

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093578.D
 Acq On : 11 Mar 2017 20:15
 Operator : SJ/MA
 Sample : I2233-04 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Manual Integrations
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mohammad
 3/15/2017 5:32:34 PM

Quant Time: Mar 13 16:37:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	193513	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	779072	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	333356	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	540839	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	370916	20.00	ng	-0.01
86) Perylene-d12	15.27	264	346098	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	606741	52.18	ng	0.00
7) Phenol-d6	6.38	99	917772	62.59	ng	0.00
23) Nitrobenzene-d5	7.29	82	544457	38.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	86214	39.70	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	792204	44.20	ng	-0.01
78) Terphenyl-d14	12.81	244	515090	36.11	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.40	94	52239	2.91	ng	94
37) 2-Methylnaphthalene	8.72	142	50364	2.03	ng	96
49) Dimethylphthalate	9.49	163	85291	3.86	ng	99
51) Acenaphthene	9.78	154	52398	2.89	ng	97
54) Dibenzofuran	9.97	168	68639	3.03	ng	95
57) Fluorene	10.31	166	58081	3.02	ng	89
70) Phenanthrene	11.26	178	321606	10.42	ng	98
71) Anthracene	11.32	178	77461	2.48	ng	97
74) Fluoranthene	12.45	202	355678	11.93	ng	98
77) Pyrene	12.68	202	330519	12.25	ng	98
80) Benzo(a)anthracene	13.87	228	174701	7.98	ng	99
82) Chrysene	13.90	228	124947	6.17	ng	98
85) Indeno(1,2,3-cd)pyrene	16.63	276	88901	5.24	ng	99
87) Benzo(b)fluoranthene	14.89	252	199667m	9.47	ng	
88) Benzo(k)fluoranthene	14.92	252	60492m	2.98	ng	
89) Benzo(a)pyrene	15.23	252	143511	7.45	ng	99
91) Benzo(a,h,i)perylene	17.03	276	88851	5.43	ng	# 85

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

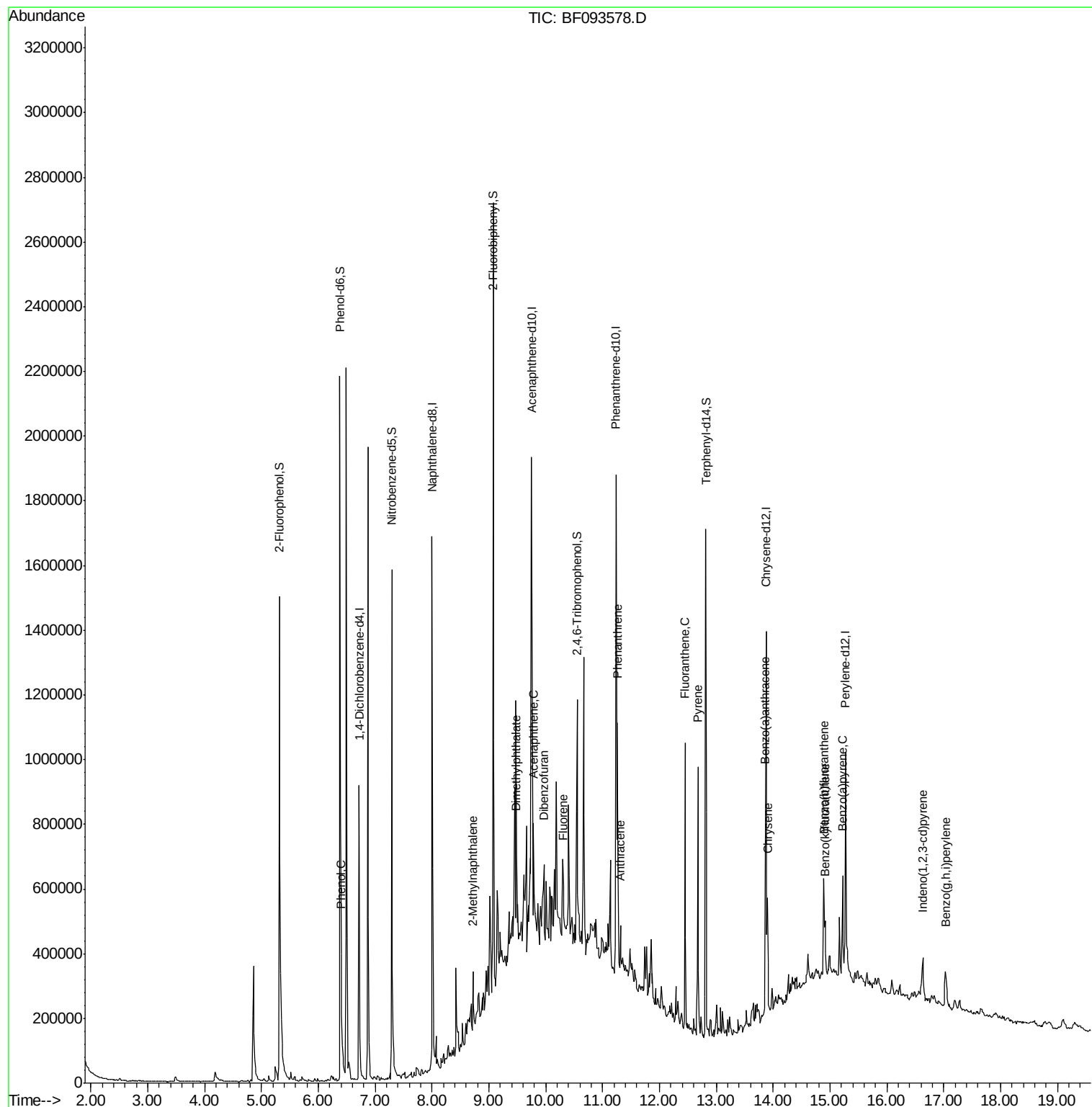
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
Data File : BF093578.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

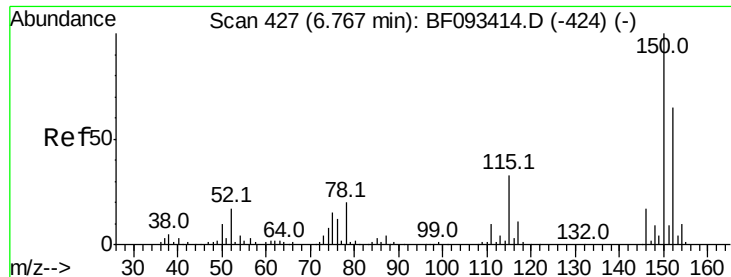
Instrument :
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#1

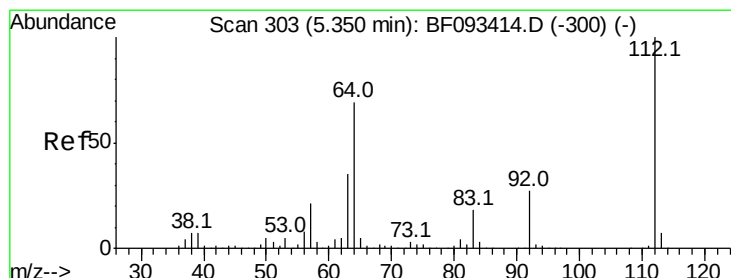
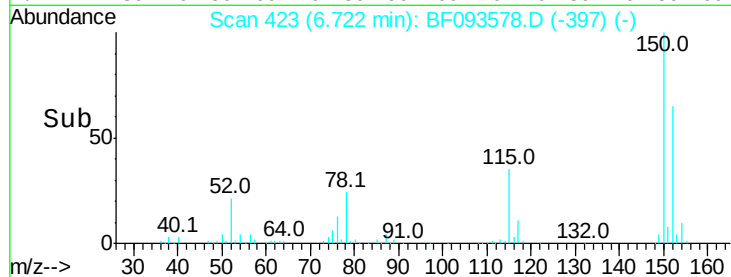
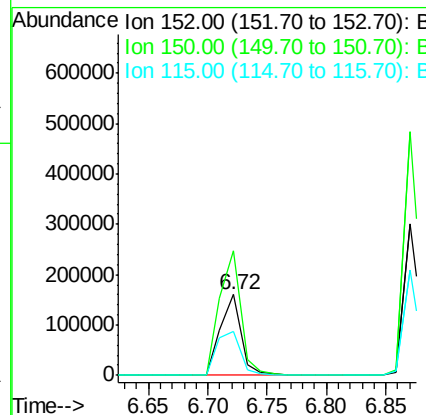
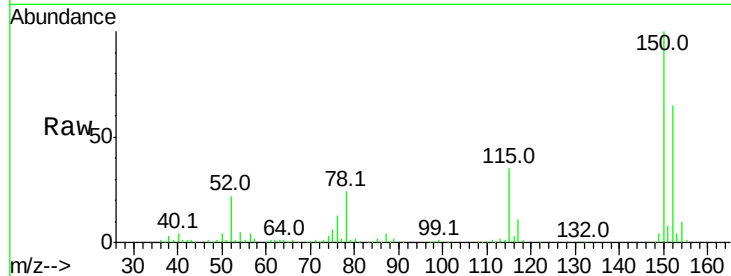
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.9	187.3
115	54.1	46.0	69.0

