

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111275.D
 Acq On : 11 Dec 2018 13:36
 Operator : JU/SJ
 Sample : J6234-01RE 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218RE

Manual Integrations
 APPROVED

Sohil
 12/12/2018 5:30:02 PM

Quant Time: Dec 11 17:19:56 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	276029	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1431127	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	338107	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	471624	20.00	ng	0.00
76) Chrysene-d12	13.95	240	358401	20.00	ng	0.00
87) Perylene-d12	15.39	264	437524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	536280	30.68	ng	0.00
7) Phenol-d6	6.42	99	657406	30.26	ng	-0.01
23) Nitrobenzene-d5	7.35	82	318110	12.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	50080	16.72	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	592310	22.81	ng	-0.01
79) Terphenyl-d14	12.90	244	206983	13.85	ng	0.00
Target Compounds						
71) Phenanthrene	11.34	178	60227	2.532	ng	95
75) Fluoranthene	12.53	202	97618	4.492	ng	94
78) Pyrene	12.75	202	90066	3.517	ng	96
81) Benzo(a)anthracene	13.94	228	43308	2.166	ng	94
83) Chrysene	13.97	228	44366	2.152	ng	97
88) Benzo(b)fluoranthene	14.97	252	71081m	2.938	ng	
90) Benzo(a)pyrene	15.33	252	47857	2.148	ng	# 80

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

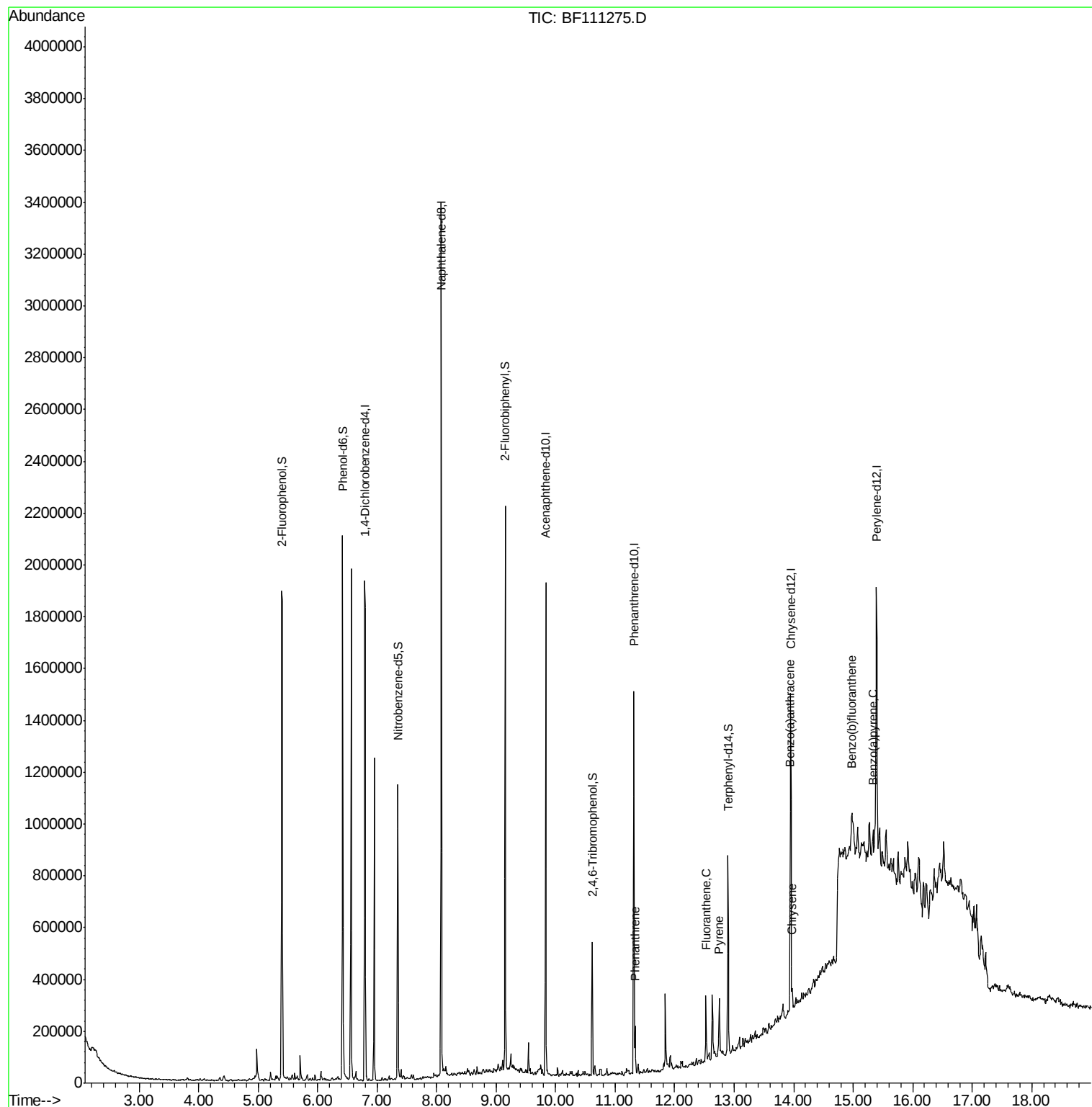
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111275.D
Acq On : 11 Dec 2018 13:36
Operator : JU/SJ
Sample : J6234-01RE 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

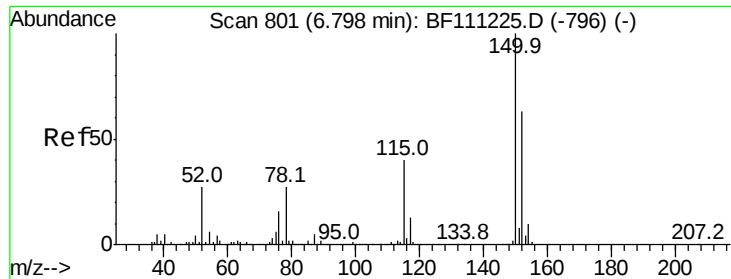
Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM

Quant Time: Dec 11 17:19:56 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

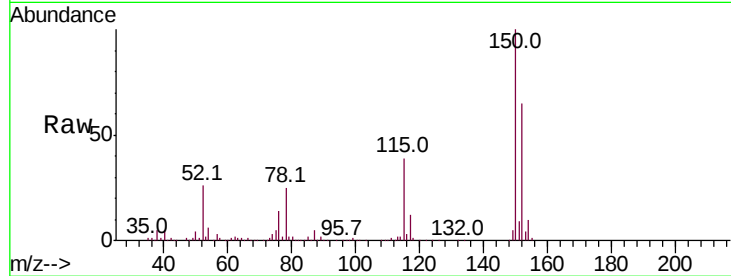
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.6	189.8
115	58.9	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM

