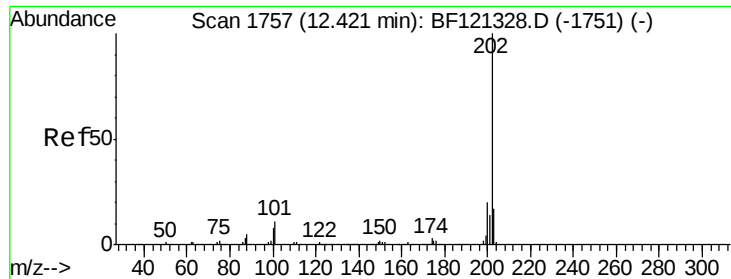
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#71
Phenanthrene
Concen: 4.520 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	104890		
176	18.2	16.0	24.0	
179	15.3	12.8	19.2	





#75

Fluoranthene

Concen: 6.048 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Instrument :

BNA_F

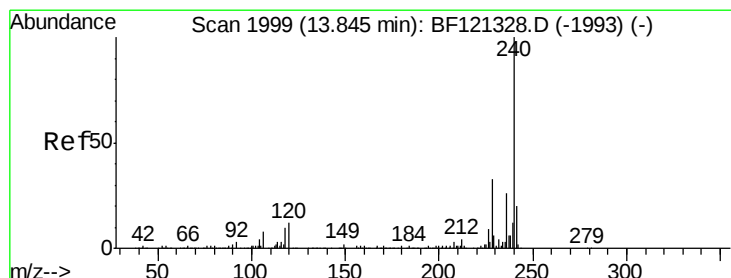
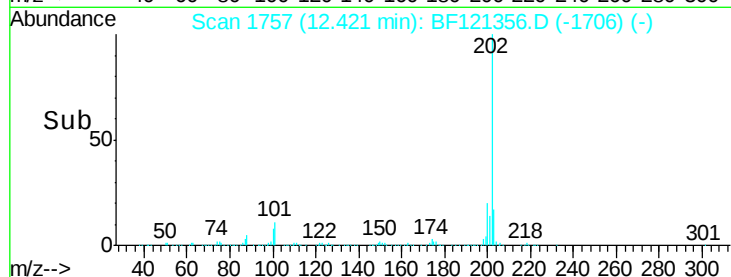
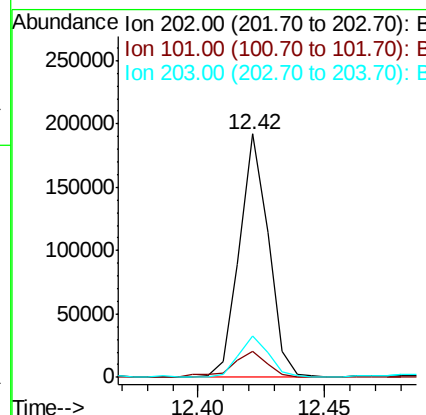
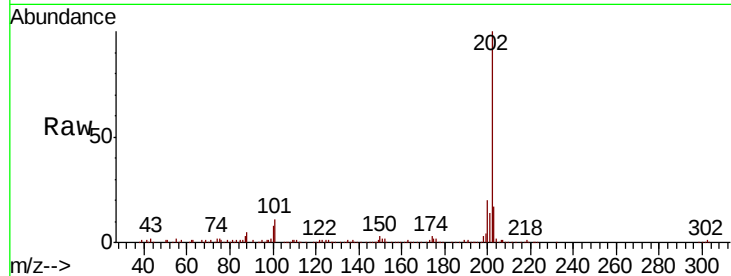
ClientSampleId :

EO-01-081920

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		152332		
101	10.9	0.0	30.6		
203	17.0	0.0	37.5		