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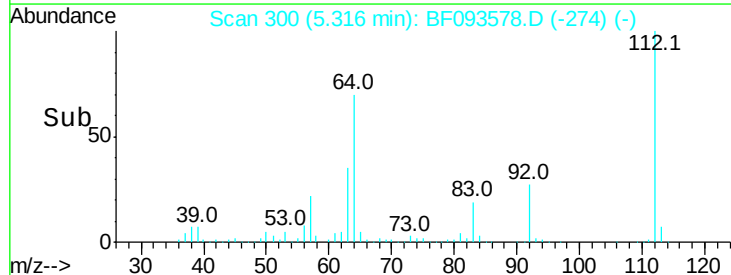
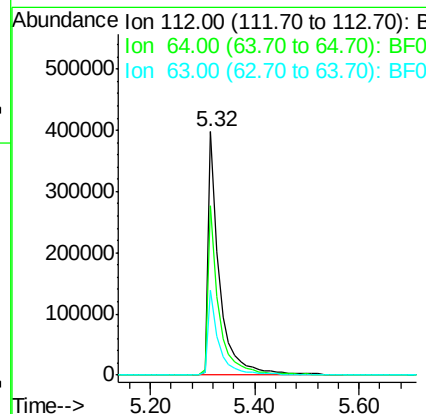
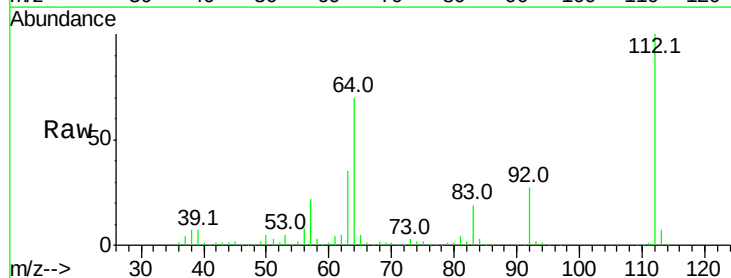
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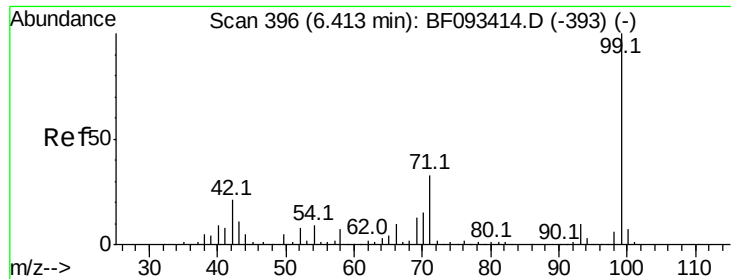


#5

2-Fluorophenol
Concen: 52.18 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	46.1	69.1#
63	34.7	23.8	35.6





#7

Phenol-d6

Concen: 62.59 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Instrument :

BNA_F

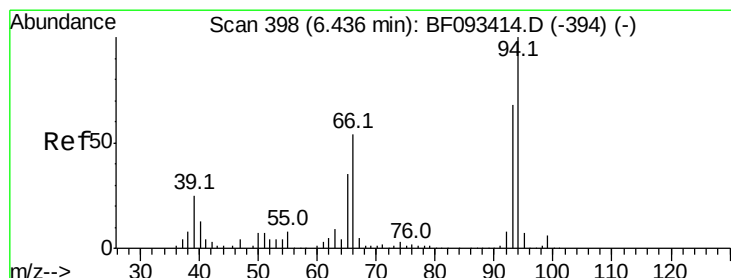
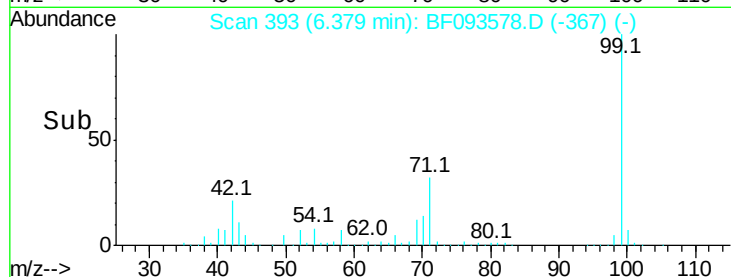
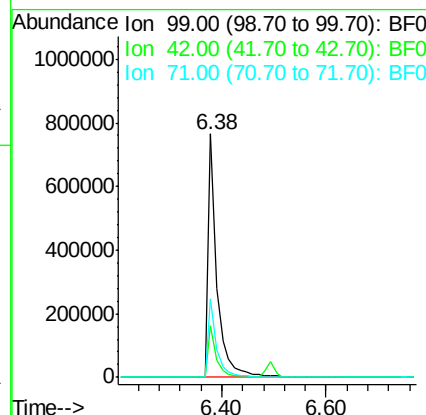
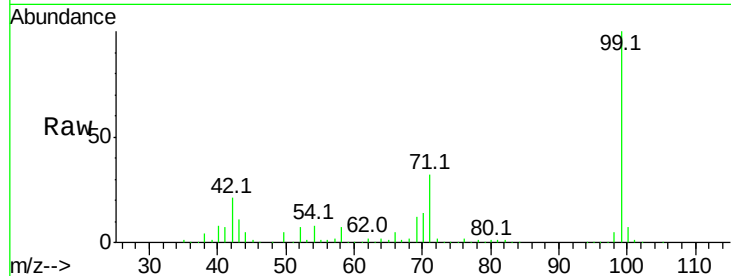
ClientSampleId :

VNJ-239

Tot Ion:	99	Resp:	917772
Ion	Ratio	Lower	Upper
99	100		
42	21.3	15.6	23.4
71	32.3	27.5	41.3

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#10

Phenol

Concen: 2.91 ng

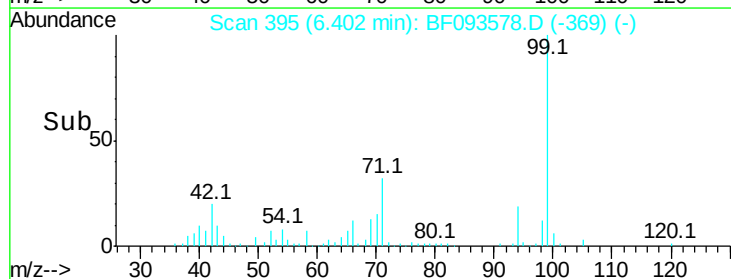
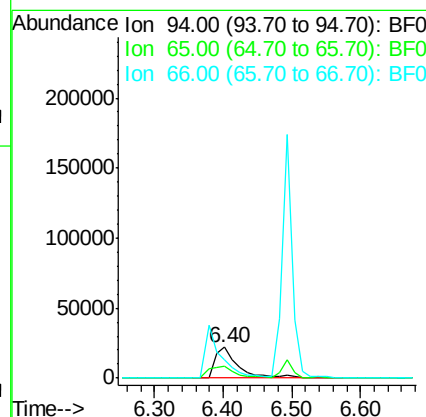
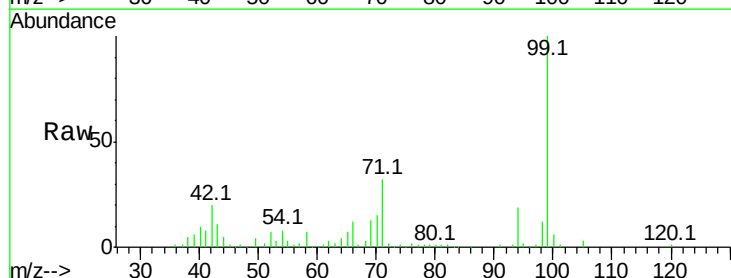
RT: 6.40 min Scan# 395

