

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
 Data File : BF120364.D
 Acq On : 19 May 2020 15:21
 Operator : MA/SJ
 Sample : L2686-02 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Manual Integrations
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Quant Time: May 19 15:54:28 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	242303	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	982756	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	397774	20.00	ng	0.00
64) Phenanthrene-d10	11.14	188	565271	20.00	ng	0.01
76) Chrysene-d12	13.77	240	485691	20.00	ng	0.00
87) Perylene-d12	15.15	264	553285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	580843	46.64	ng	0.00
7) Phenol-d6	6.25	99	796697	50.59	ng	0.00
23) Nitrobenzene-d5	7.16	82	511150	35.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	152291	46.96	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	980366	50.64	ng	0.00
79) Terphenyl-d14	12.73	244	700232	31.85	ng	0.01
Target Compounds						
49) Acenaphthylene	9.50	152	86389	2.71	ng	# 58
50) Dimethylphthalate	9.36	163	119512	4.75	ng	# 90
71) Phenanthrene	11.16	178	154913	6.52	ng	# 67
72) Anthracene	11.22	178	58218	2.29	ng	# 37
75) Fluoranthene	12.36	202	477942	18.77	ng	96
78) Pyrene	12.58	202	460548	13.30	ng	97
81) Benzo(a)anthracene	13.76	228	307592m	12.01	ng	
83) Chrysene	13.79	228	307201	11.17	ng	99
84) Bis(2-ethylhexyl)phthalate	13.75	149	70486	3.47	ng	98
86) Indeno(1,2,3-cd)pyrene	16.47	276	230572	9.24	ng	95
88) Benzo(b)fluoranthene	14.77	252	438731m	14.52	ng	
89) Benzo(k)fluoranthene	14.78	252	176727m	6.75	ng	
90) Benzo(a)pyrene	15.10	252	297560	10.98	ng	99
91) Dibenzo(a,h)anthracene	16.47	278	66467	2.77	ng	# 94
92) Benzo(g,h,i)perylene	16.86	276	223039	9.21	ng	98

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

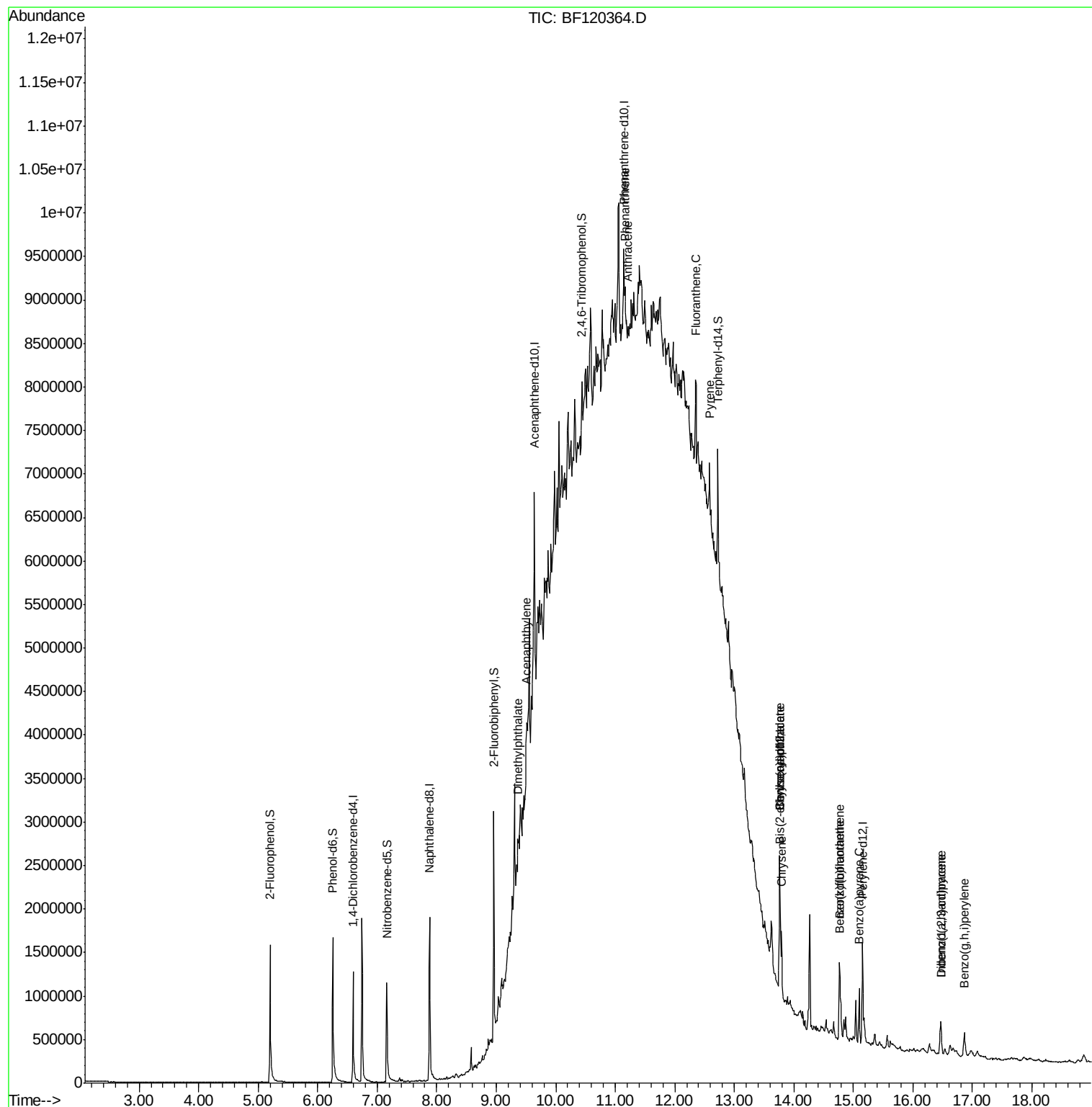
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
Data File : BF120364.D
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ALS Vial : 8 Sample Multiplier: 1

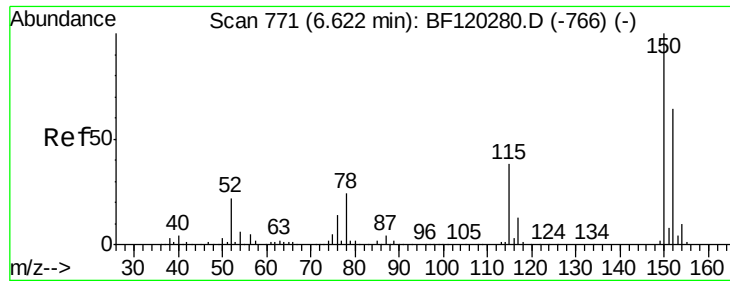
Instrument :
BNA_F
ClientSampled :
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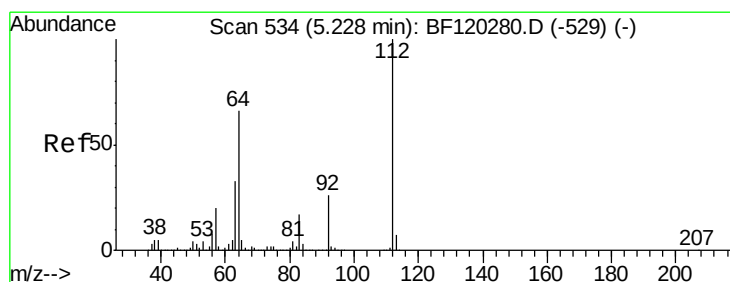
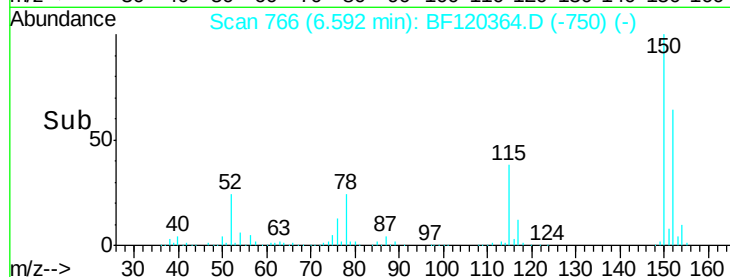
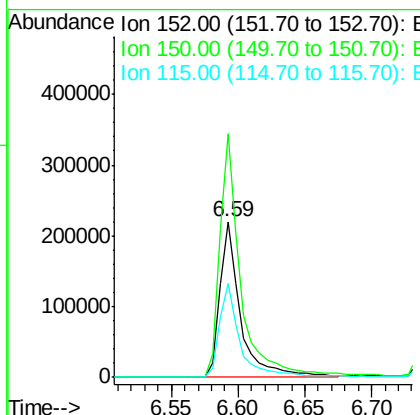
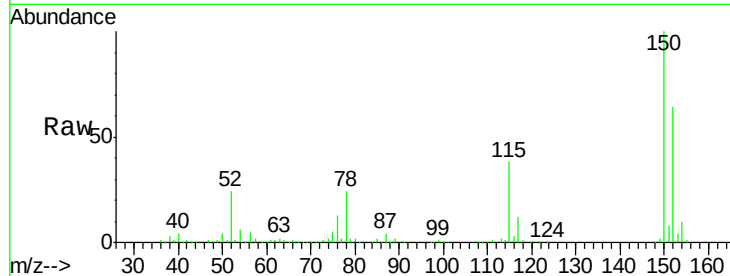
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	242303		
150	156.2	126.2	189.2	
115	60.0	47.9	71.9	

