

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
 Data File : BF120363.D
 Acq On : 19 May 2020 14:54
 Operator : MA/SJ
 Sample : L2686-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Manual Integrations
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Quant Time: May 19 15:32:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 13:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	272411	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1116687	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	540402	20.00	ng	0.00
64) Phenanthrene-d10	11.12	188	969126	20.00	ng	0.00
76) Chrysene-d12	13.76	240	513322	20.00	ng	-0.01
87) Perylene-d12	15.16	264	589265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1098131	78.43	ng	0.00
7) Phenol-d6	6.25	99	1501680	84.82	ng	0.00
23) Nitrobenzene-d5	7.16	82	1109058	68.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.43	330	376655	85.48	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2001487	76.09	ng	0.00
79) Terphenyl-d14	12.71	244	1773944	76.35	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.49	152	458898	10.58	ng	98
50) Dimethylphthalate	9.36	163	256029	7.49	ng	98
71) Phenanthrene	11.15	178	644988	15.84	ng	98
72) Anthracene	11.19	178	210498	4.83	ng	97
75) Fluoranthene	12.34	202	2365493	54.19	ng	98
78) Pyrene	12.56	202	2139927	58.48	ng	99
81) Benzo(a)anthracene	13.76	228	1204319m	44.48	ng	
83) Chrysene	13.79	228	1397344	48.06	ng	99
84) Bis(2-ethylhexyl)phthalate	13.75	149	75843	3.54	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	1043632	39.55	ng	94
88) Benzo(b)fluoranthene	14.77	252	2028864m	63.05	ng	
89) Benzo(k)fluoranthene	14.80	252	538145m	19.30	ng	
90) Benzo(a)pyrene	15.10	252	1212512	42.01	ng	99
91) Dibenzo(a,h)anthracene	16.49	278	306130m	11.97	ng	
92) Benzo(g,h,i)perylene	16.88	276	961835	37.31	ng	99

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

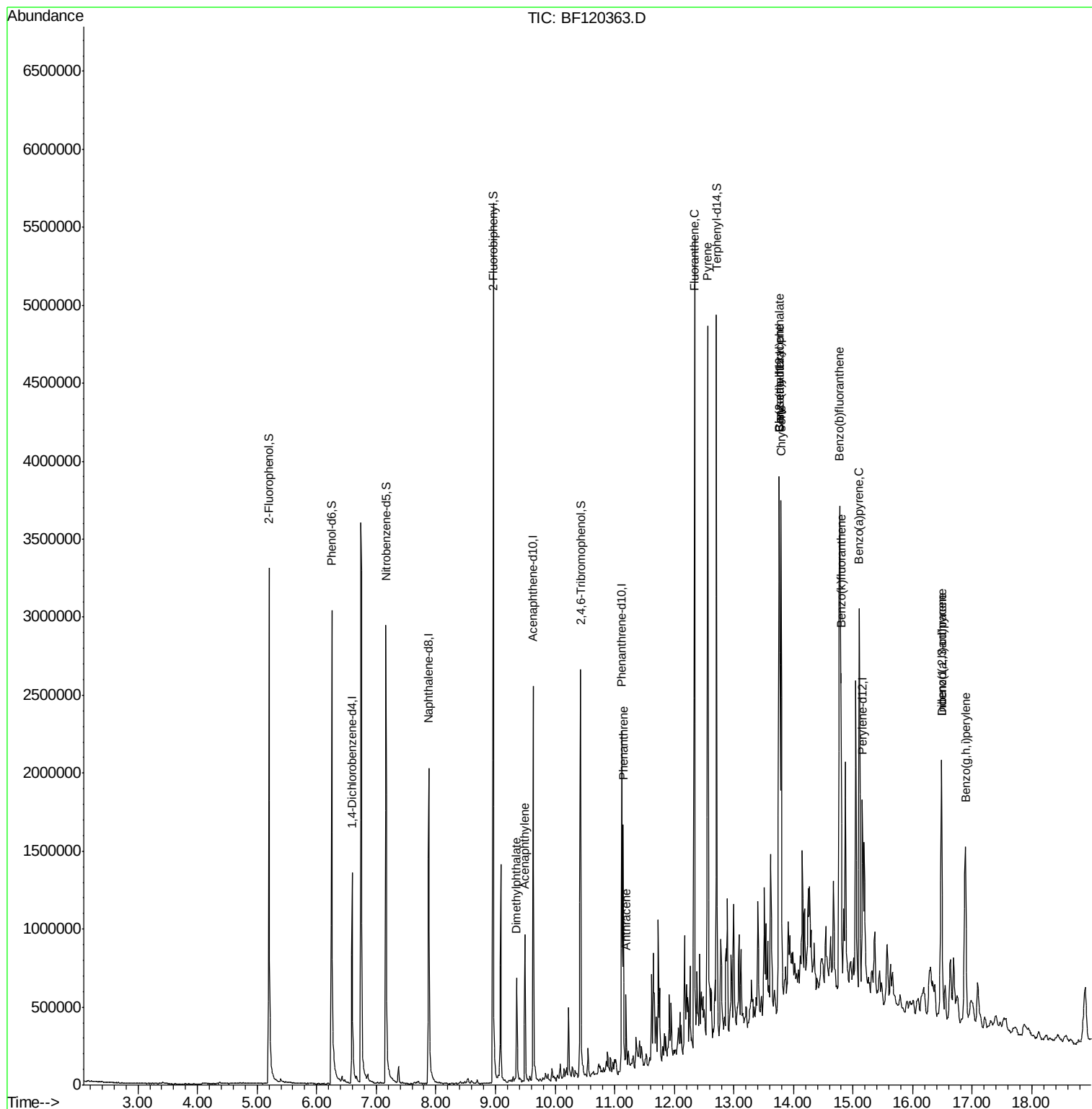
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
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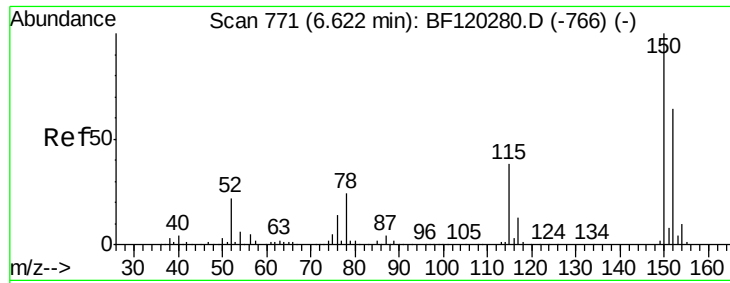
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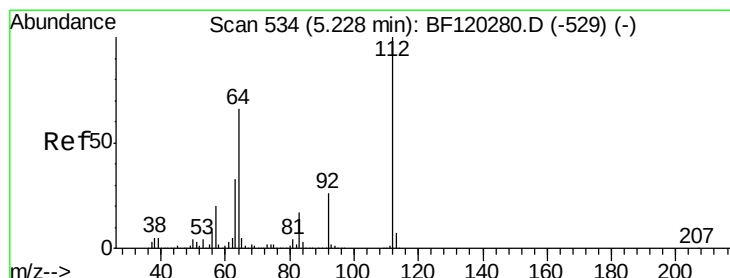
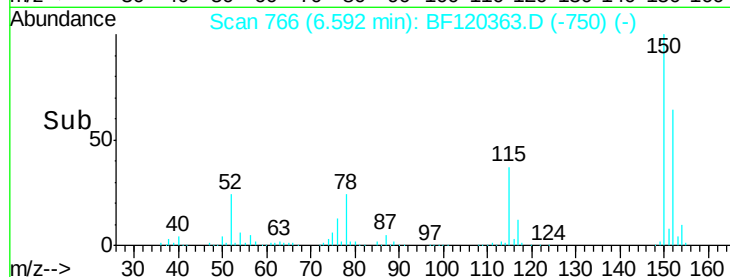
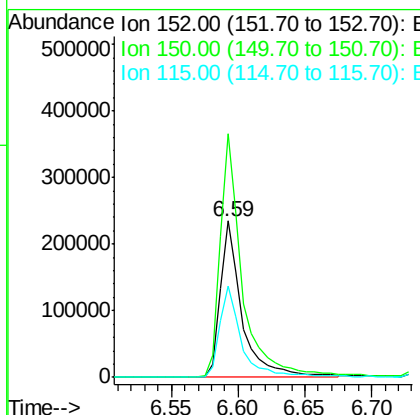
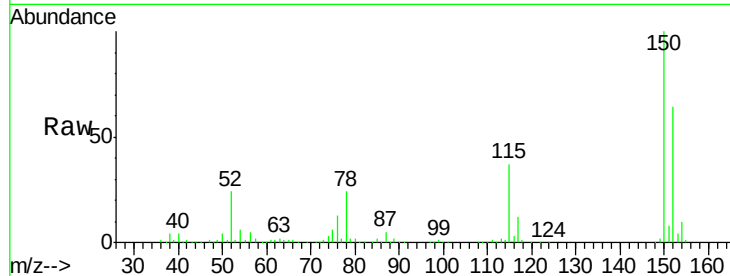
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF120363.D
 Acq: 19 May 2020 14:54

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	272411		
150	156.1	126.2	189.2	
115	58.5	47.9	71.9	

