

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
 Data File : BF120208.D
 Acq On : 24 Apr 2020 17:59
 Operator : MA/SJ
 Sample : L2383-04
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Manual Integrations
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 4/27/2020 3:04:55 PM

Quant Time: Apr 24 18:45:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	121261	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	476247	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	202212	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	303641	20.00	ng	0.00
76) Chrysene-d12	13.83	240	220493	20.00	ng	0.00
87) Perylene-d12	15.23	264	209813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	606060	86.37	ng	0.00
7) Phenol-d6	6.32	99	752652	83.25	ng	0.00
23) Nitrobenzene-d5	7.23	82	497672	54.06	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	142333	57.49	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	904407	63.50	ng	0.00
79) Terphenyl-d14	12.78	244	753753	57.52	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.97	128	462835	18.471	ng	97
37) 2-Methylnaphthalene	8.66	142	81081	4.773	ng	98
38) 1-Methylnaphthalene	8.76	142	49751	3.107	ng	97
50) Dimethylphthalate	9.43	163	117456	7.510	ng	99
52) Acenaphthene	9.74	154	76898	5.765	ng	92
55) Dibenzofuran	9.91	168	66661	3.642	ng	97
58) Fluorene	10.25	166	53451	3.651	ng	# 92
71) Phenanthrene	11.22	178	201017	12.439	ng	# 93
72) Anthracene	11.27	178	68383	4.142	ng	# 89
75) Fluoranthene	12.41	202	530766	30.440	ng	97
78) Pyrene	12.63	202	549380	29.556	ng	99
81) Benzo(a)anthracene	13.82	228	274372	18.915	ng	97
83) Chrysene	13.85	228	250265	16.980	ng	97
86) Indeno(1,2,3-cd)pyrene	16.57	276	116955	9.002	ng	95
88) Benzo(b)fluoranthene	14.83	252	300652m	19.919	ng	
89) Benzo(k)fluoranthene	14.86	252	86313m	6.628	ng	
90) Benzo(a)pyrene	15.17	252	223564	17.617	ng	98
91) Dibenzo(a,h)anthracene	16.58	278	29702	2.642	ng	# 82
92) Benzo(a,h,i)perylene	16.98	276	107225	9.663	ng	93

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

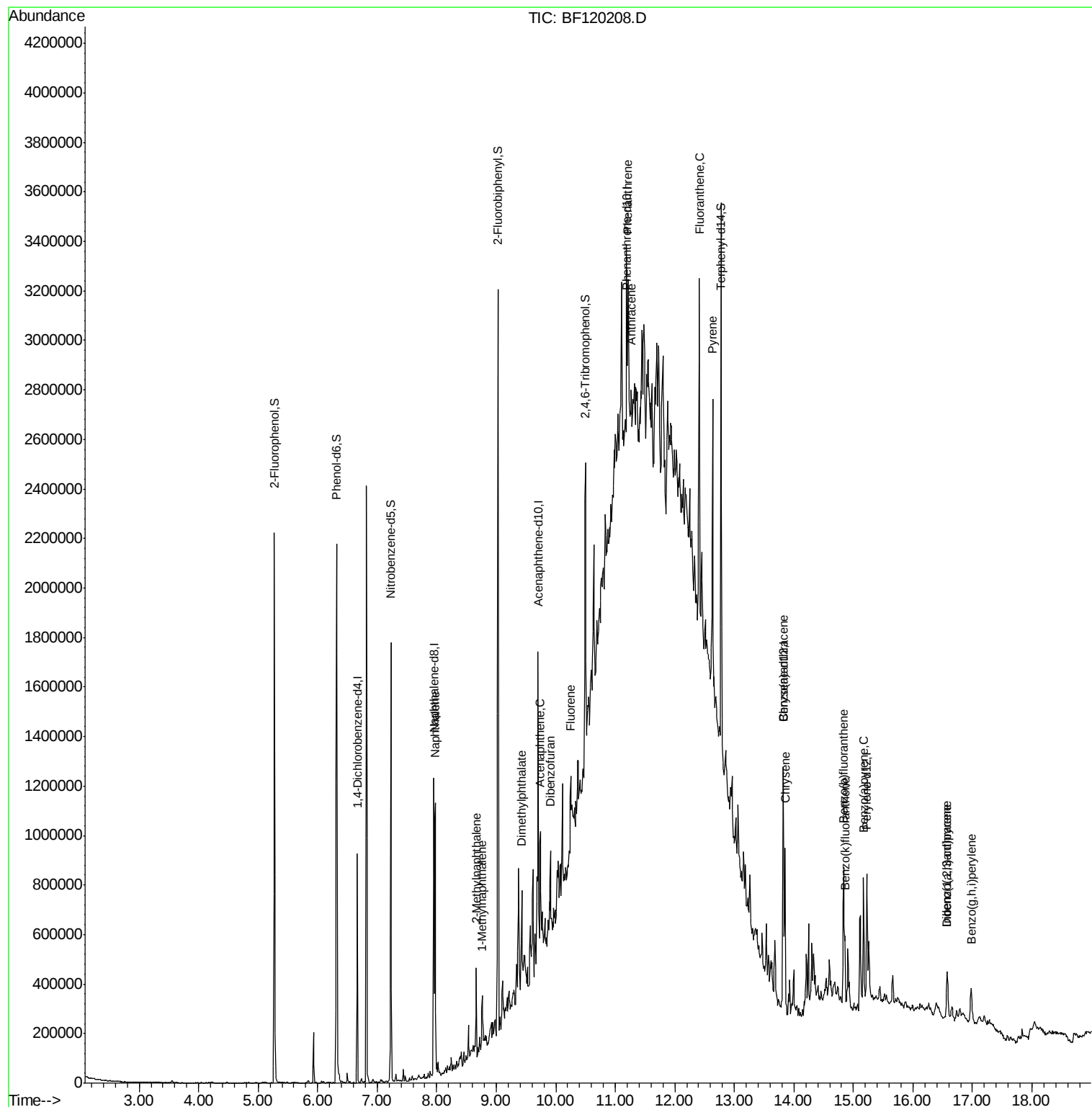
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120208.D
Acq On : 24 Apr 2020 17:59
Operator : MA/SJ
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Misc :
ALS Vial : 46 Sample Multiplier: 1

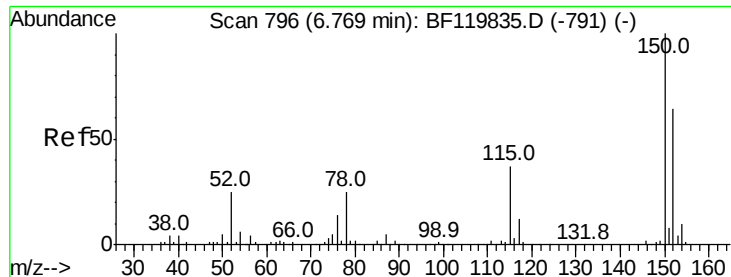
Instrument :
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VNJ-239

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

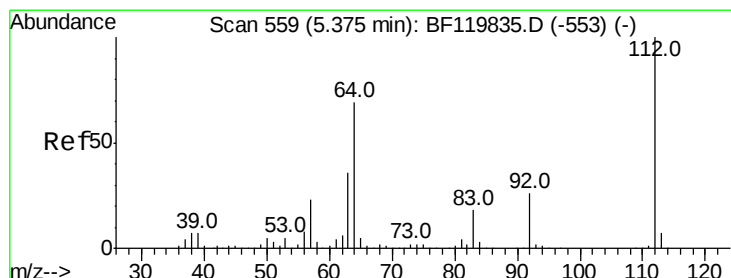
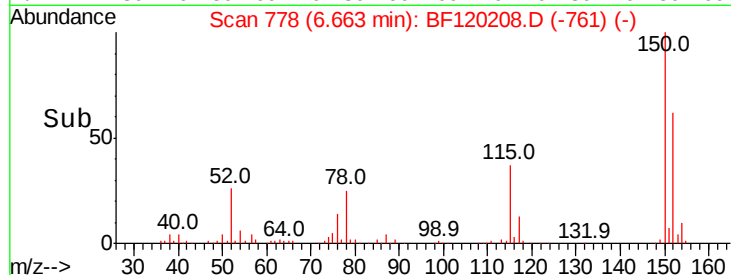
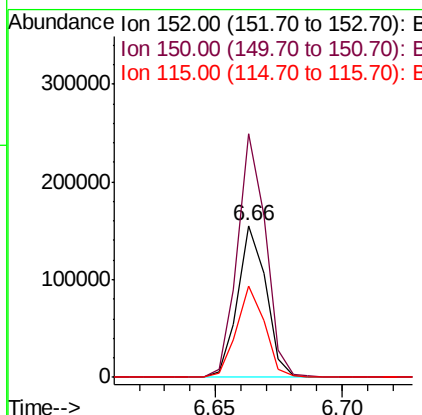
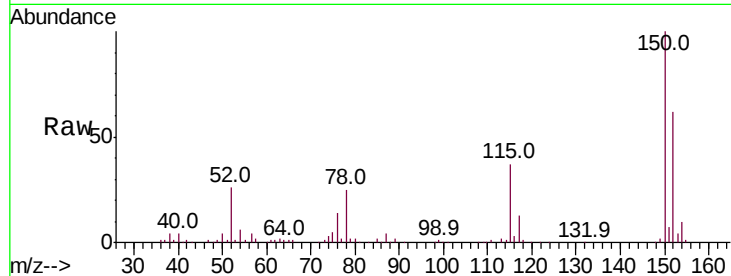
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.5	186.7
115	60.1	49.6	74.4

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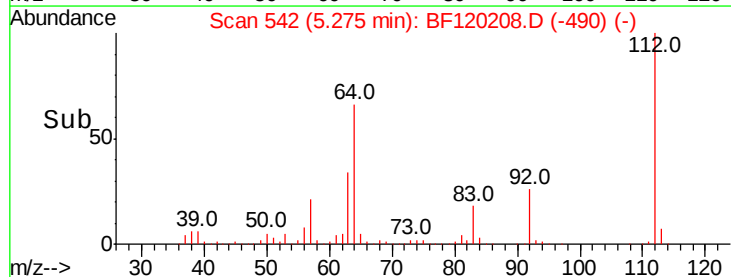
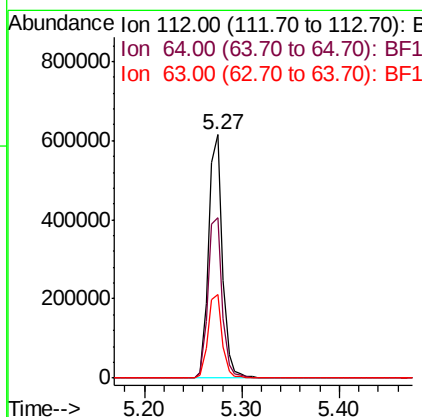
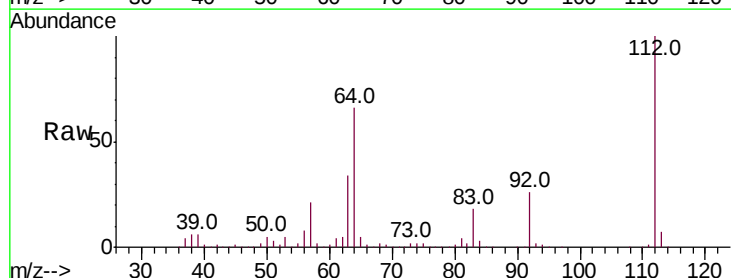
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#5