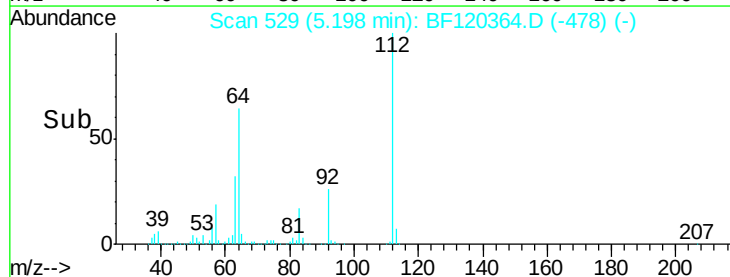
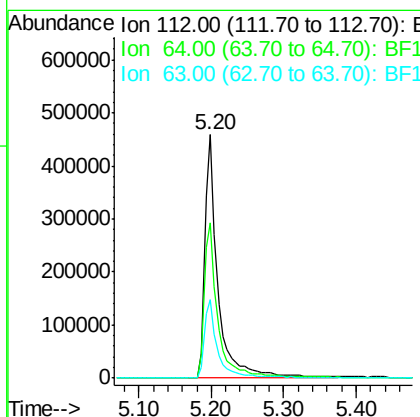
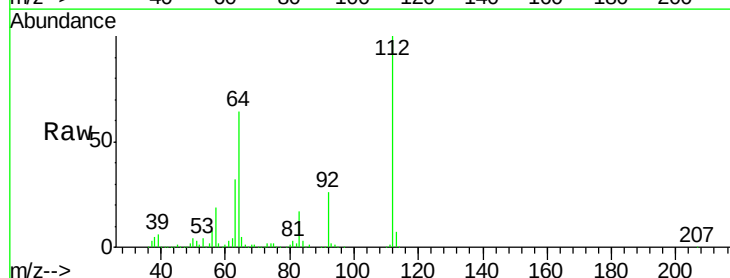
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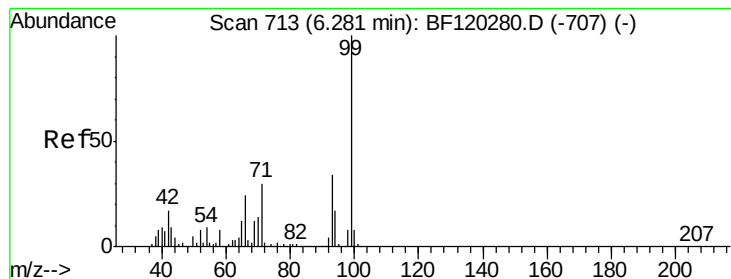
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#5
 2-Fluorophenol
 Concen: 46.64 ng
 RT: 5.20 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	580843		
64	63.9	52.7	79.1	
63	32.1	26.2	39.4	





#7

Phenol-d6

Concen: 50.59 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

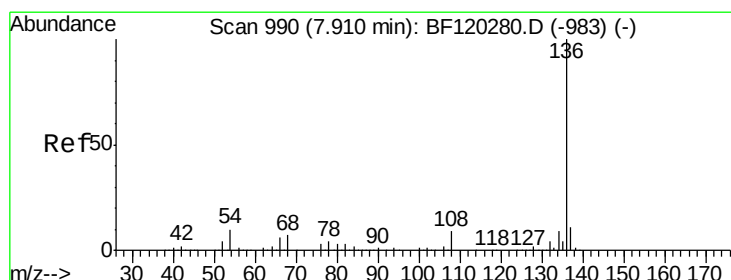
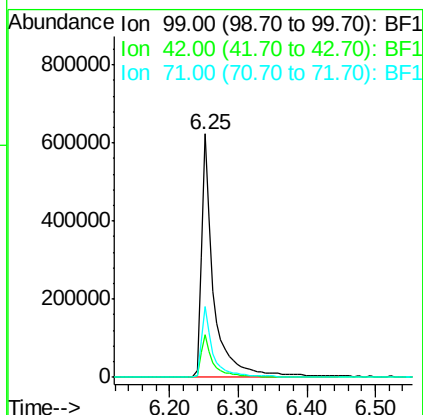
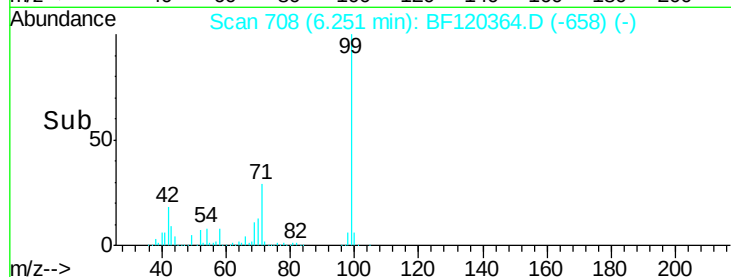
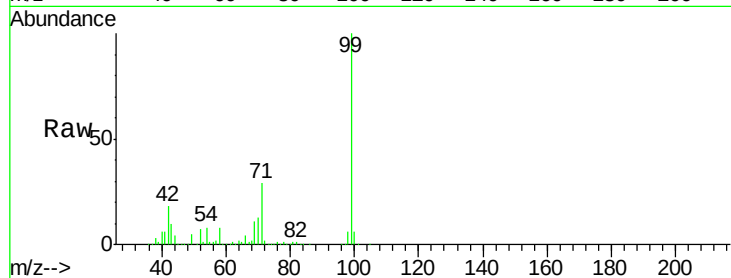
ClientSampleId :

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Tgt Ion:	99	Resp:	796697
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.6	20.4
71	29.2	24.2	36.4

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#21

Naphthalene-d8

Concen: 20.00 ng

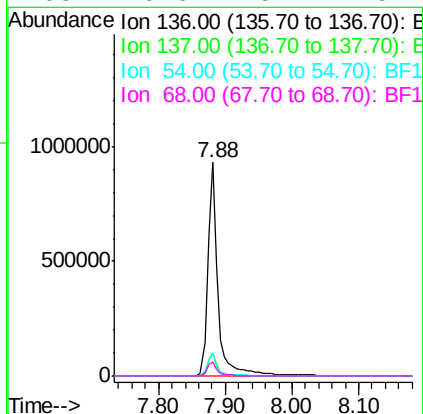
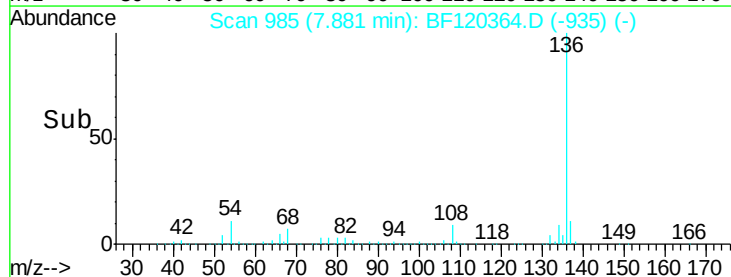
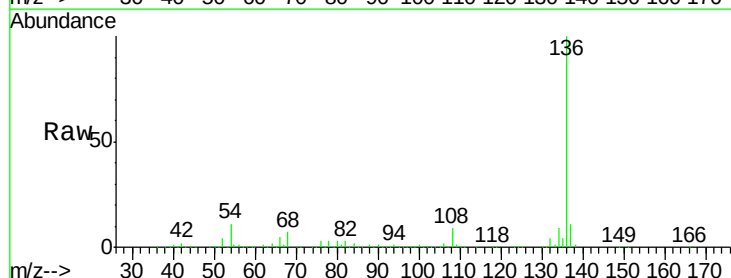
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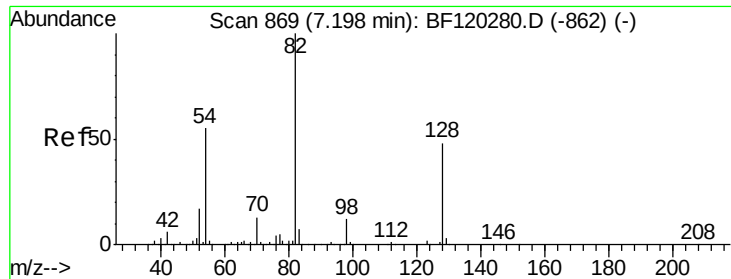
Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:	136	Resp:	982756
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	10.6	7.9	11.9
68	6.6	5.4	8.2





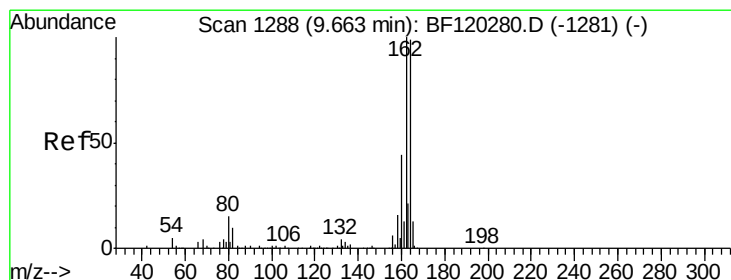
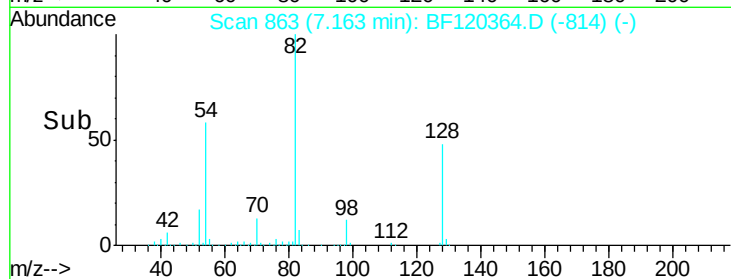
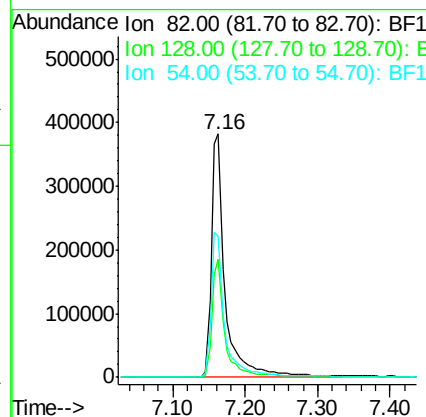
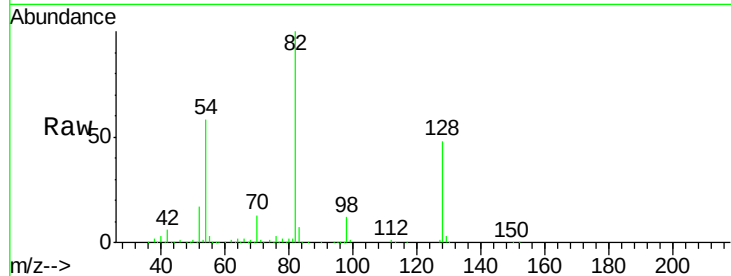
#23
 Nitrobenzene-d5
 Concen: 35.61 ng
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
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 ClientSampled :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	511150		
128	48.3	38.3	57.5	
54	57.8	43.9	65.9	