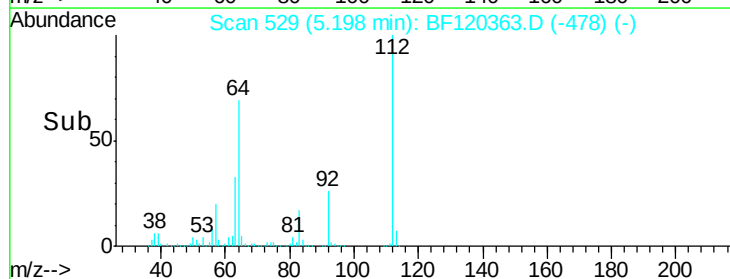
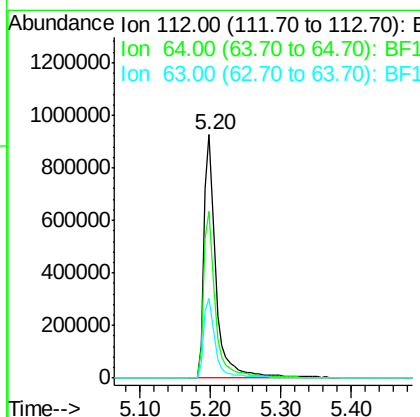
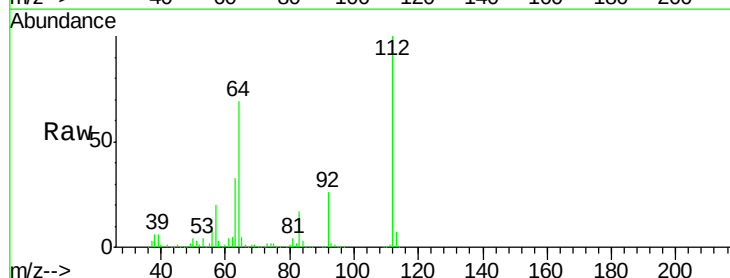
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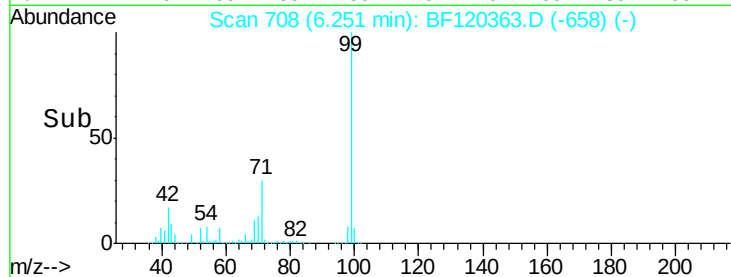
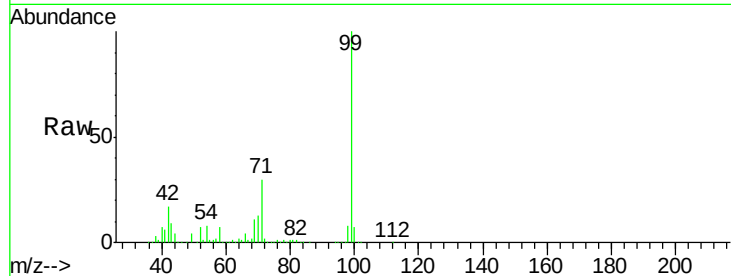
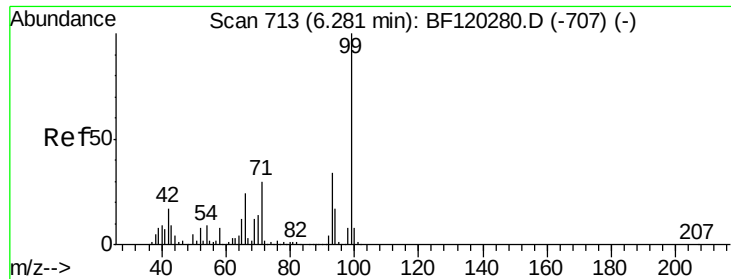
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#5
 2-Fluorophenol
 Concen: 78.43 ng
 RT: 5.20 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF120363.D
 Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1098131		
64	68.5	52.7	79.1	
63	32.9	26.2	39.4	





#7

Phenol-d6

Concen: 84.82 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Tgt Ion: 99 Resp: 1501680

Ion Ratio Lower Upper

99 100

42 17.5 13.6 20.4

71 29.7 24.2 36.4

Instrument :

BNA_F

ClientSampleId :

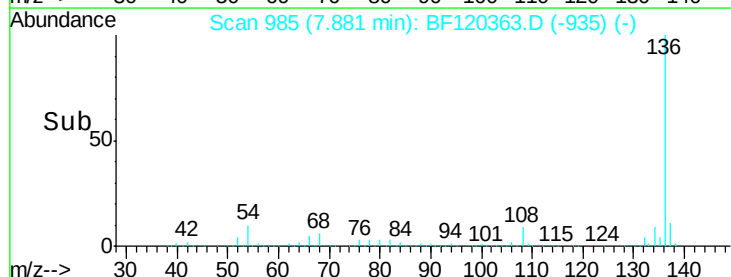
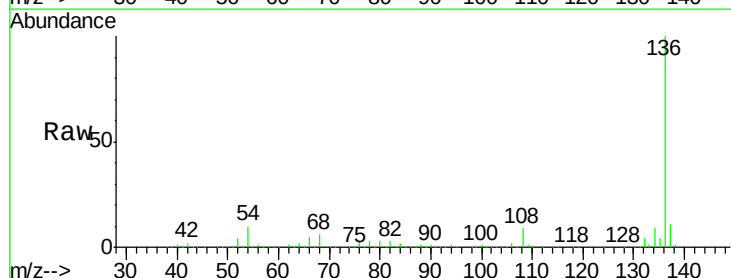
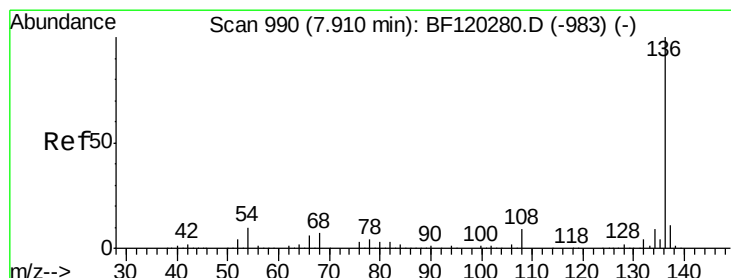
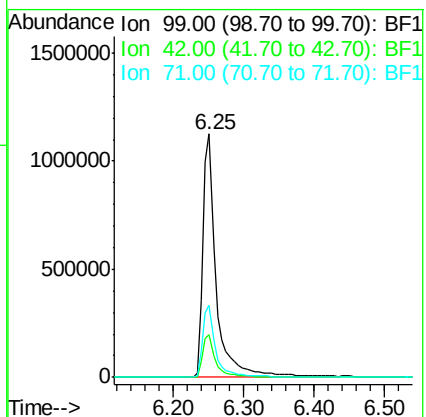
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Tgt Ion: 136 Resp: 1116687

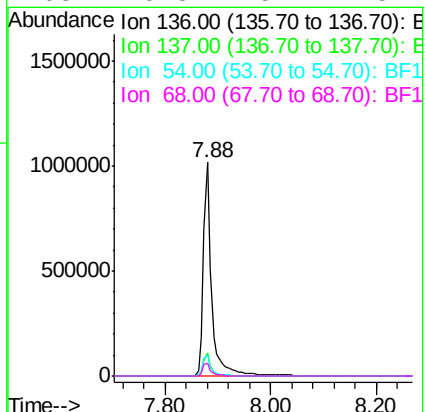
Ion Ratio Lower Upper

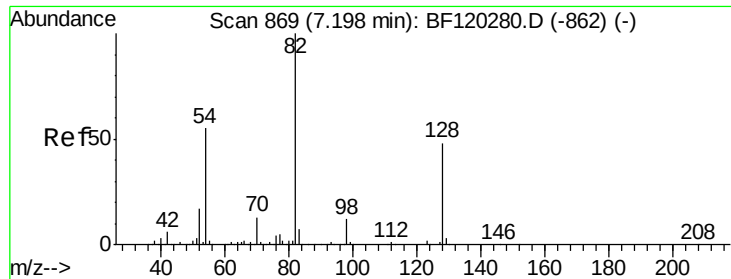
136 100

137 10.8 9.1 13.7

54 9.7 7.9 11.9

68 6.3 5.4 8.2





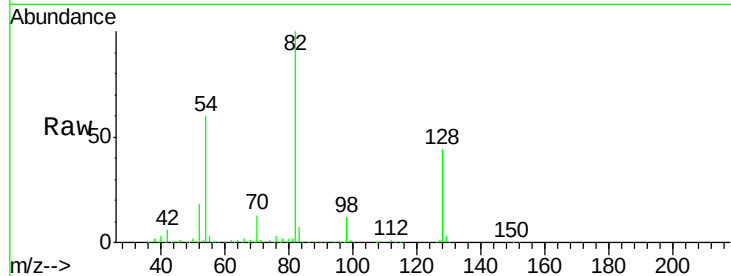
#23
 Nitrobenzene-d5
 Concen: 68.00 ng
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: BF120363.D
 Acq: 19 May 2020 14:54

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

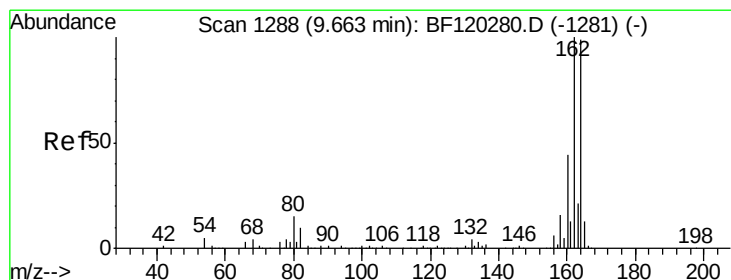
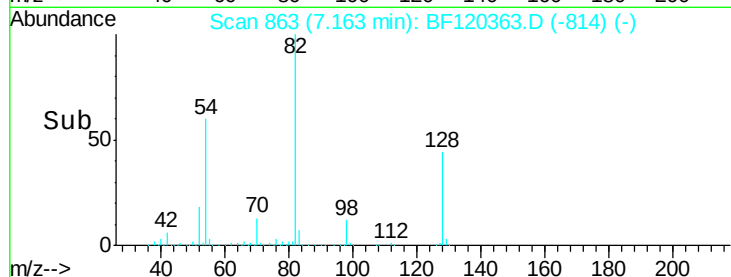
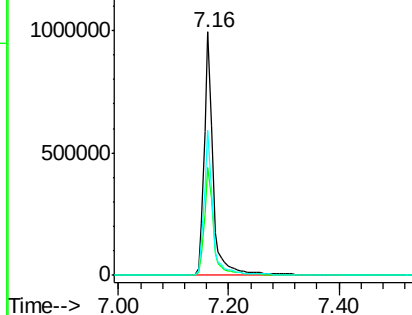
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	38.3	57.5
54	59.6	43.9	65.9