2-Fluorophenol
Concen: 86.374 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.7	85.1
63	34.1	29.5	44.3





#7

Phenol-d6

Concen: 83.246 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

Instrument :

BNA_F

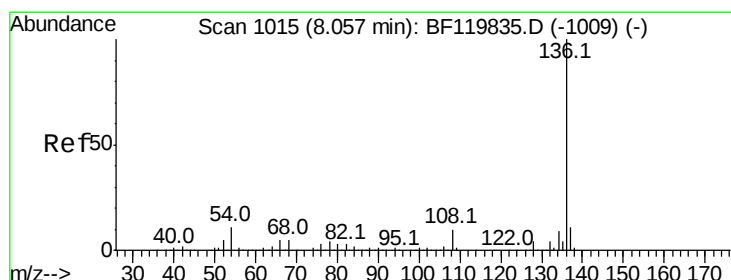
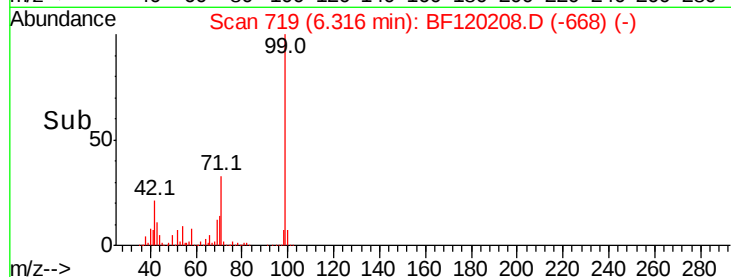
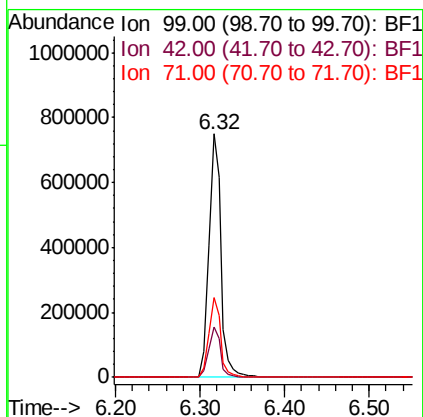
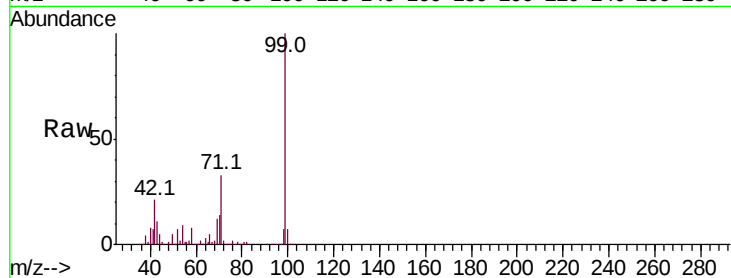
ClientSampled :

VNJ-239

Tot Ion:	99	Resp:	752652
Ion Ratio	Lower	Upper	
99	100		
42	20.7	16.6	24.8
71	32.8	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

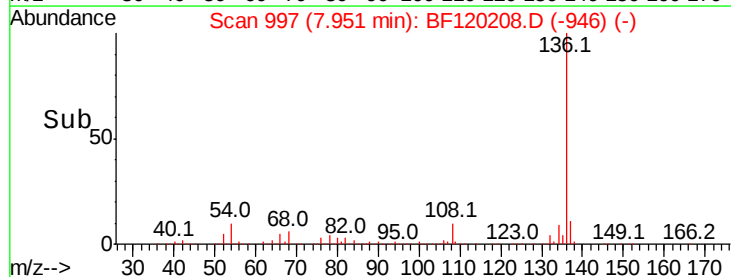
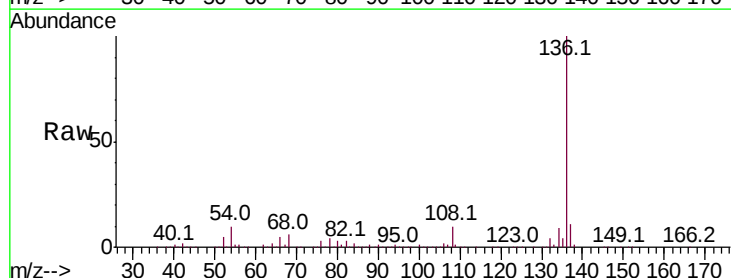
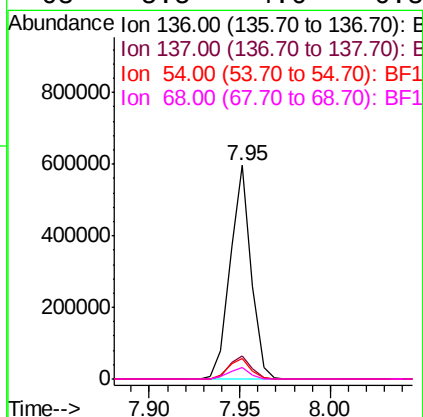
RT: 7.95 min Scan# 997

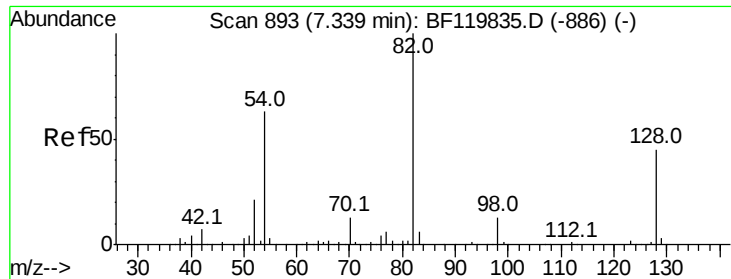
Delta R.T. 0.00 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

Tgt Ion:	136	Resp:	476247
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	9.6	9.1	13.7
68	5.5	4.6	6.8





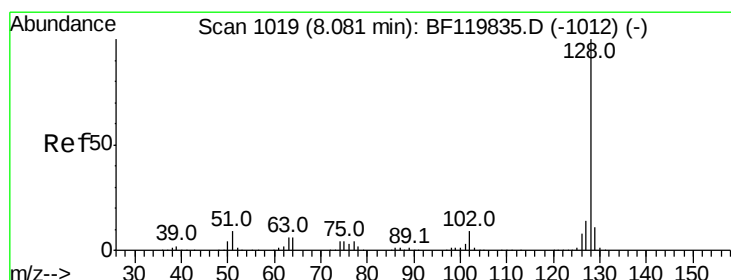
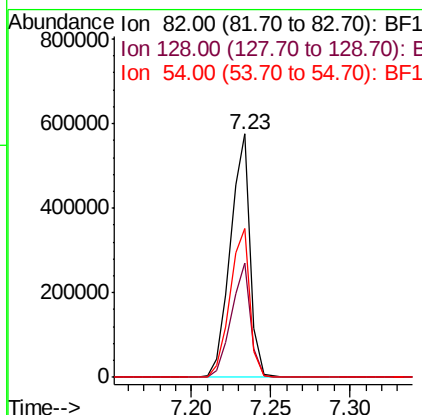
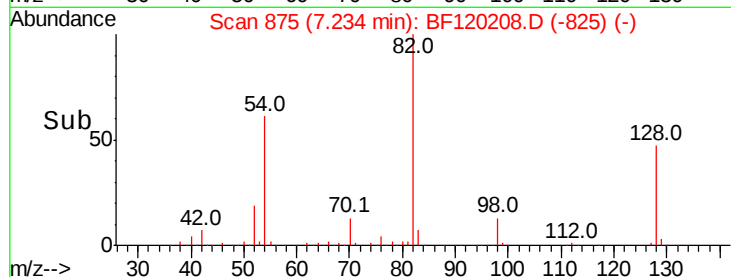
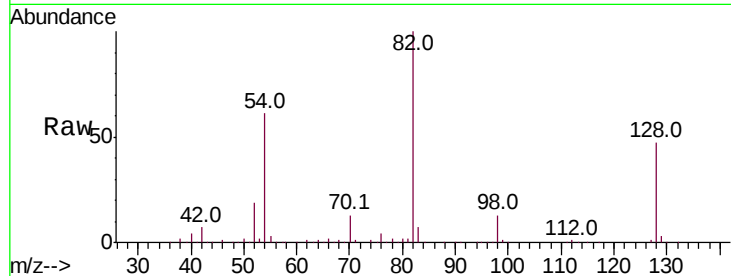
#23
 Nitrobenzene-d5
 Concen: 54.061 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF120208.D
 Acq: 24 Apr 2020 17:59

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Tot Ion:	82	Resp:	497672
Ion Ratio	Lower	Upper	
82	100		
128	47.1	36.3	54.5
54	61.4	50.6	75.8

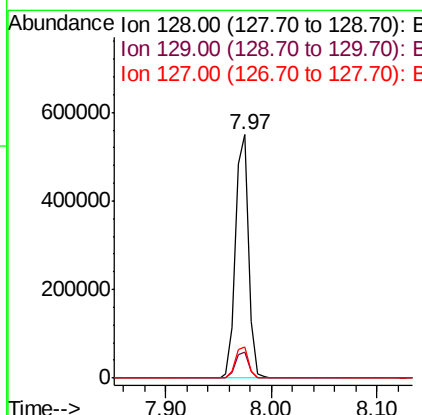
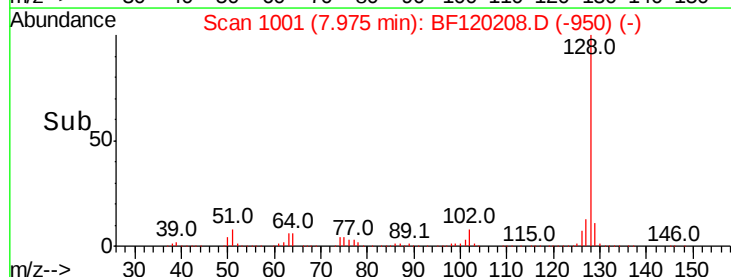
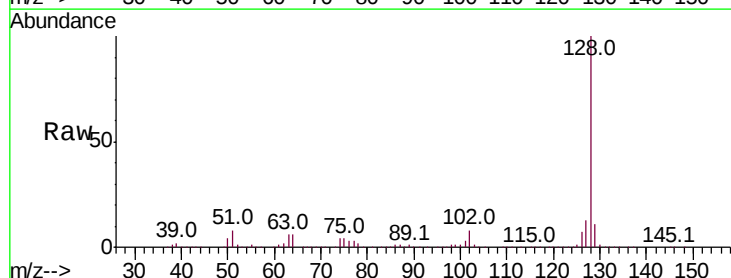
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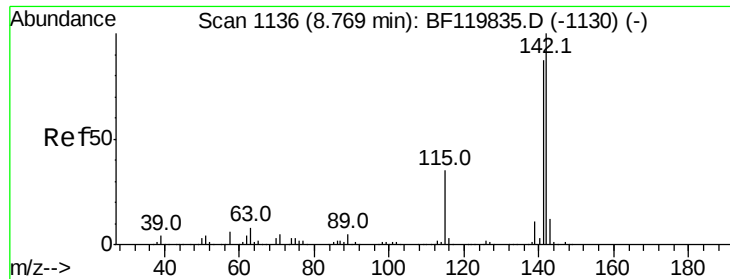
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#31
 Naphthalene
 Concen: 18.471 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF120208.D
 Acq: 24 Apr 2020 17:59