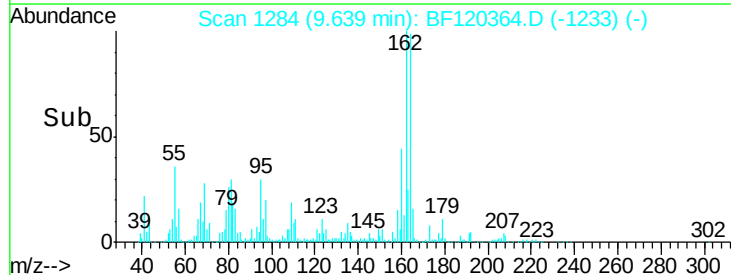
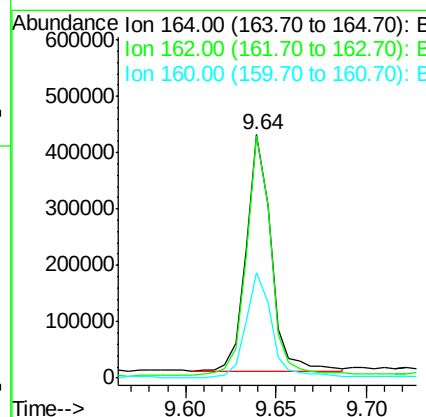
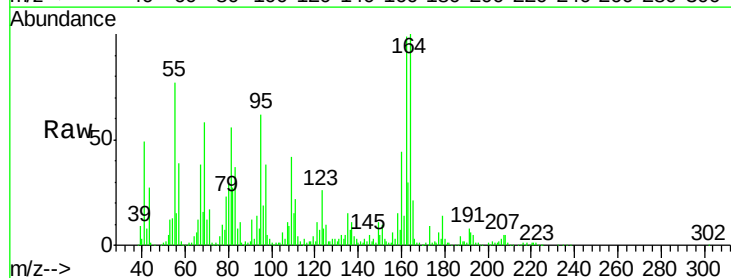
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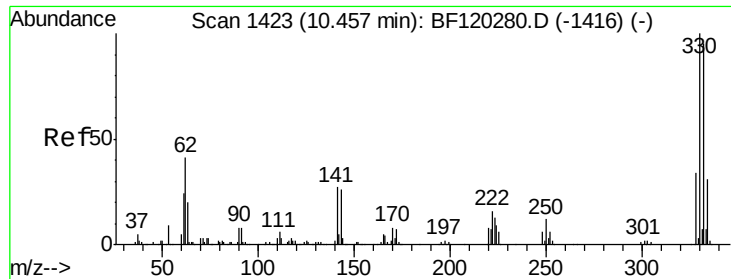
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	397774		
162	99.3	81.2	121.8	
160	43.5	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 46.96 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

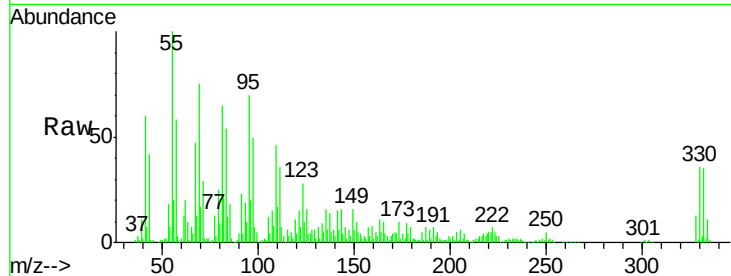
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VNJ-214

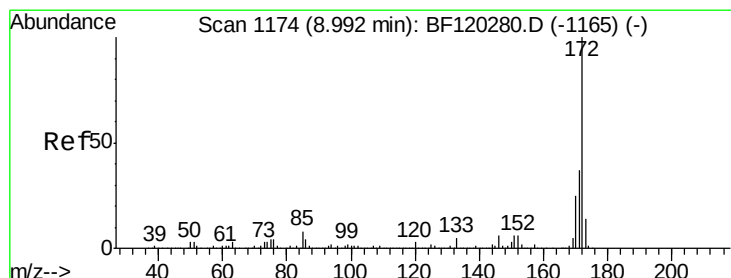
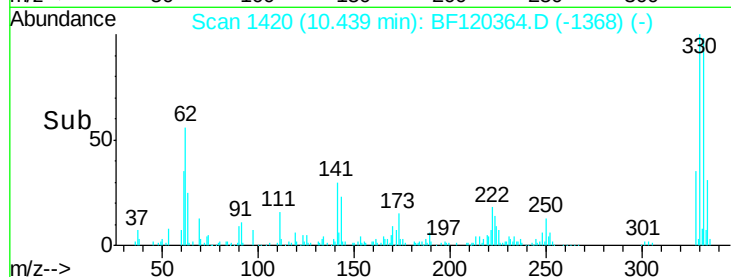
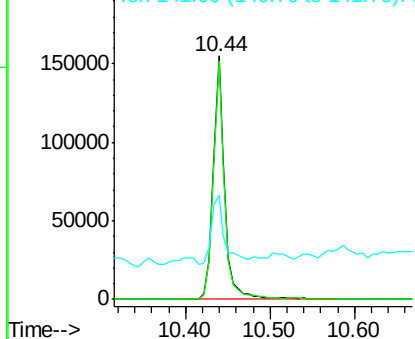
Tgt Ion:	330	Resp:	152291
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.5	114.7
141	31.7	25.4	38.0

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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: 50.64 ng

RT: 8.96 min Scan# 1169

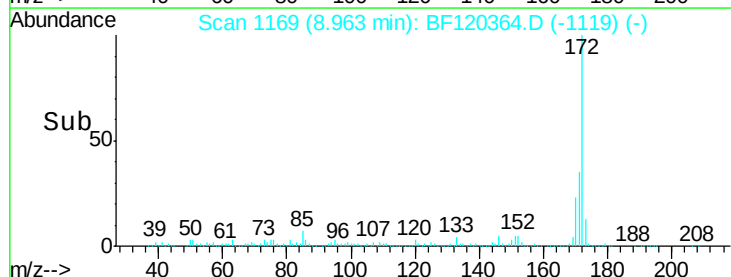
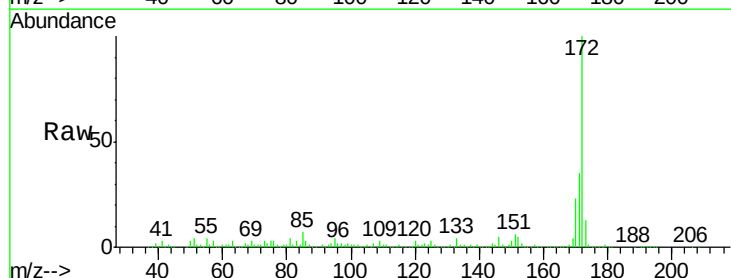
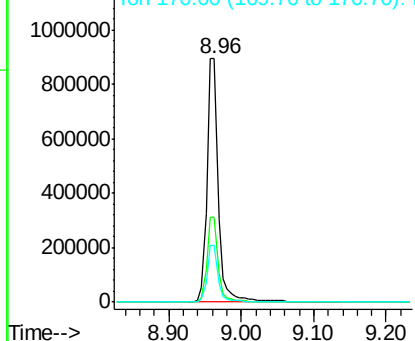
Delta R.T. -0.01 min

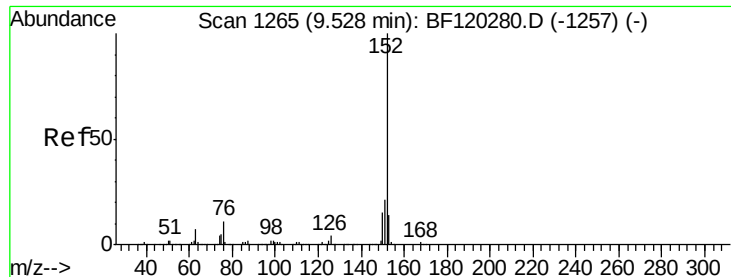
Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:	172	Resp:	980366
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	23.4	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: 2.71 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