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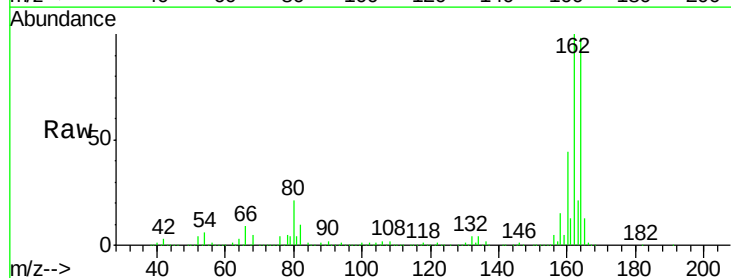


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

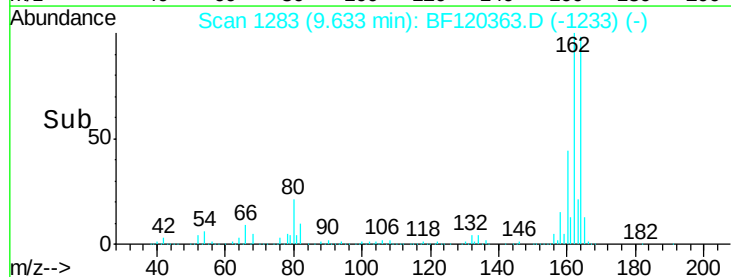
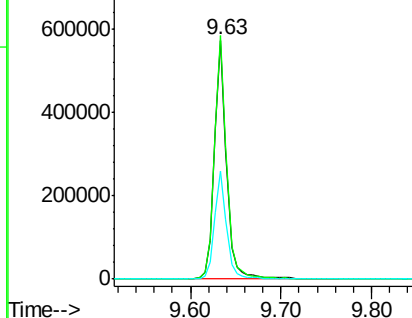


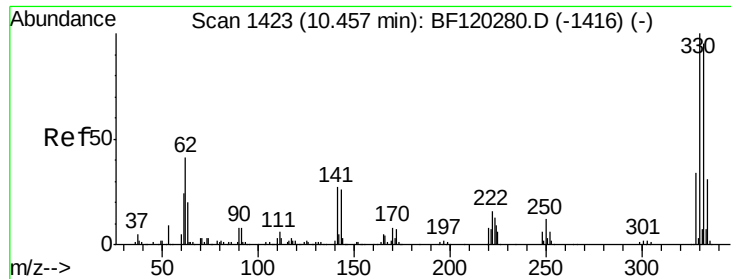
#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF120363.D
 Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.2	121.8
160	45.3	35.8	53.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 85.48 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Instrument :

BNA_F

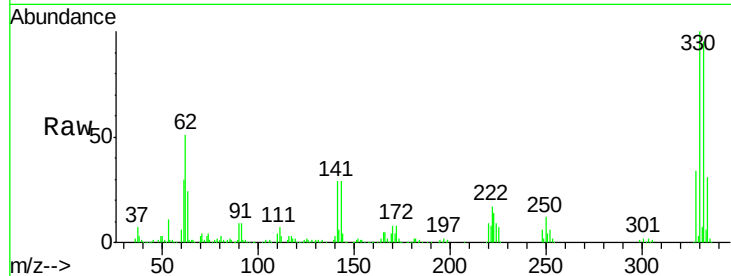
ClientSampleId :

VNJ-241

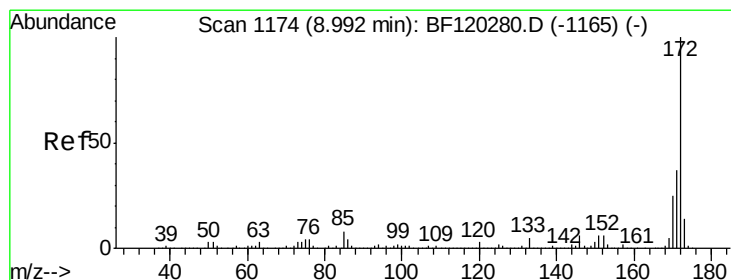
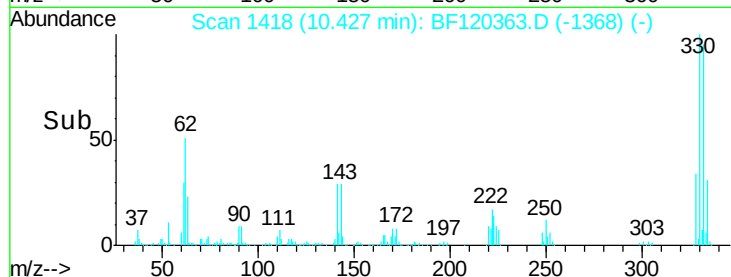
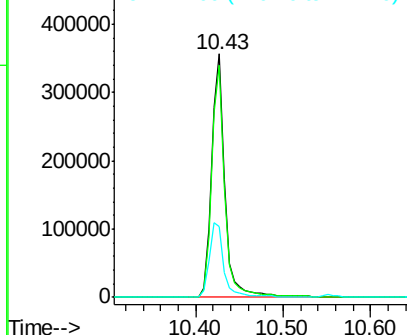
Tgt Ion:	330	Resp:	376655
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.5	114.7
141	33.1	25.4	38.0

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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: 76.09 ng

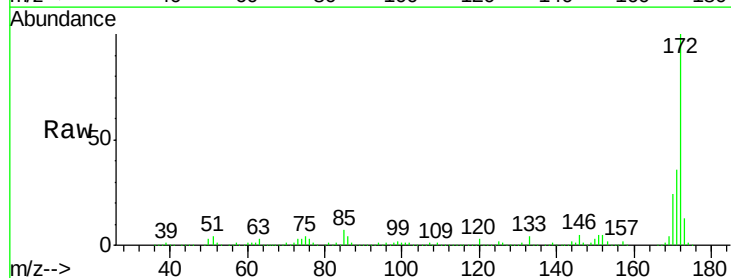
RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

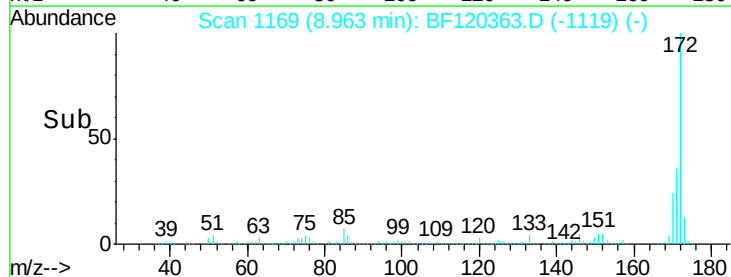
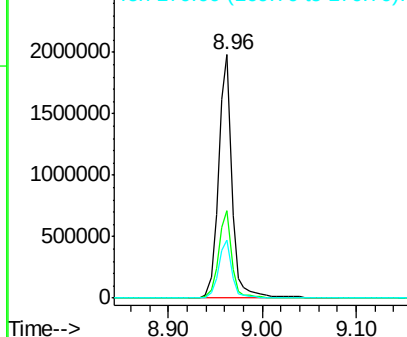
Lab File: BF120363.D

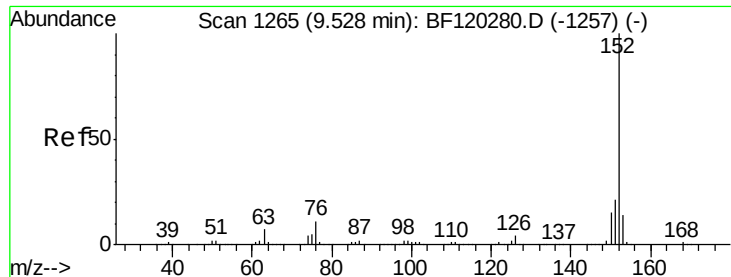
Acq: 19 May 2020 14:54

Tgt Ion:	172	Resp:	2001487
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	23.9	19.9	29.9



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





#49

Acenaphthylene

Concen: 10.58 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Instrument :

BNA_F

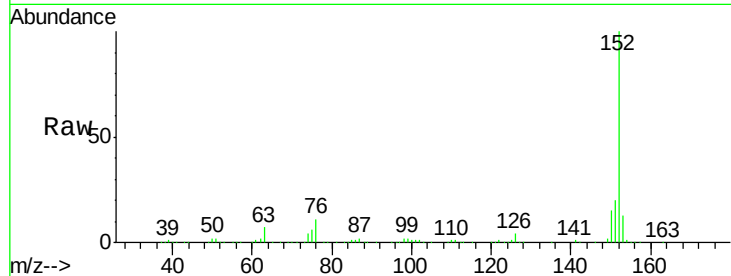
ClientSampleId :

VNJ-241

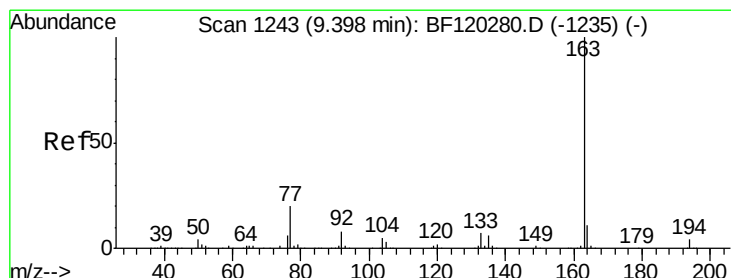
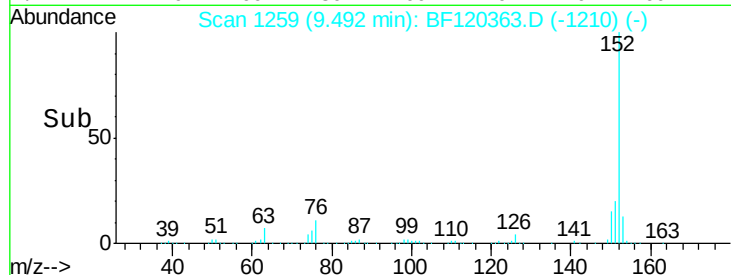
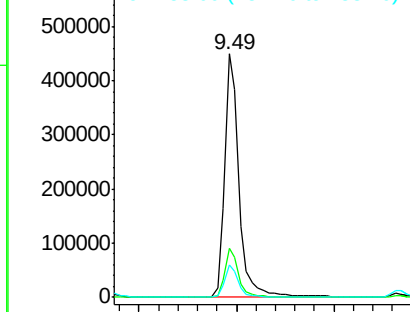
Tgt Ion:	152	Resp:	458898
Ion Ratio		Lower	Upper
152	100		
151	20.1	16.6	25.0
153	13.3	11.1	16.7