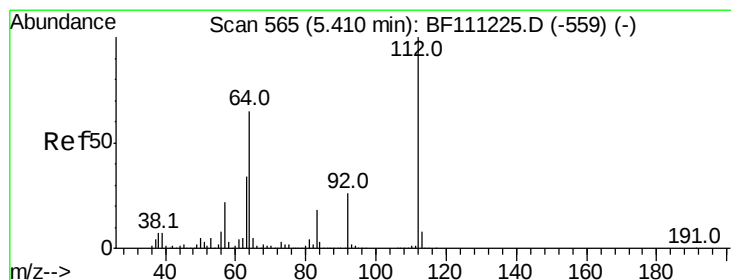
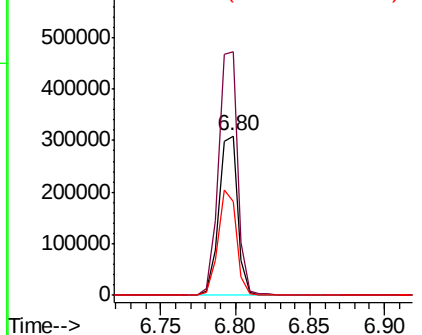
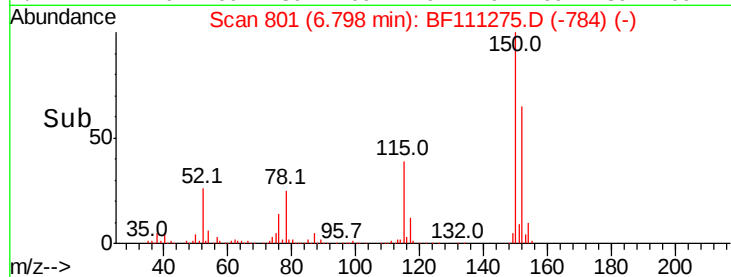


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

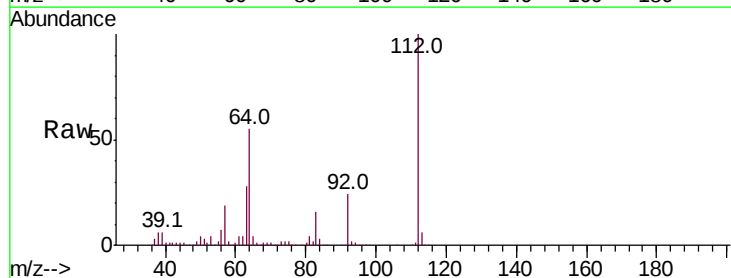
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 30.679 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	51.8	77.6
63	27.9	26.8	40.2

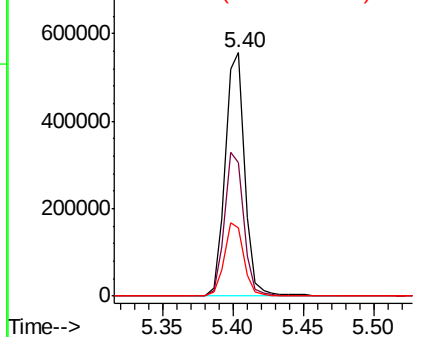
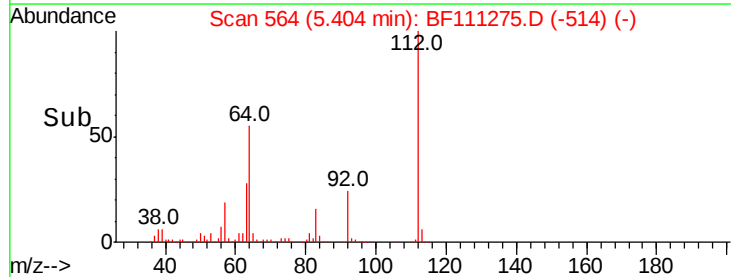


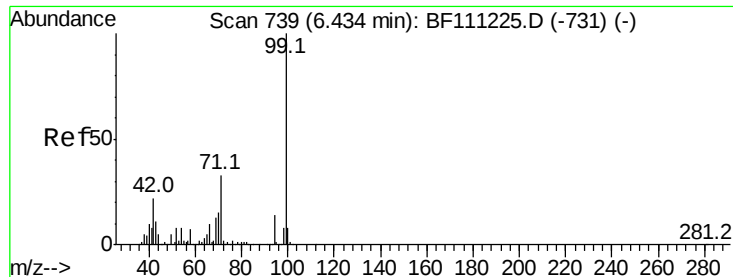
Abundance

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: 30.262 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Instrument :

BNA_F

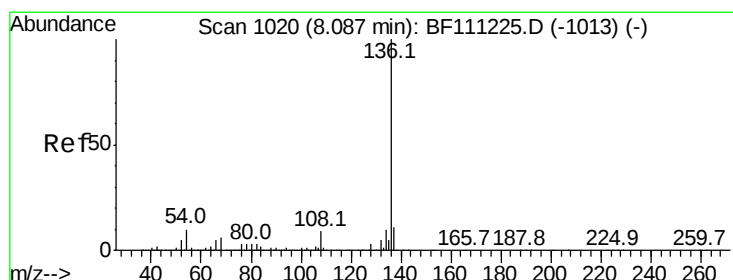
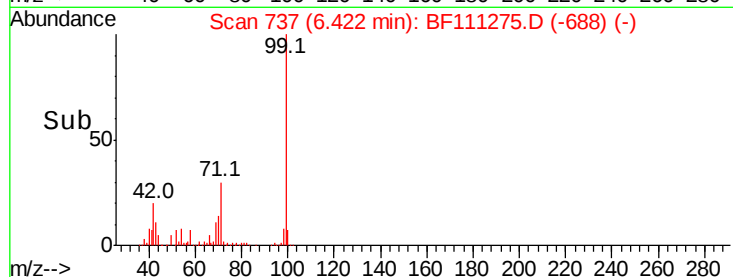
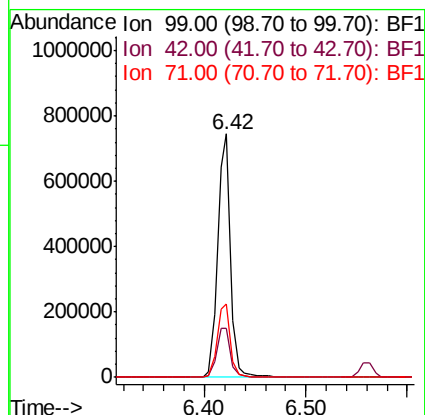
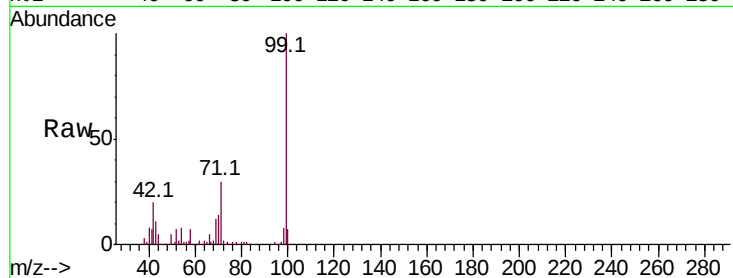
ClientSampleId :