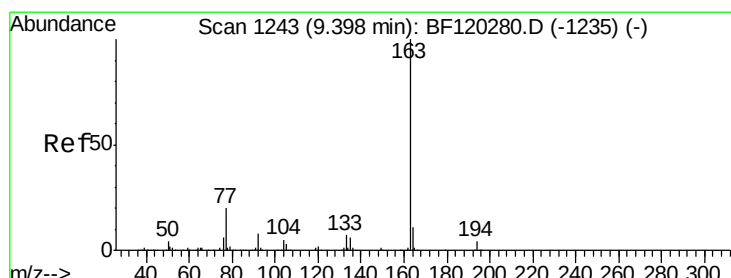
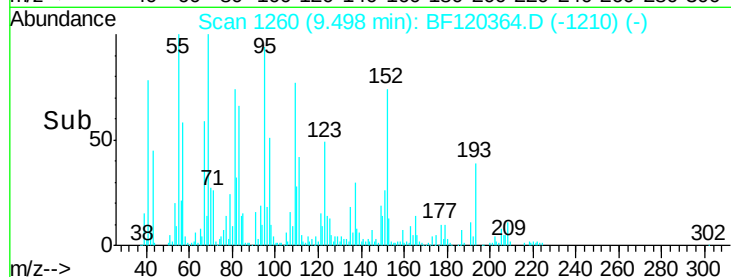
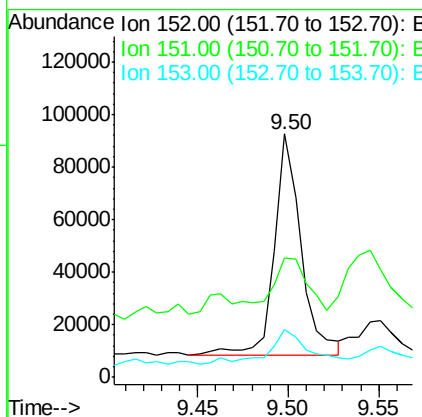
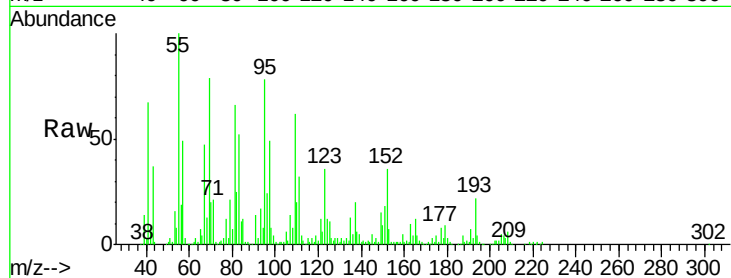
ClientSampleId :

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Tgt Ion:	152	Resp:	86389
Ion Ratio	Lower	Upper	
152	100		
151	49.1	16.6	25.0#
153	19.7	11.1	16.7#

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#50

Dimethylphthalate

Concen: 4.75 ng

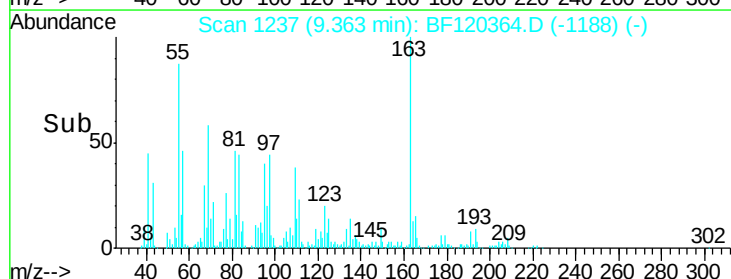
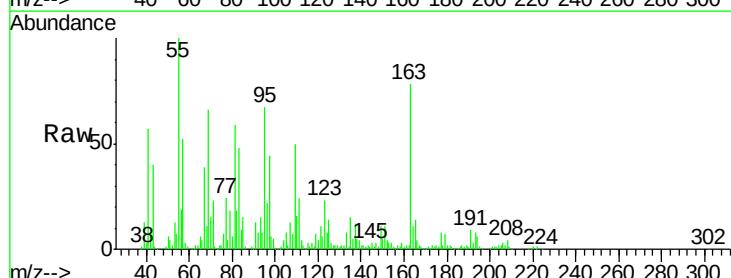
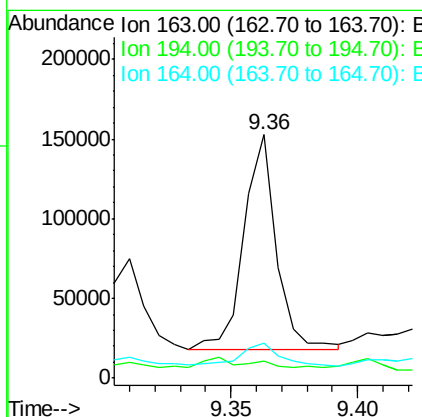
RT: 9.36 min Scan# 1237

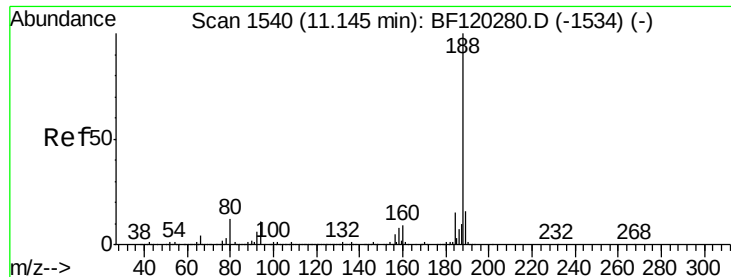
Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:	163	Resp:	119512
Ion Ratio	Lower	Upper	
163	100		
194	7.1	3.1	4.7#
164	14.2	8.6	12.8#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

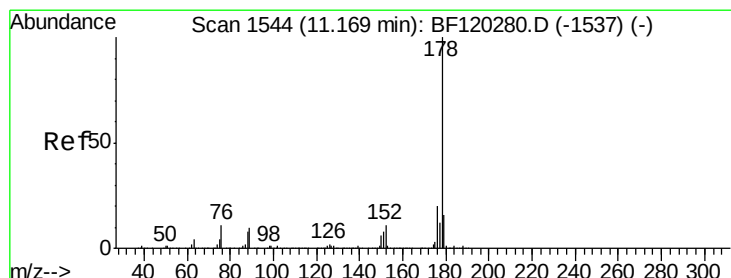
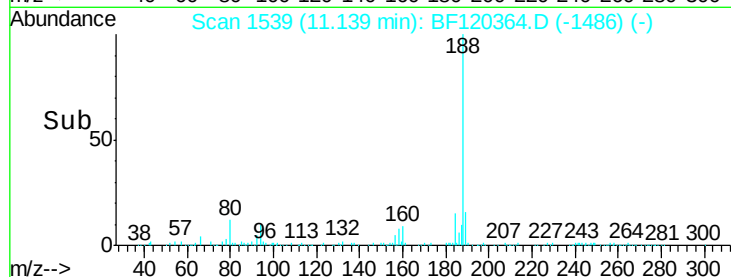
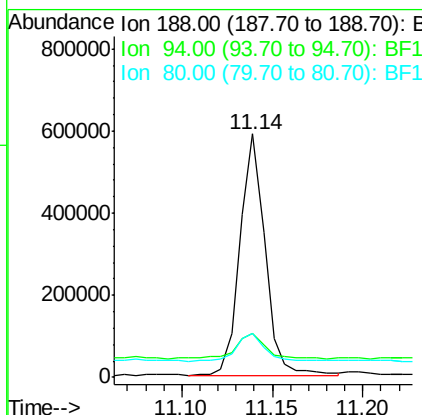
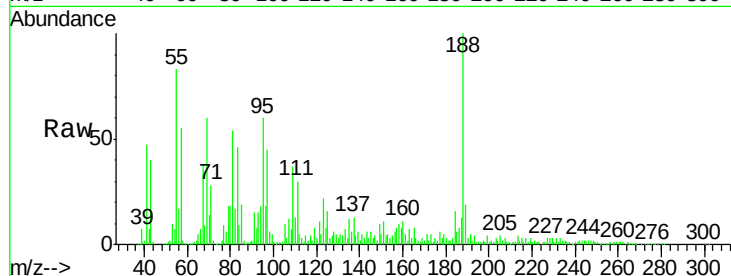
ClientSampleId :

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Tgt	Ion	Ratio	Resp	Lower	Upper
188	100		565271		
94	17.8	8.6	13.0#		
80	18.2	9.2	13.8#		

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#71

Phenanthrene

Concen: 6.52 ng

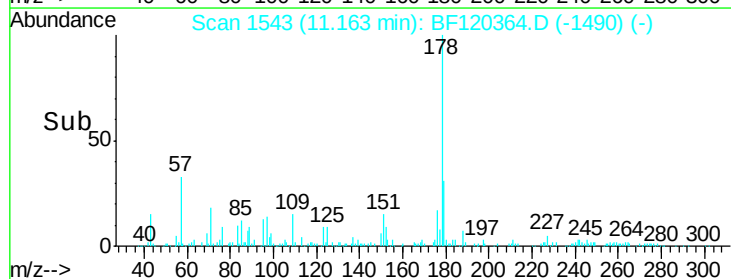
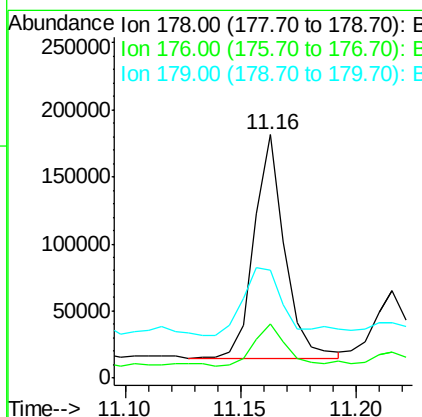
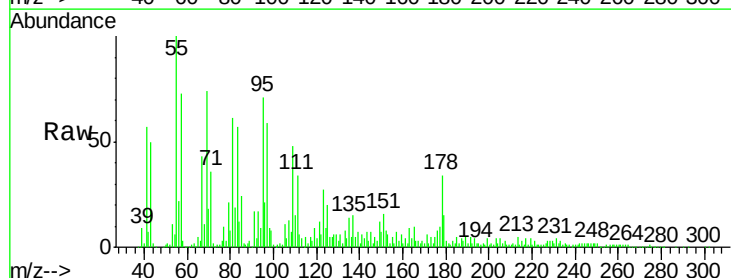
RT: 11.16 min Scan# 1543

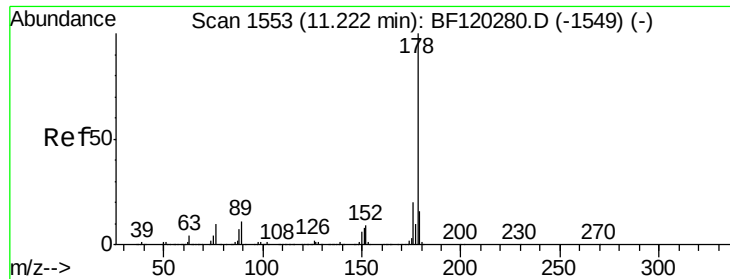
Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt	Ion	Ratio	Resp	Lower	Upper
178	100		154913		
176	22.1	15.8	23.8		
179	44.2	12.8	19.2#		





