

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
 Data File : BF111262.D
 Acq On : 11 Dec 2018 00:26
 Operator : JU/SJ
 Sample : J6234-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

Manual Integrations
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 12/11/2018 2:23:45 PM

Quant Time: Dec 11 06:19:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	517515	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1892599	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	542578	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	930316	20.00	ng	0.00
76) Chrysene-d12	13.96	240	638167	20.00	ng	0.00
87) Perylene-d12	15.40	264	463394	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	701593	21.41	ng	0.00
7) Phenol-d6	6.42	99	886318	21.76	ng	-0.01
23) Nitrobenzene-d5	7.36	82	492985	14.61	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	84003	17.48	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	747496	16.77	ng	0.00
79) Terphenyl-d14	12.90	244	470619	17.69	ng	0.00
Target Compounds						
71) Phenanthrene	11.34	178	133806	2.852	ng	93
75) Fluoranthene	12.53	202	191057	4.457	ng	98
78) Pyrene	12.76	202	180661	3.962	ng	96
81) Benzo(a)anthracene	13.94	228	80752	2.268	ng	94
83) Chrysene	13.98	228	76753	2.091	ng	97
88) Benzo(b)fluoranthene	14.98	252	94037m	3.669	ng	
90) Benzo(a)pyrene	15.33	252	58148	2.464	ng	# 80
92) Benzo(g,h,i)perylene	17.23	276	40323	2.173	ng	# 90

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

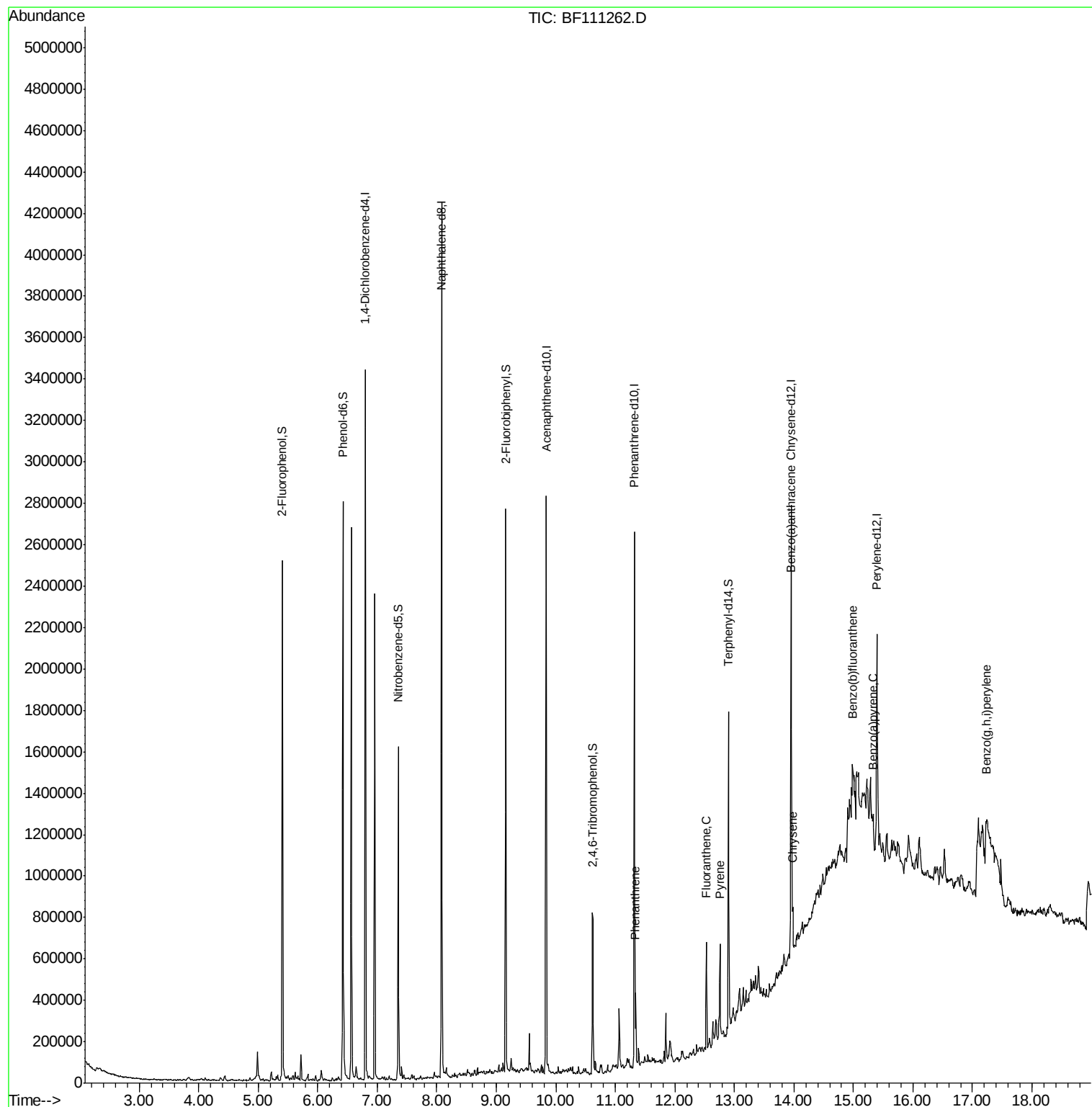
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111262.D
Acq On : 11 Dec 2018 00:26
Operator : JU/SJ
Sample : J6234-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

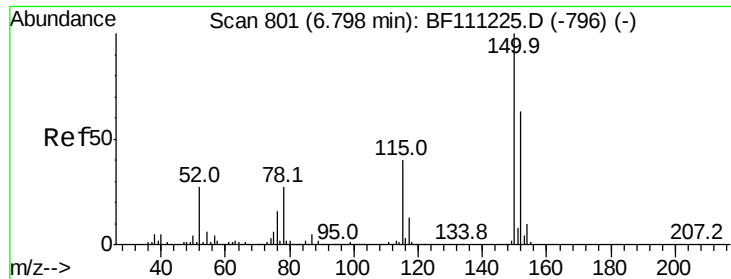
Instrument :
BNA_F
ClientSampleId :
VNJ-218

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Quant Time: Dec 11 06:19:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 01:15:27 2018
Response via : Initial Calibration





#1

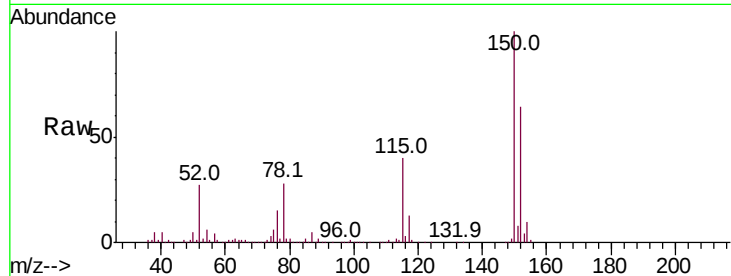
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampled :
VNJ-218