VNJ-218RE

Tot Ion:	99	Resp:	657406
Ion Ratio	Lower	Upper	
99	100		
42	20.2	17.4	26.0
71	30.4	26.1	39.1

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM



#21

Naphthalene-d8

Concen: 20.000 ng

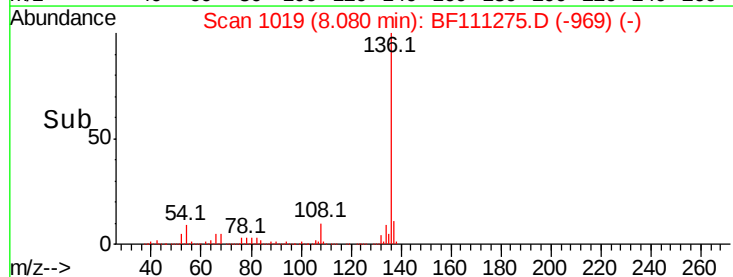
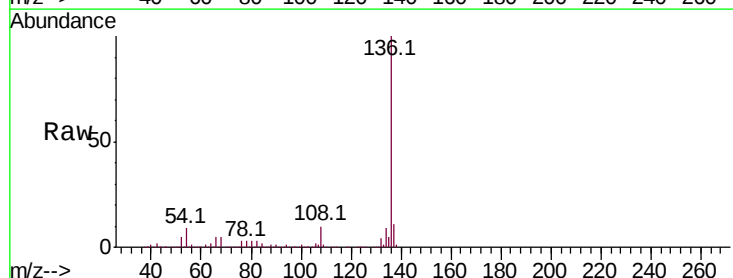
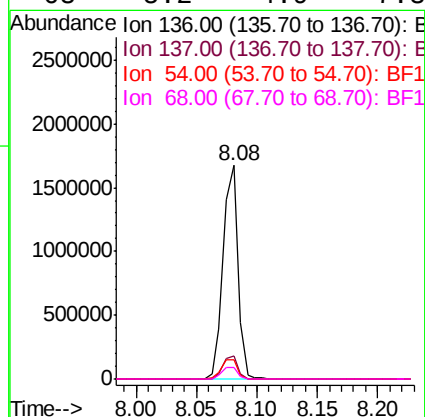
RT: 8.08 min Scan# 1019

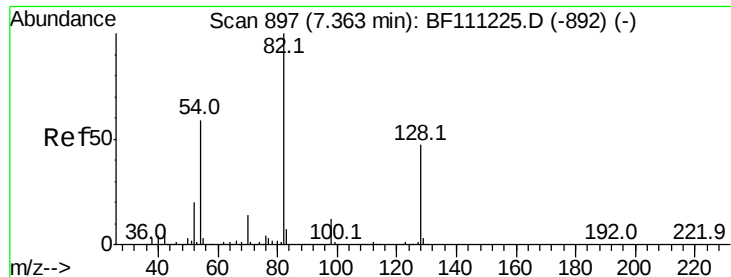
Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Tgt Ion:	136	Resp:	1431127
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	8.8	7.7	11.5
68	5.2	4.9	7.3





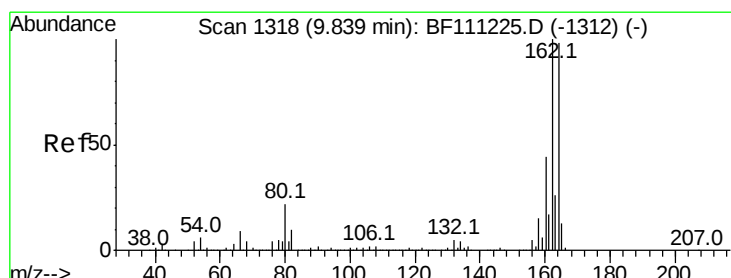
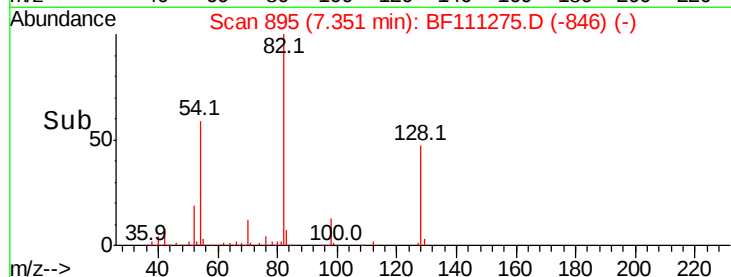
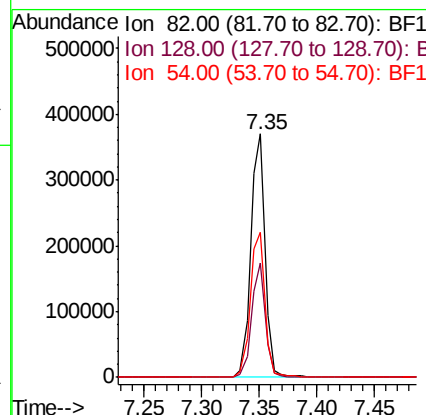
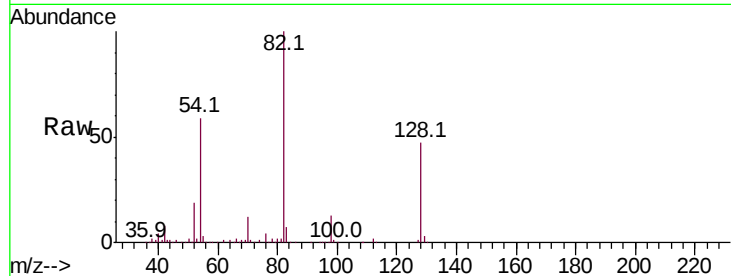
#23
Nitrobenzene-d5
Concen: 12.467 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.4	56.2
54	59.5	47.6	71.4

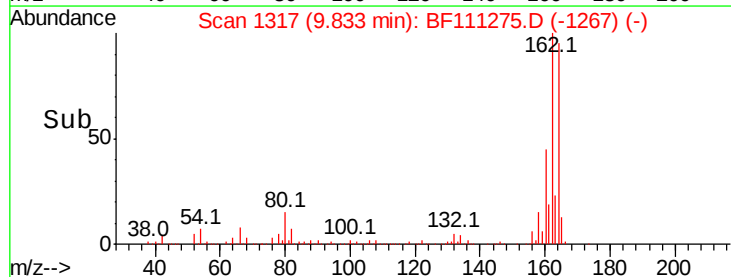
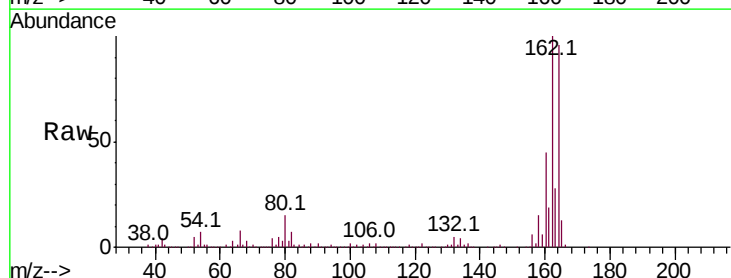
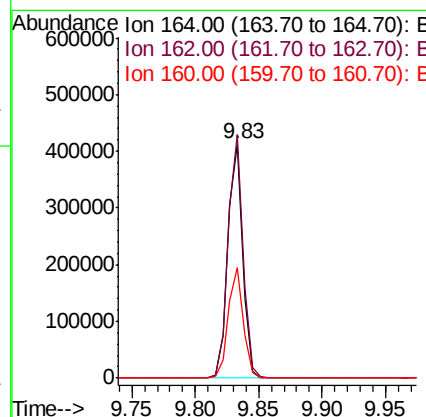
Manual Integrations
APPROVED