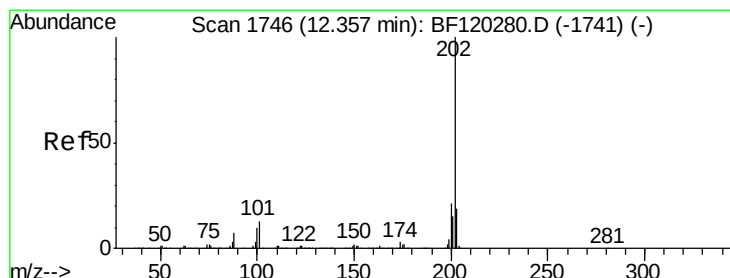
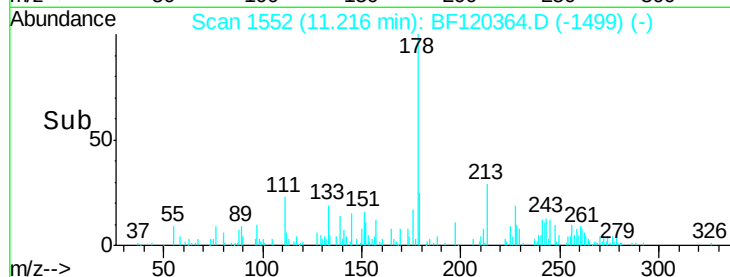
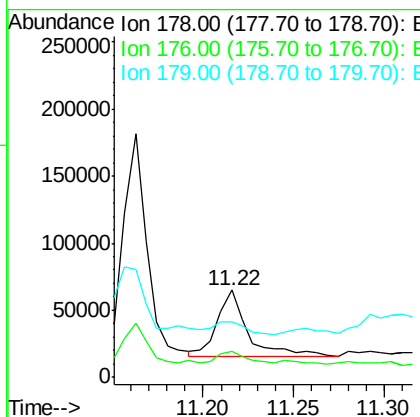
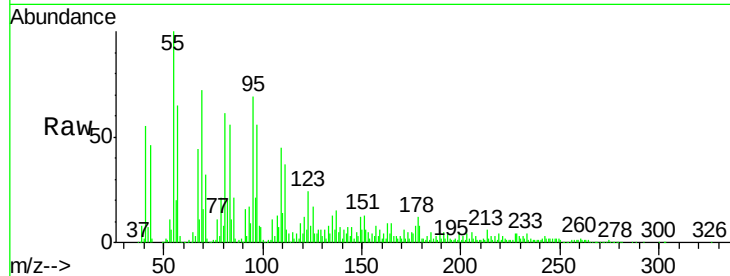
#72
 Anthracene
 Concen: 2.29 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Tgt Ion	Ratio	Lower	Upper
178	100		
176	30.0	15.7	23.5#
179	63.5	13.0	19.6#

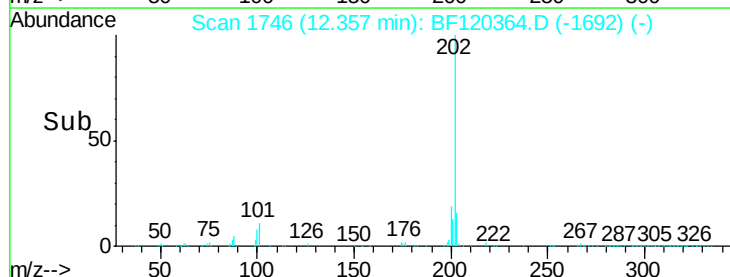
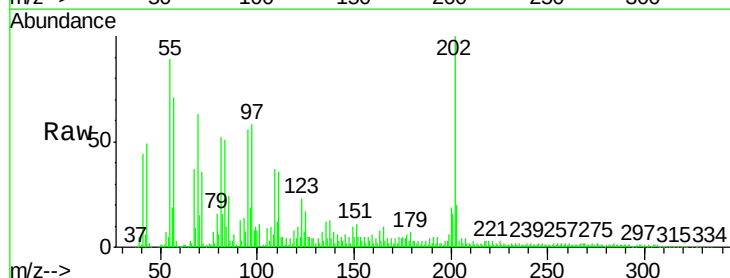
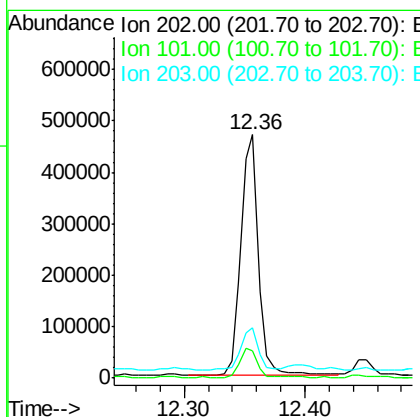
Manual Integrations
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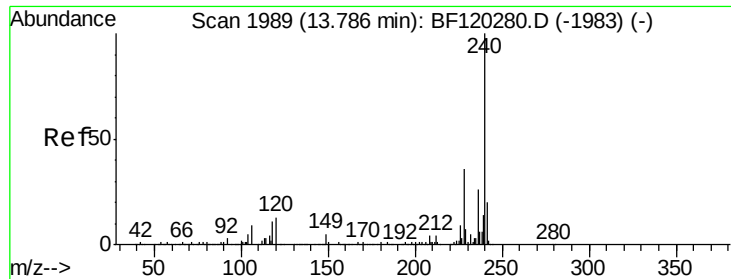
mohammad
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#75
 Fluoranthene
 Concen: 18.77 ng
 RT: 12.36 min Scan# 1746
 Delta R.T. 0.02 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	20.5	0.0	39.1





#76

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

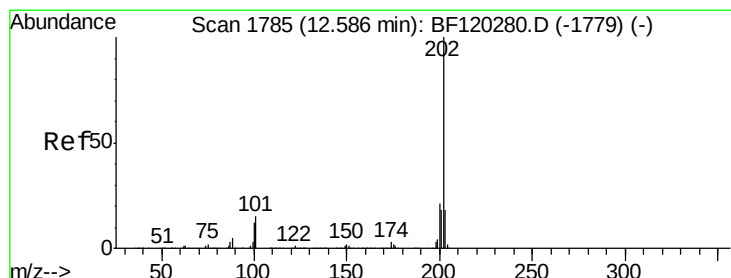
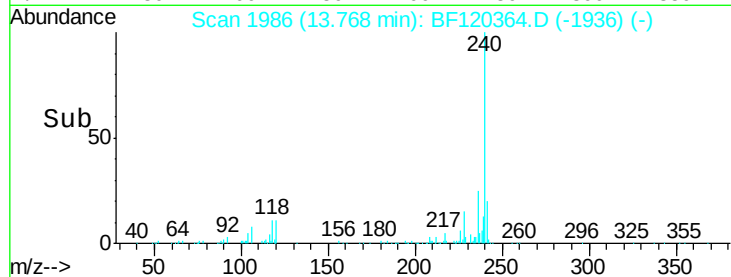
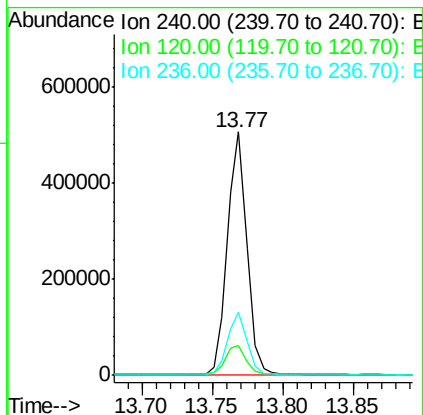
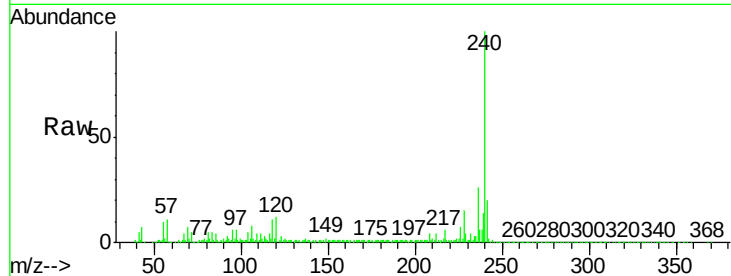
ClientSampleId :

VNJ-214

Tgt Ion:	240	Resp:	485691
Ion Ratio	Lower	Upper	
240	100		
120	12.3	10.4	15.6
236	25.8	21.0	31.6

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#78

Pyrene

Concen: 13.30 ng

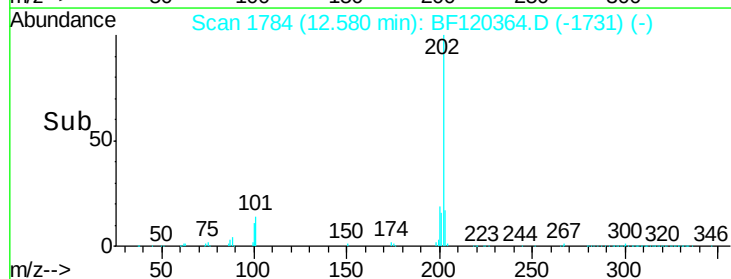
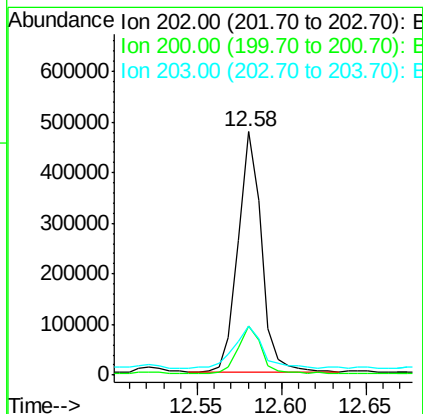
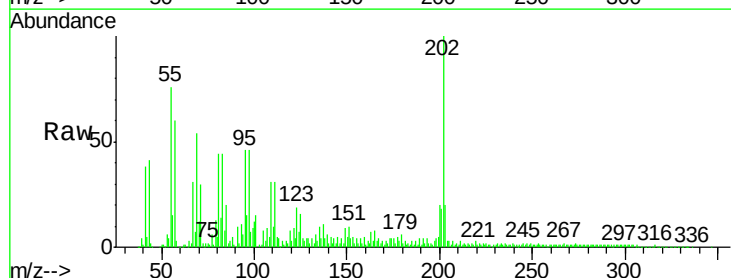
RT: 12.58 min Scan# 1784