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	63.0	50.7	76.1

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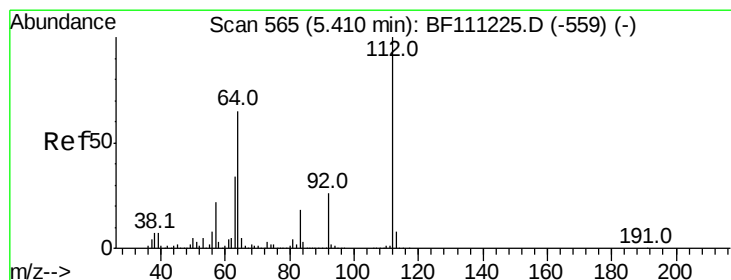
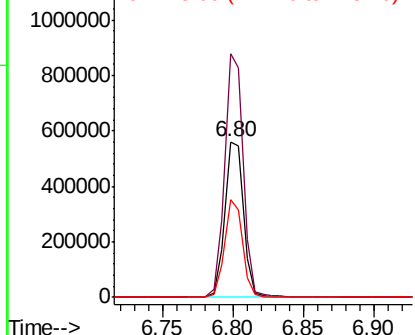
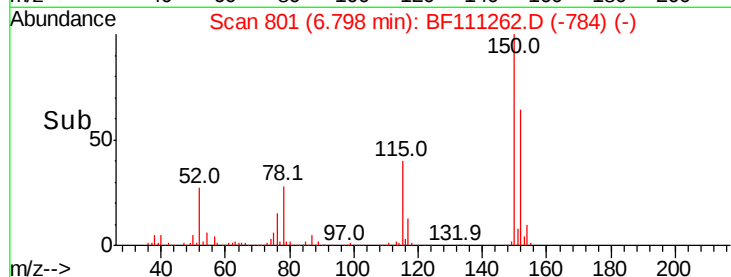


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

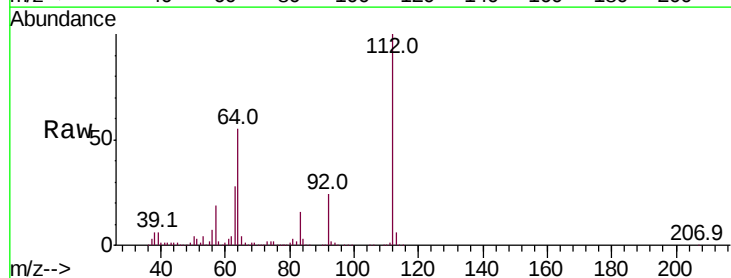
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.407 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	51.8	77.6
63	28.1	26.8	40.2

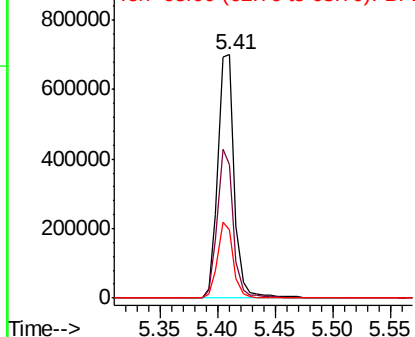
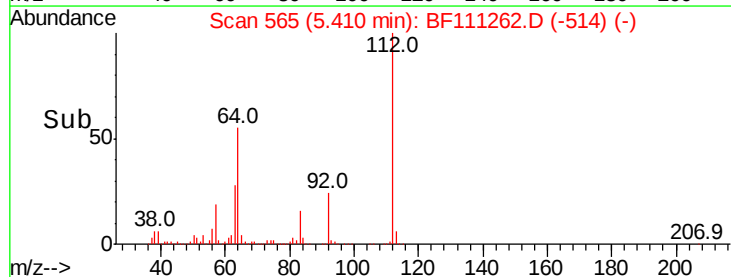


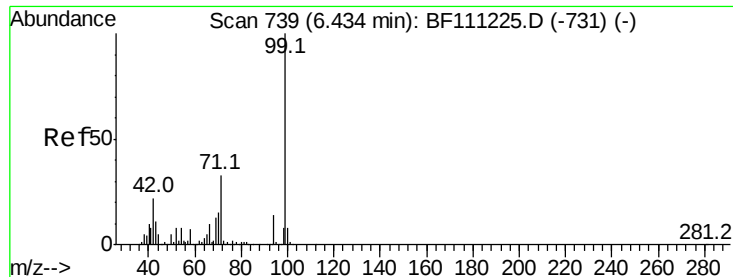
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.761 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

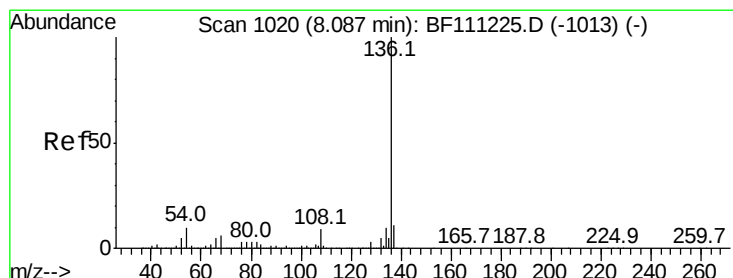
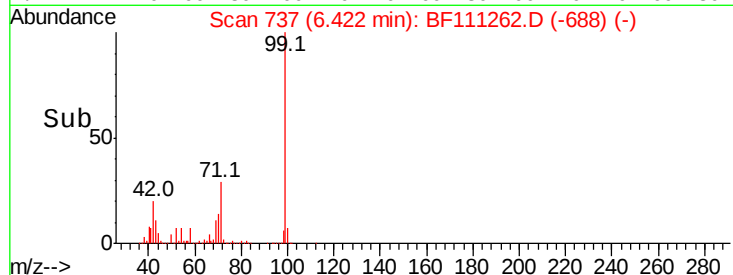
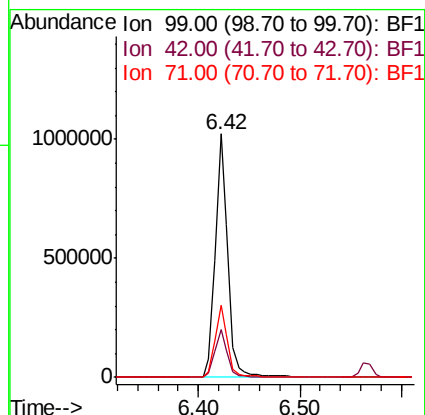
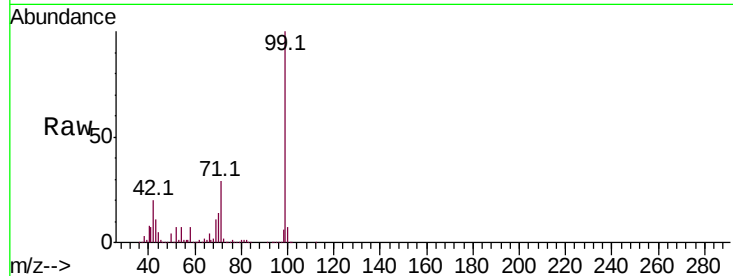
ClientSampleId :

VNJ-218

Tot Ion:	99	Resp:	886318
Ion Ratio	Lower	Upper	
99	100		
42	19.8	17.4	26.0
71	29.5	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