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.49 ng

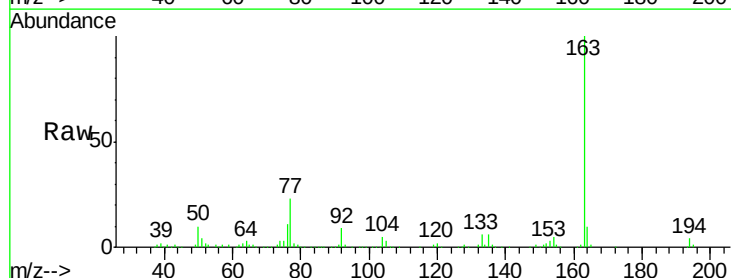
RT: 9.36 min Scan# 1236

Delta R.T. -0.02 min

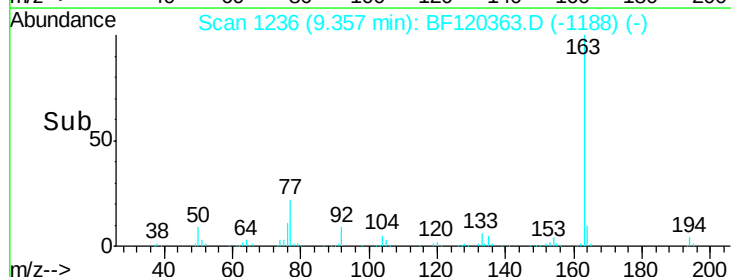
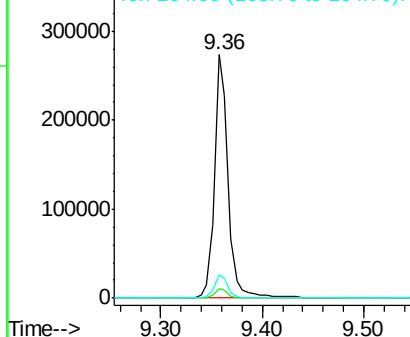
Lab File: BF120363.D

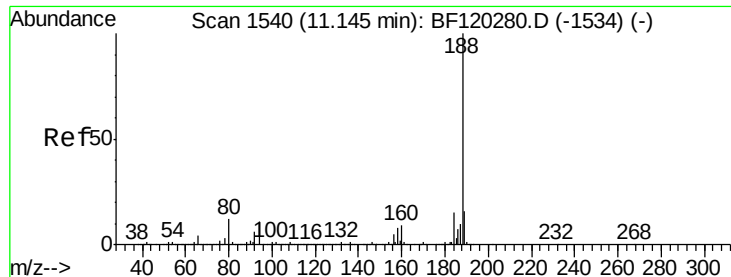
Acq: 19 May 2020 14:54

Tgt Ion:	163	Resp:	256029
Ion Ratio		Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.9	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





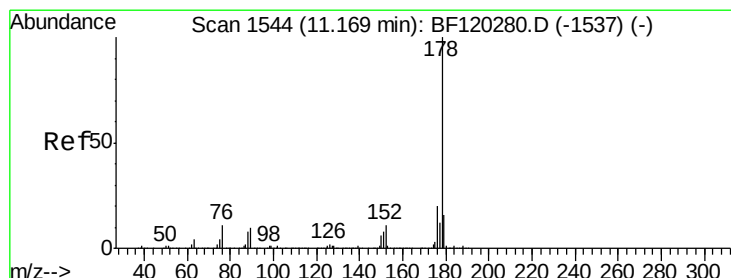
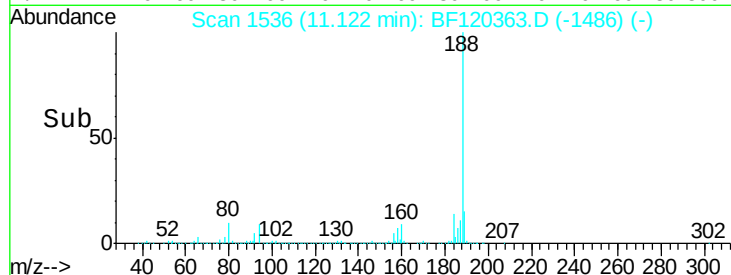
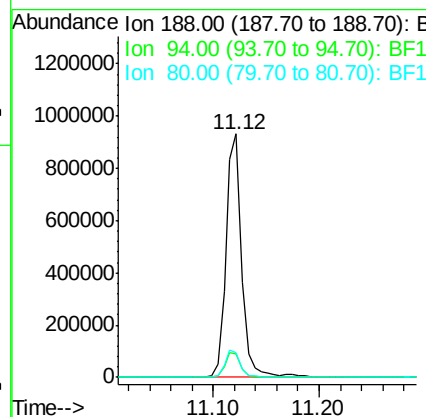
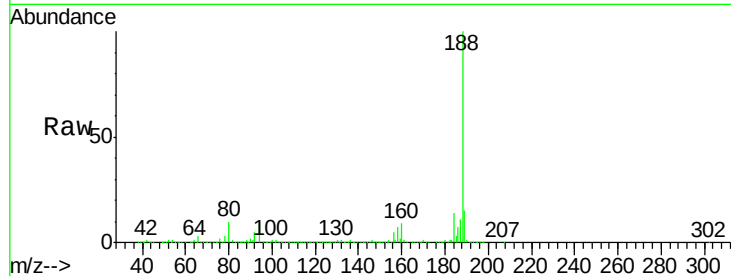
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	969126		
94	9.4	8.6	13.0	
80	10.1	9.2	13.8	

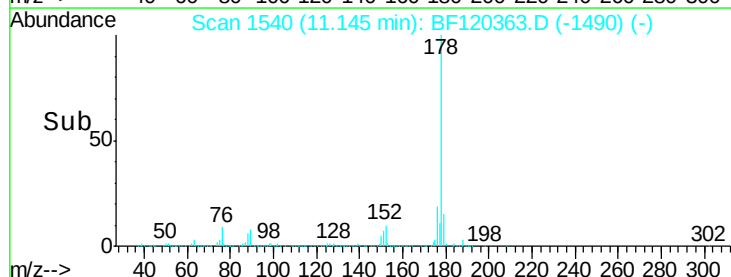
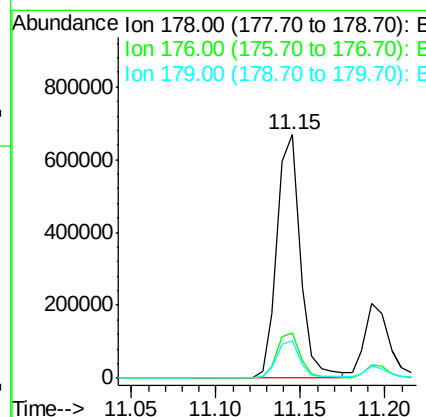
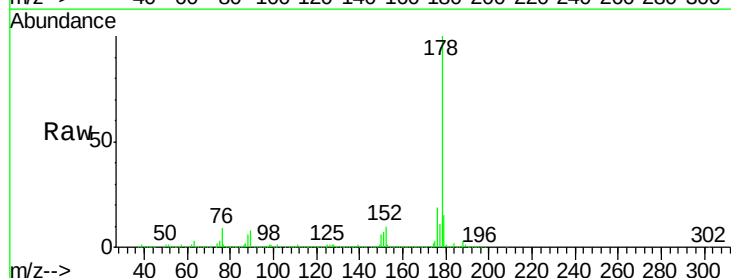
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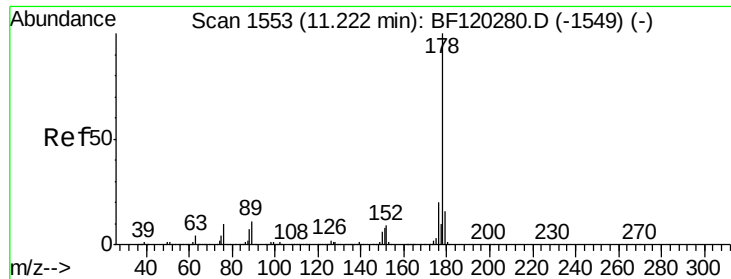
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#71
Phenanthrene
Concen: 15.84 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	644988		
176	18.6	15.8	23.8	
179	15.3	12.8	19.2	





#72

Anthracene

Concen: 4.83 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Instrument :