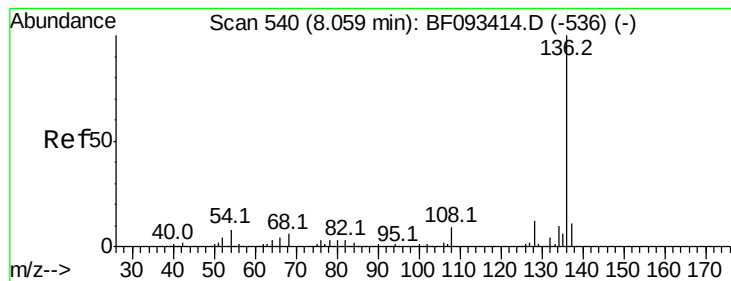
Delta R.T. -0.00 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Tgt Ion:	94	Resp:	52239
Ion	Ratio	Lower	Upper
94	100		
65	37.2	21.4	61.4
66	59.4	44.0	84.0





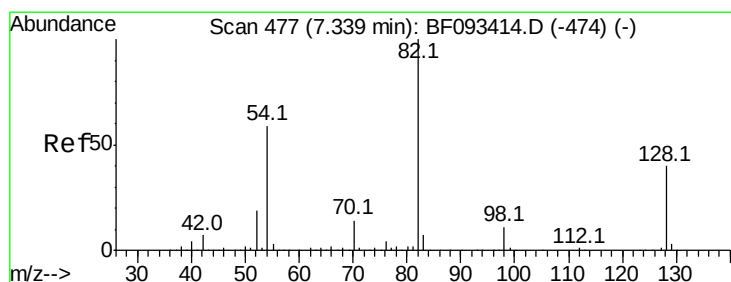
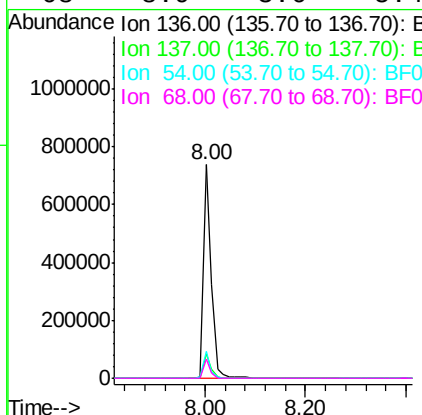
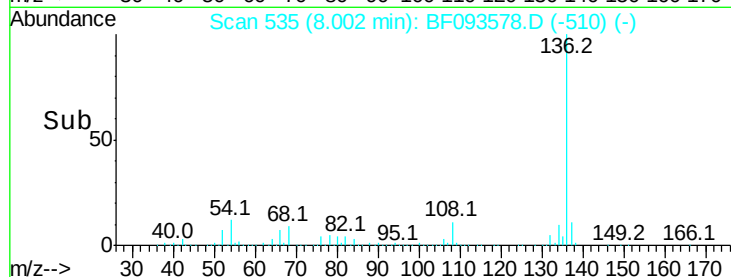
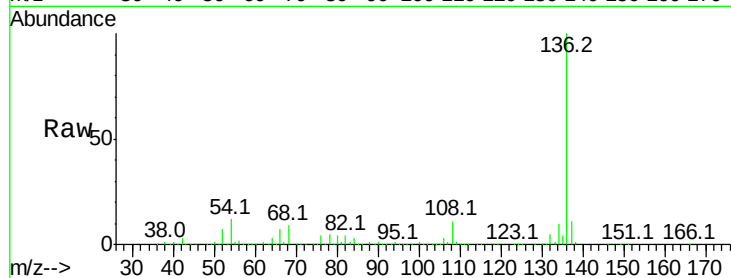
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.4	12.6	
54	12.3	4.5	6.7#	
68	8.9	3.6	5.4#	

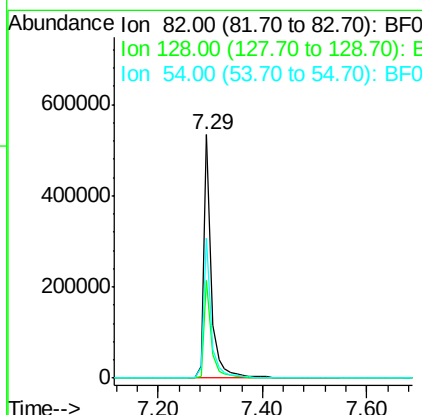
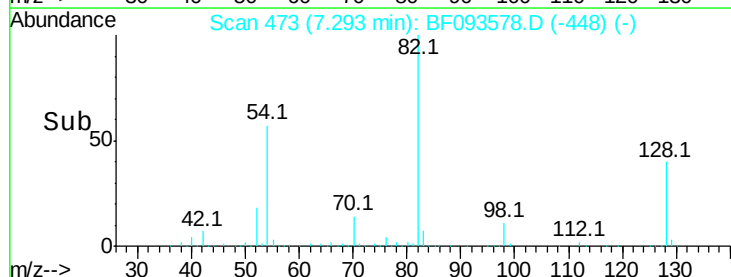
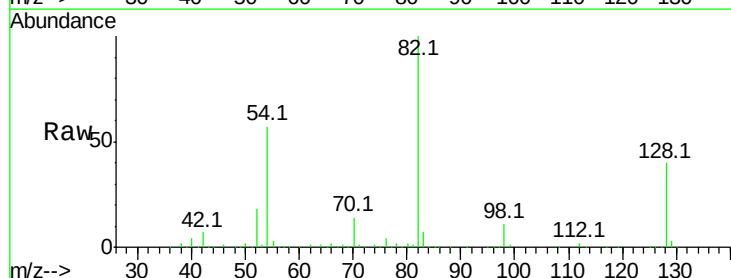
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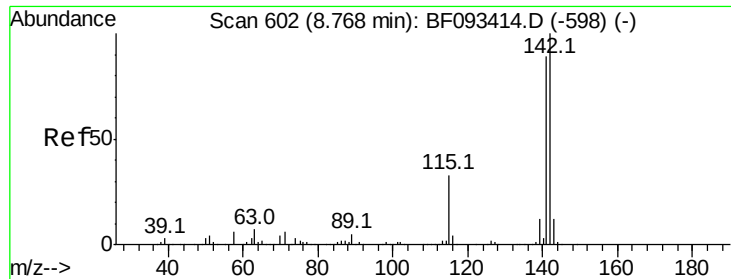
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#23
Nitrobenzene-d5
Concen: 38.78 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.2	34.6	52.0	
54	57.3	39.5	59.3	





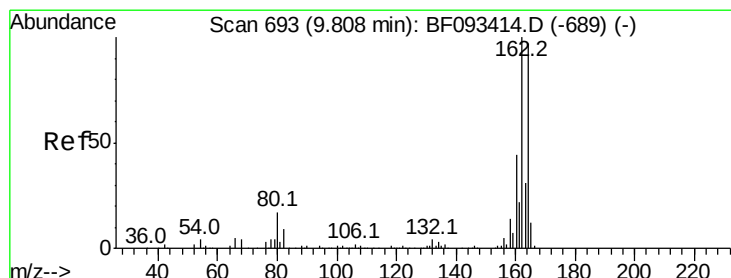
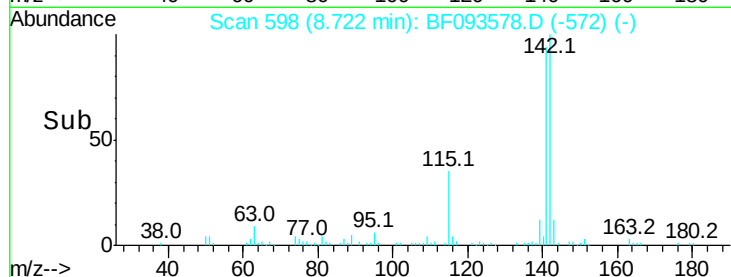
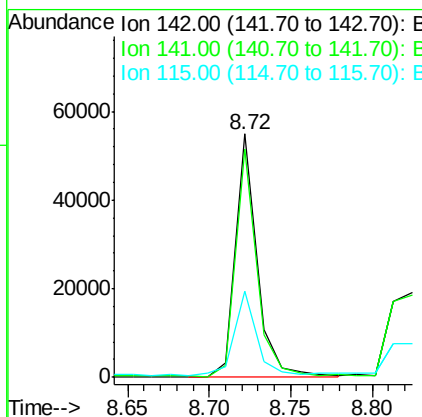
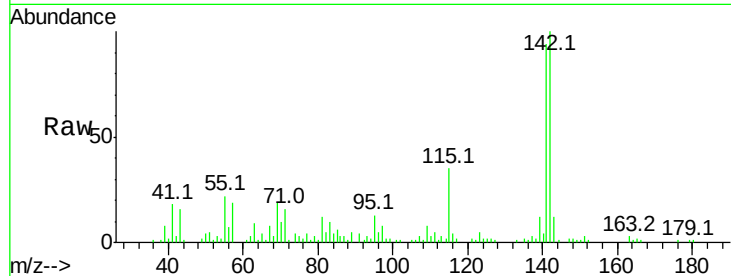
#37
2-Methylnaphthalene
Concen: 2.03 ng
RT: 8.72 min Scan# 598
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.0	71.0	106.6
115	35.2	28.3	42.5