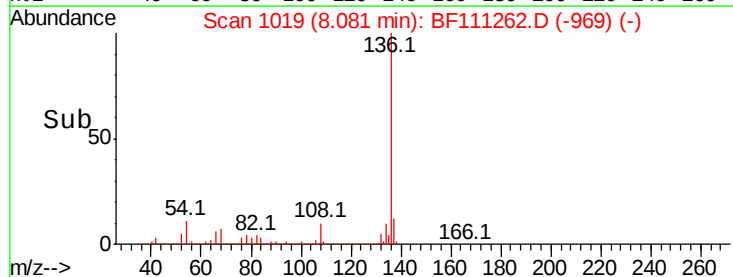
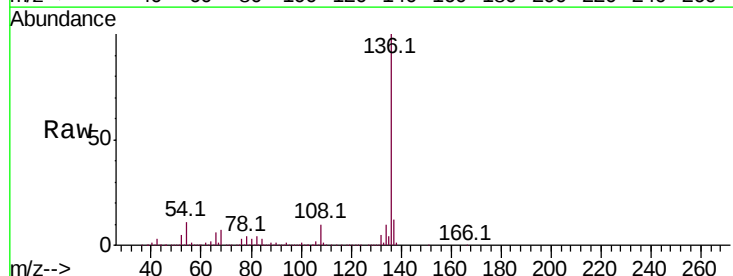
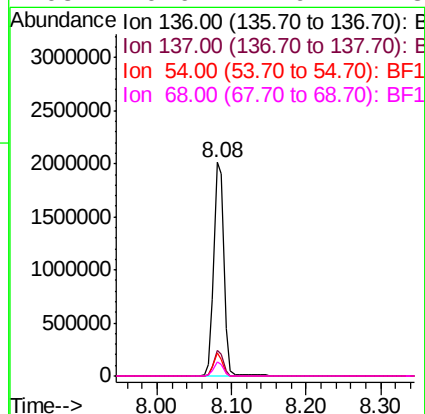
RT: 8.08 min Scan# 1019

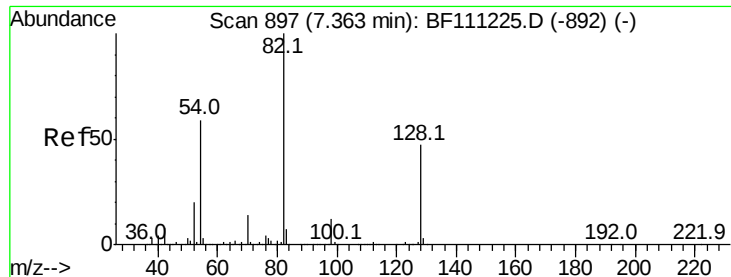
Delta R.T. -0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Tgt Ion:	136	Resp:	1892599
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.1	13.7
54	10.9	7.7	11.5
68	6.6	4.9	7.3





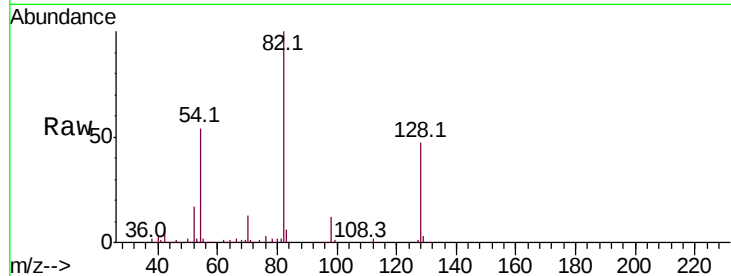
#23
 Nitrobenzene-d5
 Concen: 14.610 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Instrument :
 BNA_F
 ClientSampled :
 VNJ-218

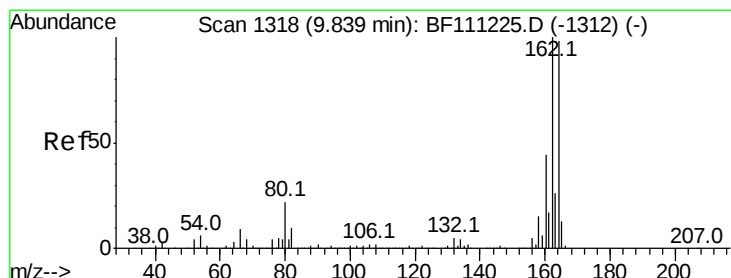
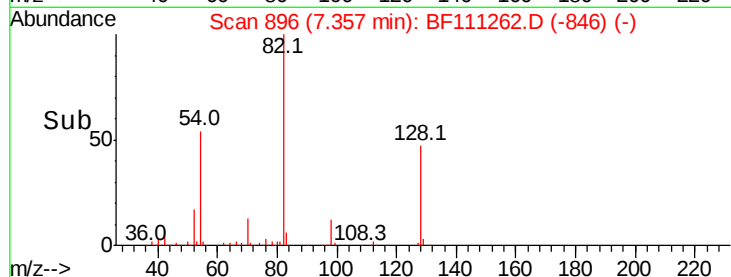
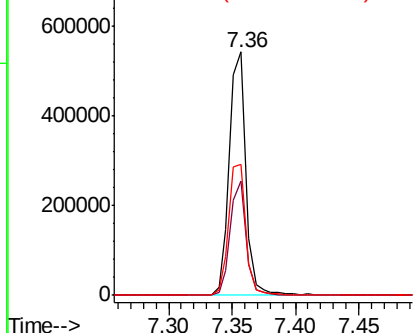
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	37.4	56.2	
54	53.9	47.6	71.4	

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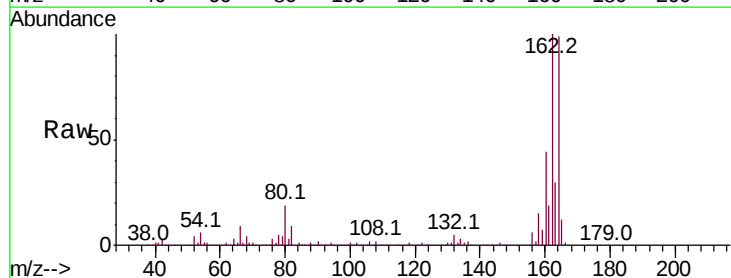


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

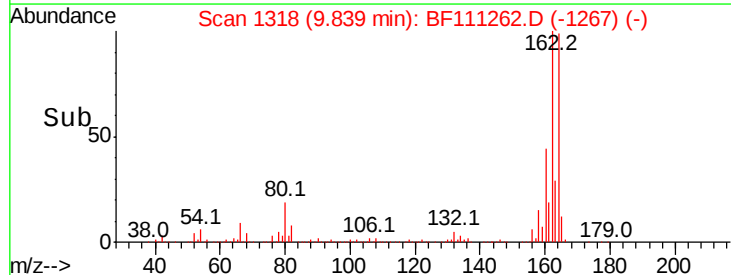
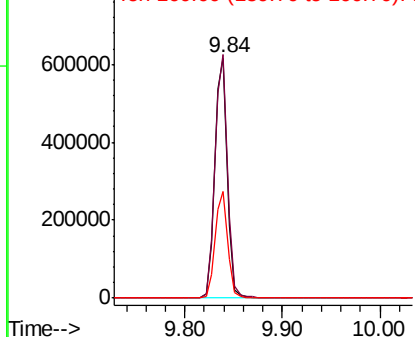