BNA_F

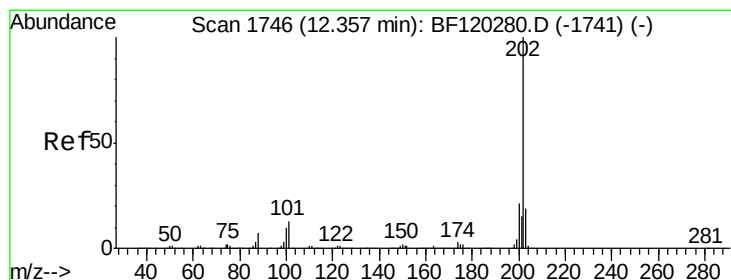
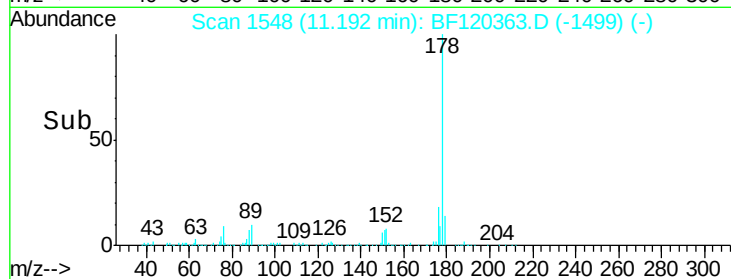
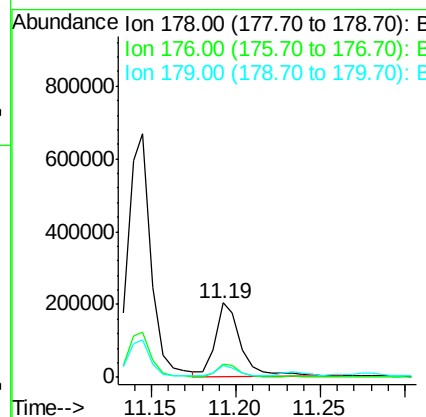
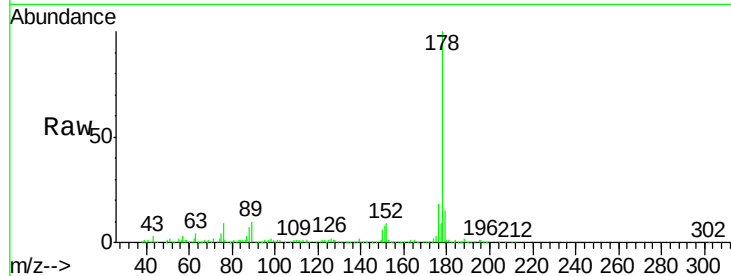
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	15.5	13.0	19.6

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#75

Fluoranthene

Concen: 54.19 ng

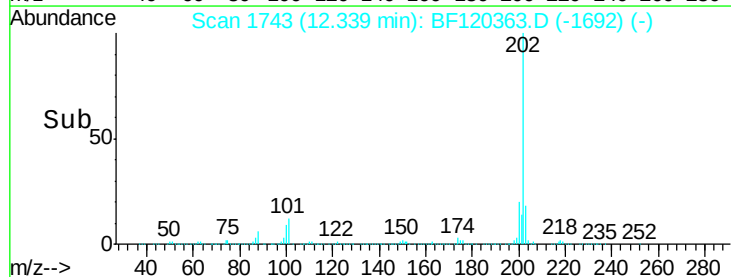
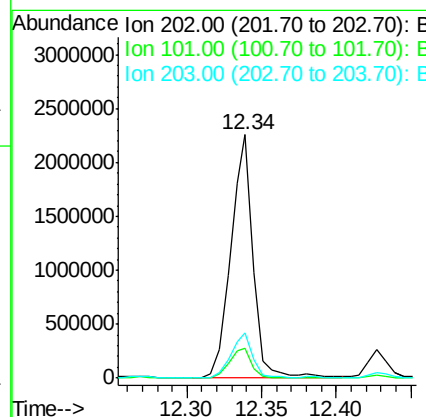
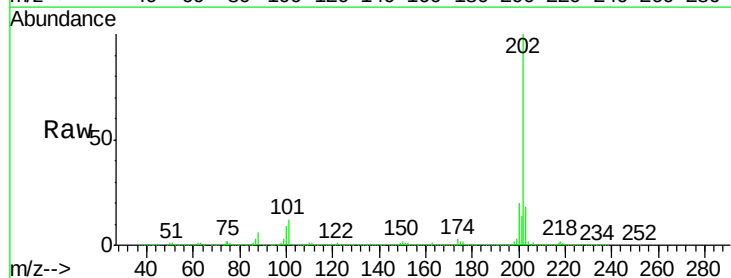
RT: 12.34 min Scan# 1743

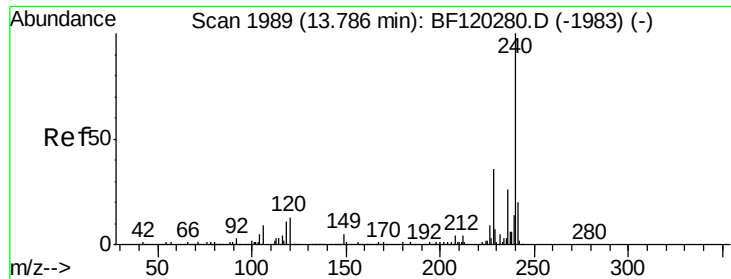
Delta R.T. 0.00 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	18.4	0.0	39.1





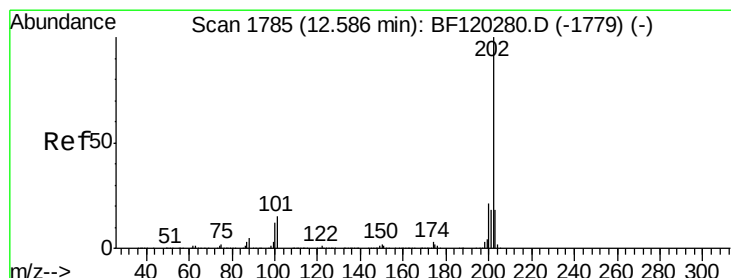
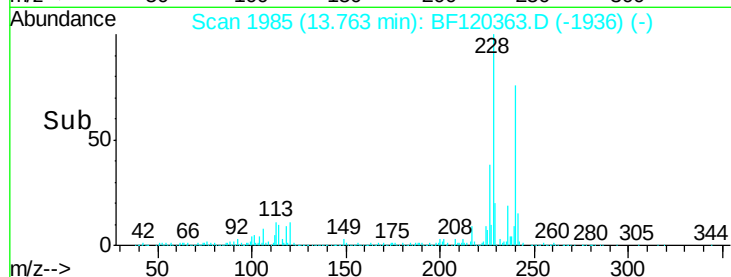
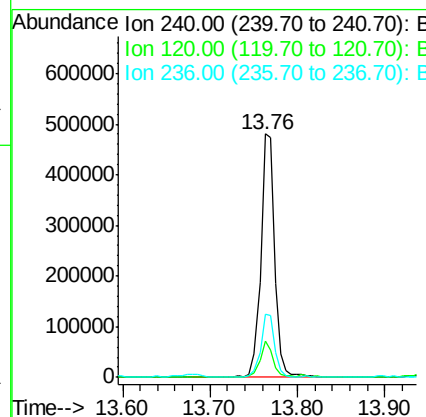
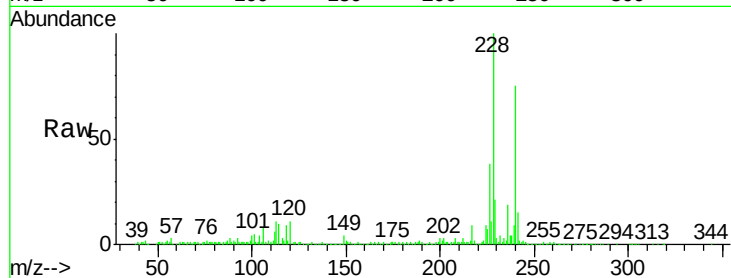
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	513322		
120	15.1	10.4	15.6	
236	25.7	21.0	31.6	

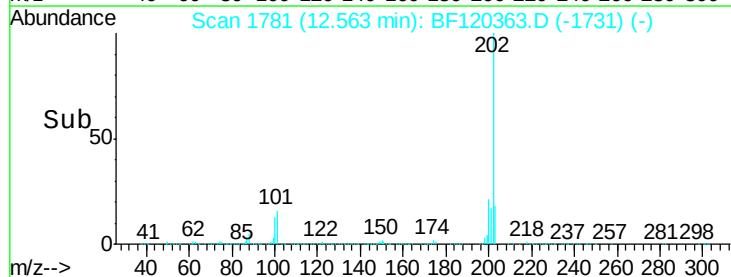
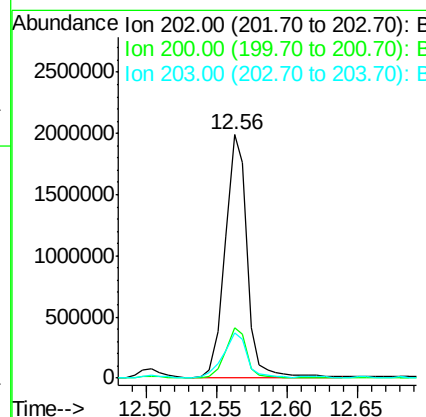
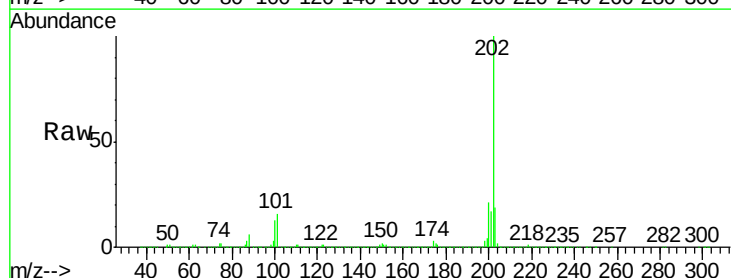
Manual Integrations
APPROVED

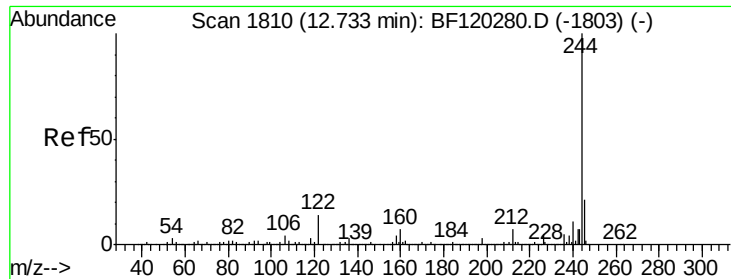
mohammad
5/20/2020 1:20:45 PM



#78
Pyrene
Concen: 58.48 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2139927		
200	20.6	16.6	25.0	
203	18.7	14.6	22.0	