Tgt Ion:	128	Resp:	462835
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.5	14.3
127	12.7	11.3	16.9





#37

2-Methylnaphthalene

Concen: 4.773 ng

RT: 8.66 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF120208.D

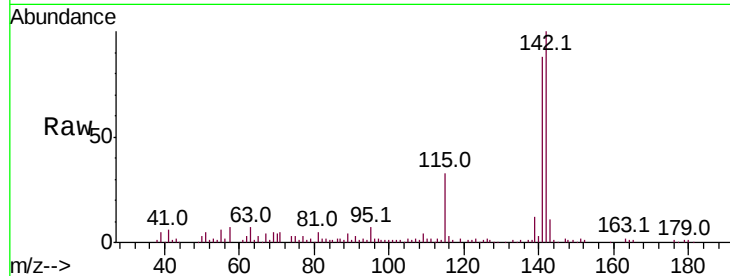
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampled :
VNJ-239

Tot Ion	Ratio	Resp	Lower	Upper
142	100	81081		
141	87.6	71.7	107.5	
115	33.0	27.9	41.9	

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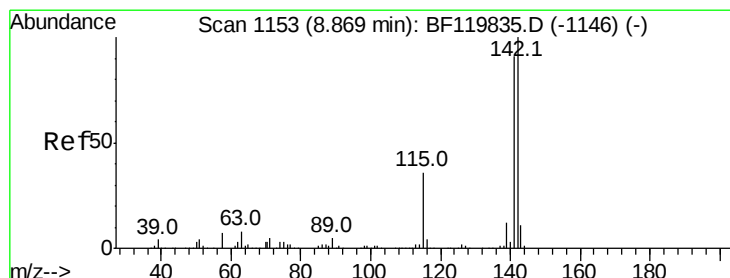
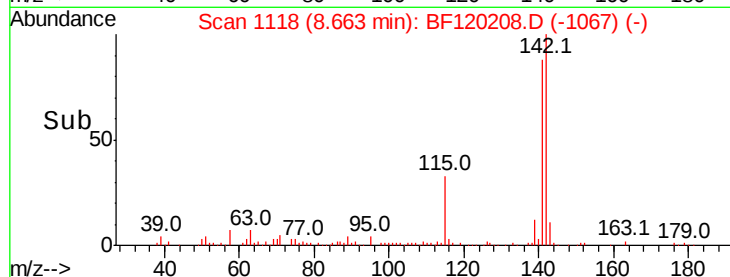
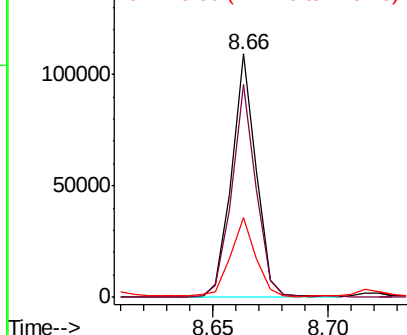


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 3.107 ng

RT: 8.76 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

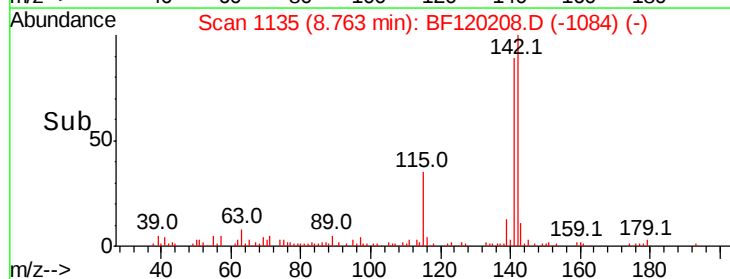
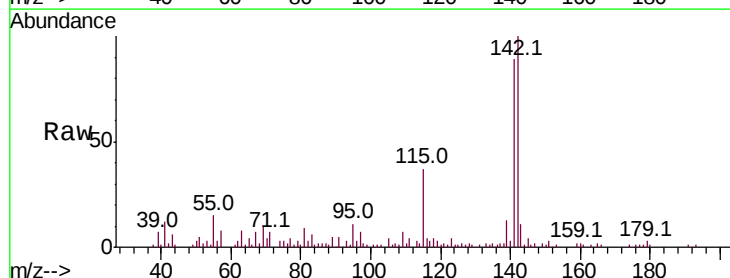
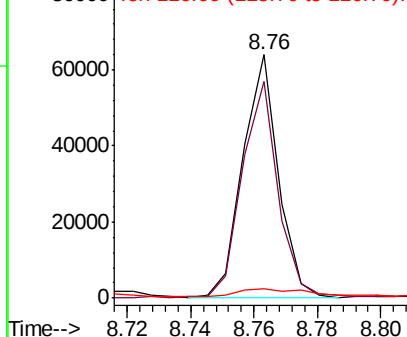
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	49751		
141	89.1	73.7	110.5	
116	4.1	3.0	4.6	

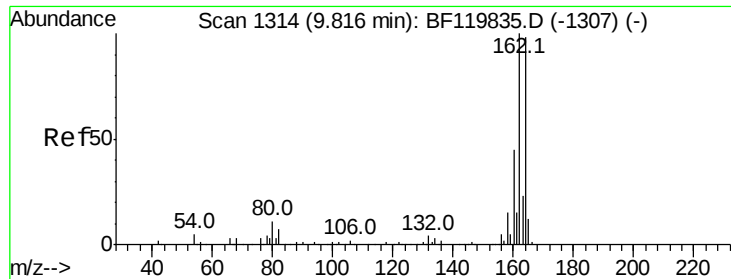
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





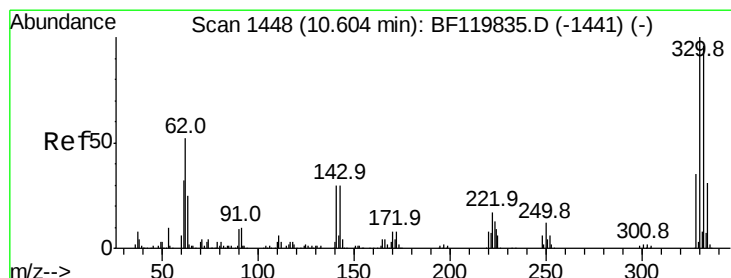
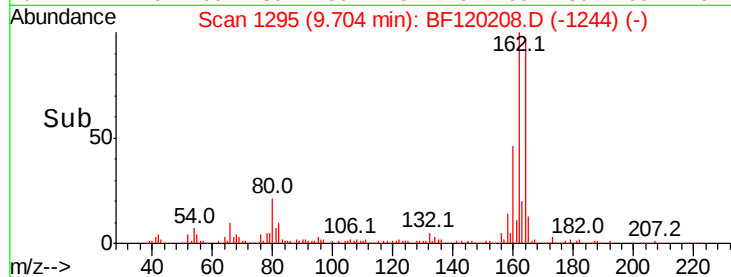
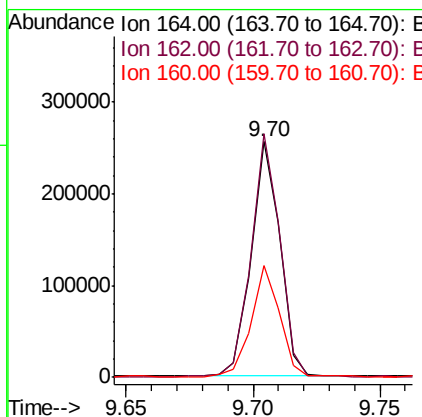
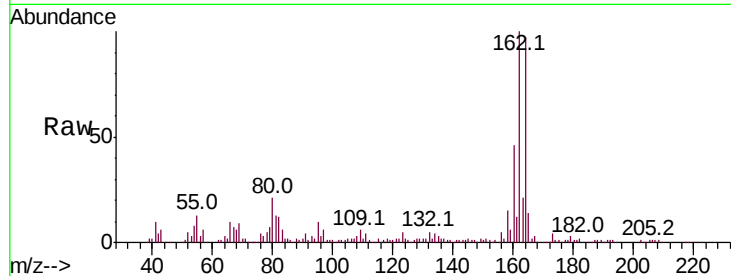
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	80.6	121.0	
160	47.2	35.7	53.5	

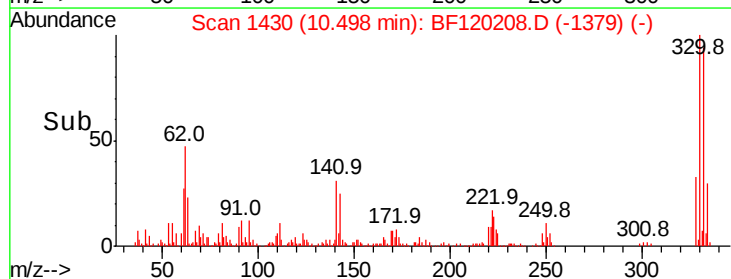
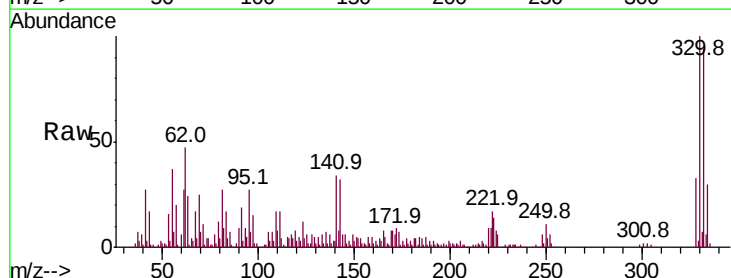
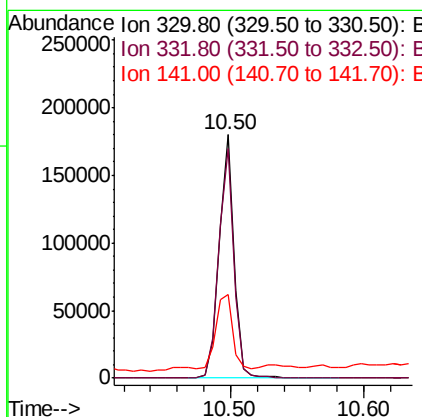
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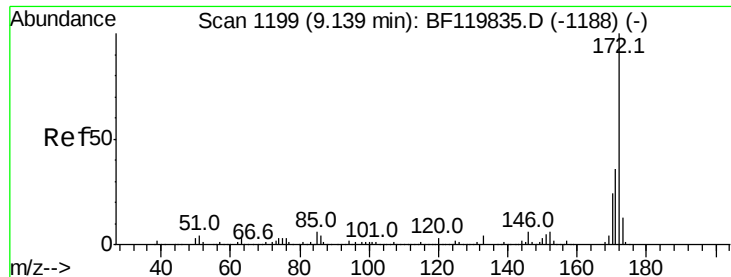
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#42
2,4,6-Tribromophenol
Concen: 57.491 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	75.7	113.5	
141	35.1	25.4	38.0	