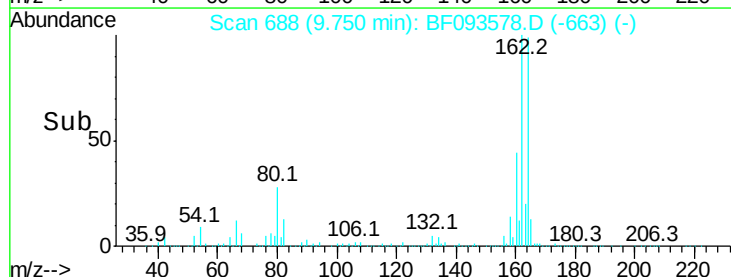
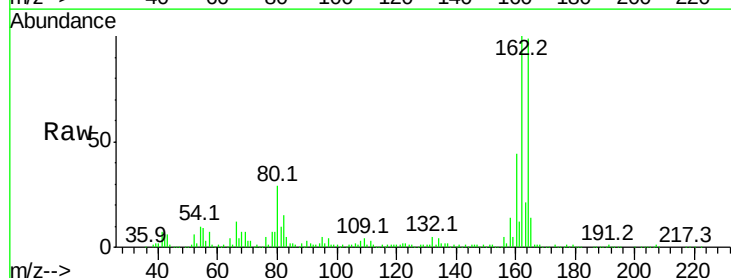
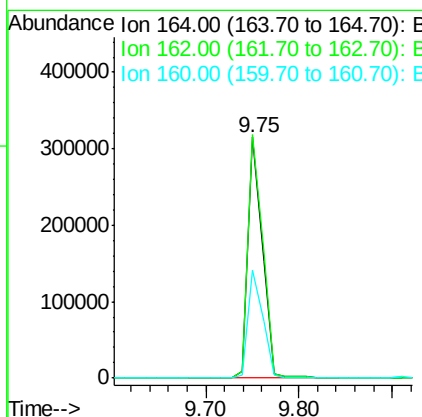
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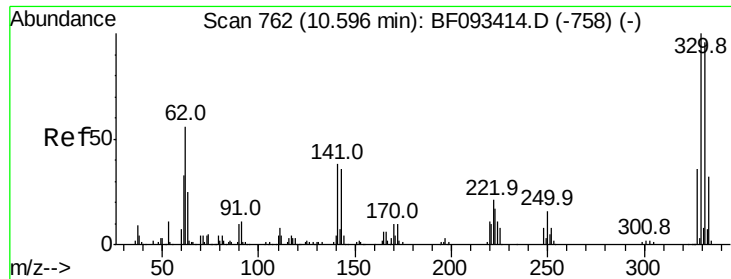
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.2	120.2
160	44.8	36.9	55.3





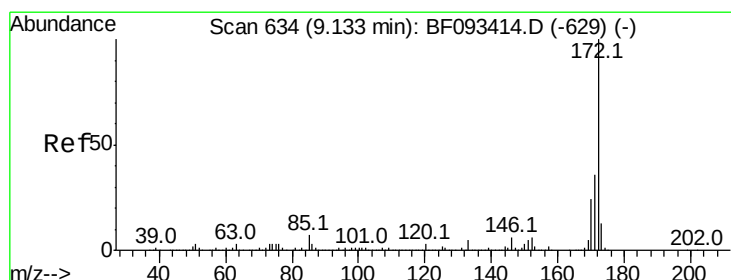
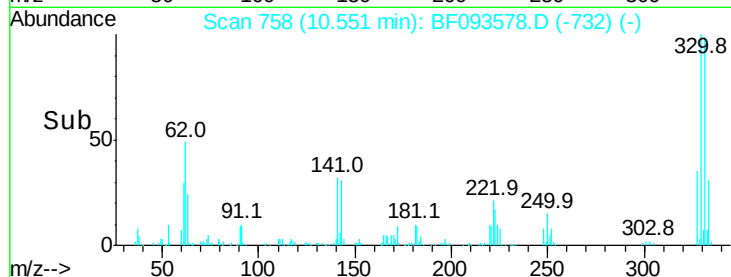
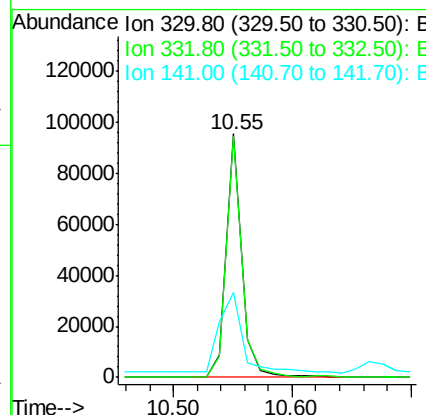
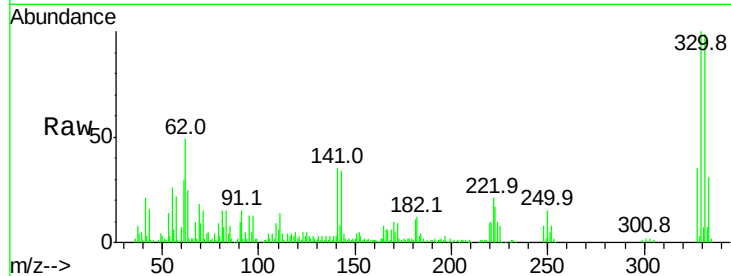
#41
 2,4,6-Tribromophenol
 Concen: 39.70 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF093578.D
 Acq: 11 Mar 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.4	116.2
141	49.1	34.1	51.1

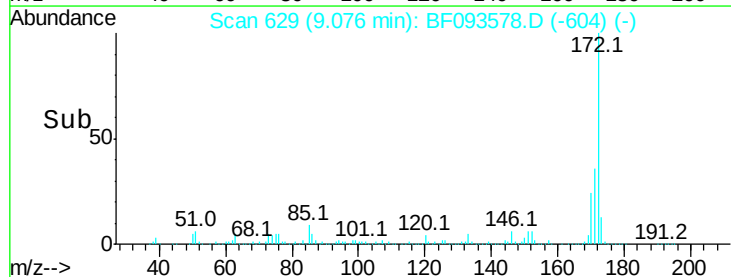
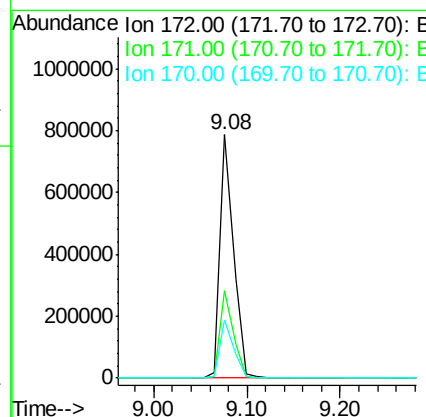
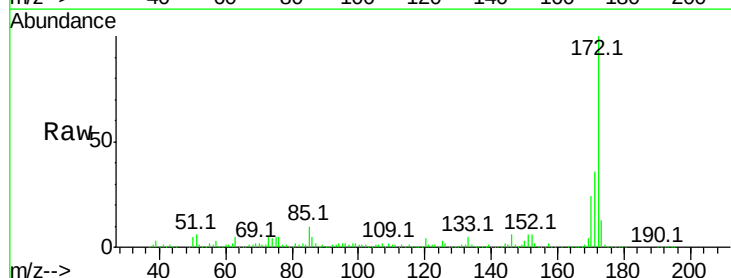
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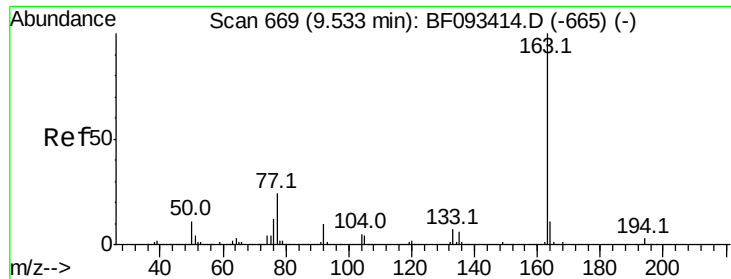
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#44
 2-Fluorobiphenyl
 Concen: 44.20 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093578.D
 Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.0	20.2	30.4