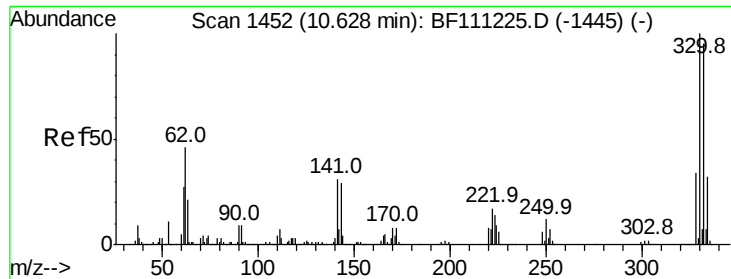
Sohil
12/12/2018 5:30:02 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.4	122.0
160	47.0	35.7	53.5





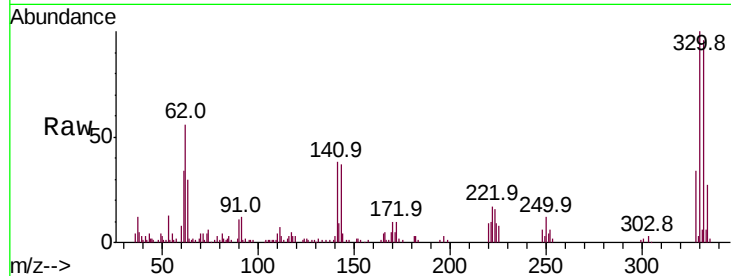
#42
 2,4,6-Tribromophenol
 Concen: 16.721 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	76.0	114.0	
141	46.2	31.0	46.6	

Manual Integrations
 APPROVED

Sohil
 12/12/2018 5:30:02 PM

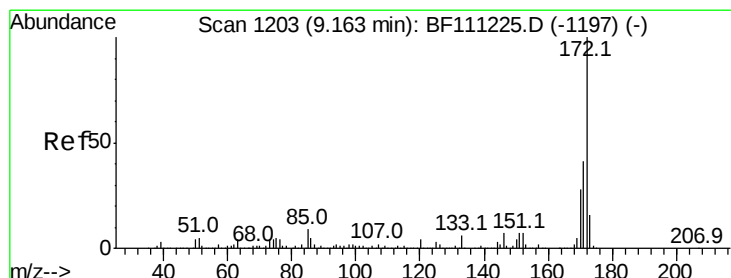
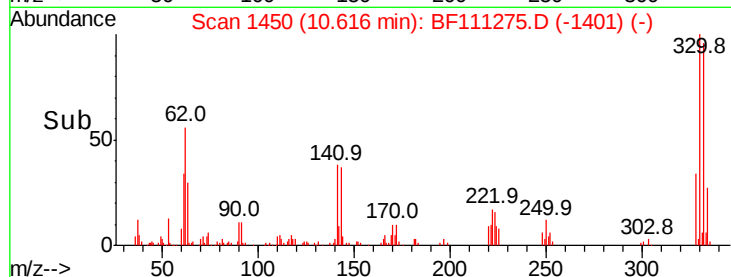
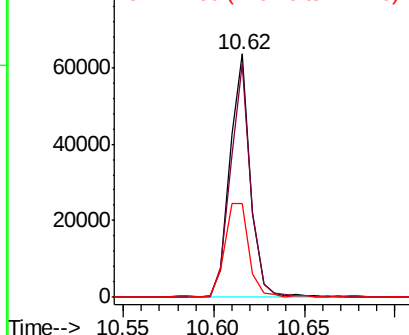


Abundance

Ion 329.80 (329.50 to 330.50): E

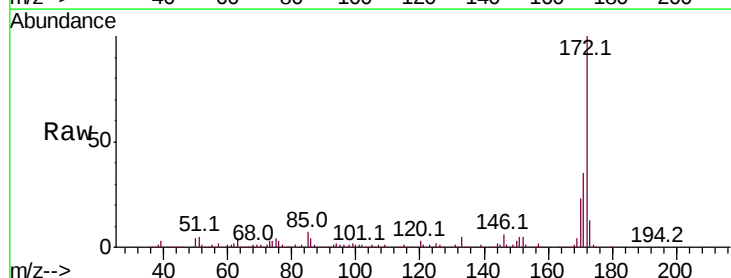
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 22.813 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	33.0	49.4	
170	22.6	22.3	33.5	

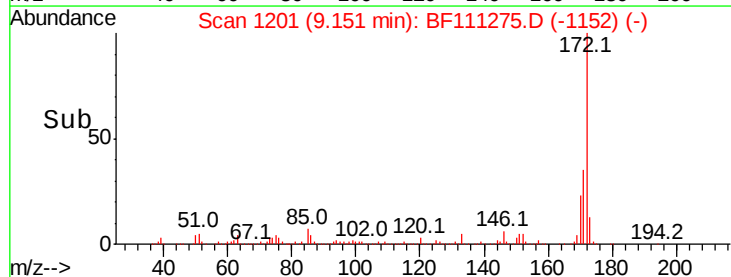
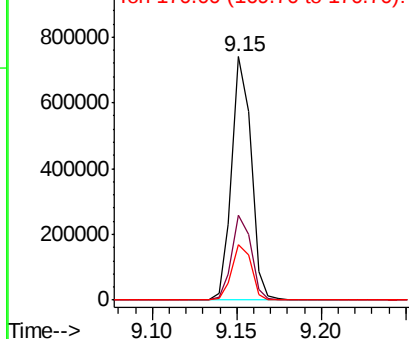


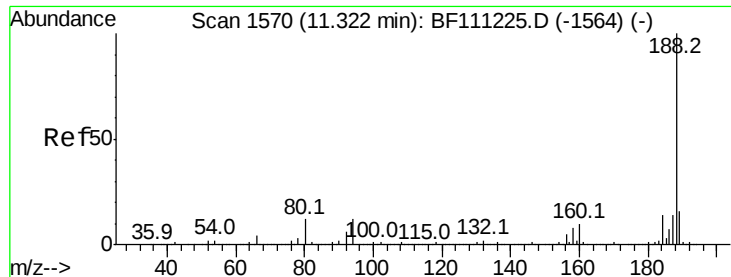
Abundance

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





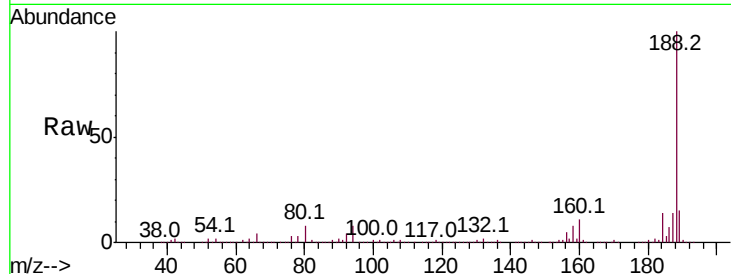
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