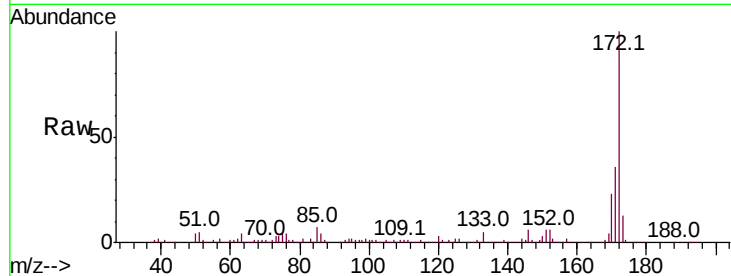
#45
2-Fluorobiphenyl
Concen: 63.501 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampled :
VNJ-239

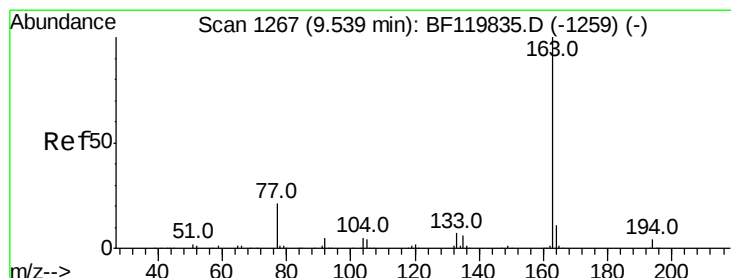
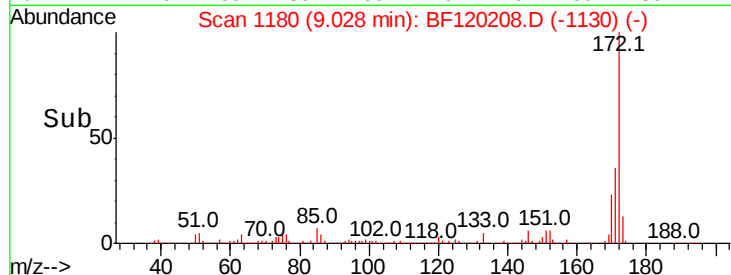
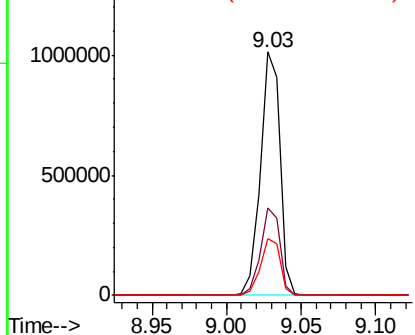
Tot Ion:	172	Resp:	904407
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.6	44.4
170	23.3	20.2	30.2

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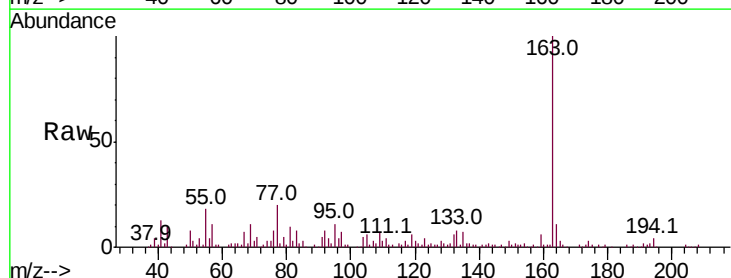


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

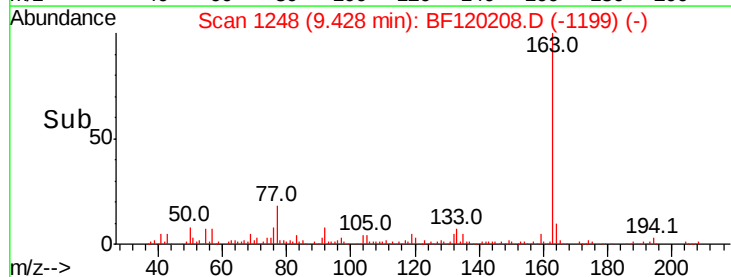
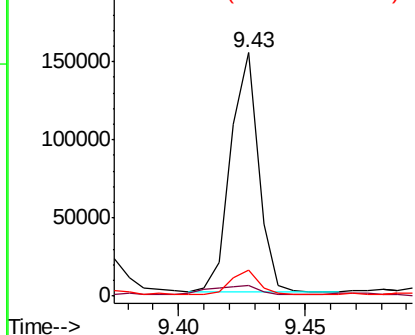


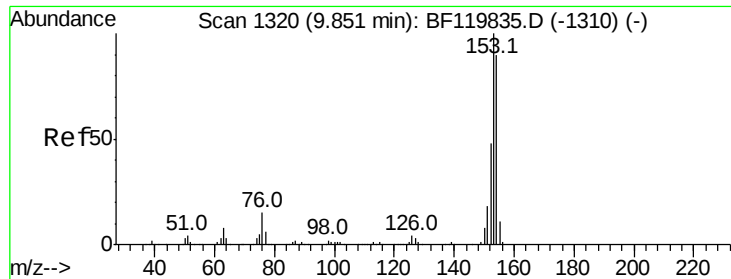
#50
Dimethylphthalate
Concen: 7.510 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion:	163	Resp:	117456
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.1	4.7
164	10.5	8.2	12.2



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





#52

Acenaphthene

Concen: 5.765 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

Instrument :

BNA_F

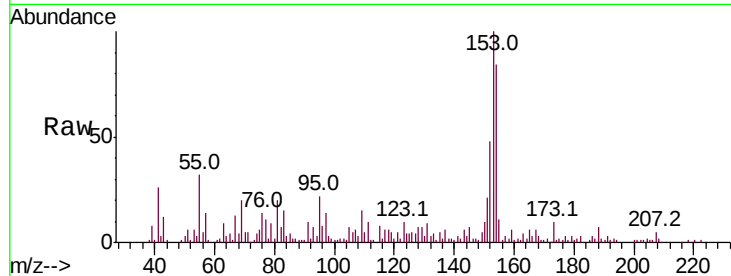
ClientSampleId :

VNJ-239

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.7	88.1	132.1
152	57.6	43.0	64.4

Manual Integrations
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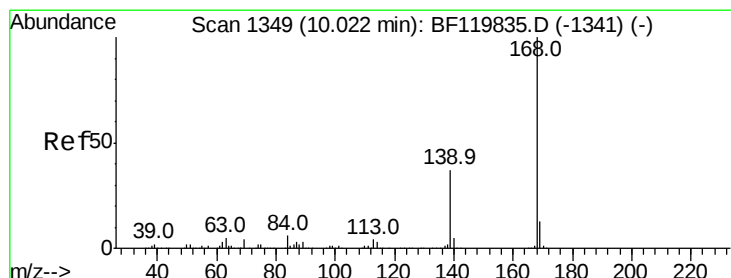
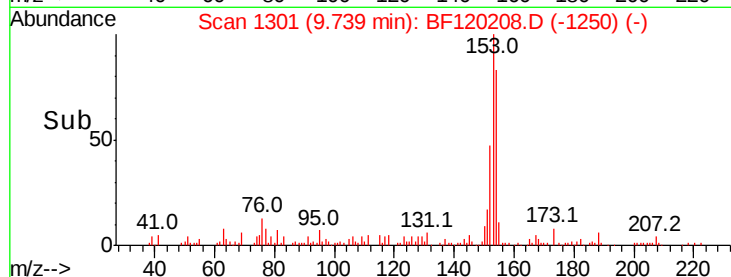
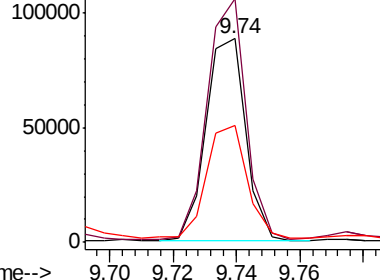


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.642 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

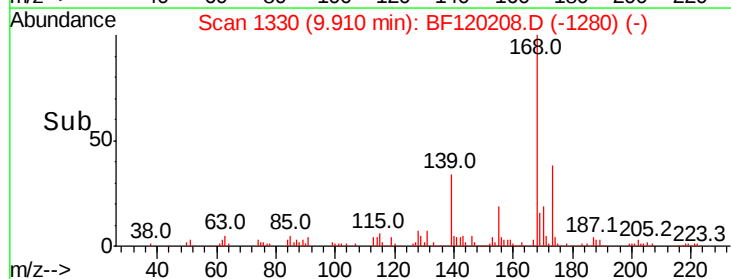
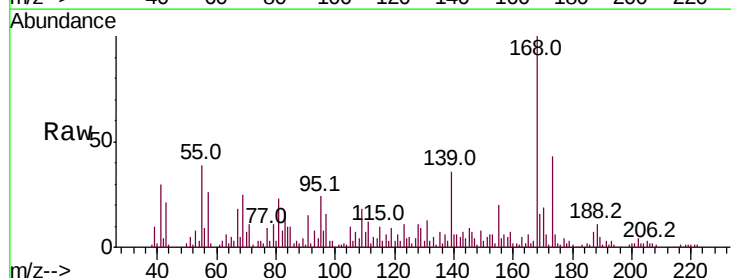
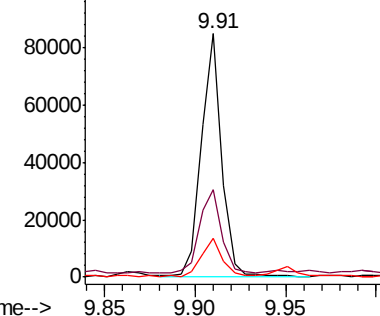
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.1	45.1
169	15.7	11.0	16.6

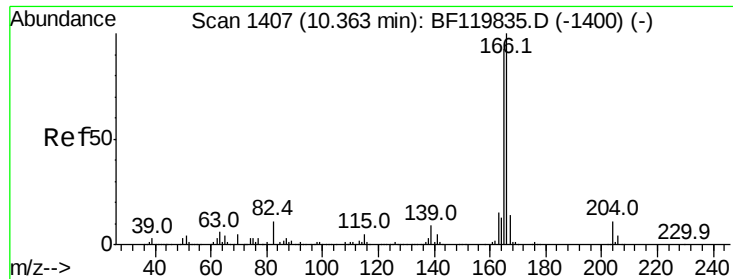
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