#79

Terphenyl-d14

Concen: 76.35 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Instrument :

BNA_F

ClientSampled :

VNJ-241

Tgt Ion:244 Resp: 1773944

Ion Ratio Lower Upper

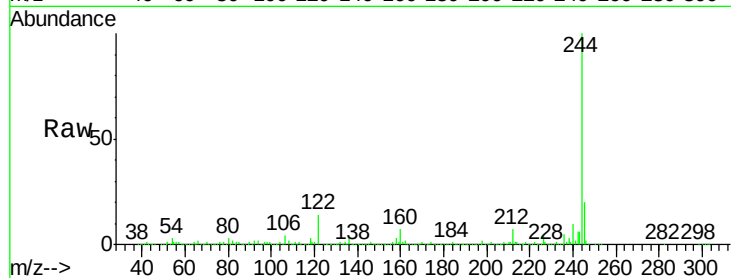
244 100

212 6.7 5.8 8.6

122 13.8 10.8 16.2

Manual Integrations
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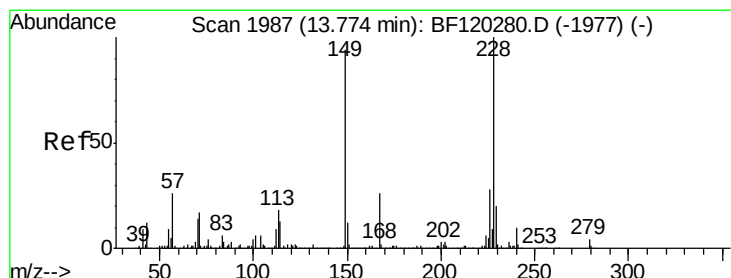
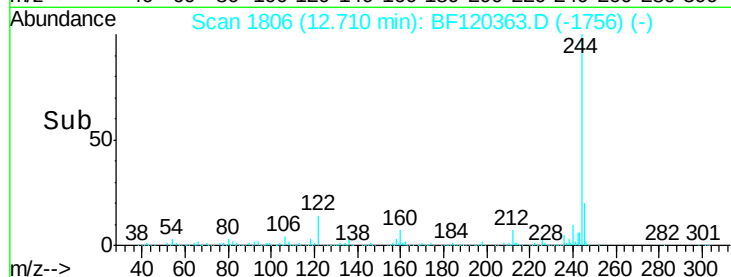
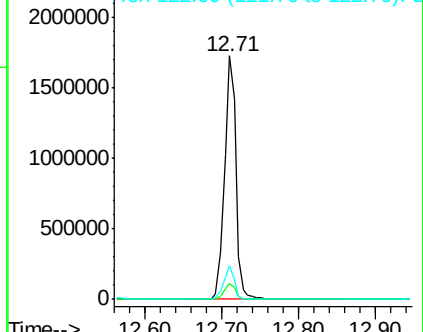
mohammad
5/20/2020 1:20:45 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 44.48 ng m

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

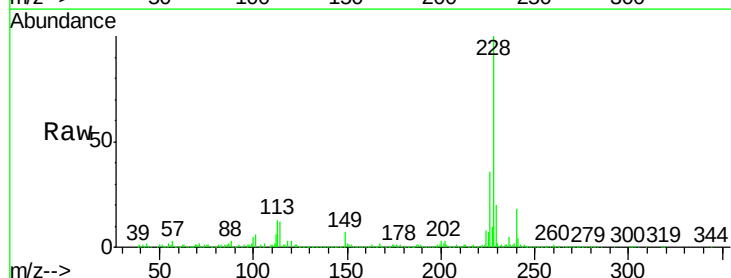
Tgt Ion:228 Resp: 1204319

Ion Ratio Lower Upper

228 100

226 36.3 22.6 33.8#

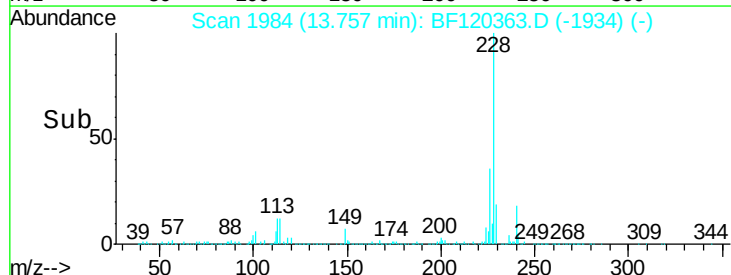
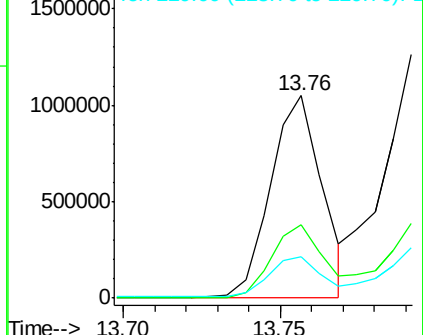
229 20.5 16.4 24.6

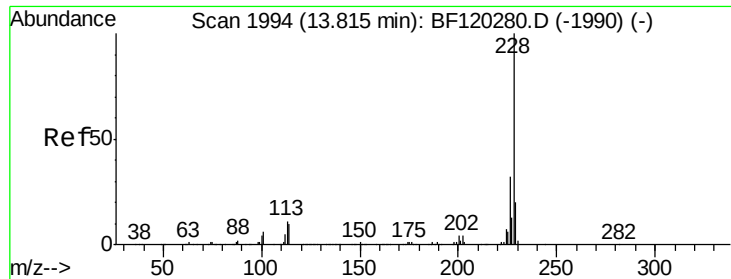


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





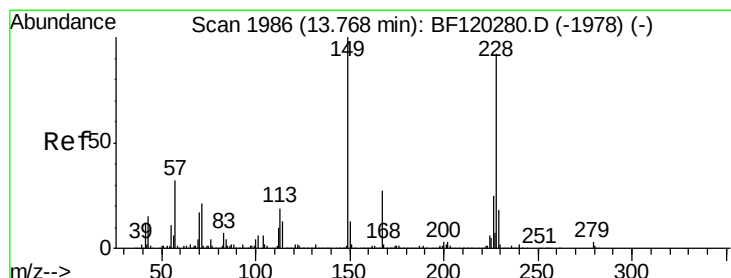
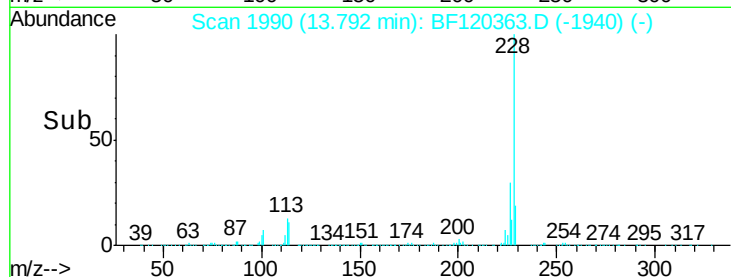
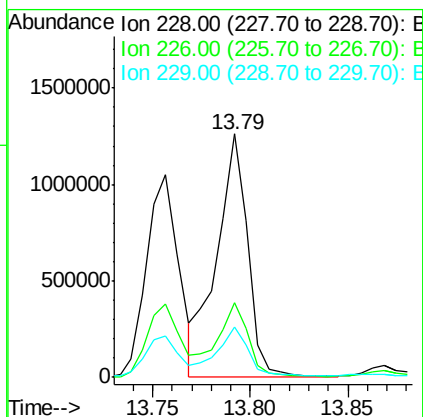
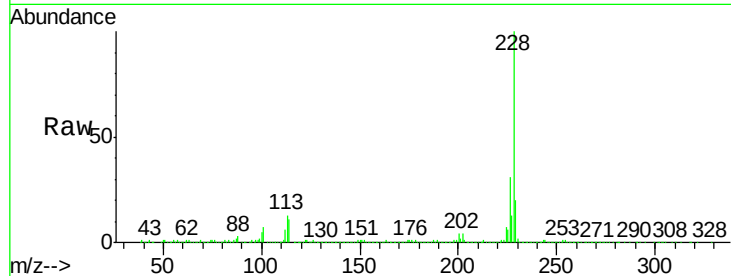
#83
Chrysene
Concen: 48.06 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion: 228 Resp: 1397344
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 20.5 16.2 24.4

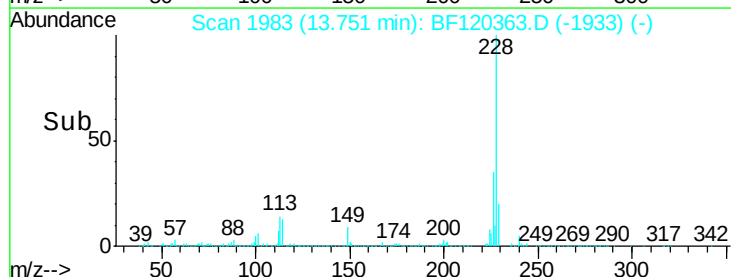
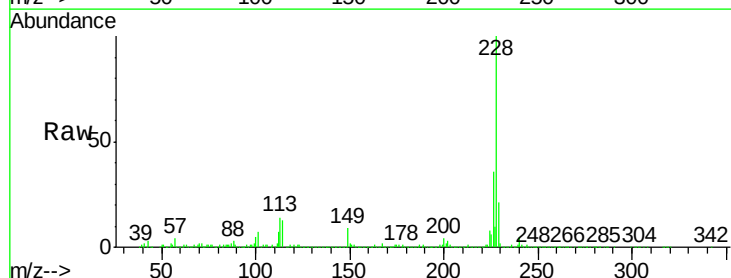
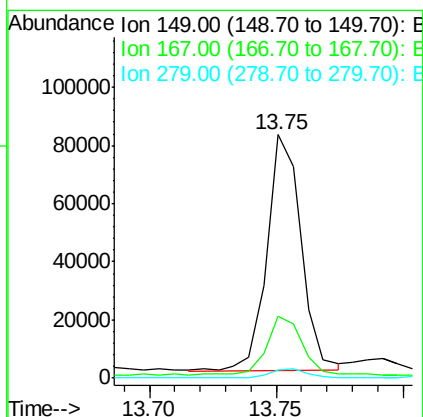
Manual Integrations
APPROVED