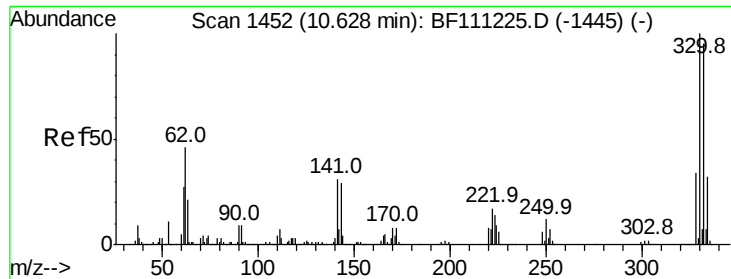
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	81.4	122.0	
160	44.3	35.7	53.5	



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





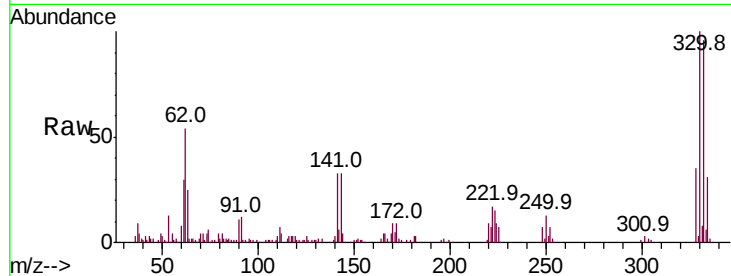
#42
 2,4,6-Tribromophenol
 Concen: 17.478 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Instrument :
 BNA_F
 ClientSampled :
 VNJ-218

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.0	114.0
141	39.3	31.0	46.6

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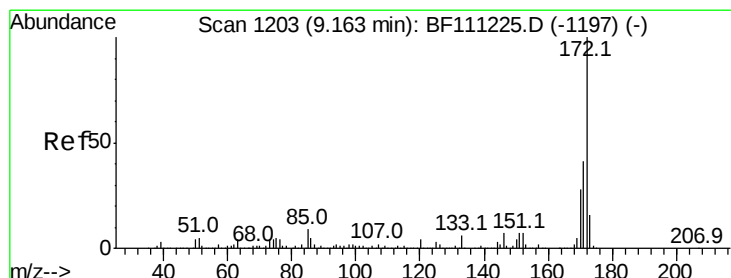
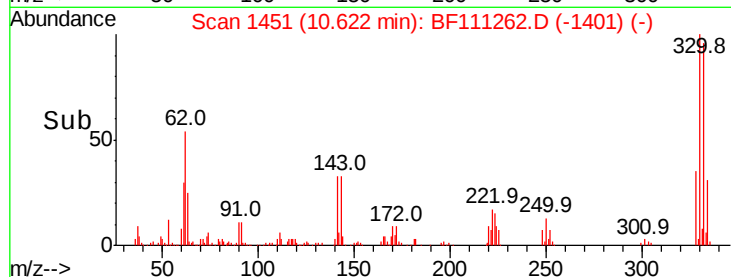
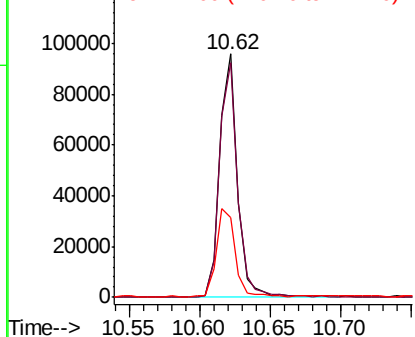


Abundance

Ion 329.80 (329.50 to 330.50): E

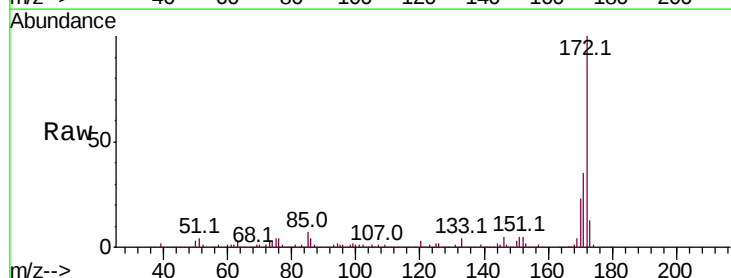
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 16.766 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	33.0	49.4
170	22.7	22.3	33.5

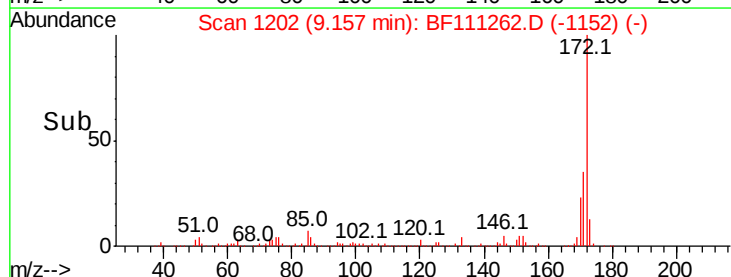
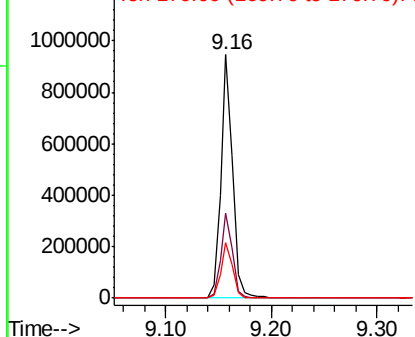


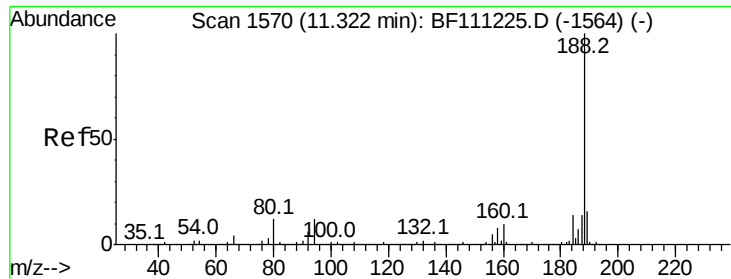
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





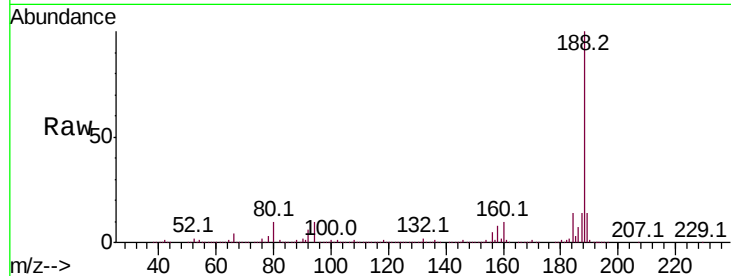
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampled :
VNJ-218