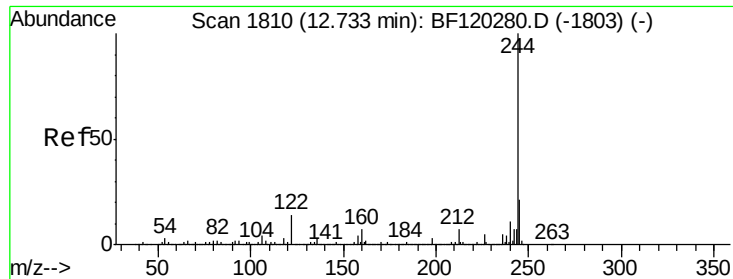
Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:	202	Resp:	460548
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.6	25.0
203	20.3	14.6	22.0





#79

Terphenyl-d14

Concen: 31.85 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

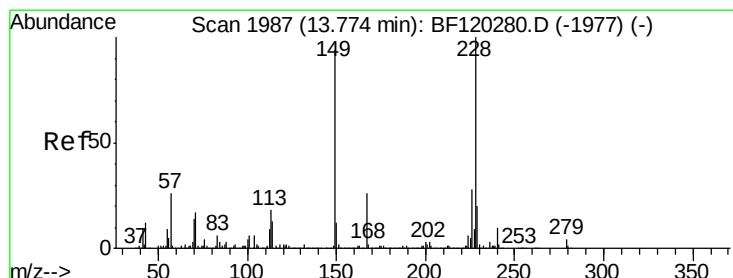
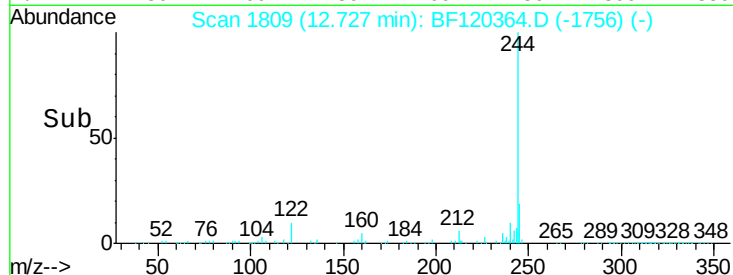
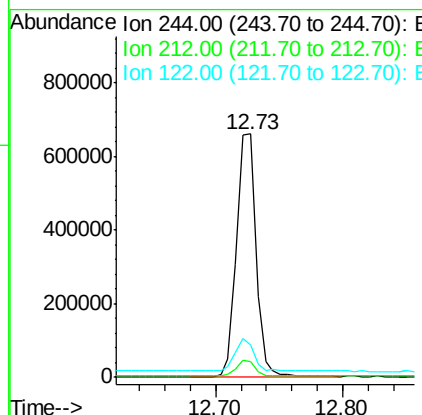
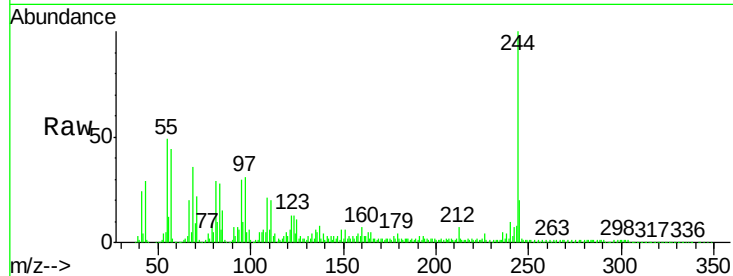
ClientSampleId :

VNJ-214

Tgt Ion:	244	Resp:	700232
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.8	8.6
122	13.3	10.8	16.2

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#81

Benzo(a)anthracene

Concen: 12.01 ng m

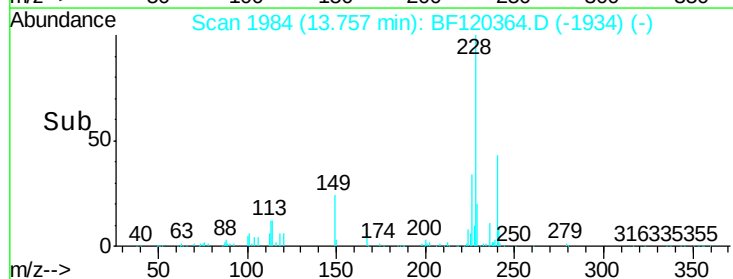
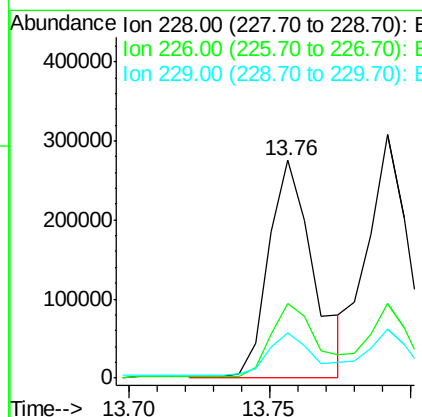
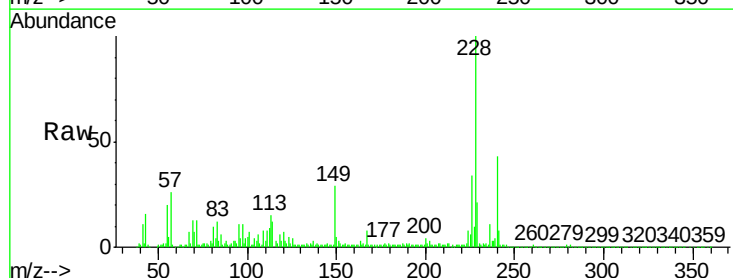
RT: 13.76 min Scan# 1984

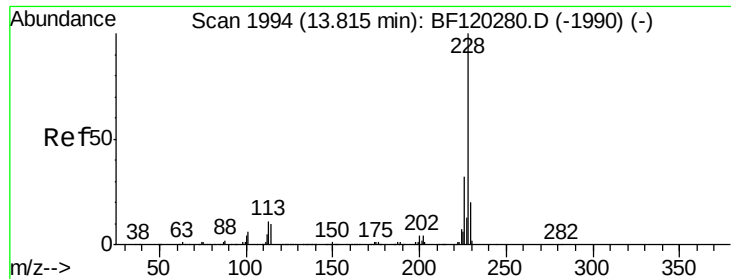
Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:	228	Resp:	307592
Ion Ratio		Lower	Upper
228	100		
226	34.4	22.6	33.8#
229	20.8	16.4	24.6





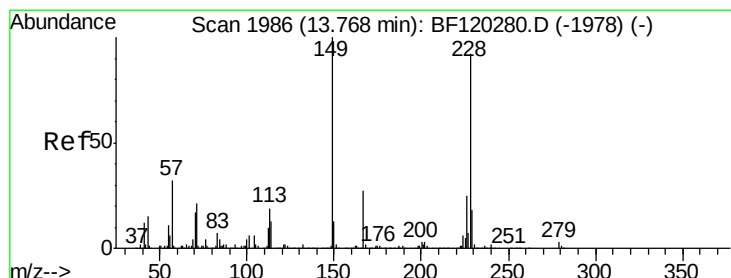
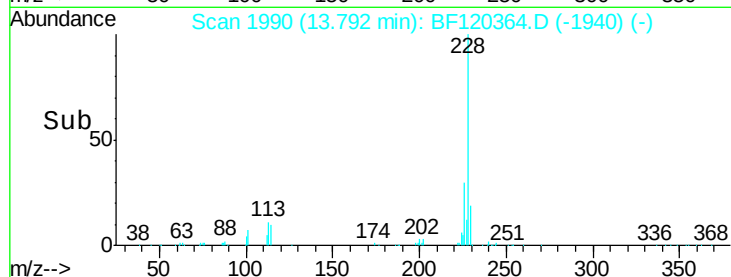
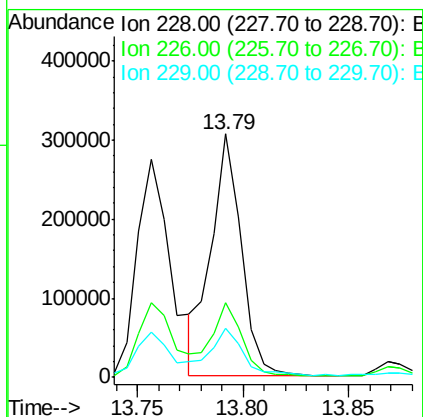
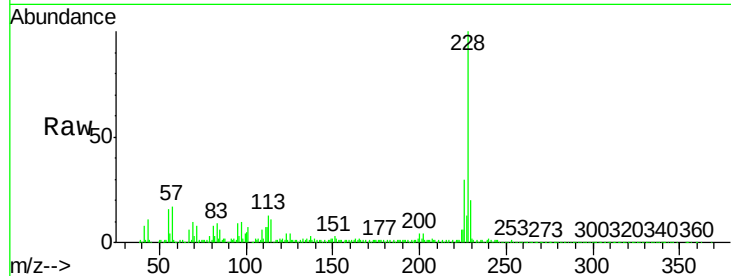
#83
Chrysene
Concen: 11.17 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	307201		
226	30.5	25.0	37.6	
229	20.3	16.2	24.4	