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#76

Chrysene-d12

Concen: 20.000 ng

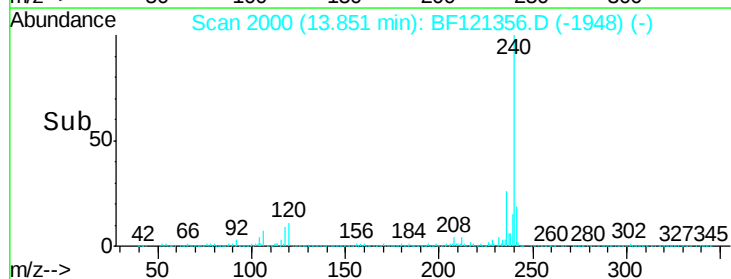
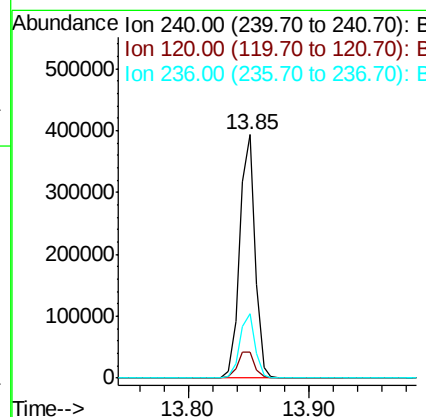
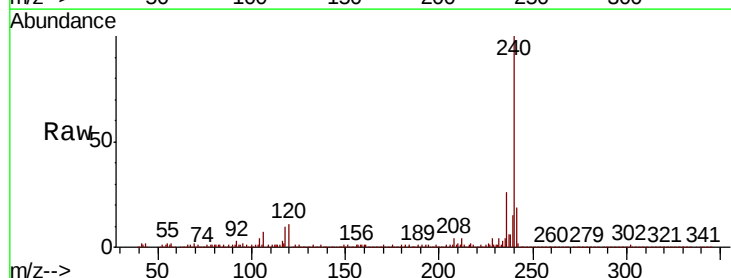
RT: 13.85 min Scan# 2000

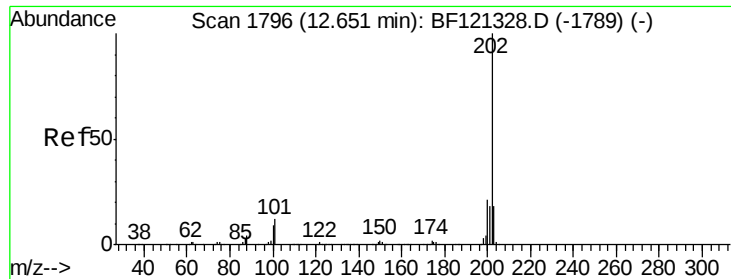
Delta R.T. 0.01 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		348168		
120	10.8	9.6	14.4		
236	26.4	20.6	31.0		





#78

Pvrene

Concen: 5.546 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Instrument :

BNA_F

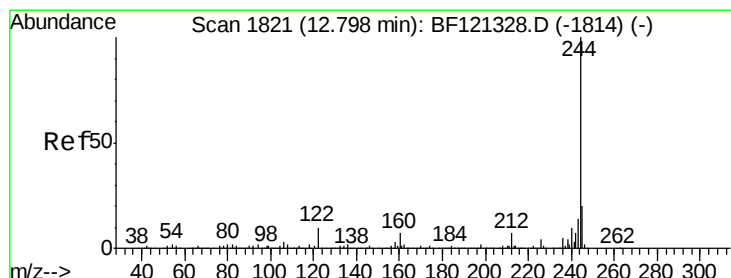
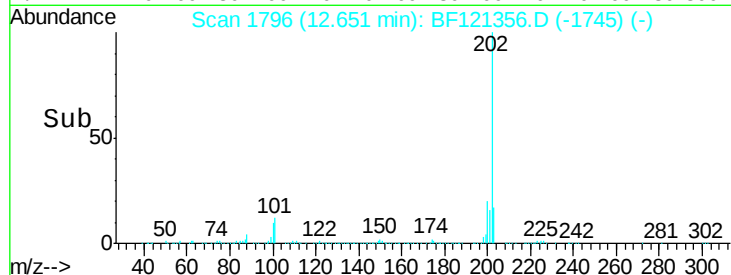
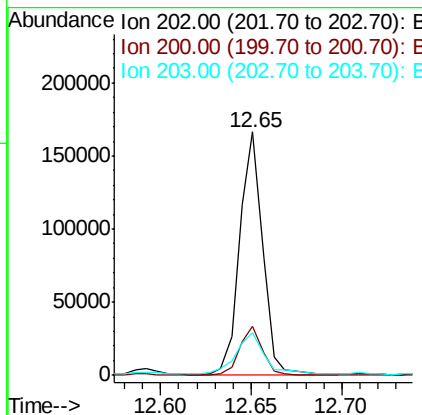
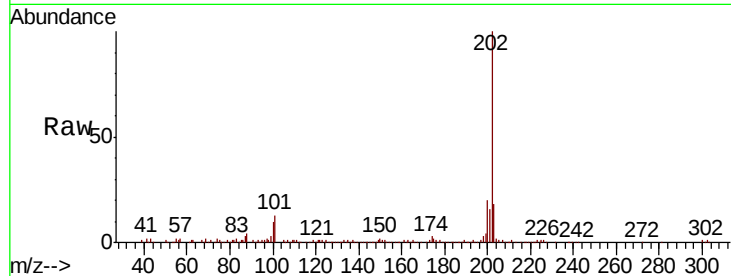
ClientSampleId :