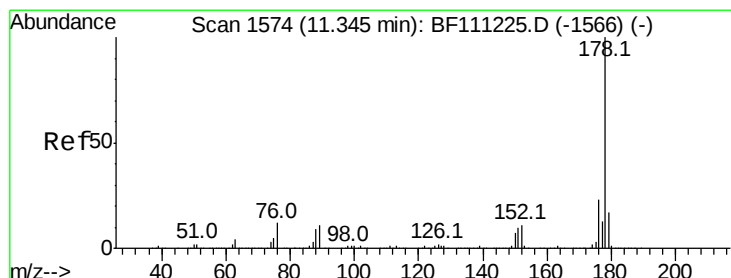
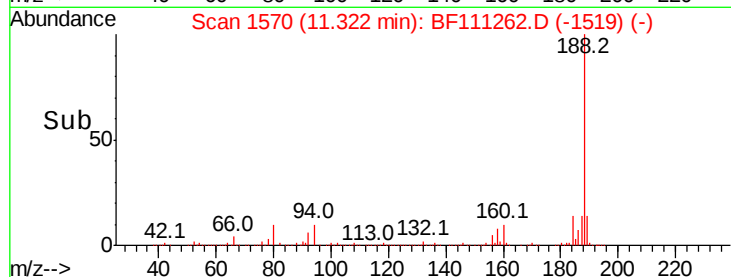
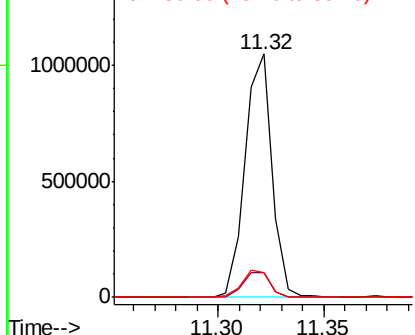
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.0	9.6	14.4	
80	10.1	9.8	14.6	

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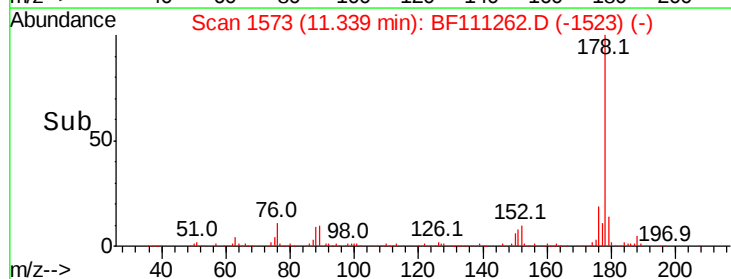
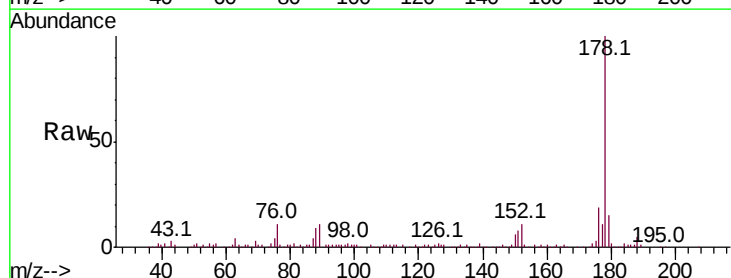
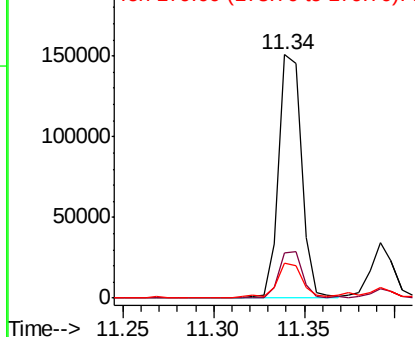
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

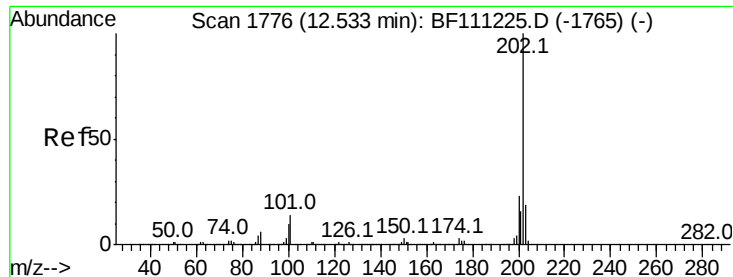


#71
Phenanthrene
Concen: 2.852 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.7	18.1	27.1	
179	14.6	14.0	21.0	

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.457 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

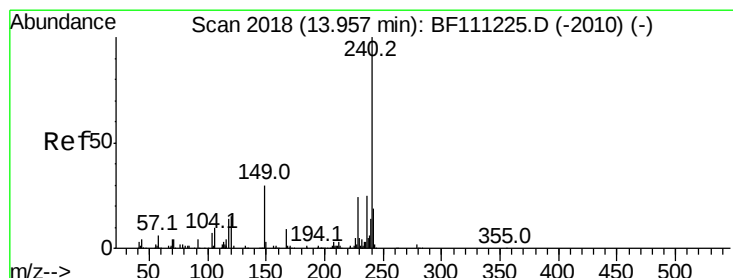
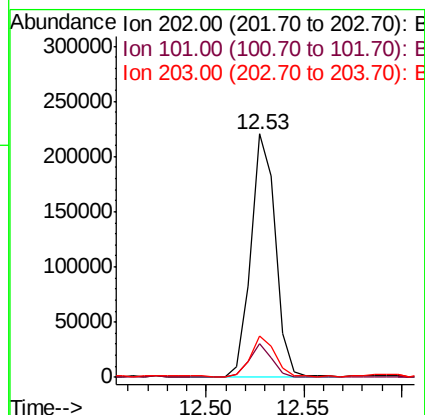
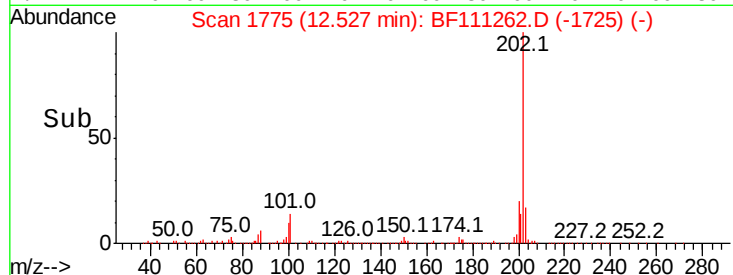
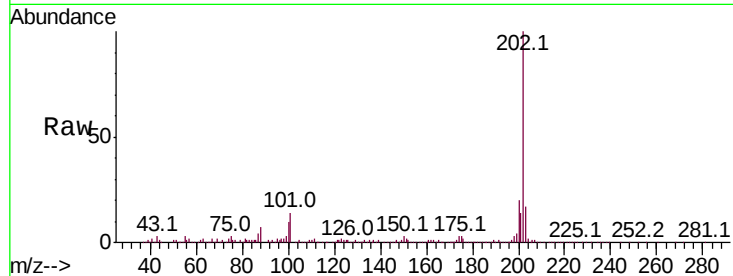
ClientSampled :

VNJ-218

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	33.8
203	17.0	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