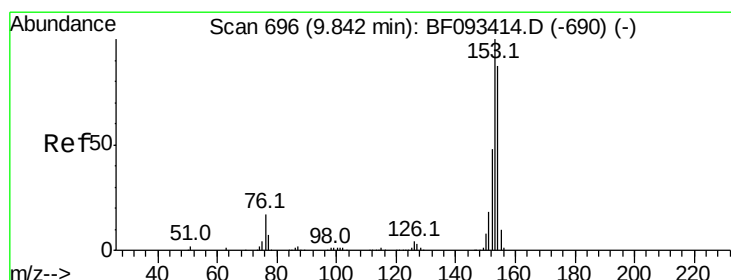
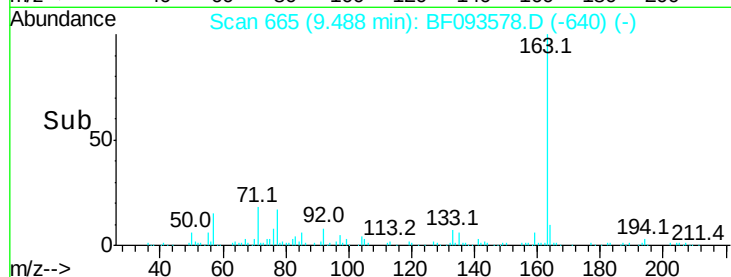
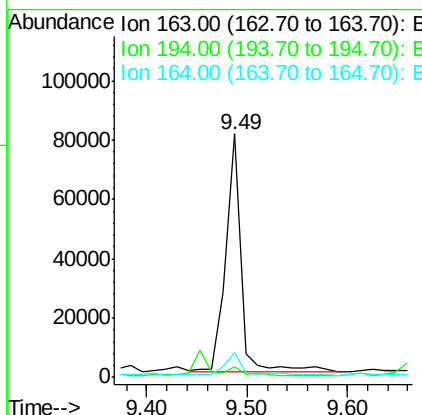
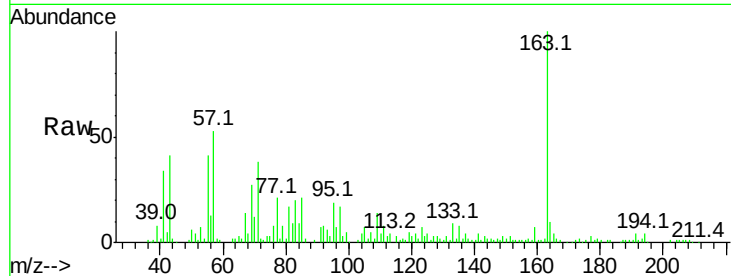
#49
Dimethylphthalate
Concen: 3.86 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Resp	Lower	Upper
163	100	85291		
194	4.1		3.0	4.4
164	10.1		8.0	12.0

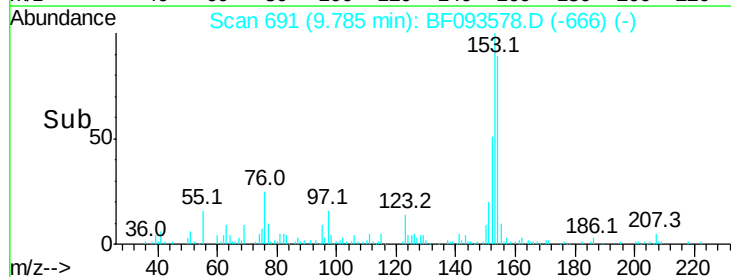
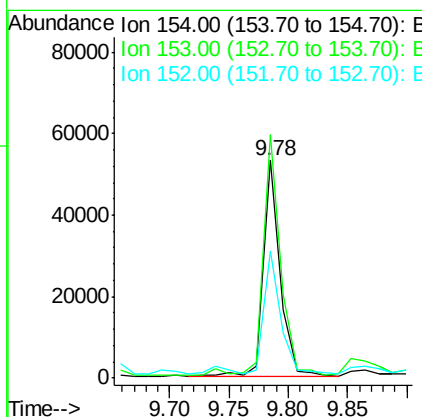
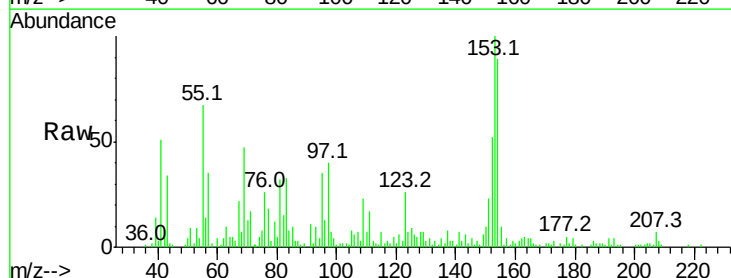
Manual Integrations
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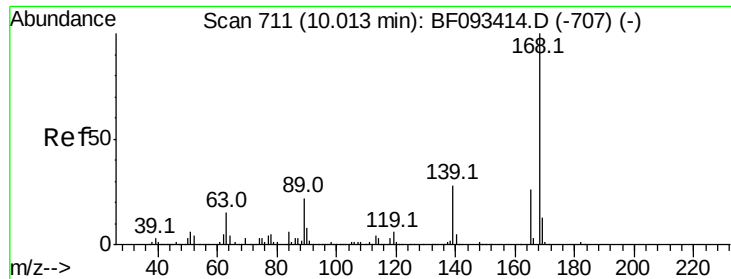
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#51
Acenaphthene
Concen: 2.89 ng
RT: 9.78 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	52398		
153	111.8		88.6	133.0
152	58.2		41.6	62.4





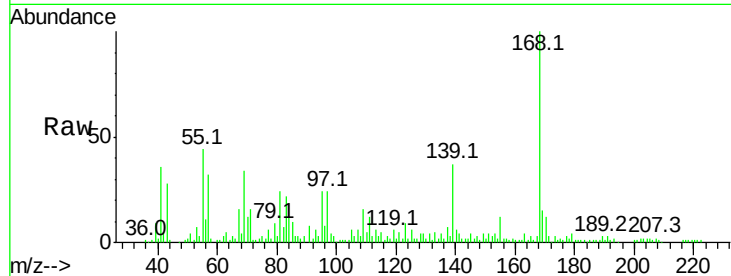
#54
Dibenzofuran
Concen: 3.03 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

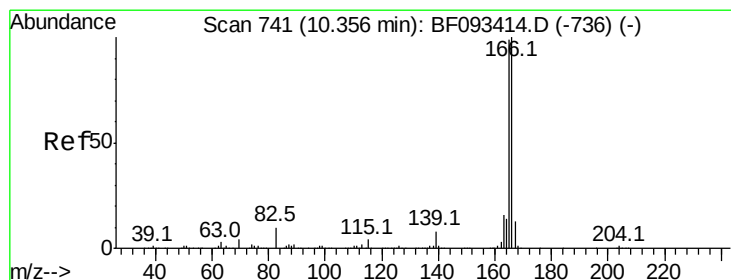
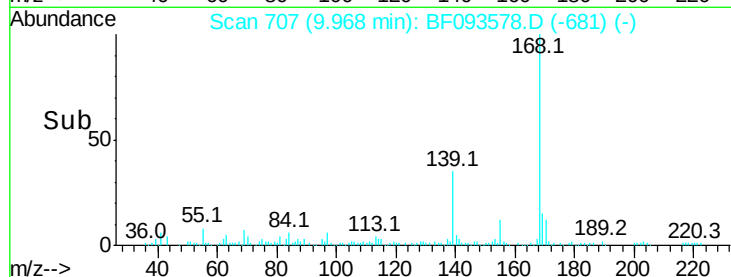
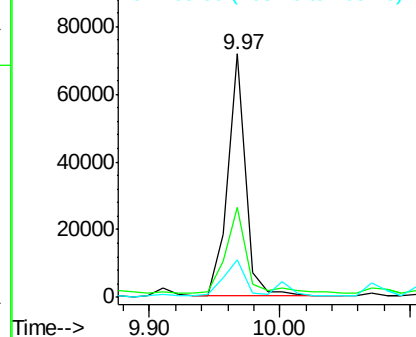
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	32.6	49.0
169	15.3	11.3	16.9