EO-01-081920

Tot Ion:	202	Resp:	145059
Ion Ratio		Lower	Upper
202	100		
200	20.0	16.6	24.8
203	17.7	14.2	21.2

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#79

Terphenyl-d14

Concen: 8.955 ng

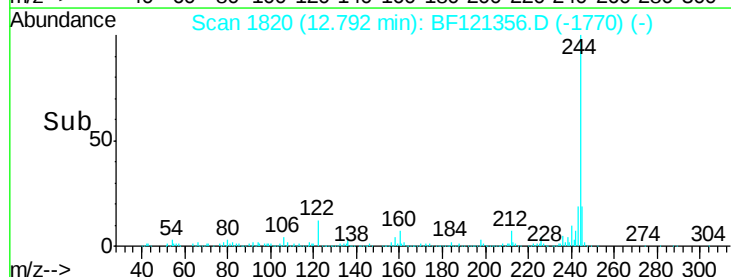
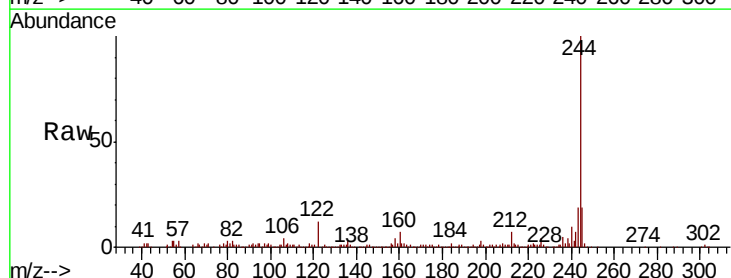
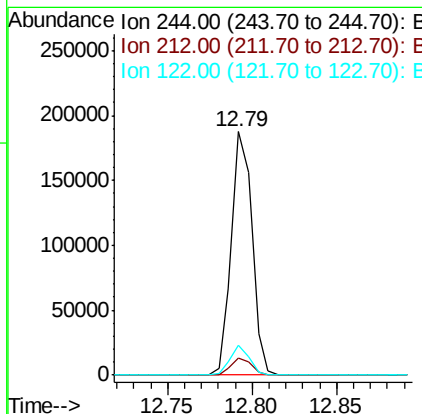
RT: 12.79 min Scan# 1820

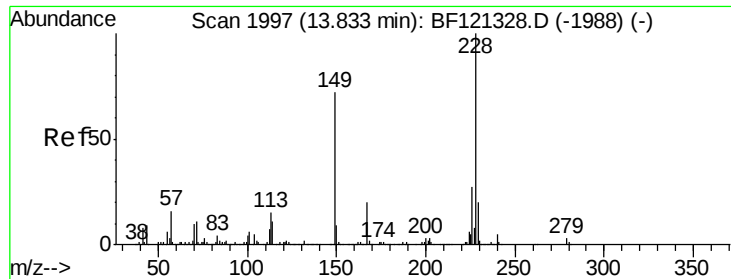
Delta R.T. -0.01 min

Lab File: BF121356.D

Acq: 20 Aug 2020 19:49

Tgt Ion:	244	Resp:	159547
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.3	7.8	11.8#