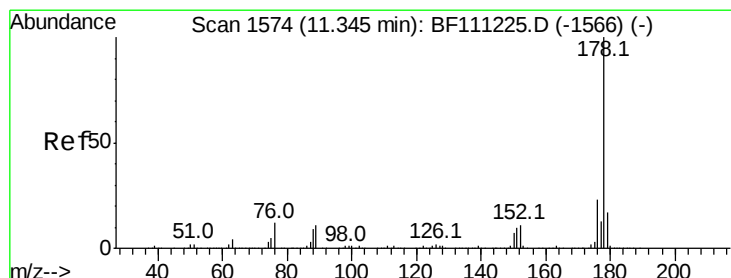
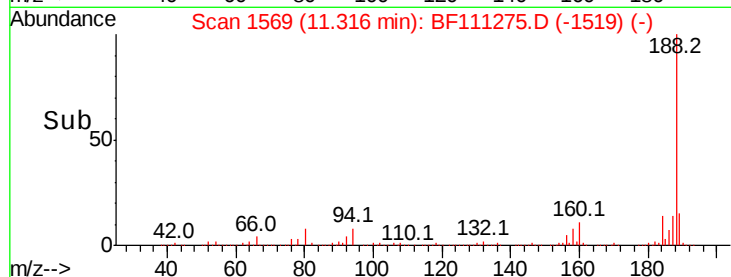
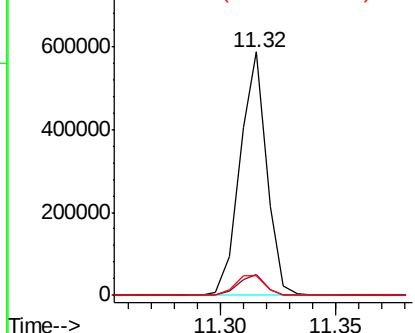
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.3		9.6	14.4#
80	7.9		9.8	14.6#

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM



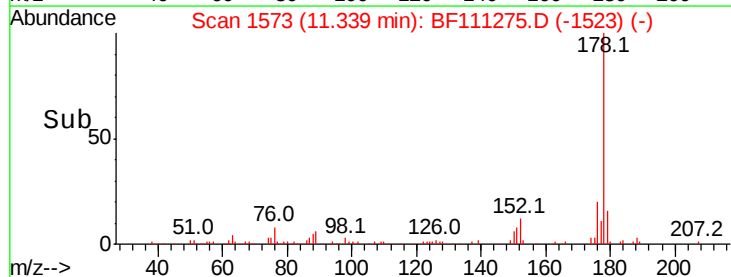
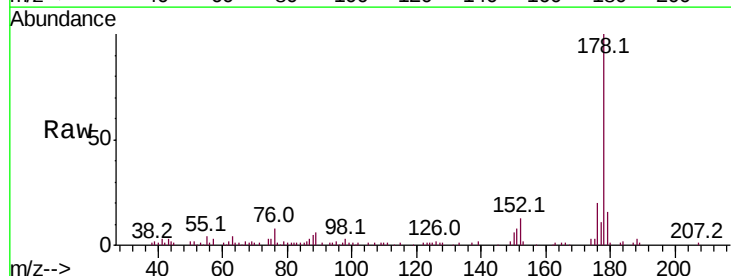
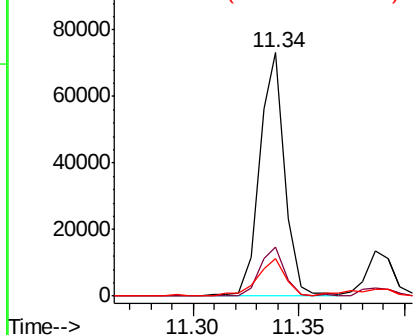
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

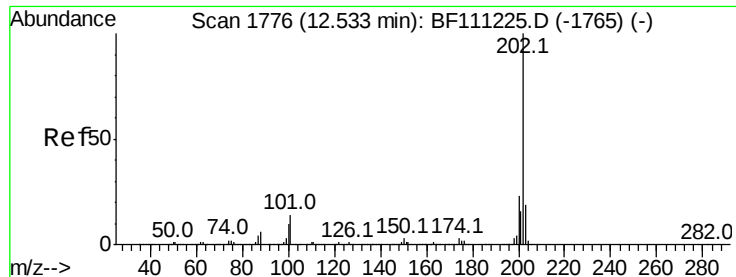


#71
Phenanthrene
Concen: 2.532 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.9		18.1	27.1
179	15.6		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: 4.492 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Instrument :

BNA_F

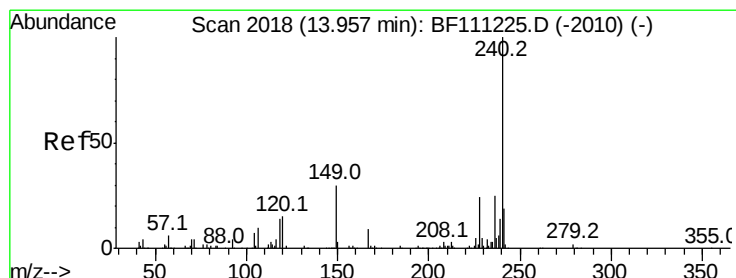
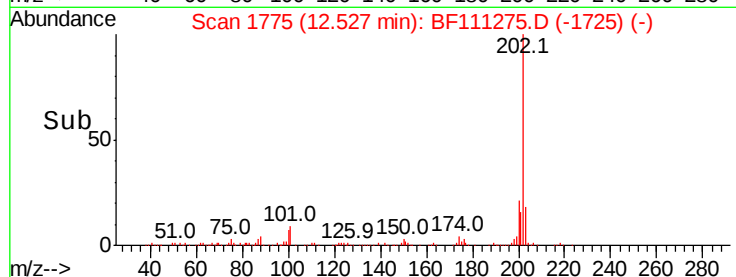
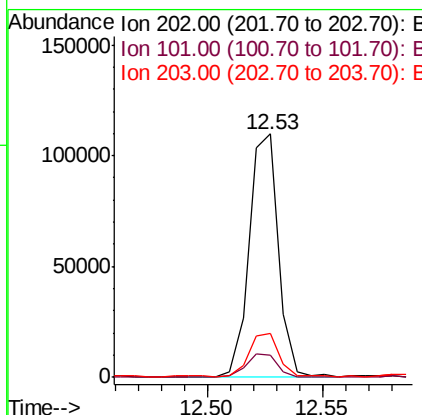
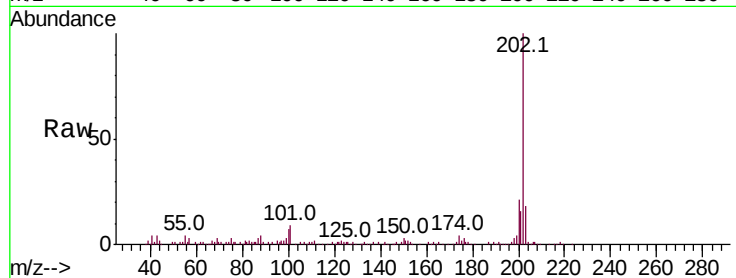
ClientSampleId :