Manual Integrations
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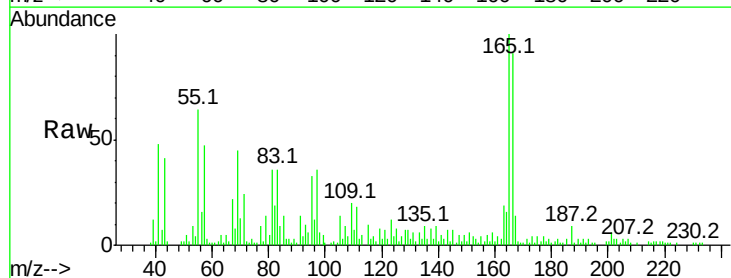


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

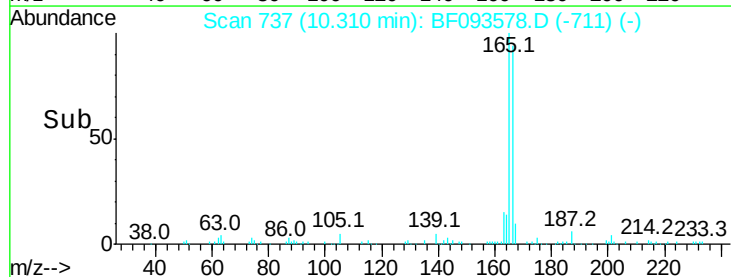
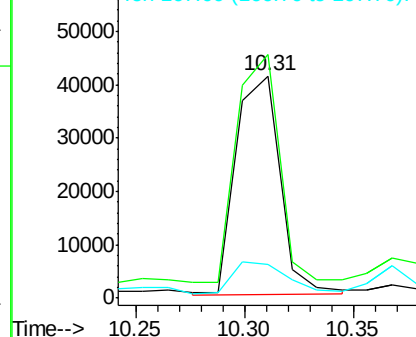


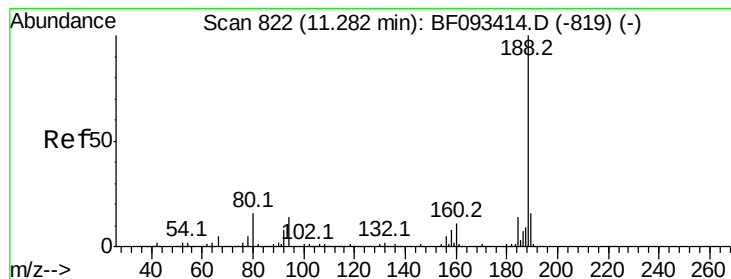
#57
Fluorene
Concen: 3.02 ng
RT: 10.31 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.6	77.8	116.8
167	15.4	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Instrument :

BNA_F

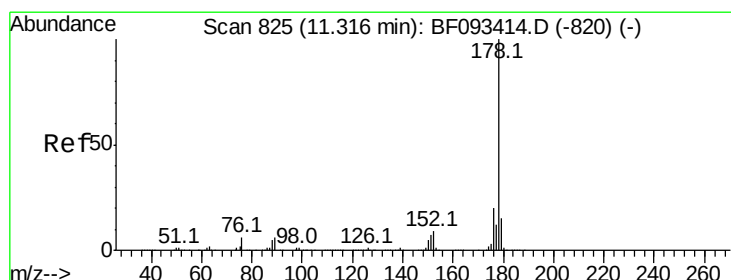
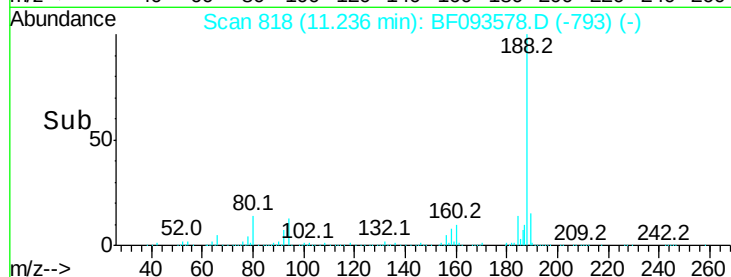
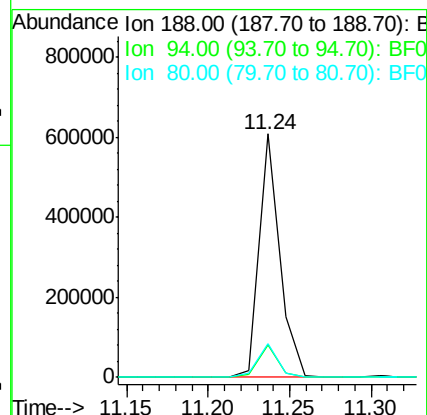
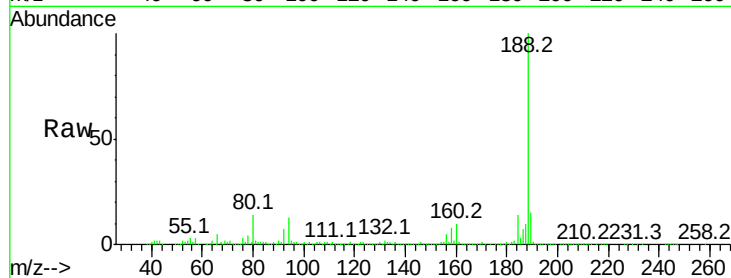
ClientSampleId :

VNJ-239

Tot Ion:	188	Resp:	540839
Ion Ratio	Lower	Upper	
188	100		
94	13.1	10.0	15.0
80	14.0	11.2	16.8

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#70

Phenanthrene

Concen: 10.42 ng

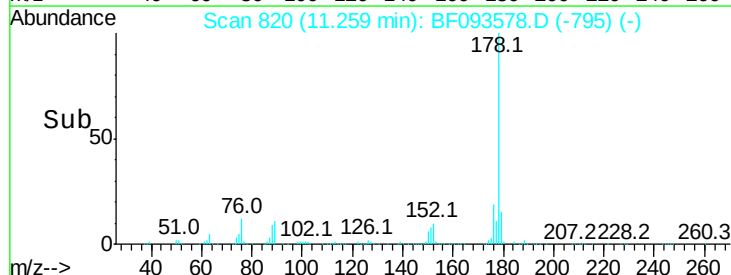
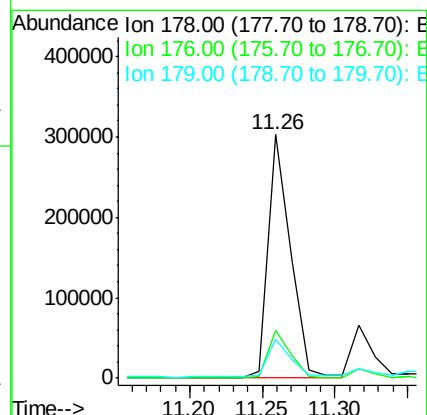
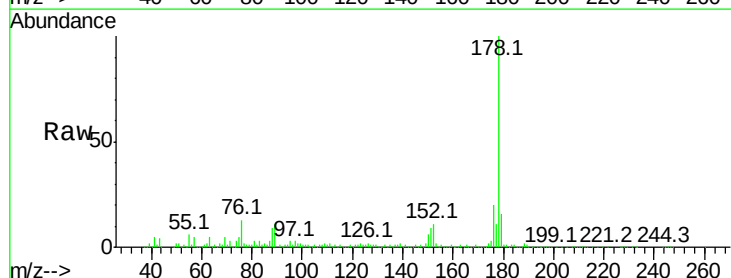
RT: 11.26 min Scan# 820