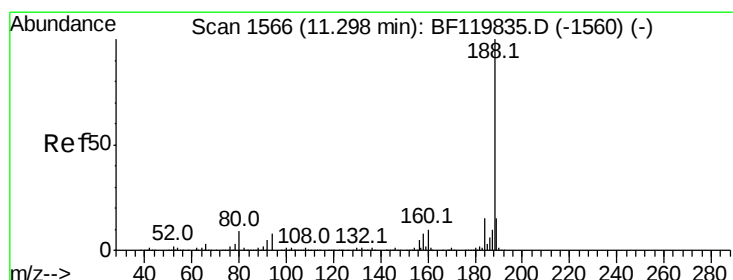
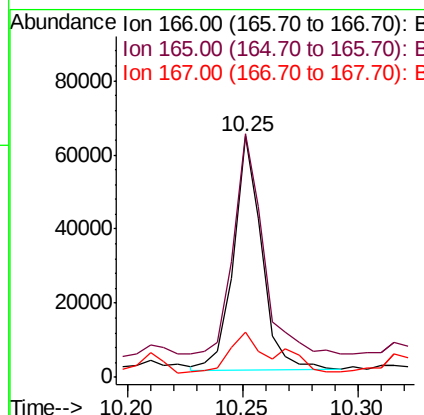
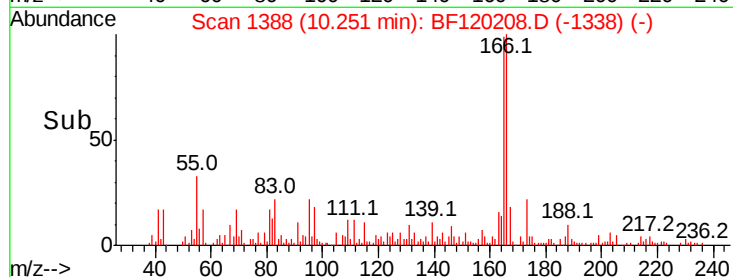
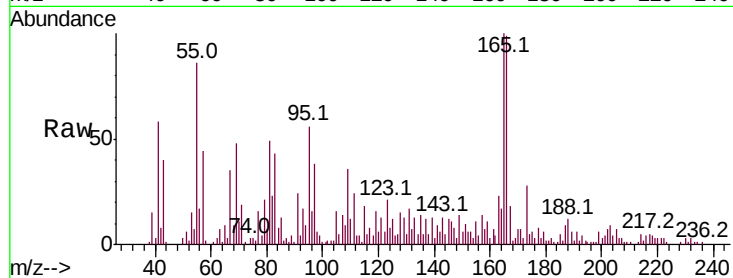
#58
 Fluorene
 Concen: 3.651 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120208.D
 Acq: 24 Apr 2020 17:59

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	75.4	113.2
167	18.6	11.2	16.8#

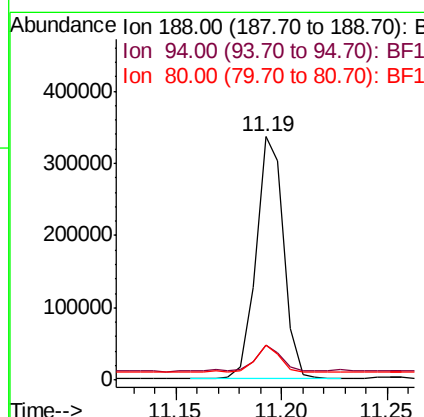
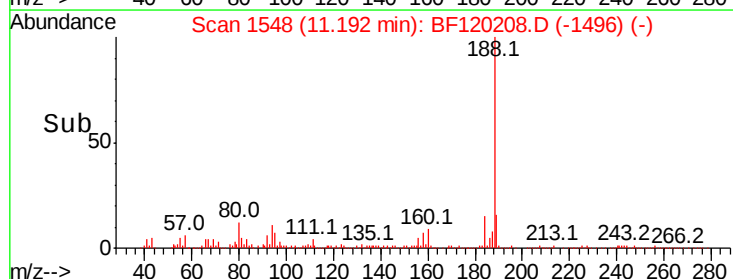
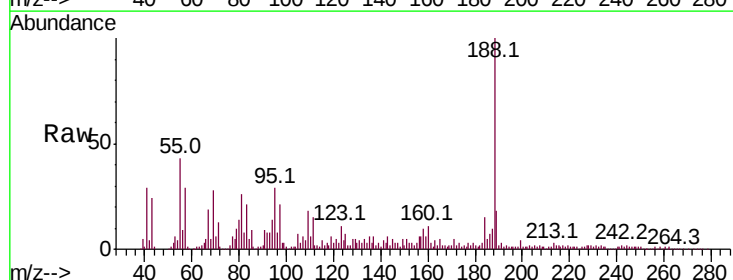
Manual Integrations
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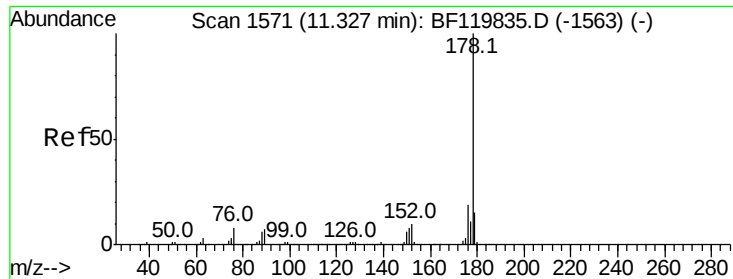
mohammad
 4/27/2020 3:04:55 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.01 min
 Lab File: BF120208.D
 Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.3	7.5	11.3#
80	14.2	9.0	13.4#





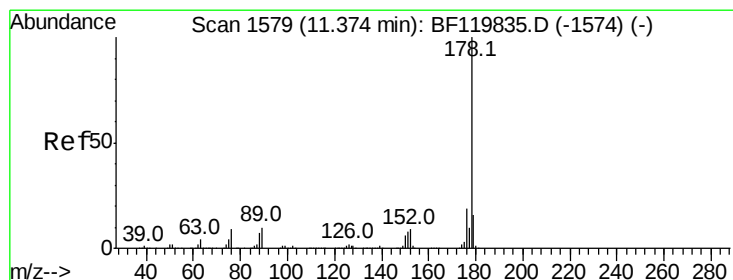
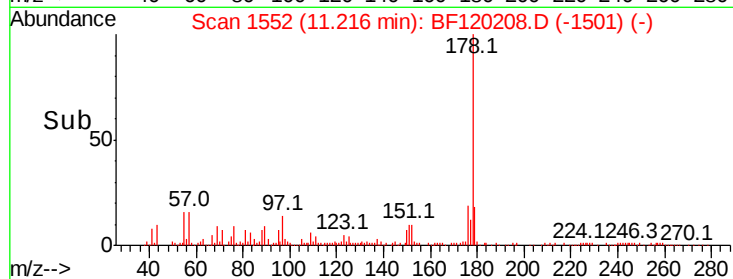
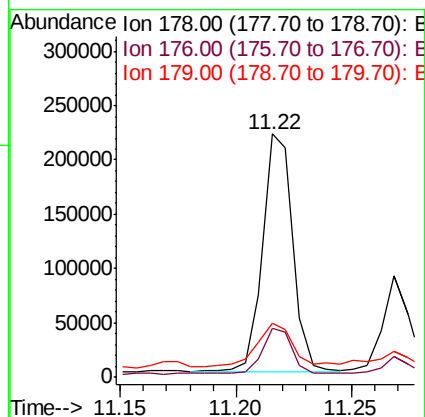
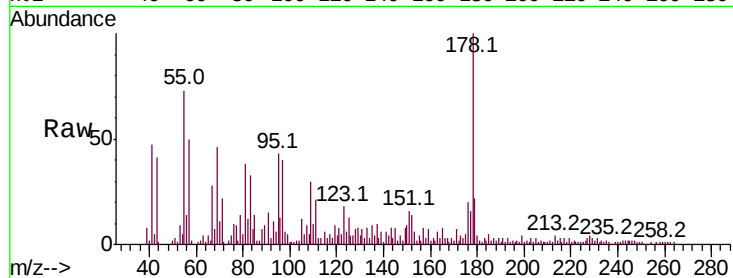
#71
Phenanthrene
Concen: 12.439 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	22.5	13.2	19.8

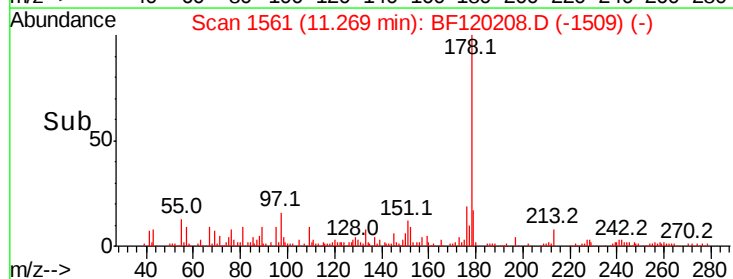
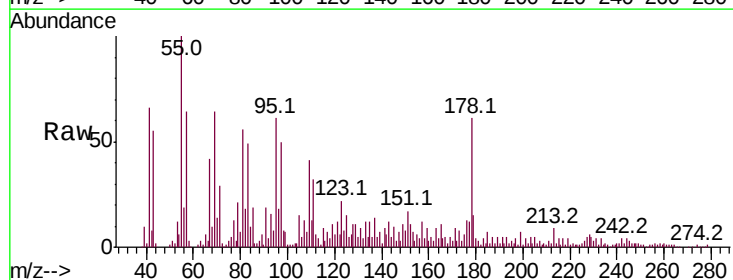
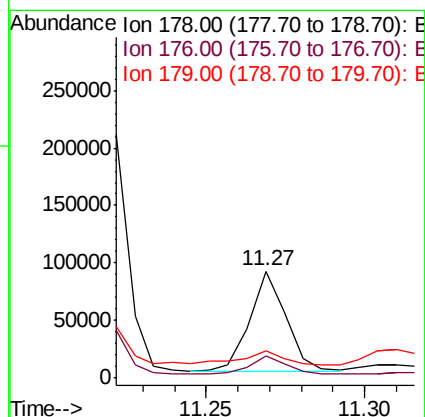
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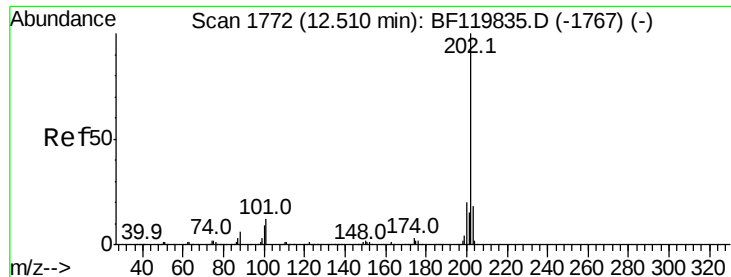
mohammad
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#72
Anthracene
Concen: 4.142 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.1	24.1
179	25.2	13.0	19.4