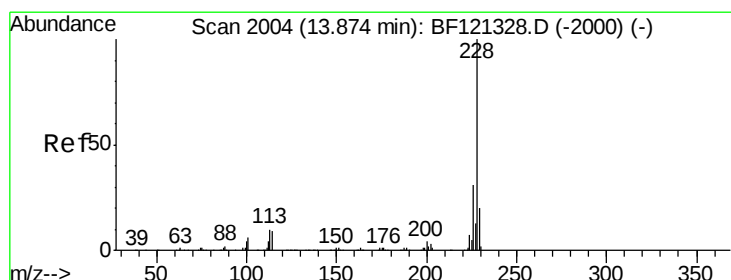
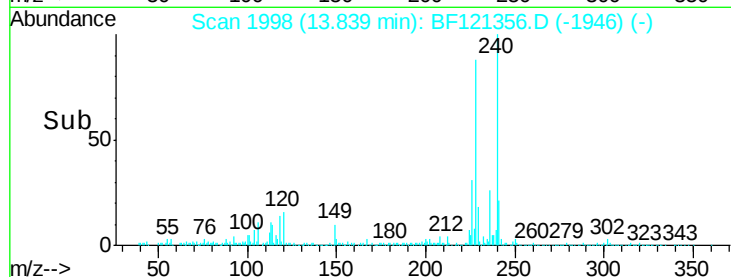
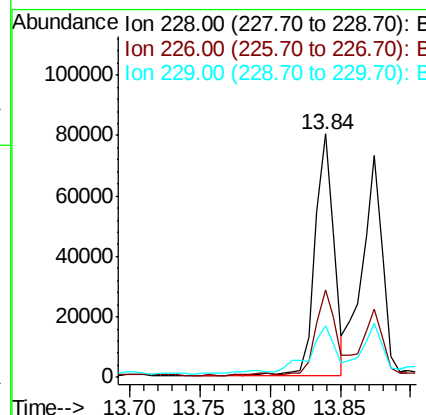
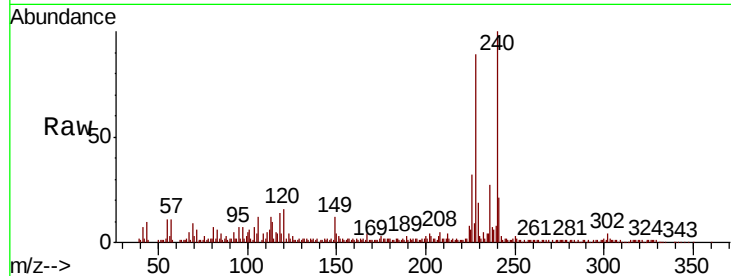
#81
Benzo(a)anthracene
Concen: 3.489 ng m
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Instrument :
BNA_F
ClientSampleId :
EO-01-081920

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	21.8	32.6#
229	21.2	15.8	23.8

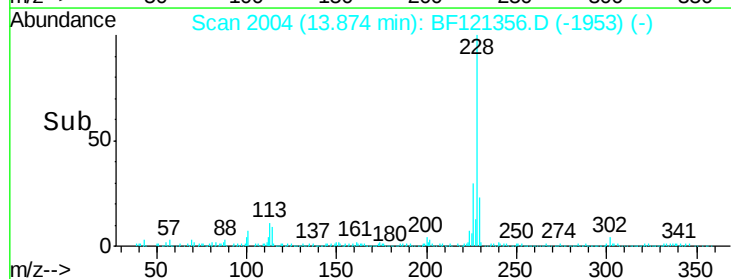
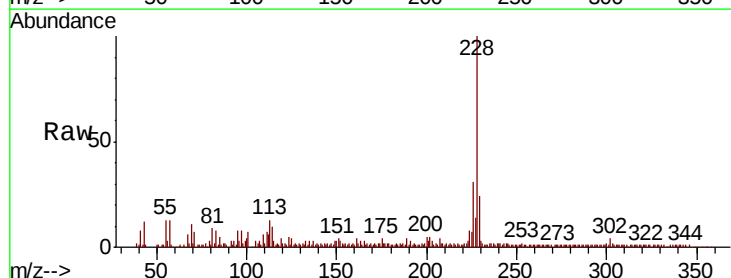
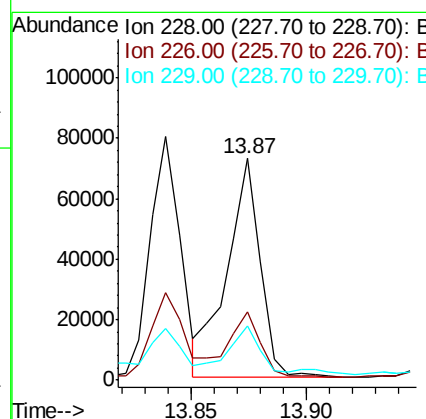
Manual Integrations
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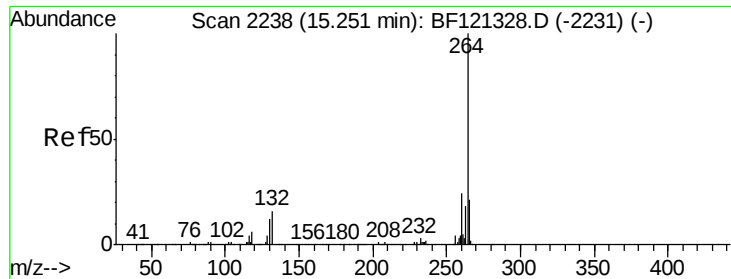
mohammad
8/21/2020 12:50:09 PM