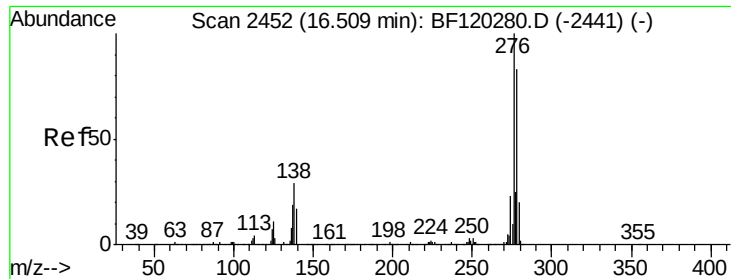
mohammad
5/20/2020 1:20:45 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.54 ng
RT: 13.75 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Tgt Ion: 149 Resp: 75843
Ion Ratio Lower Upper
149 100
167 25.6 21.8 32.8
279 3.2 2.8 4.2





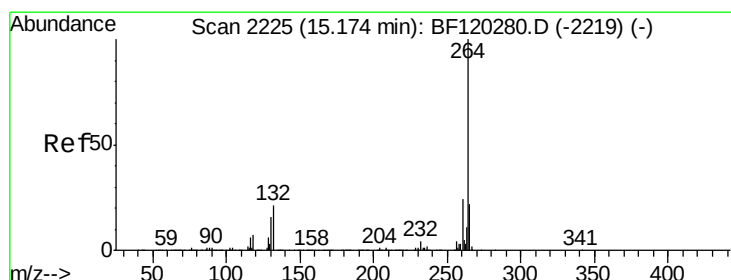
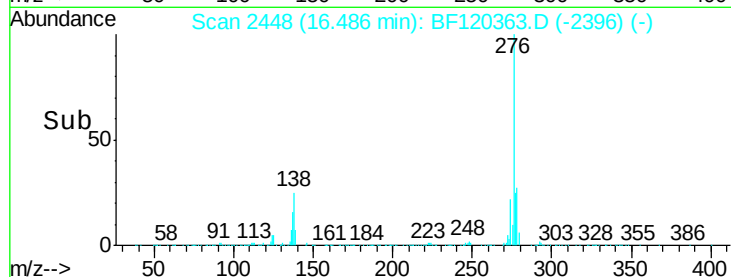
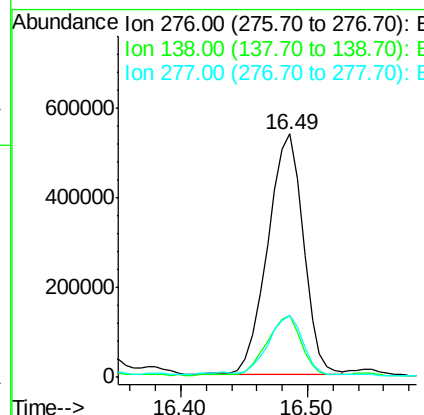
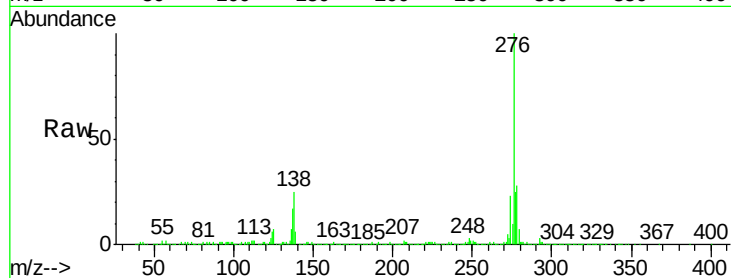
#86
Indeno(1,2,3-cd)pyrene
Concen: 39.55 ng
RT: 16.49 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion: 276 Resp: 1043632
Ion Ratio Lower Upper
276 100
138 24.2 23.3 34.9
277 24.4 20.2 30.4

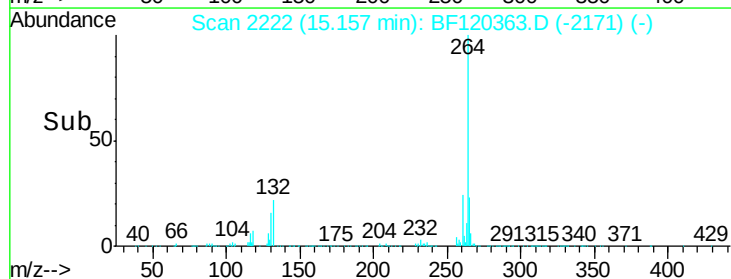
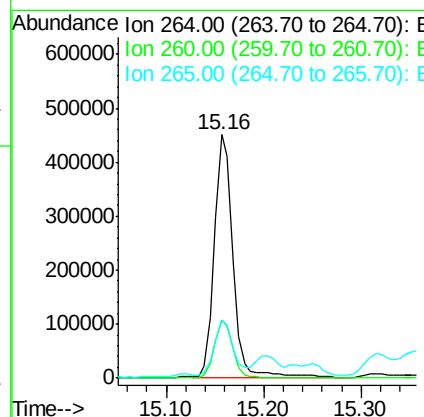
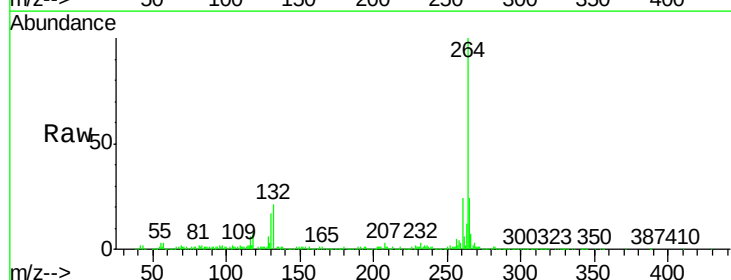
Manual Integrations
APPROVED

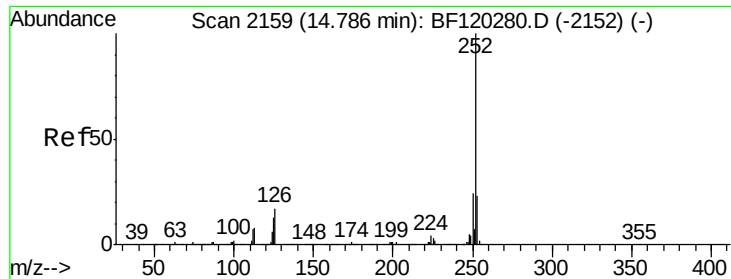
mohammad
5/20/2020 1:20:45 PM



#87
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Tgt Ion: 264 Resp: 589265
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 23.9 17.5 26.3





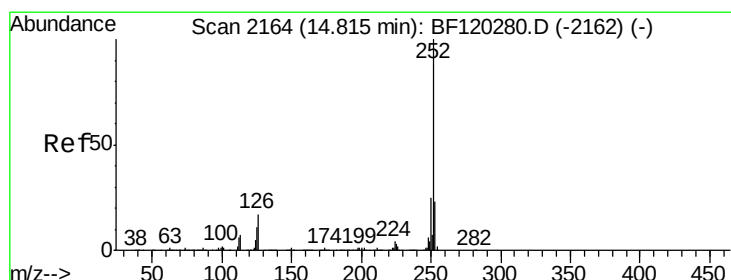
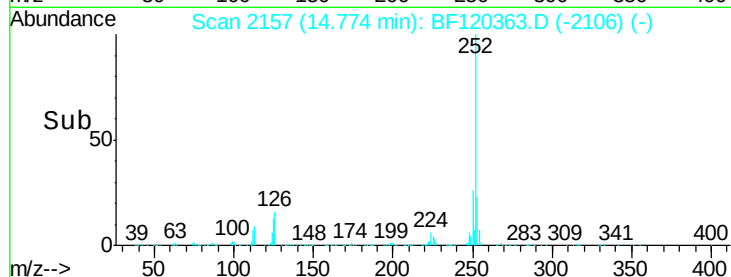
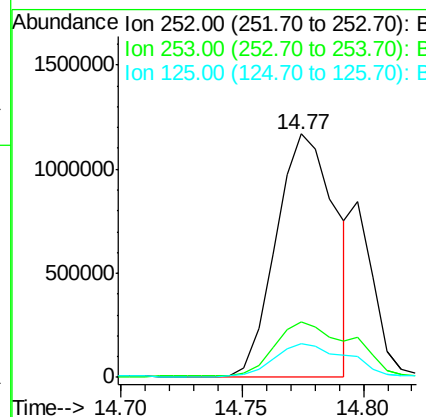
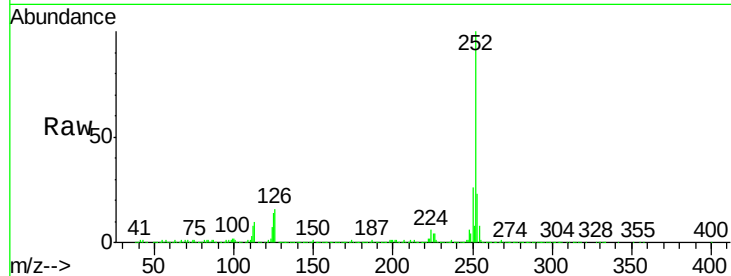
#88
Benzo(b)fluoranthene
Concen: 63.05 ng m
RT: 14.77 min Scan# 2157
Delta R.T. 0.00 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.6	10.4	15.6