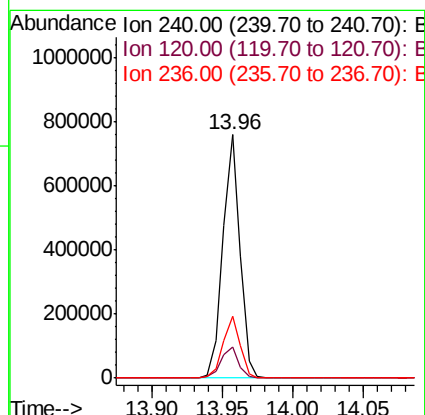
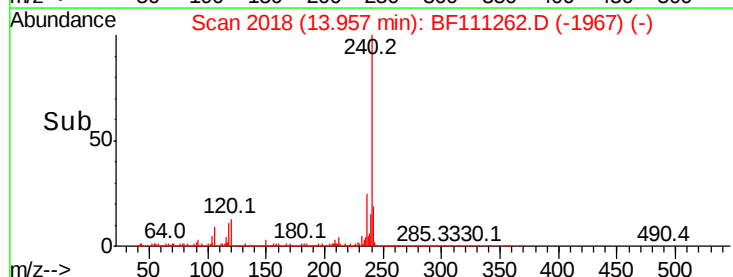
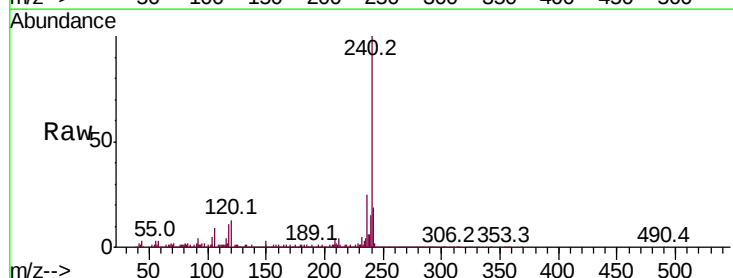
RT: 13.96 min Scan# 2018

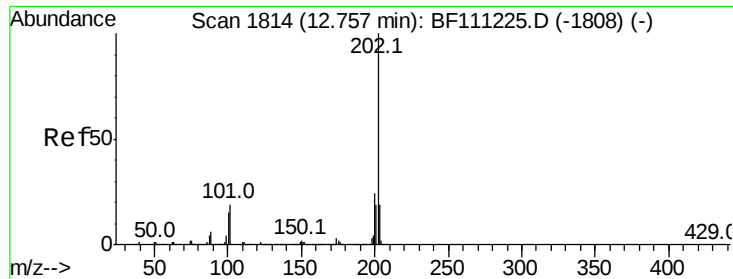
Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	12.2	18.2
236	25.4	20.2	30.2





#78

Pvrene

Concen: 3.962 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

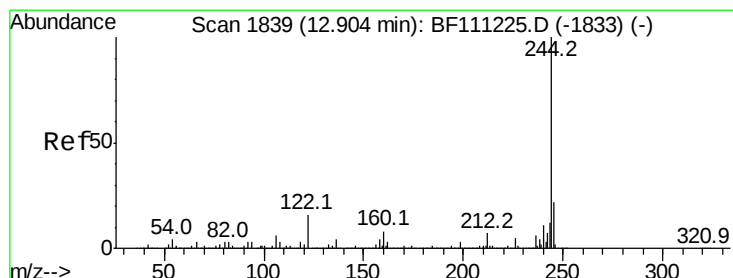
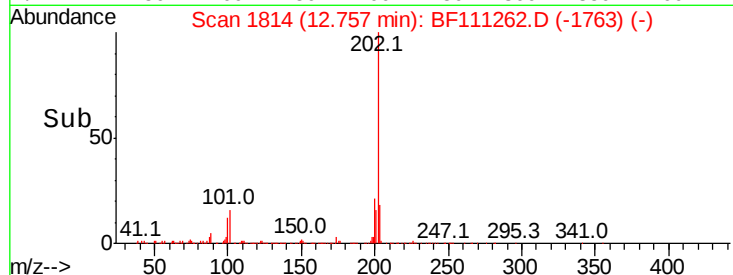
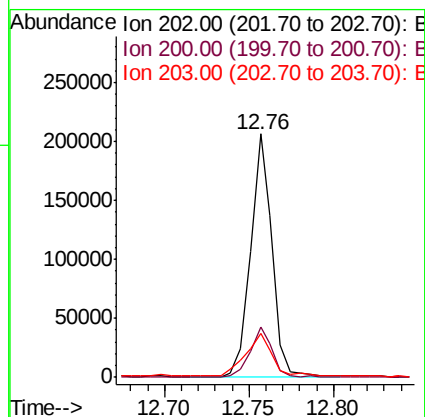
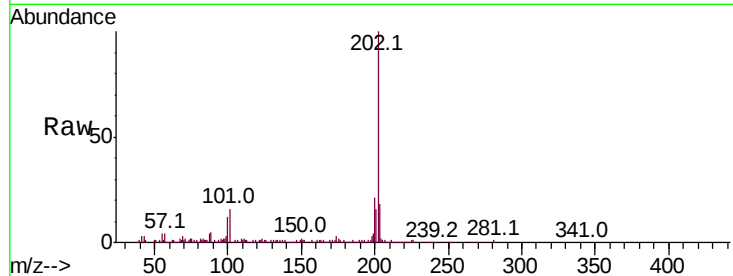
ClientSampleId :

VNJ-218

Tot Ion:	202	Resp:	180661
Ion Ratio	Lower	Upper	
202	100		
200	20.8	19.0	28.4
203	18.1	15.2	22.8

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#79

Terphenyl-d14

Concen: 17.689 ng

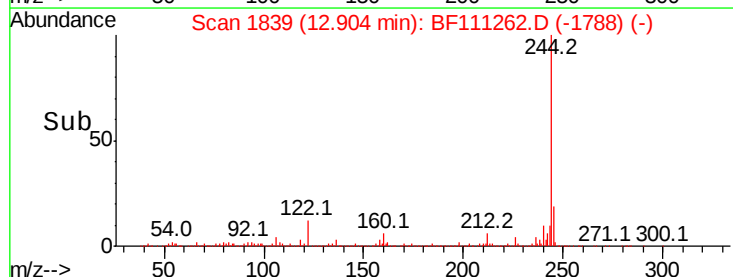
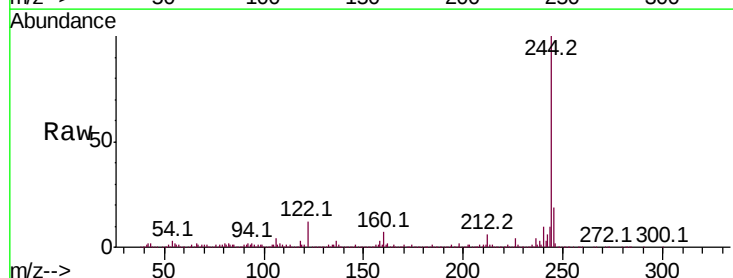
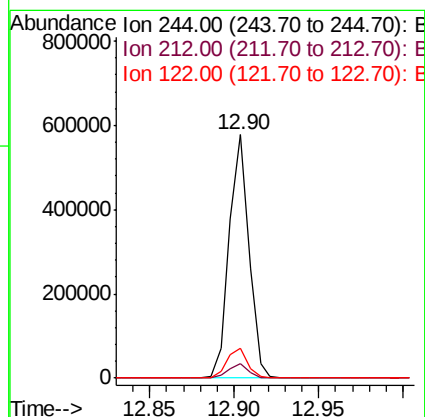
RT: 12.90 min Scan# 1839