VNJ-218RE

Tot Ion:	202	Resp:	97618
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	33.8
203	17.8	0.0	38.6

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM



#76

Chrysene-d12

Concen: 20.000 ng

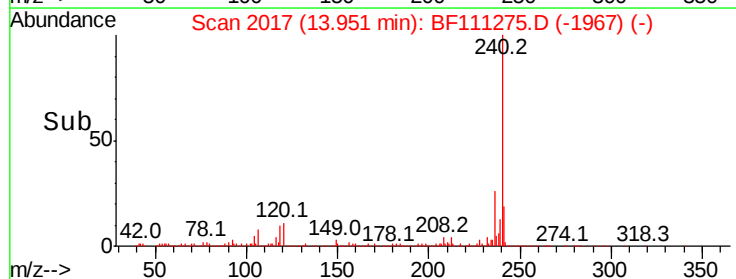
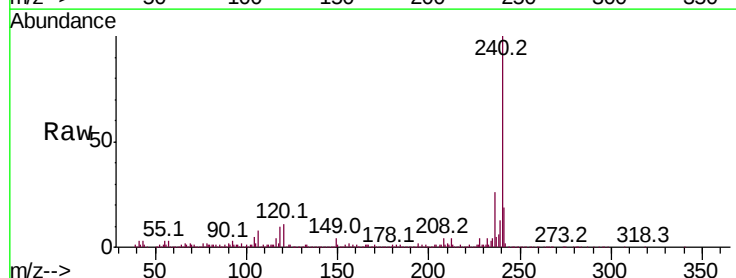
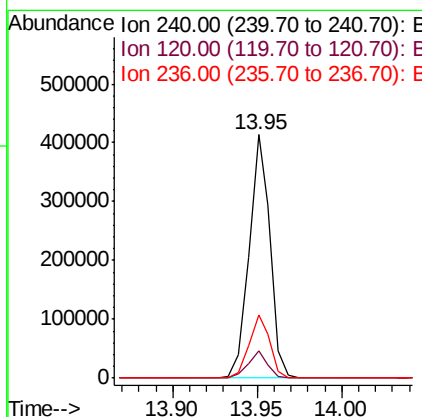
RT: 13.95 min Scan# 2017

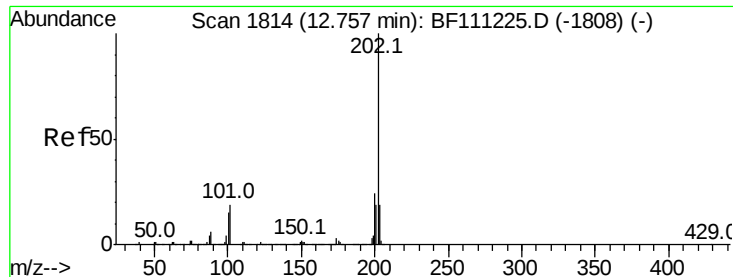
Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Tgt Ion:	240	Resp:	358401
Ion Ratio	Lower	Upper	
240	100		
120	11.1	12.2	18.2#
236	26.0	20.2	30.2





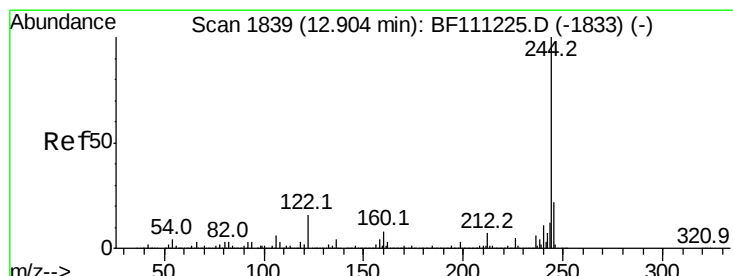
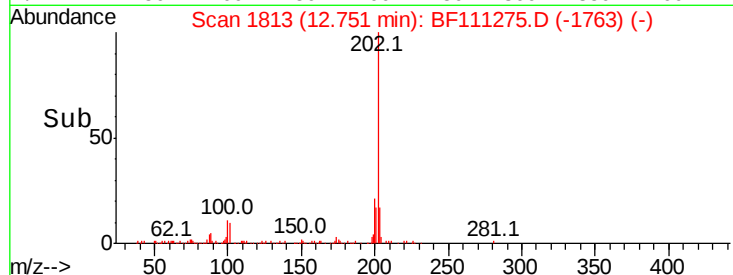
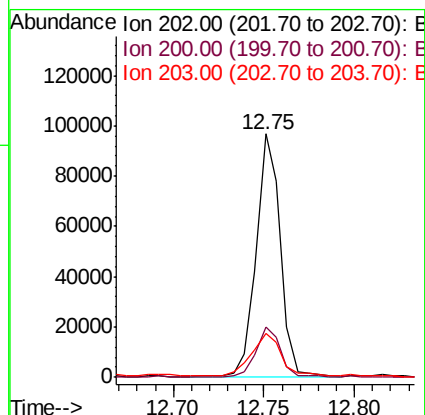
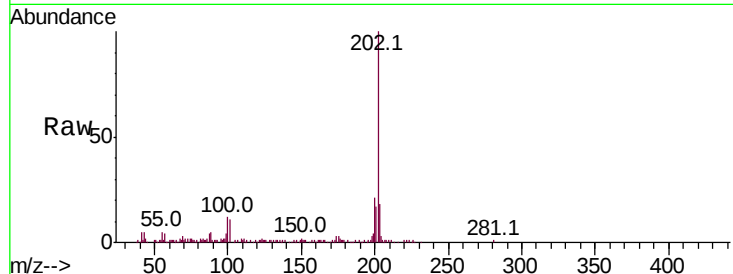
#78
Pvrene
Concen: 3.517 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.0	28.4
203	18.1	15.2	22.8