#75

Fluoranthene

Concen: 30.440 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.01 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

Instrument :

BNA_F

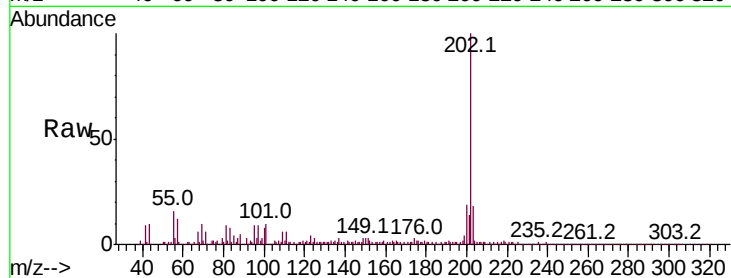
ClientSampleId :

VNJ-239

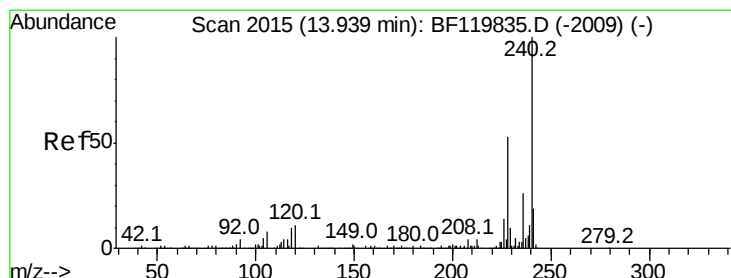
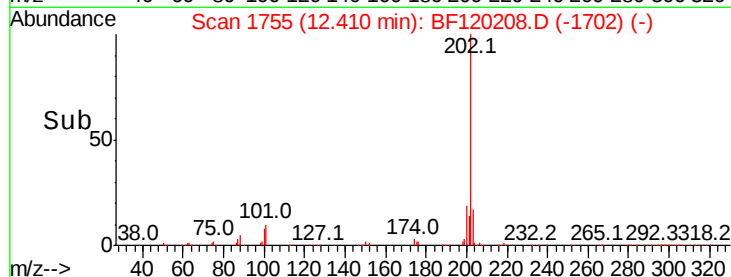
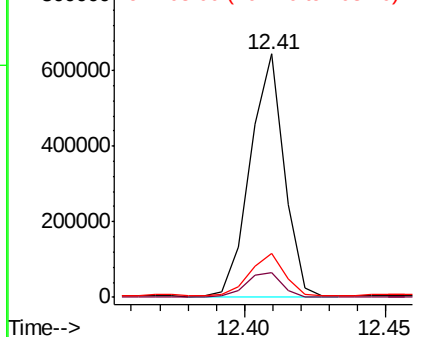
Tot Ion:	202	Resp:	530766
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	32.2
203	18.0	0.0	38.8

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

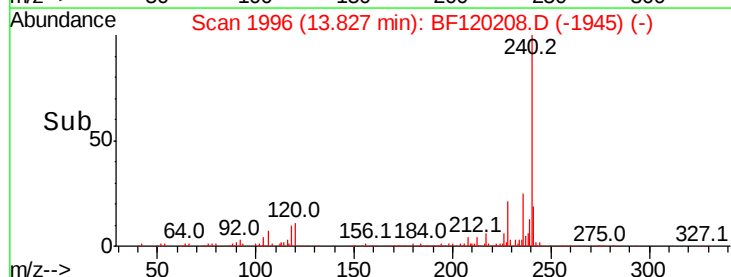
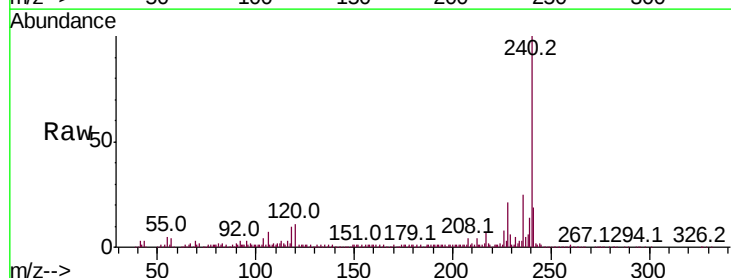
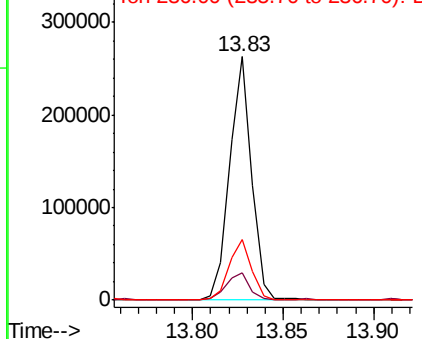
Delta R.T. 0.00 min

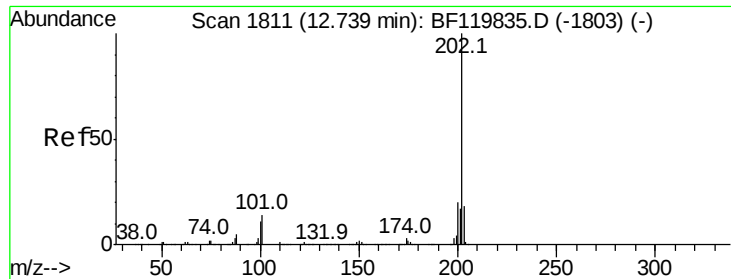
Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

Tgt Ion:	240	Resp:	220493
Ion Ratio	Lower	Upper	
240	100		
120	11.3	10.6	15.8
236	25.1	20.2	30.2

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





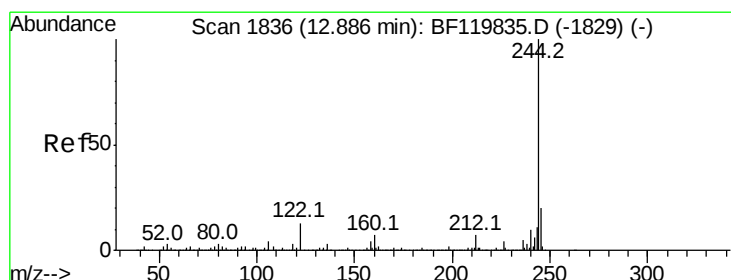
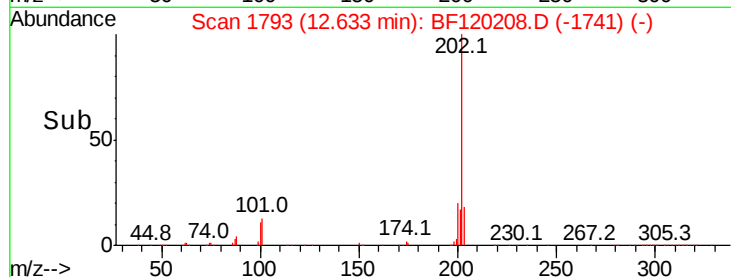
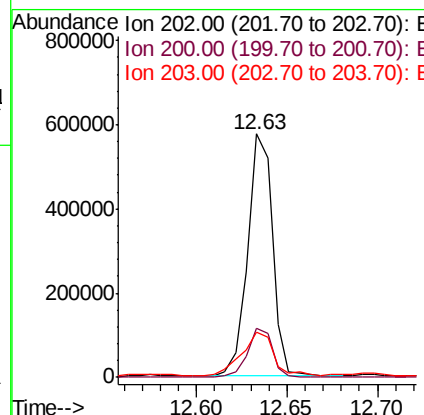
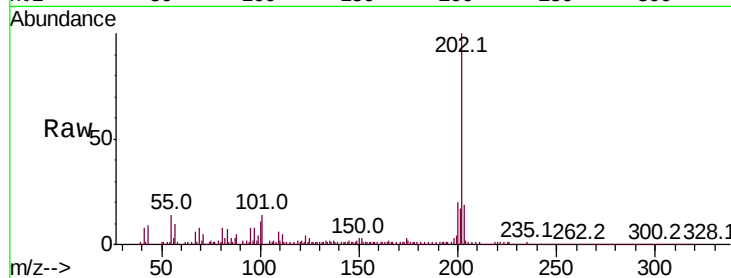
#78
Pvrene
Concen: 29.556 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.7	15.1	22.7

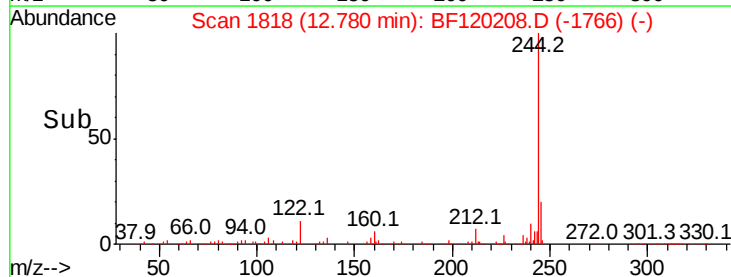
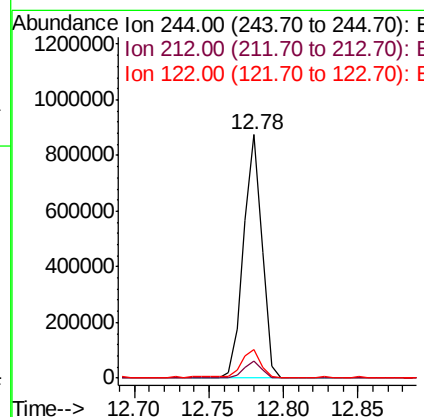
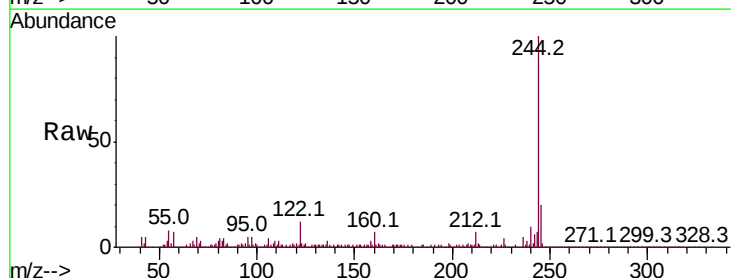
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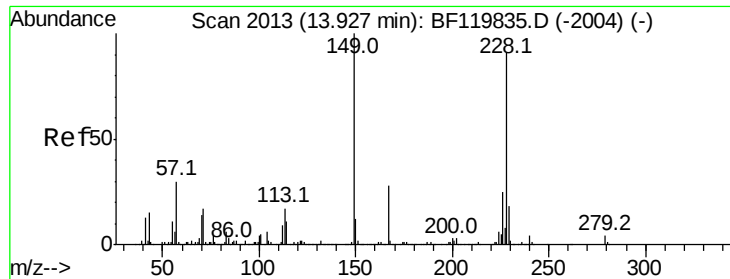
mohammad
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#79
Terphenyl-d14
Concen: 57.521 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.8	10.3	15.5