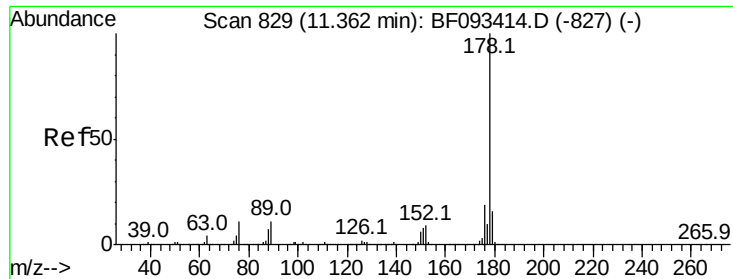
Delta R.T. -0.01 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Tgt Ion:	178	Resp:	321606
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.6	25.0
179	15.8	12.8	19.2





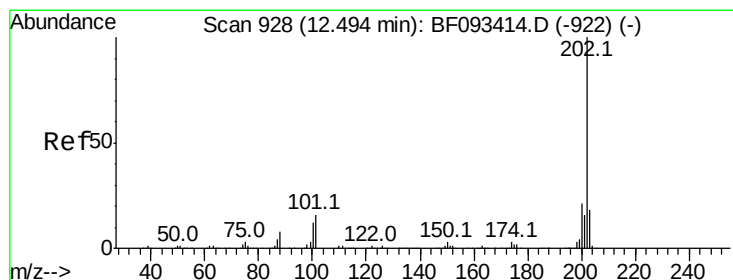
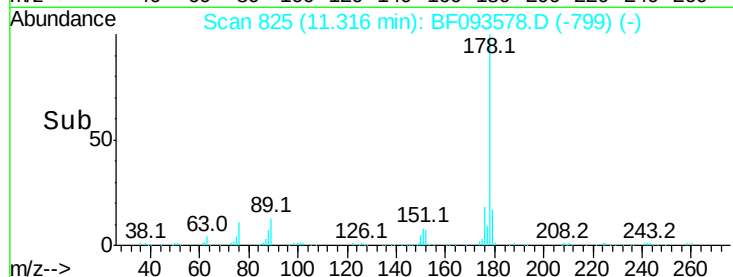
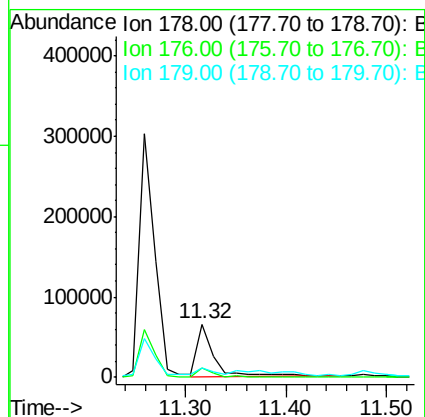
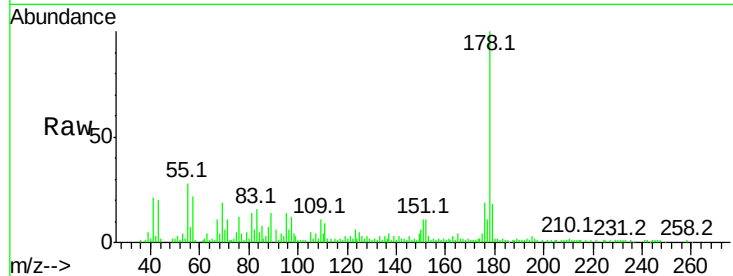
#71
 Anthracene
 Concen: 2.48 ng
 RT: 11.32 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF093578.D
 Acq: 11 Mar 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	18.4	13.2	19.8

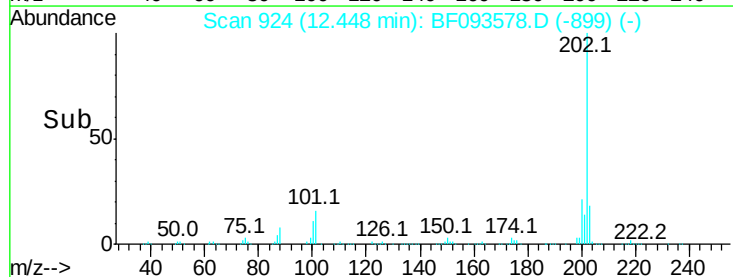
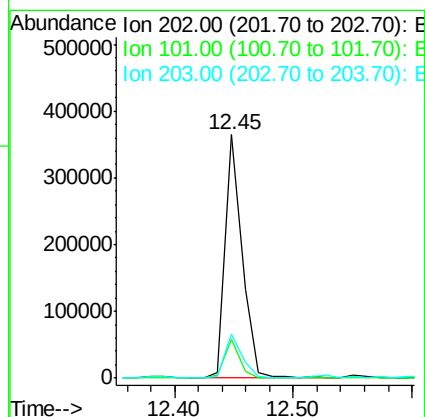
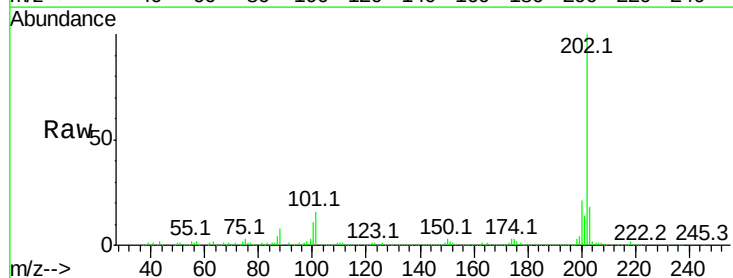
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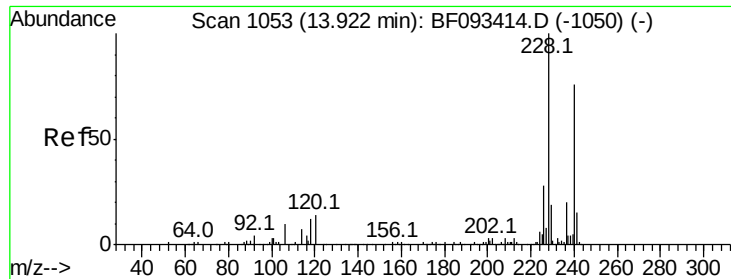
mohammad
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#74
 Fluoranthene
 Concen: 11.93 ng
 RT: 12.45 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF093578.D
 Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.6
203	17.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Instrument :

BNA_F

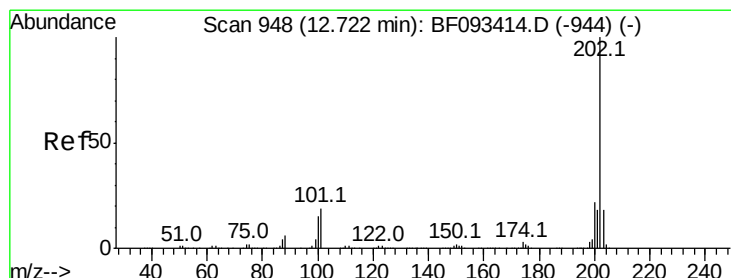
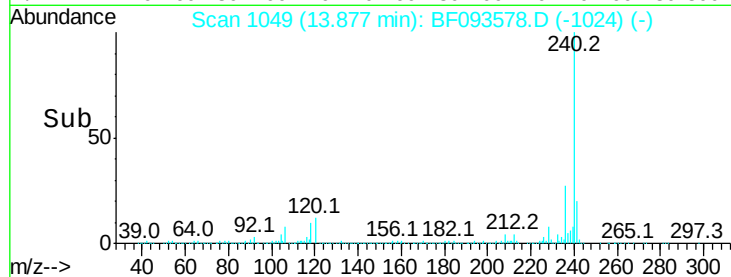
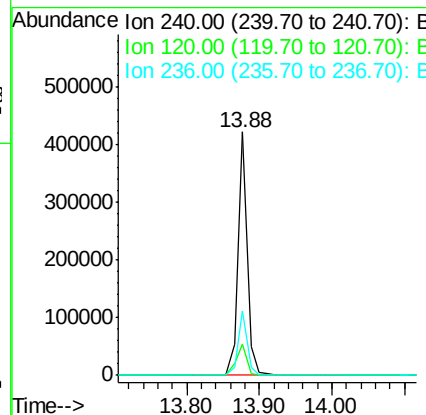
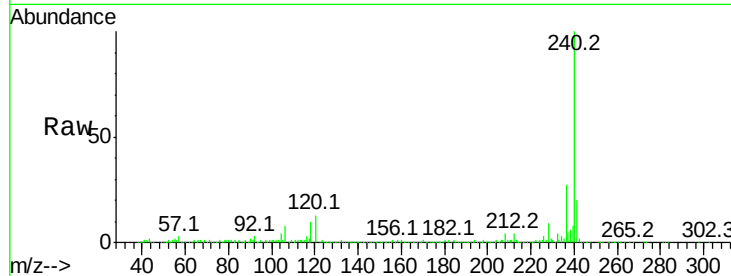
ClientSampled :