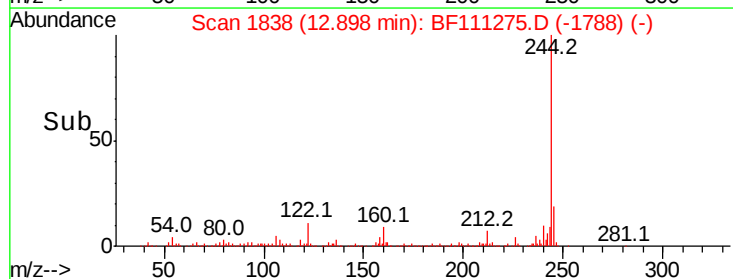
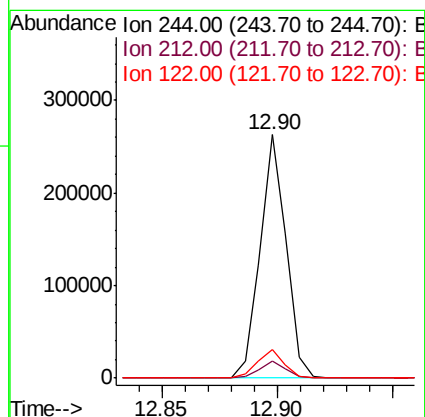
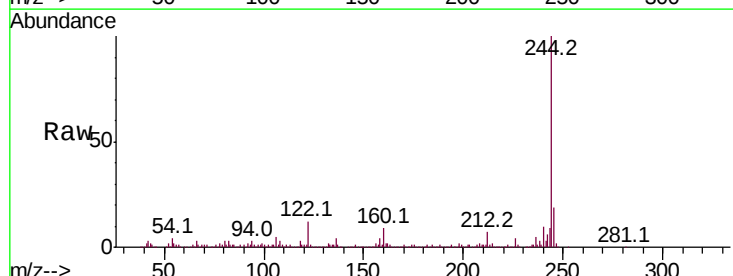
Manual Integrations
APPROVED

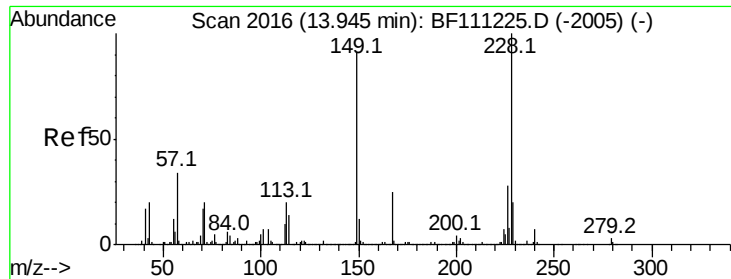
Sohil
12/12/2018 5:30:02 PM



#79
Terphenyl-d14
Concen: 13.853 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.6	13.1	19.7#





#81

Benzo(a)anthracene

Concen: 2.166 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Instrument :

BNA_F

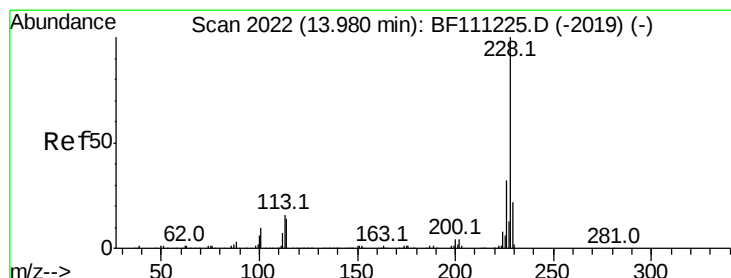
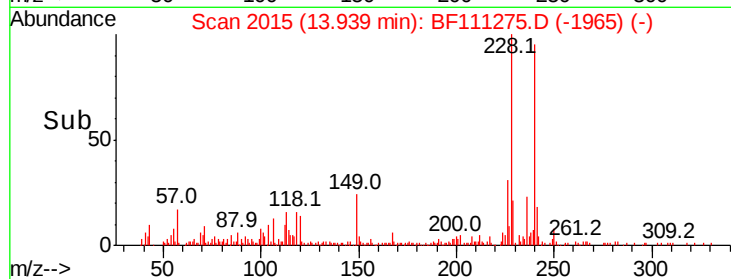
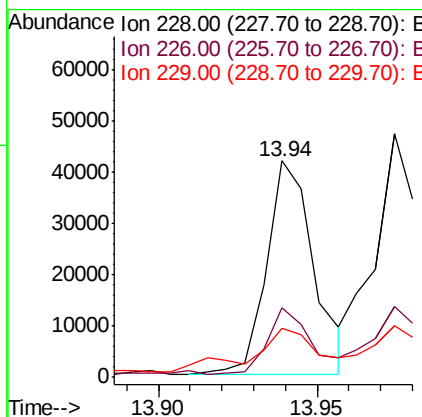
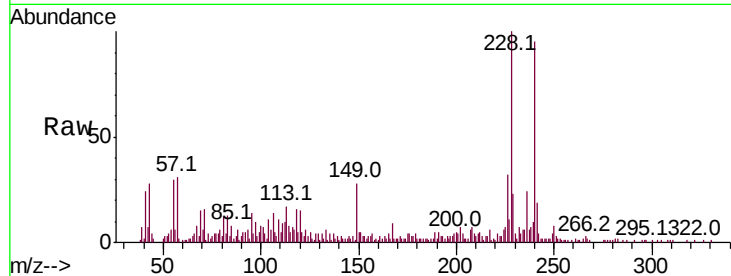
ClientSampleId :

VNJ-218RE

Tot Ion:	228	Resp:	43308
Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	34.0
229	22.8	16.3	24.5

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM



#83

Chrysene

Concen: 2.152 ng

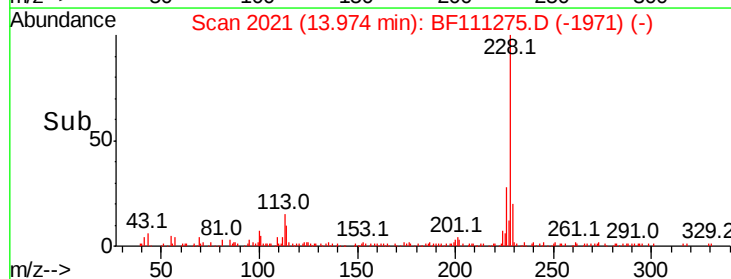
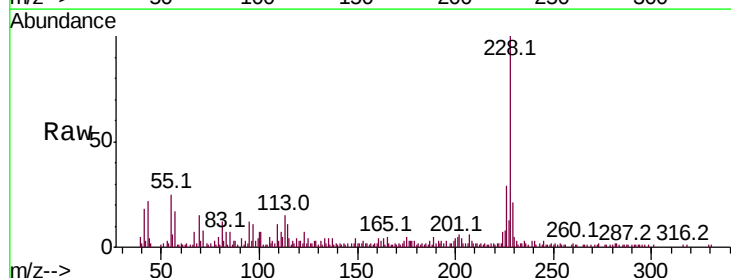
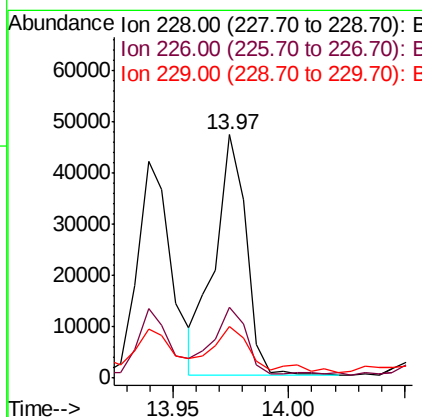
RT: 13.97 min Scan# 2021