#83
Chrysene
Concen: 3.307 ng m
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	36.8
229	24.2	15.9	23.9#





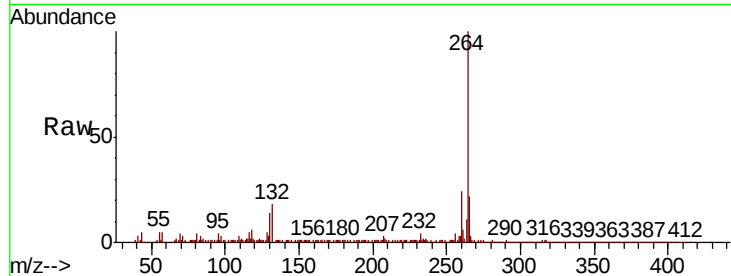
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Instrument :
BNA_F
ClientSampleId :
EO-01-081920

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.1	25.7

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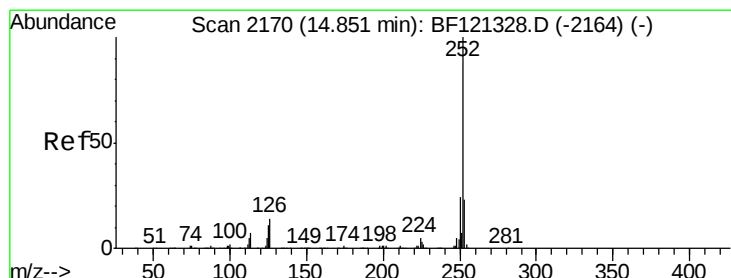
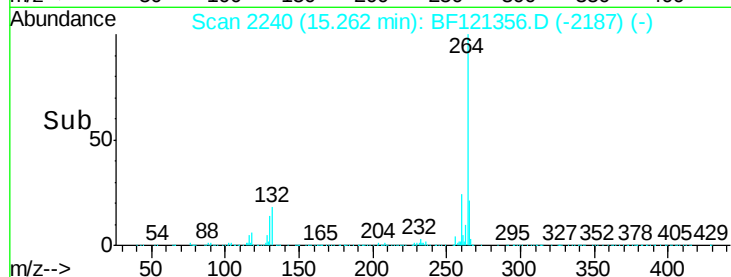
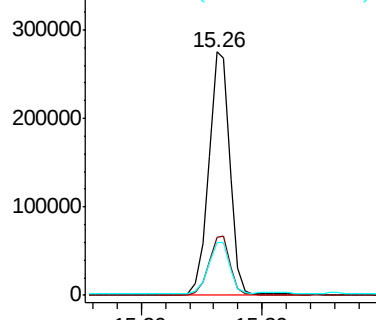


Abundance

Ion 264.00 (263.70 to 264.70): E

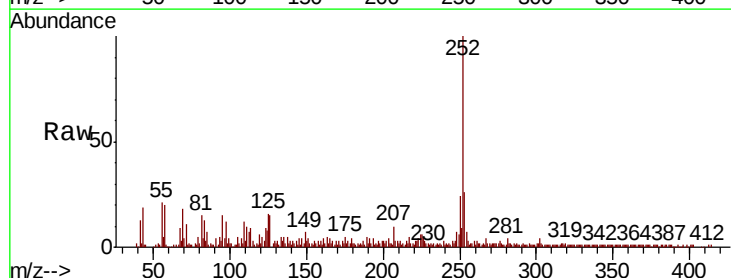
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 4.476 ng m
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	16.4	8.6	12.8