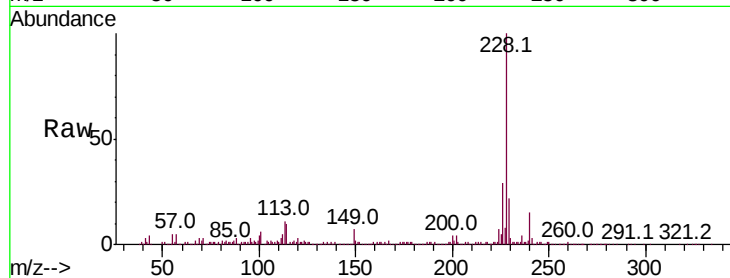
#81
Benzo(a)anthracene
Concen: 18.915 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-239

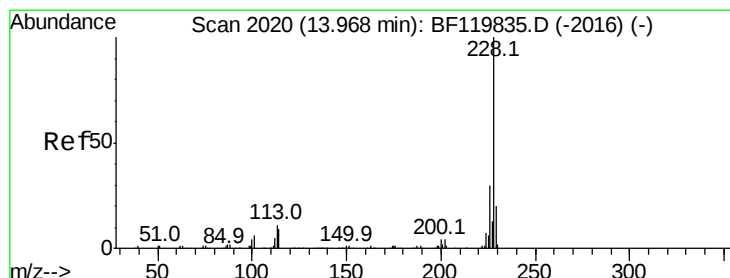
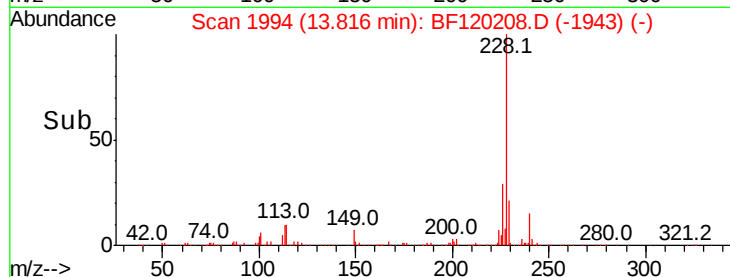
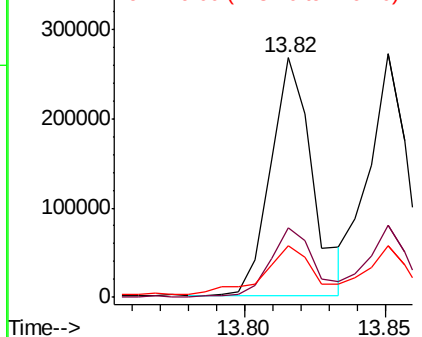
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.8	32.8
229	21.7	16.2	24.4

Manual Integrations
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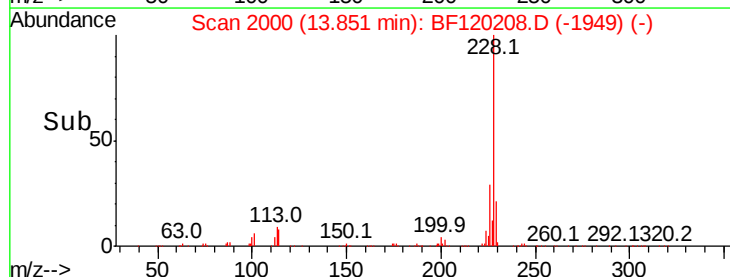
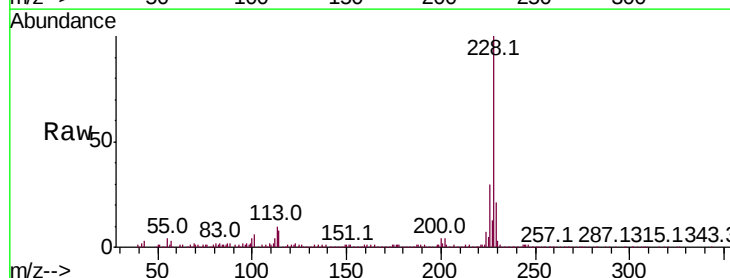
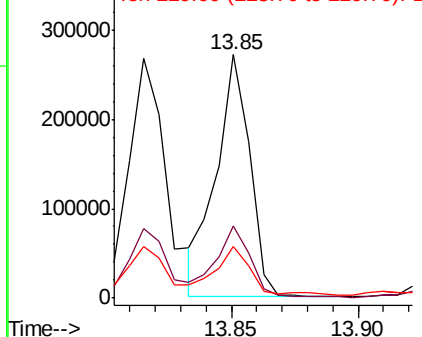
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

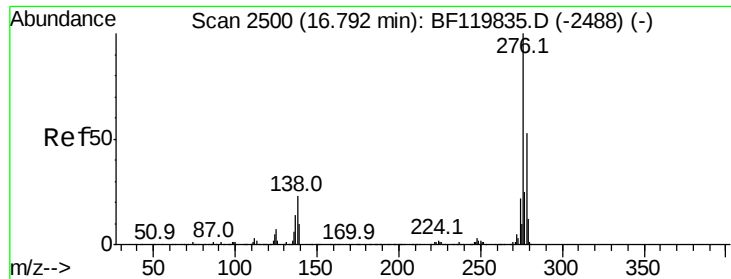


#83
Chrysene
Concen: 16.980 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	21.2	16.6	24.8

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





#86

Indeno(1,2,3-cd)pyrene

Concen: 9.002 ng

RT: 16.57 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BF120208.D

Acq: 24 Apr 2020 17:59

Instrument :

BNA_F

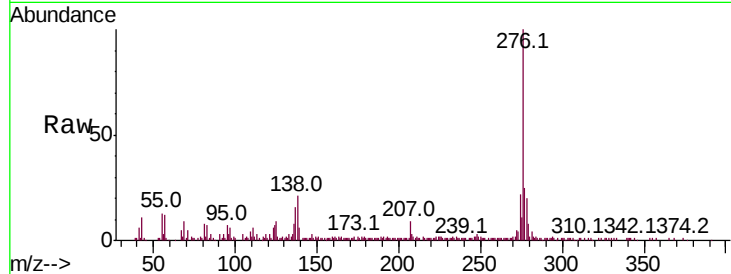
ClientSampleId :

VNJ-239

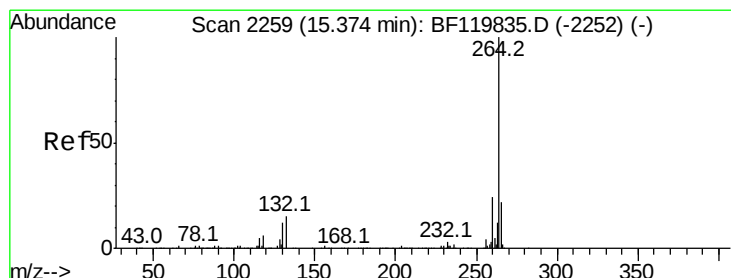
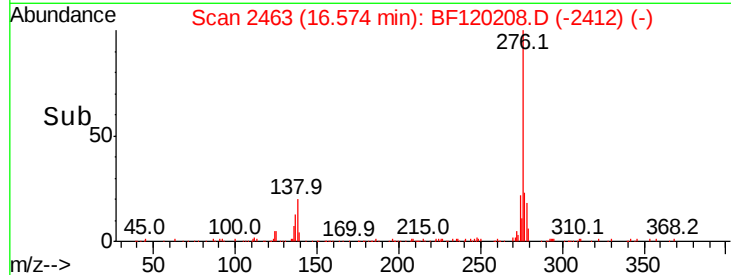
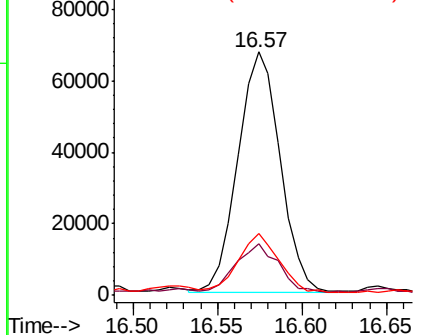
Tot Ion:	276	Resp:	116955
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.6	29.4
277	23.8	20.0	30.0

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



#87

Perylene-d12

Concen: 20.000 ng

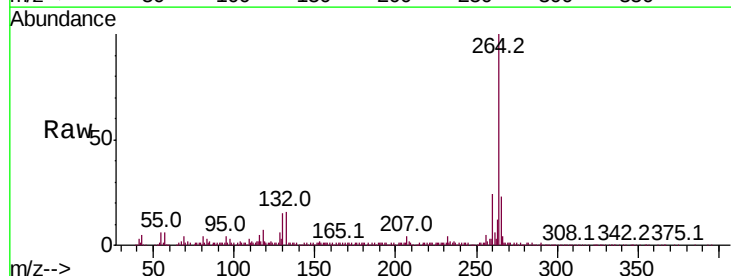
RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

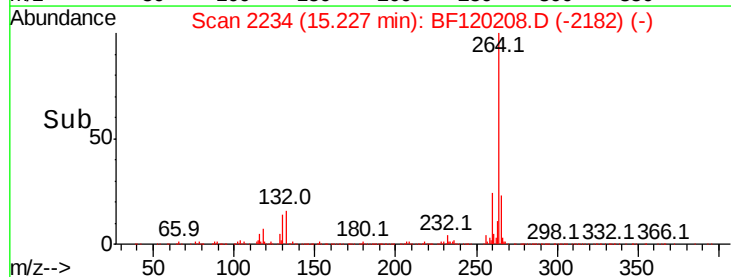
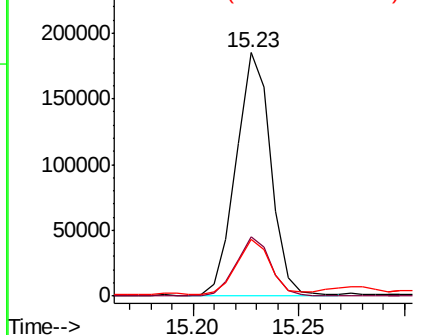
Lab File: BF120208.D

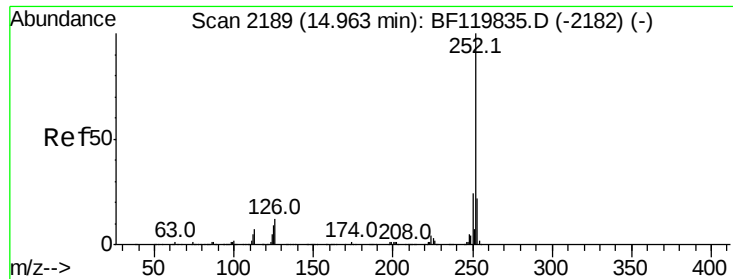
Acq: 24 Apr 2020 17:59

Tgt Ion:	264	Resp:	209813
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.7	28.1
265	23.4	17.7	26.5