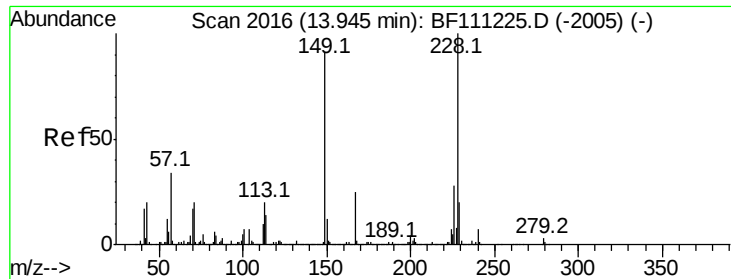
Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Tgt Ion:	244	Resp:	470619
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.7	8.5
122	12.1	13.1	19.7#





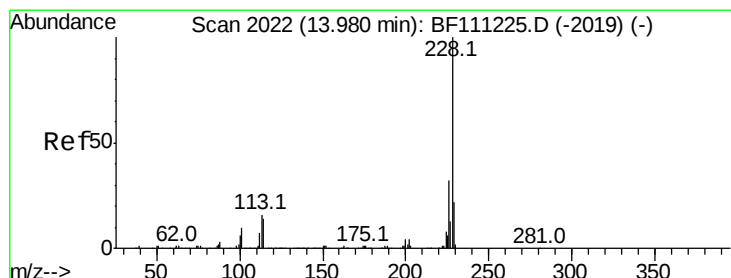
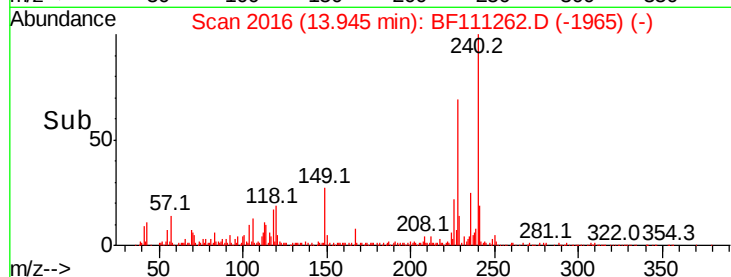
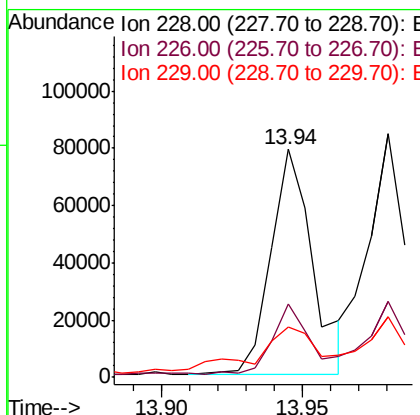
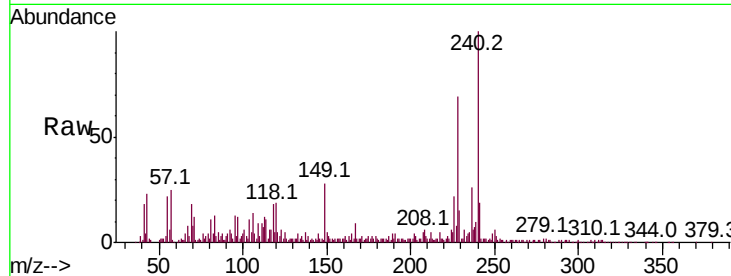
#81
Benzo(a)anthracene
Concen: 2.268 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	34.0
229	22.3	16.3	24.5

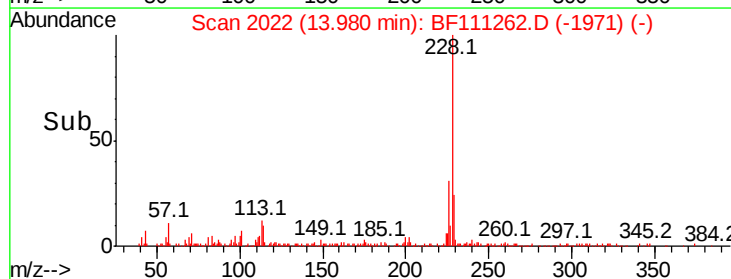
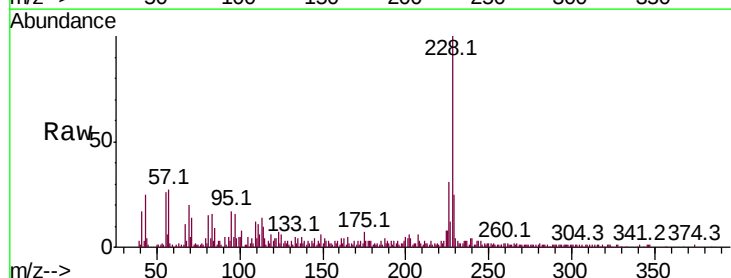
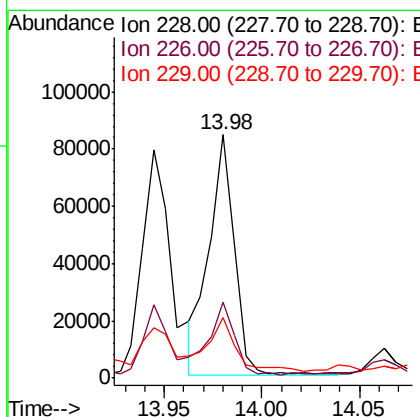
Manual Integrations
APPROVED

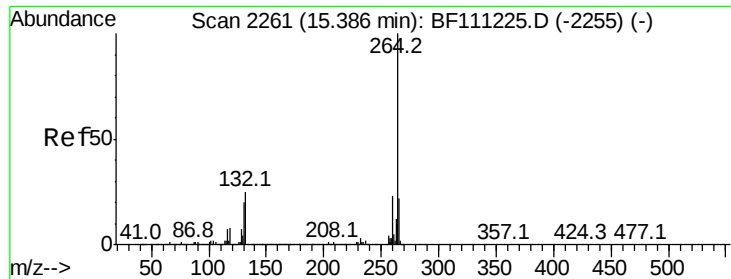
Sohil
12/11/2018 2:23:45 PM



#83
Chrysene
Concen: 2.091 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.3	37.9
229	24.9	17.2	25.8