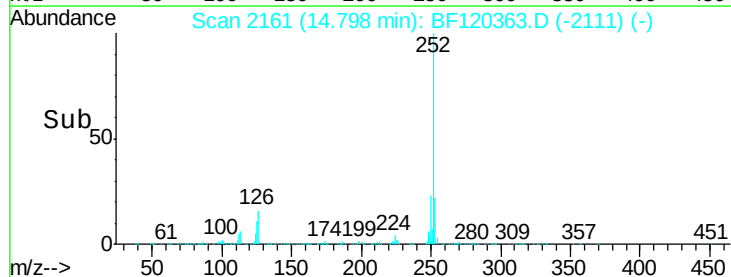
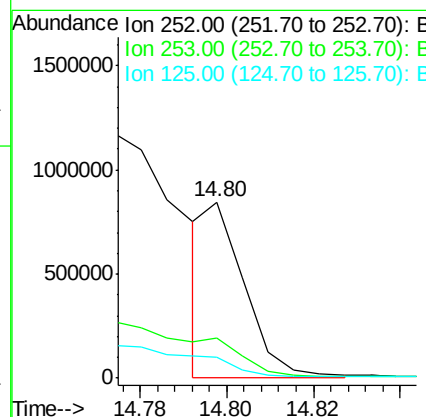
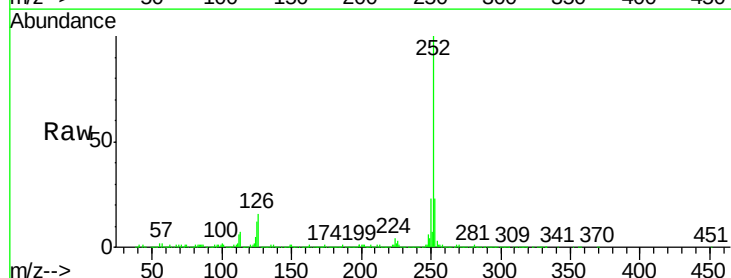
Manual Integrations
APPROVED

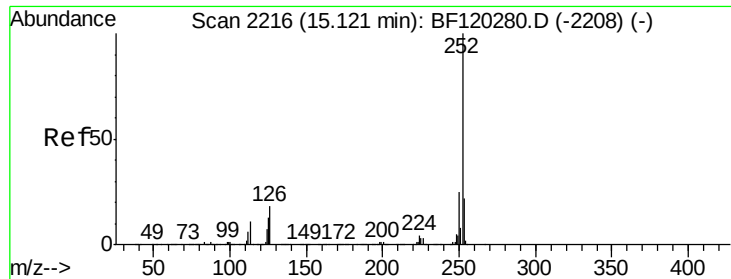
mohammad
5/20/2020 1:20:45 PM



#89
Benzo(k)fluoranthene
Concen: 19.30 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.5	9.9	14.9





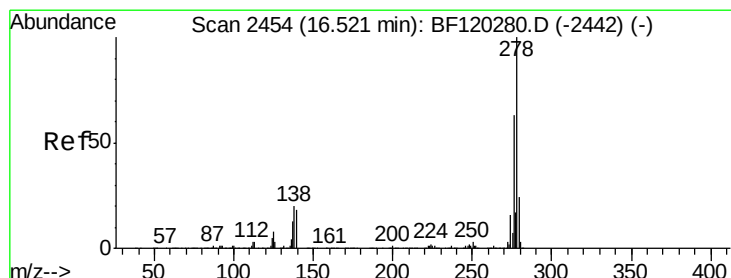
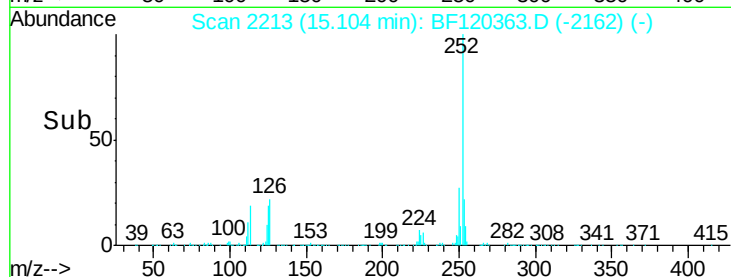
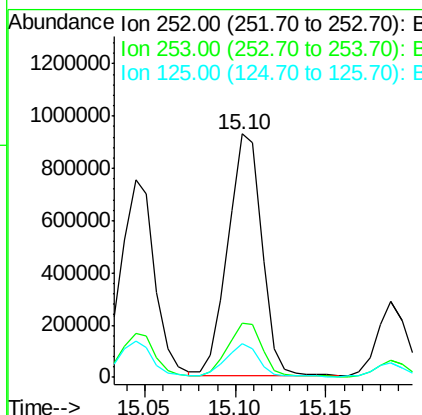
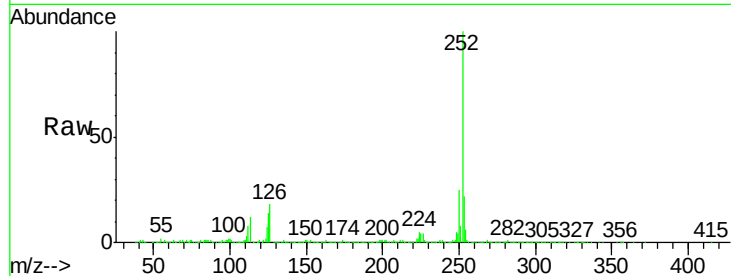
#90
Benzo(a)pyrene
Concen: 42.01 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	13.8	10.6	16.0

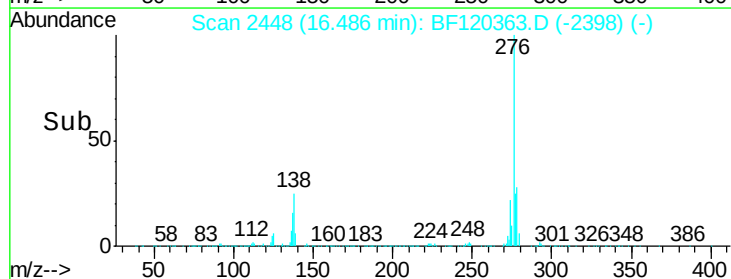
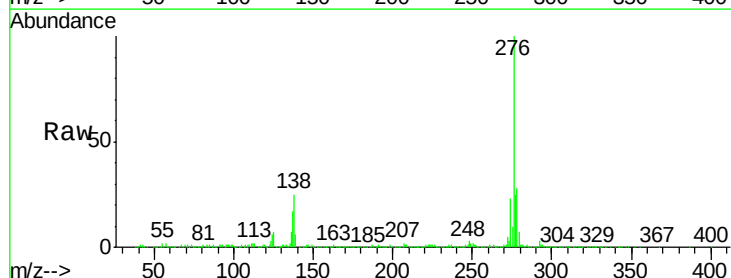
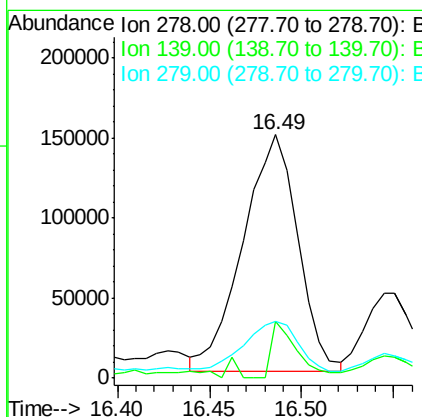
Manual Integrations
APPROVED

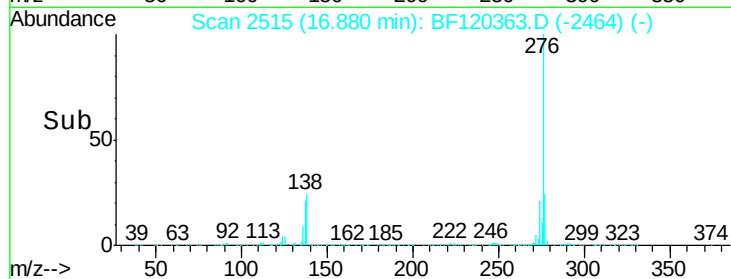
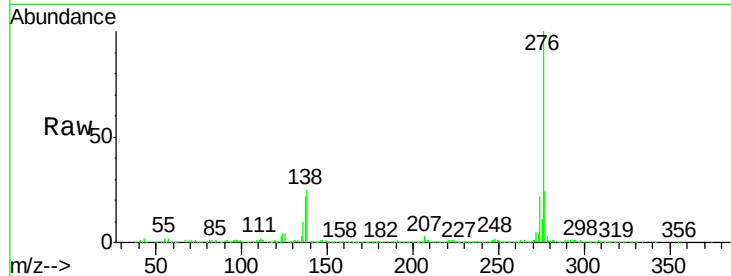
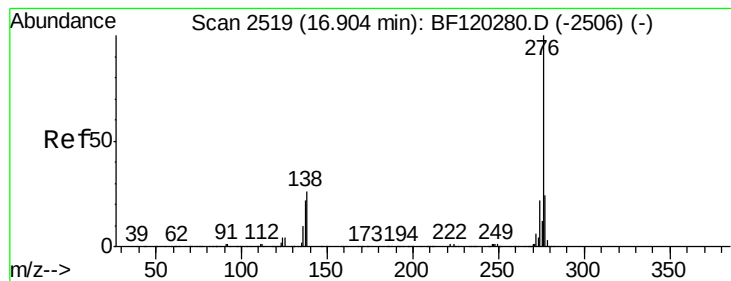
mohammad
5/20/2020 1:20:45 PM



#91
Dibenzo(a,h)anthracene
Concen: 11.97 ng m
RT: 16.49 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BF120363.D
Acq: 19 May 2020 14:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	14.7	22.1#
279	23.5	19.2	28.8





#92

Benzo(g,h,i)perylene

Concen: 37.31 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.00 min

Lab File: BF120363.D

Acq: 19 May 2020 14:54

Instrument :

BNA_F

ClientSampleId :

VNJ-241

Tgt Ion:	276	Resp:	961835
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.1	28.7
138	24.9	20.8	31.2

Manual Integrations
APPROVED

mohammad
5/20/2020 1:20:45 PM