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





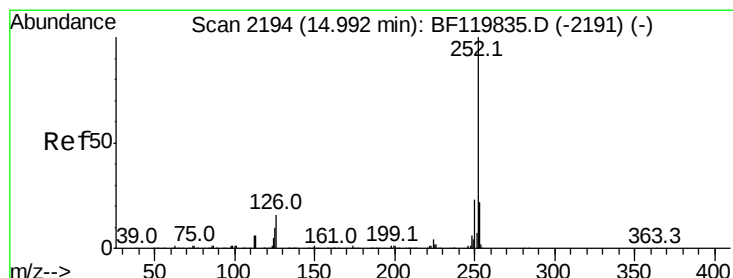
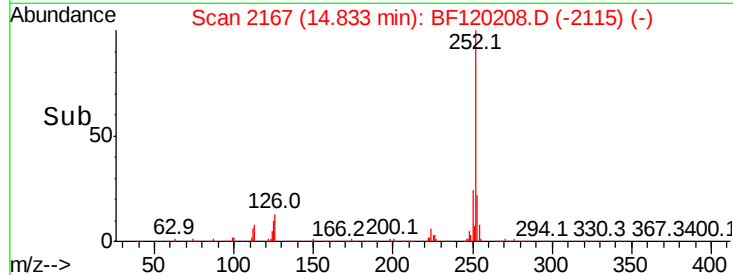
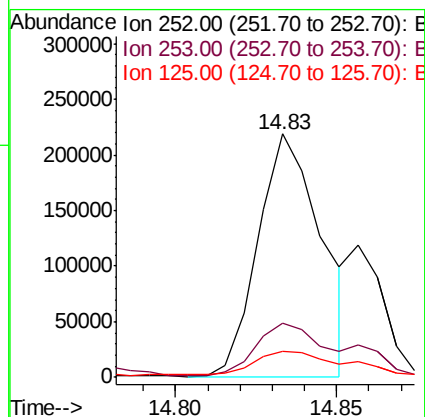
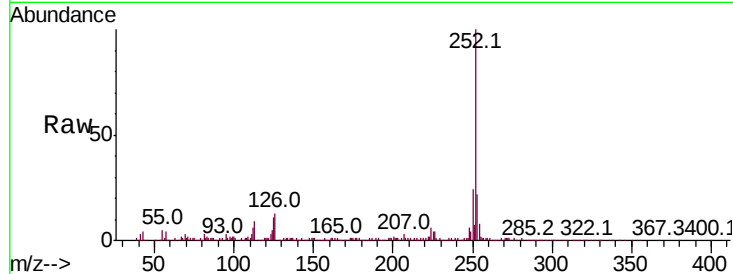
#88
Benzo(b)fluoranthene
Concen: 19.919 ng m
RT: 14.83 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampled :
VNJ-239

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	10.8	7.9	11.9

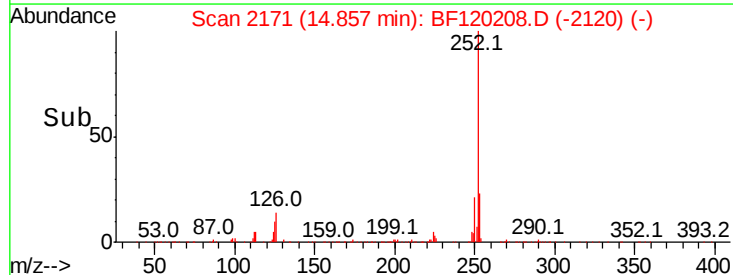
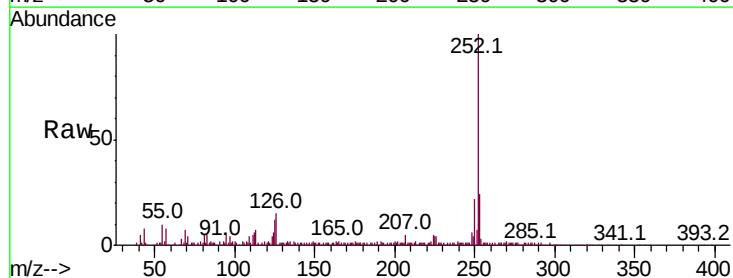
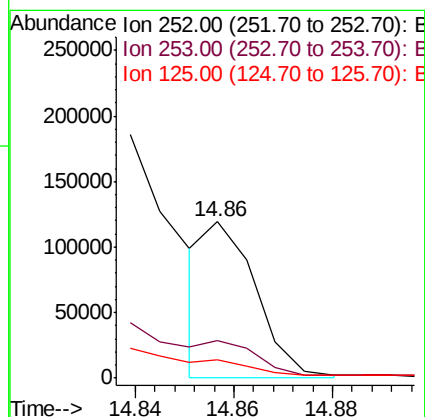
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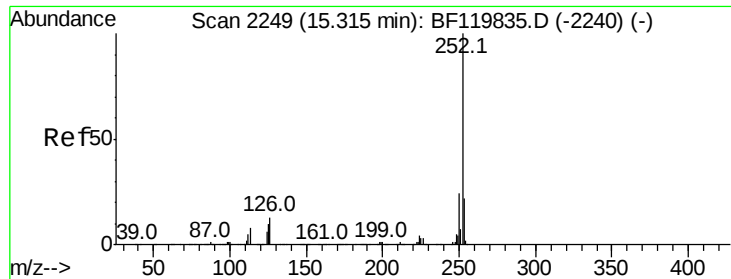
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.628 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	11.6	8.4	12.6





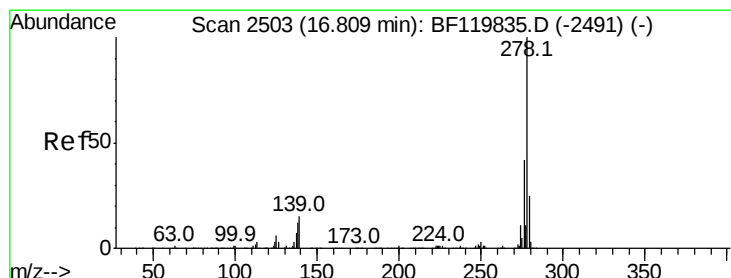
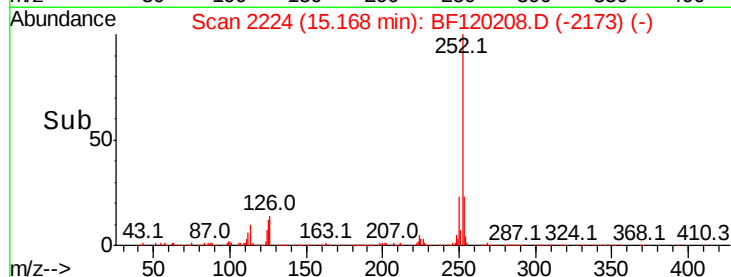
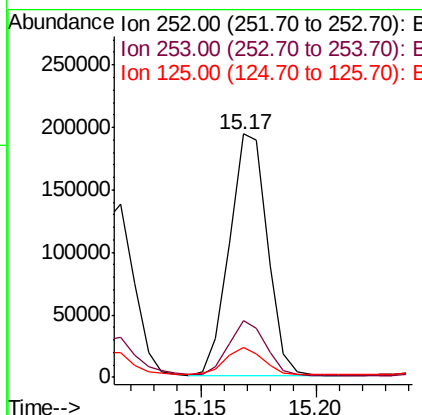
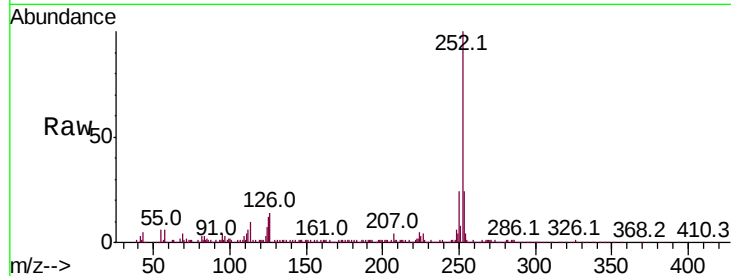
#90
Benzo(a)pyrene
Concen: 17.617 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	12.3	9.4	14.2

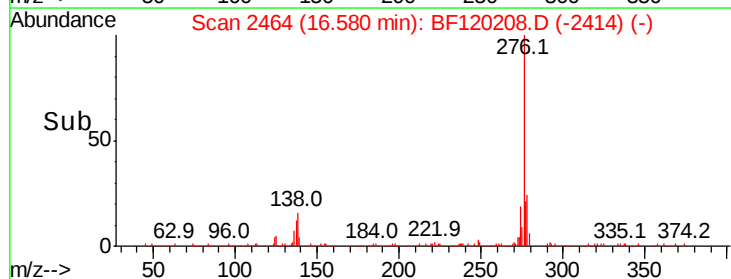
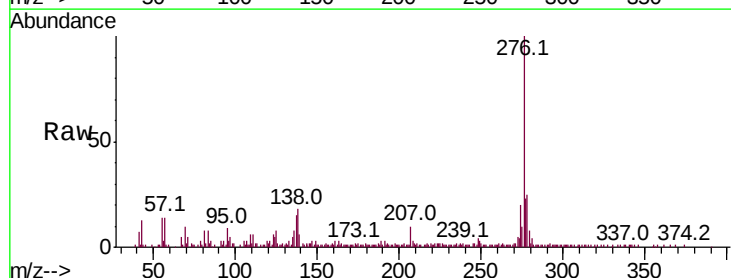
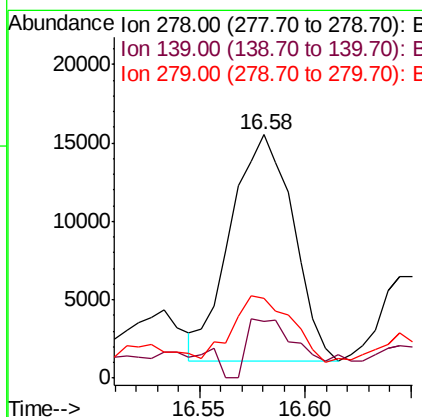
Manual Integrations
APPROVED

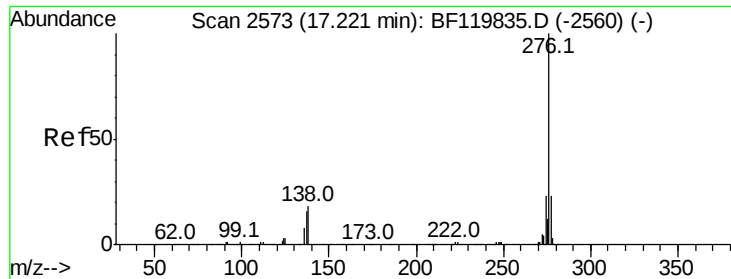
mohammad
4/27/2020 3:04:55 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.642 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF120208.D
Acq: 24 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.0	12.6	19.0#
279	32.9	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 9.663 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF120208.D
 Acq: 24 Apr 2020 17:59

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.4	27.6
138	22.1	15.4	23.0

Manual Integrations
 APPROVED

mohammad
 4/27/2020 3:04:55 PM