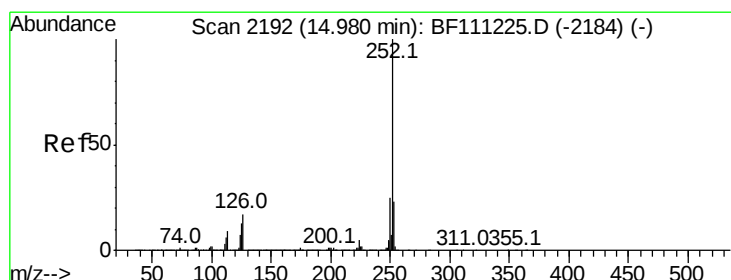
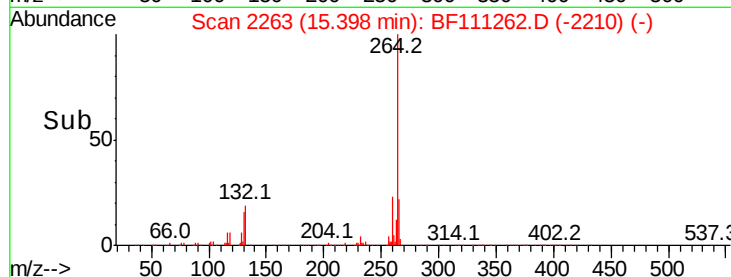
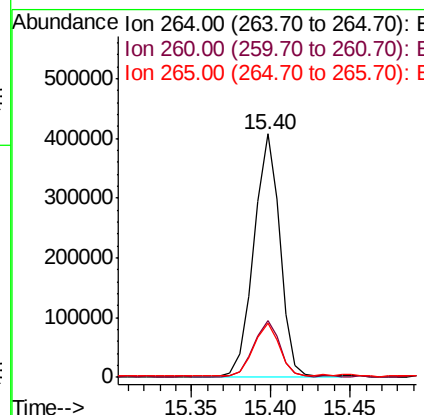
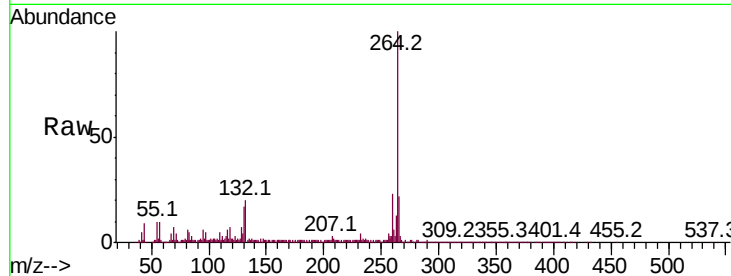
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampled :
VNJ-218

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	22.0	17.7	26.5

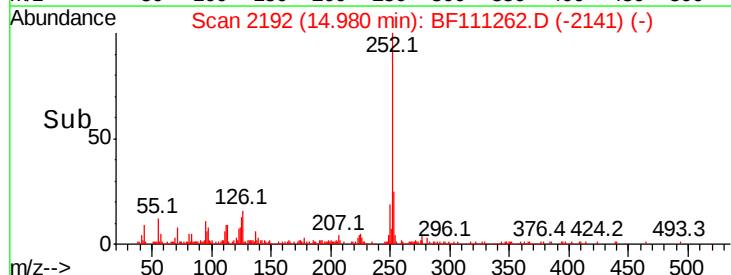
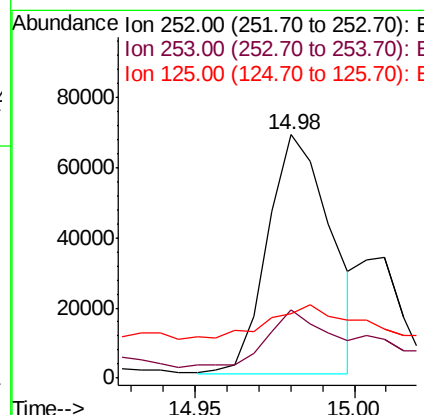
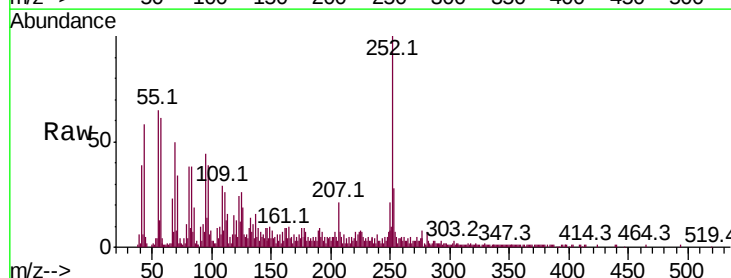
Manual Integrations
APPROVED

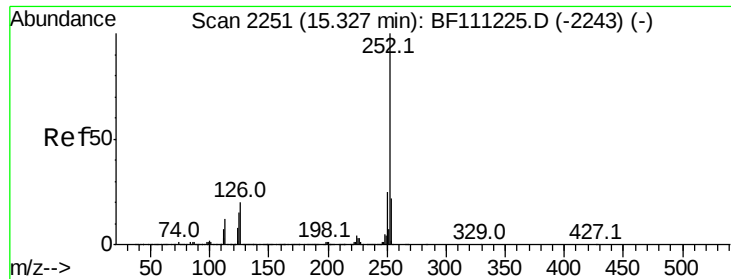
Sohil
12/11/2018 2:23:45 PM



#88
Benzo(b)fluoranthene
Concen: 3.669 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.2	27.2#
125	26.3	10.4	15.6#





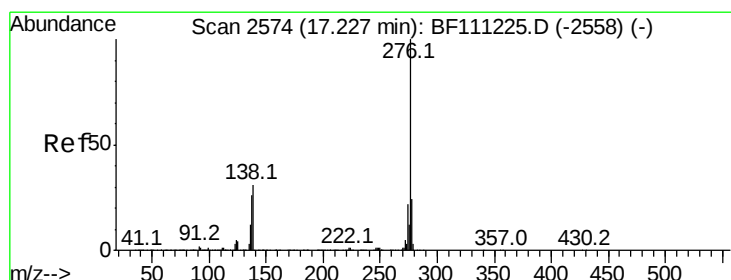
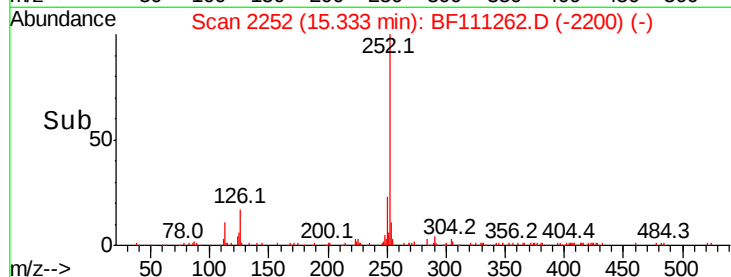
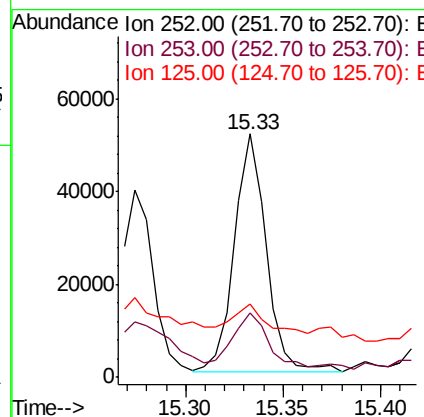
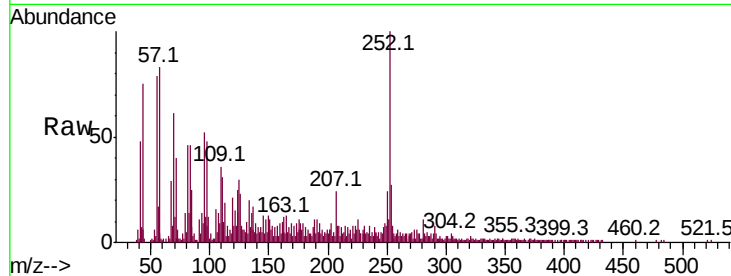
#90
Benzo(a)pyrene
Concen: 2.464 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.8	26.8
125	30.2	12.3	18.5

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:45 PM



#92
Benzo(g,h,i)perylene
Concen: 2.173 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.1	19.2	28.8
138	34.5	24.9	37.3