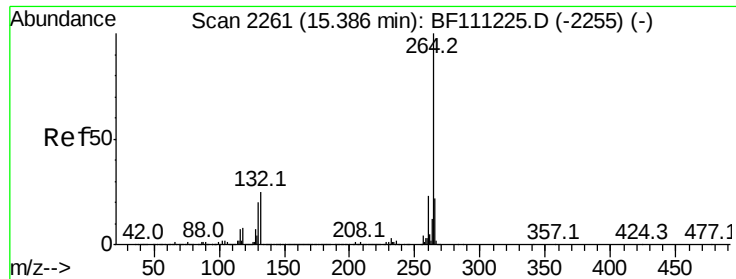
Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Tgt Ion:	228	Resp:	44366
Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.3	37.9
229	21.1	17.2	25.8





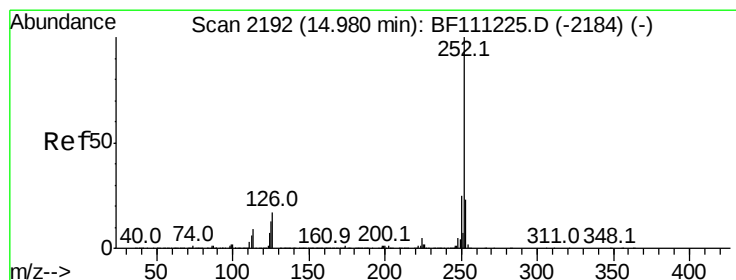
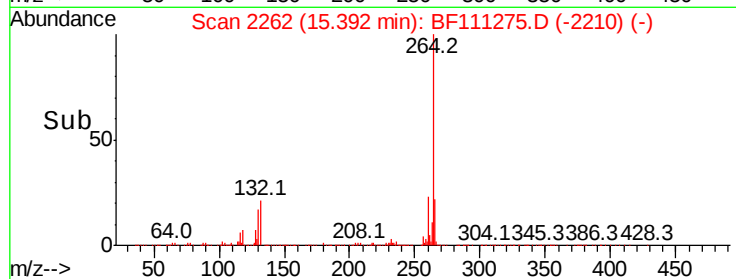
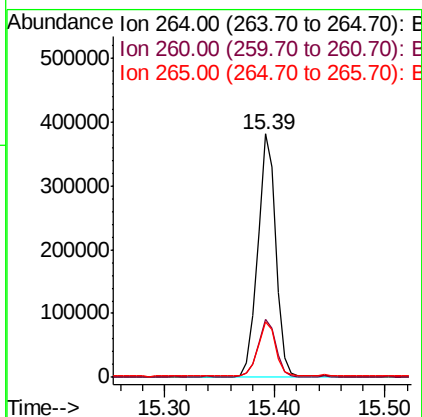
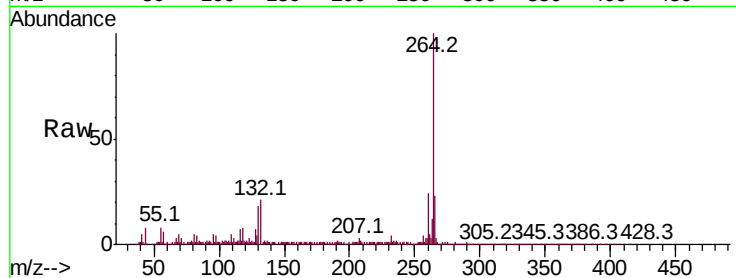
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :
VNJ-218RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.8	17.7	26.5

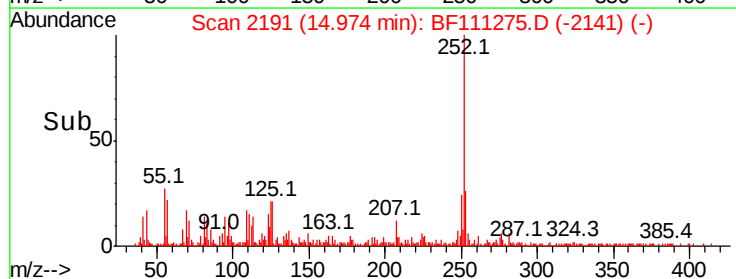
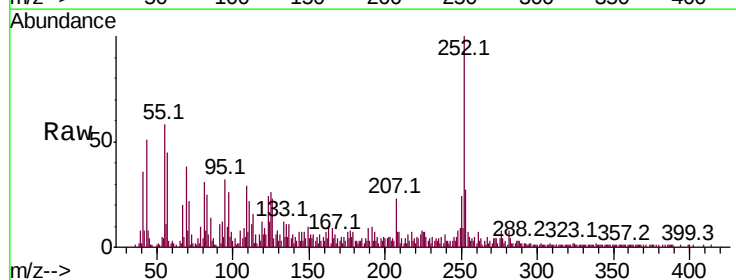
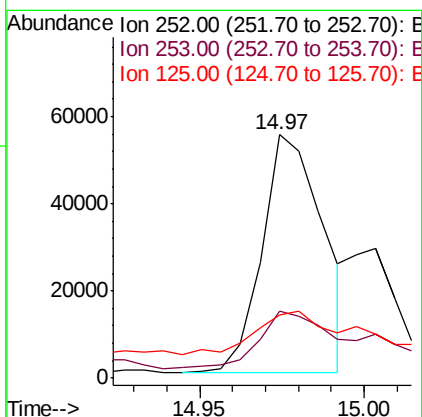
Manual Integrations
APPROVED

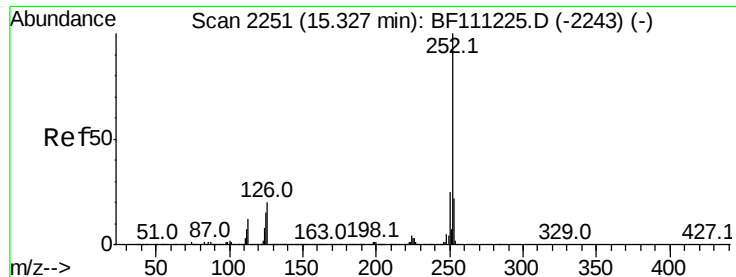
Sohil
12/12/2018 5:30:02 PM



#88
Benzo(b)fluoranthene
Concen: 2.938 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.2	27.2#
125	25.8	10.4	15.6#





#90

Benzo(a)pyrene

Concen: 2.148 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Instrument :

BNA_F

ClientSampleId :

VNJ-218RE

Tot Ion:	252	Resp:	47857
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.8	26.8#
125	27.6	12.3	18.5#

Manual Integrations
APPROVED

Sohil
12/12/2018 5:30:02 PM