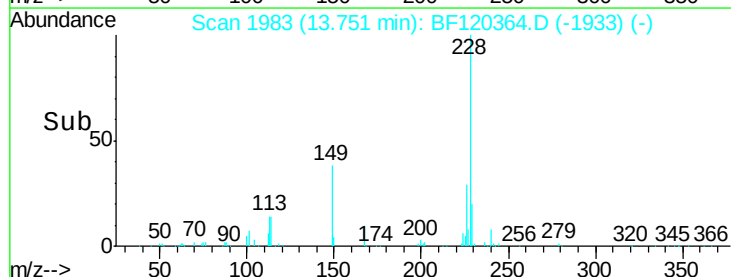
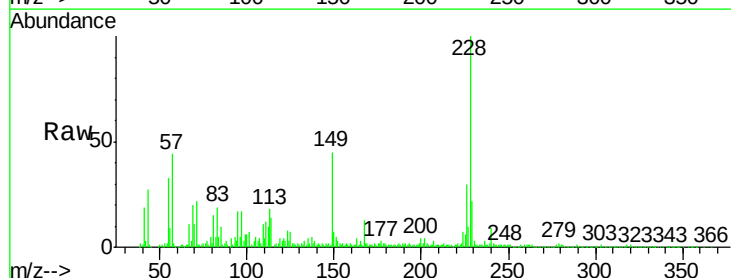
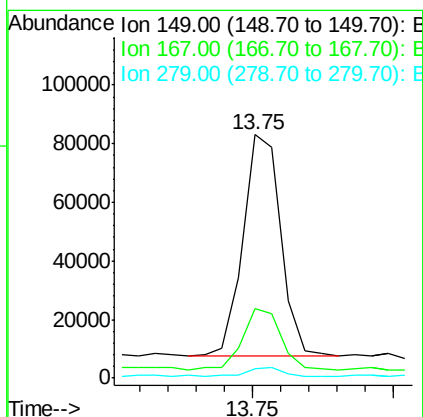
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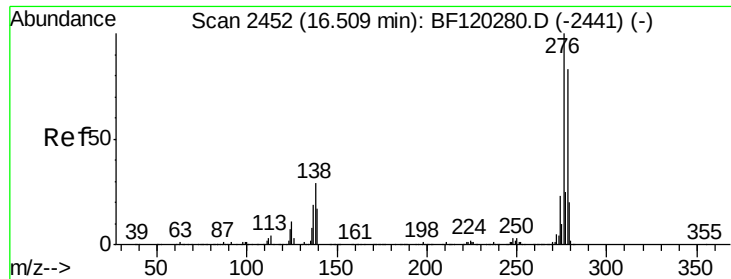
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.47 ng
RT: 13.75 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	70486		
167	28.5	21.8	32.8	
279	3.7	2.8	4.2	





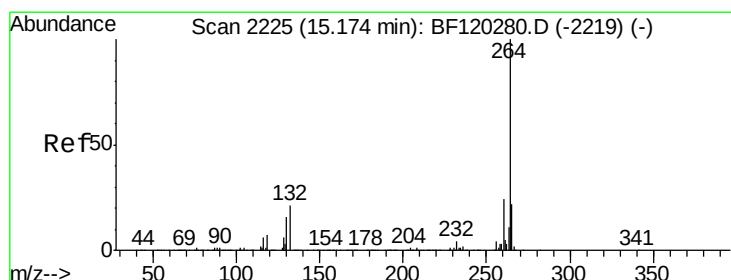
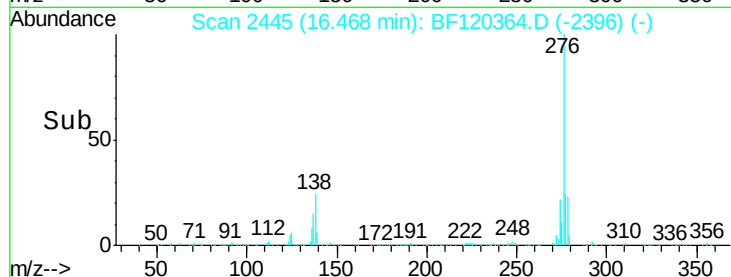
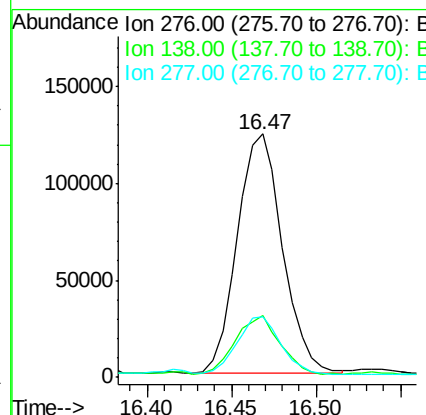
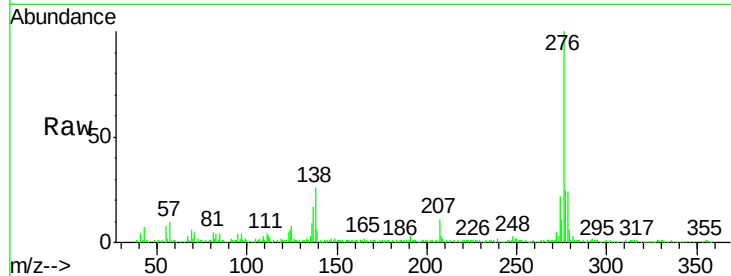
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.24 ng
 RT: 16.47 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	230572		
138	24.3		23.3	34.9
277	24.7		20.2	30.4

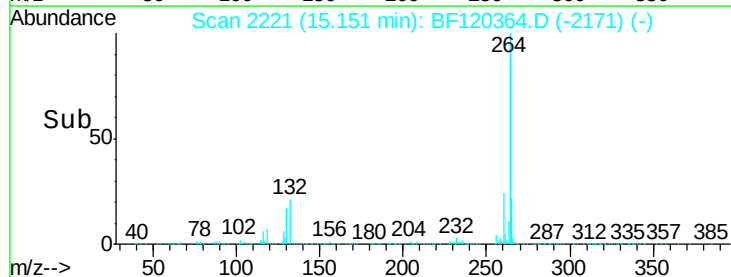
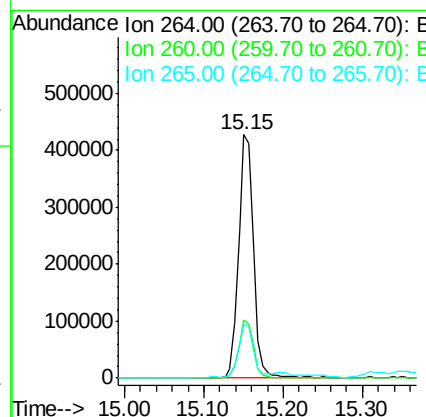
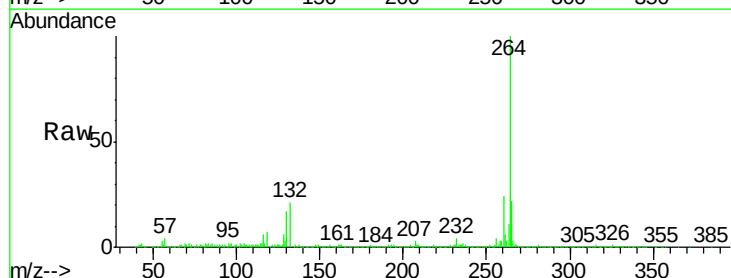
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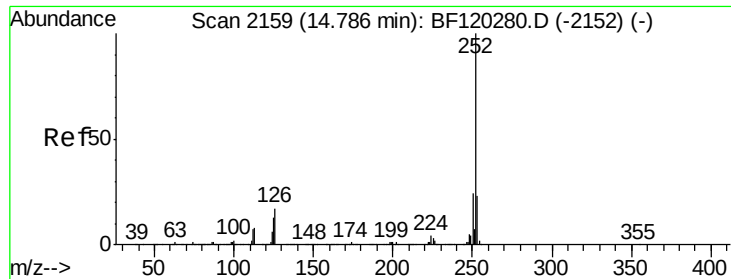
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#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	553285		
260	23.9		19.0	28.6
265	22.5		17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 14.52 ng m

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

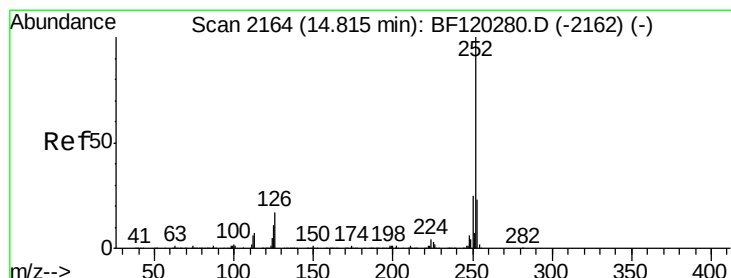
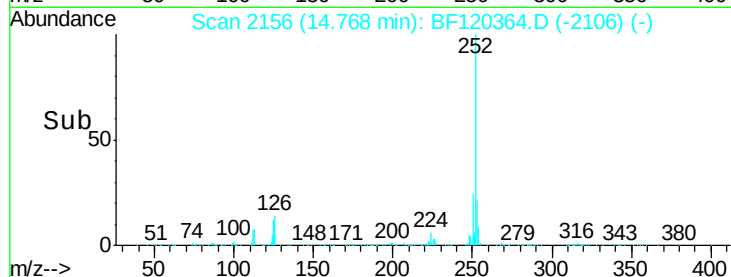
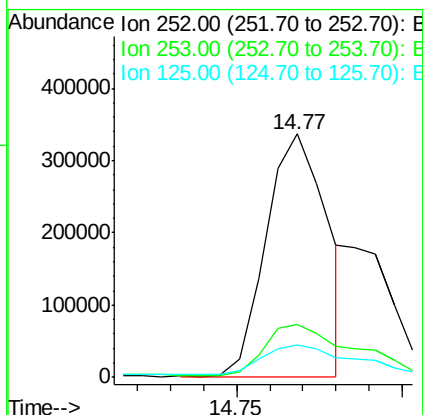
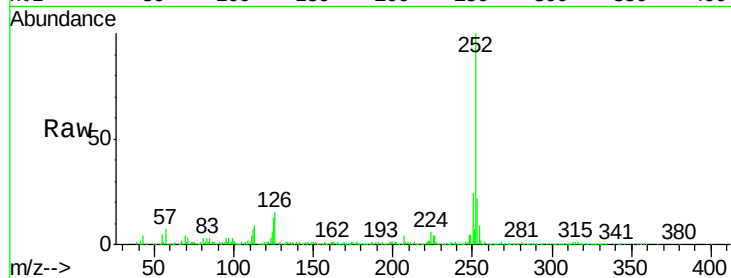
ClientSampleId :