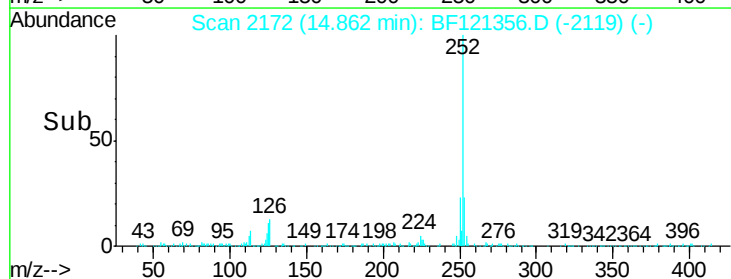
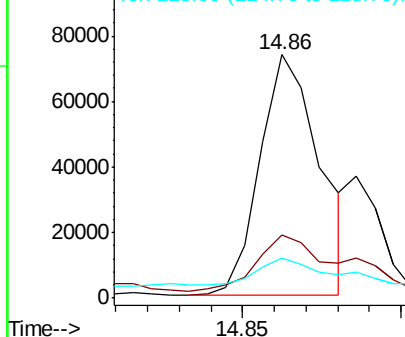


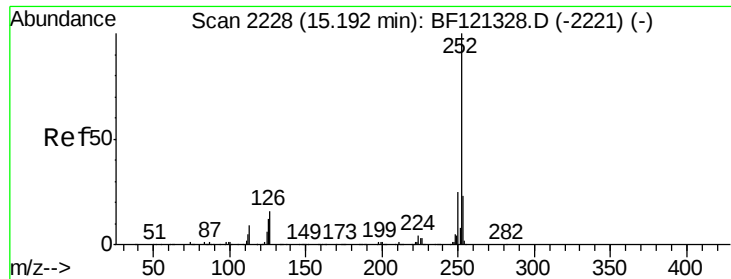
Abundance

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





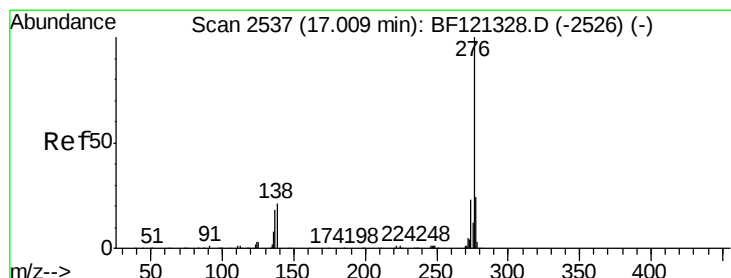
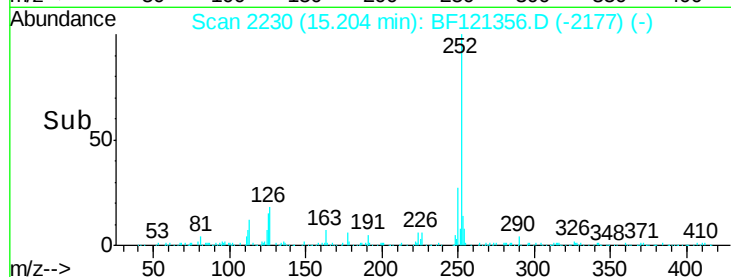
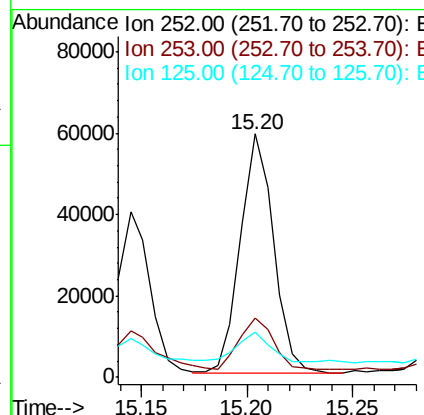
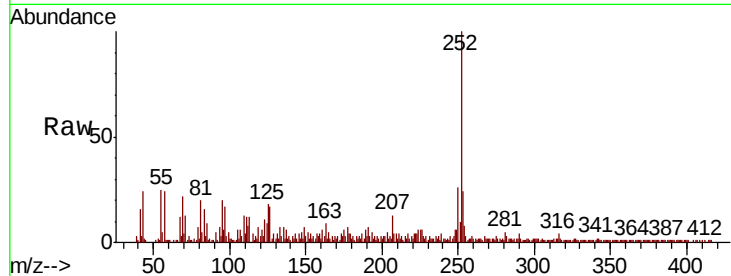
#90
Benzo(a)pyrene
Concen: 3.462 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Instrument :
BNA_F
ClientSampleId :
EO-01-081920

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	18.4	9.4	14.0

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#92
Benzo(g,h,i)perylene
Concen: 2.100 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF121356.D
Acq: 20 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.3	28.9
138	23.8	16.8	25.2