VNJ-214

Tgt Ion:	252	Resp:	438731
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	13.3	10.4	15.6

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#89

Benzo(k)fluoranthene

Concen: 6.75 ng m

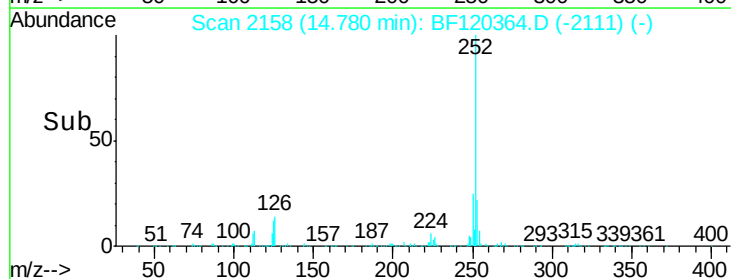
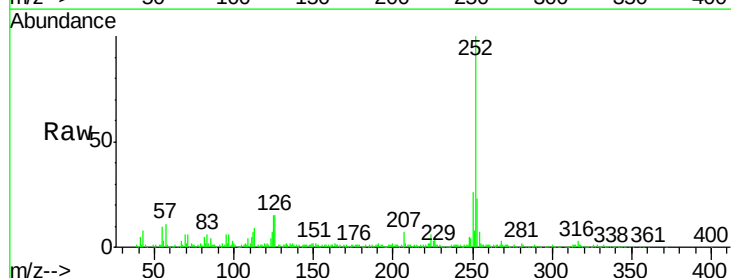
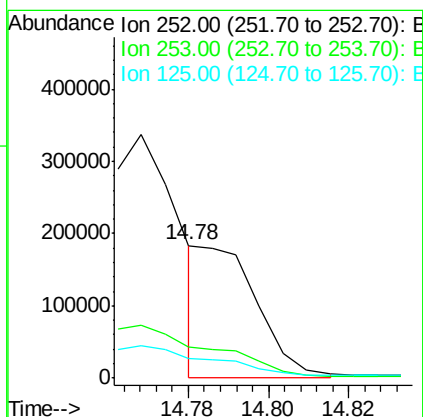
RT: 14.78 min Scan# 2158

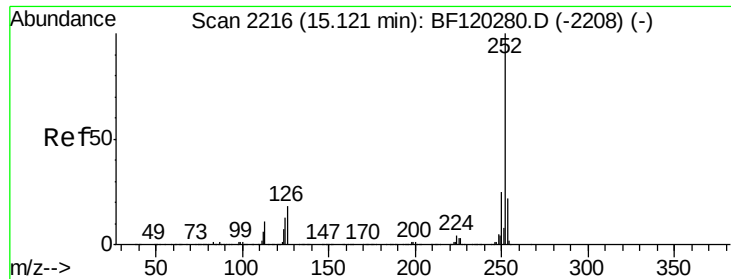
Delta R.T. -0.02 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:	252	Resp:	176727
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	15.3	9.9	14.9





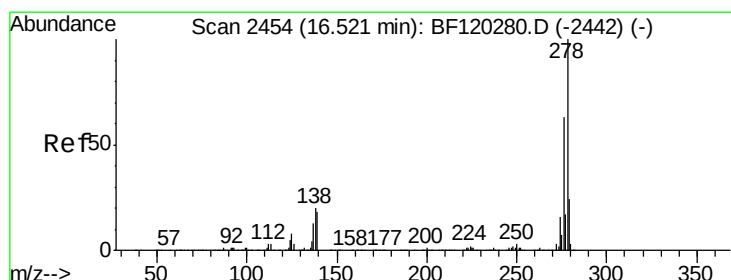
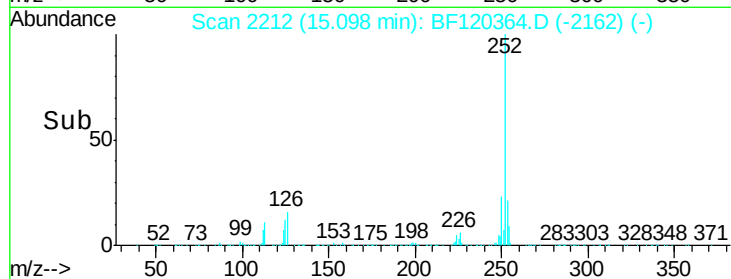
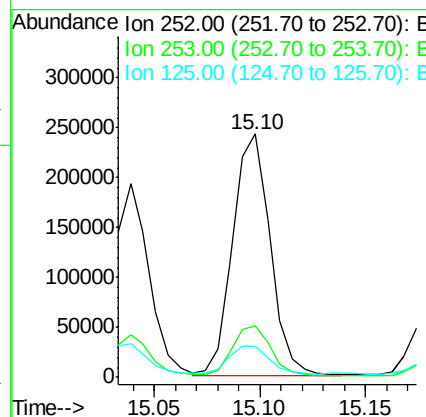
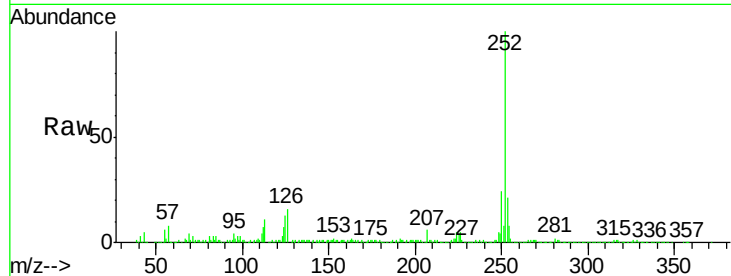
#90
Benzo(a)pyrene
Concen: 10.98 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	297560		
253	21.3		17.6	26.4
125	12.9		10.6	16.0

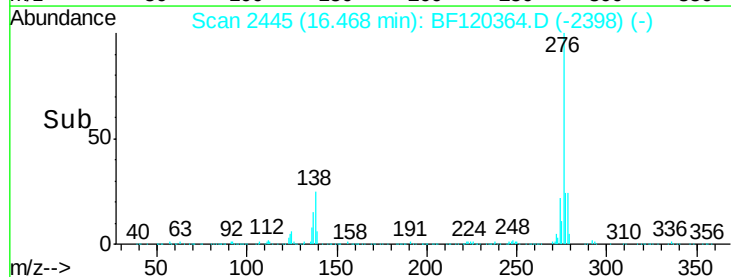
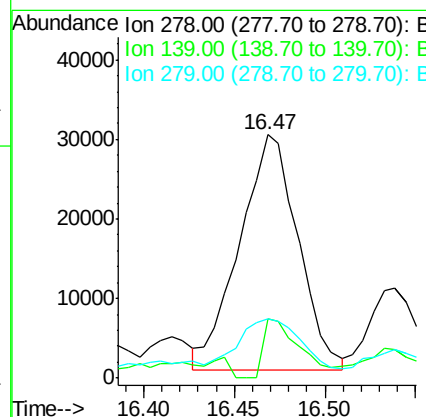
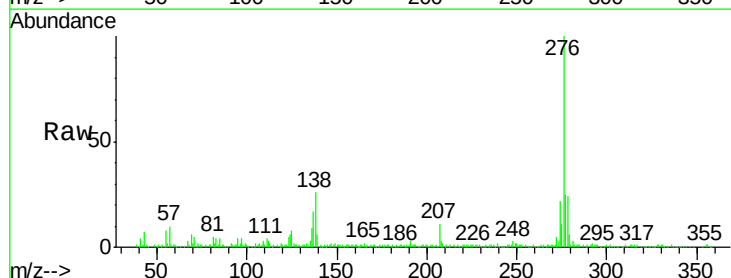
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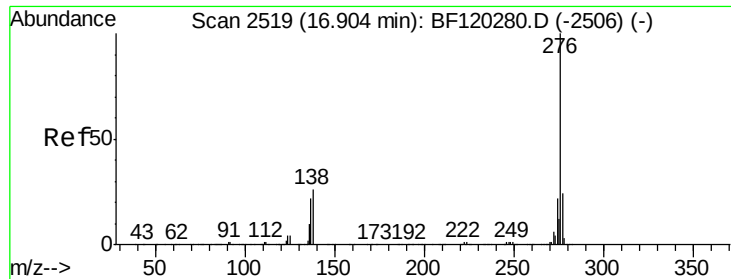
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#91
Dibenzo(a,h)anthracene
Concen: 2.77 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	66467		
139	24.6		14.7	22.1#
279	24.2		19.2	28.8





#92
 Benzo(g,h,i)perylene
 Concen: 9.21 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. -0.02 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Tgt	Ion	276	Resp:	223039
	Ratio	100	Lower	Upper
	276	100		
	277	24.7	19.1	28.7
	138	25.1	20.8	31.2

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