VNJ-239

Tot Ion	Ratio	Resp	Lower	Upper
240	100	370916		
120	12.6	12.9	19.3#	
236	26.6	20.9	31.3	

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#77

Pyrene

Concen: 12.25 ng

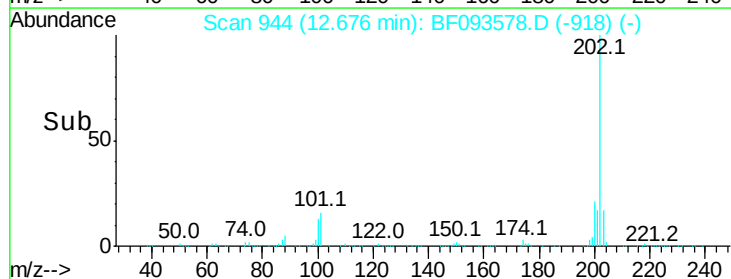
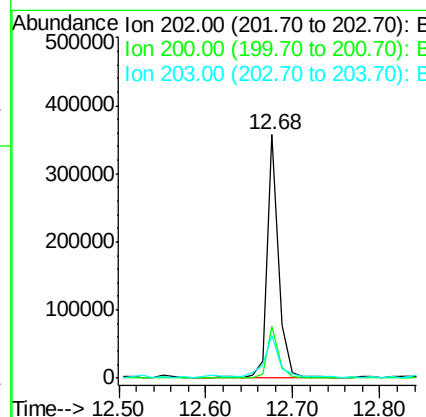
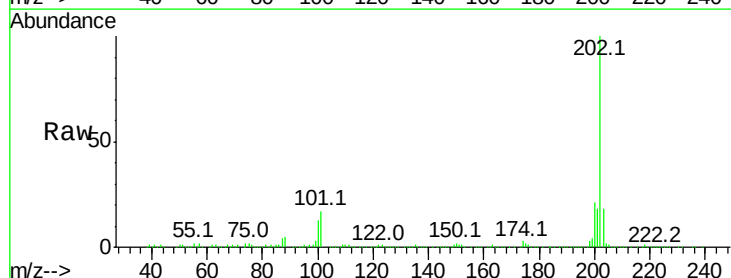
RT: 12.68 min Scan# 944

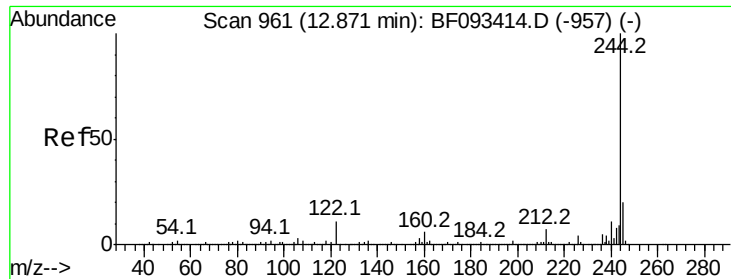
Delta R.T. -0.00 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	330519		
200	21.2	17.7	26.5	
203	17.7	14.7	22.1	





#78

Terphenyl-d14

Concen: 36.11 ng

RT: 12.81 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF093578.D

Acq: 11 Mar 2017 20:15

Instrument :

BNA_F

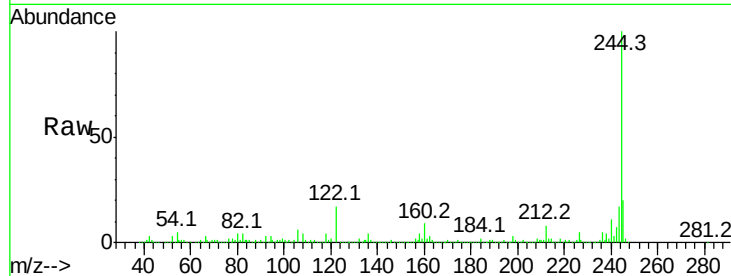
ClientSampleId :

VNJ-239

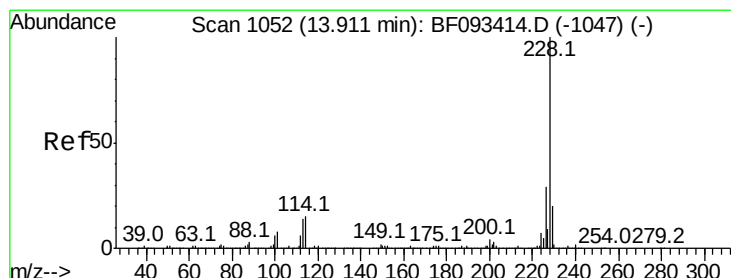
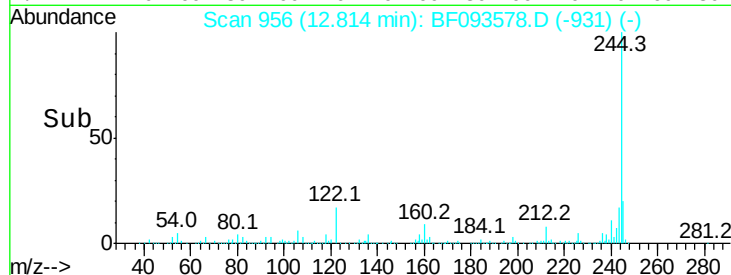
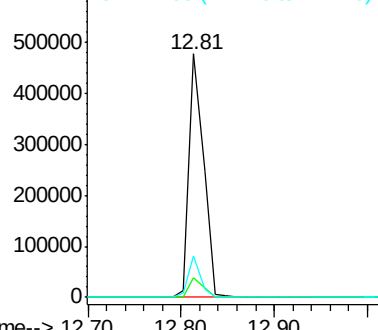
Tot Ion:	244	Resp:	515090
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	17.0	11.4	17.2

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.98 ng

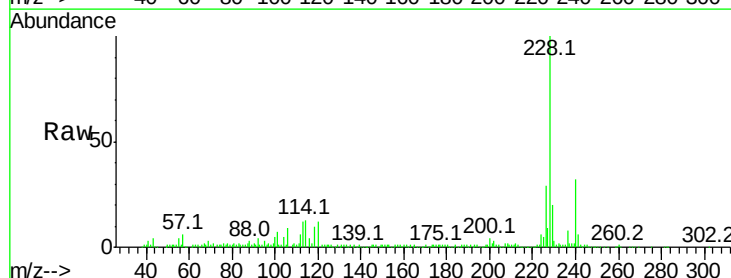
RT: 13.87 min Scan# 1048

Delta R.T. -0.00 min

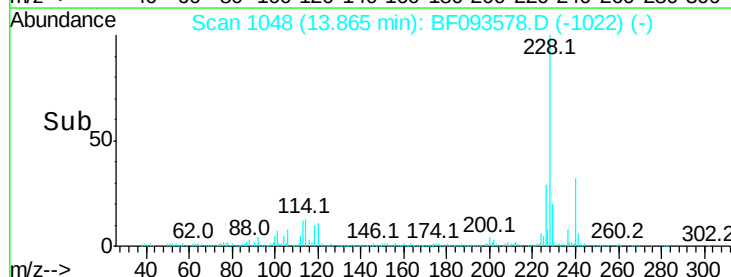
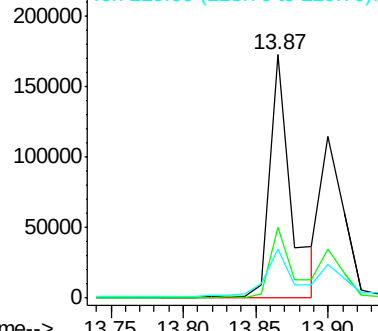
Lab File: BF093578.D

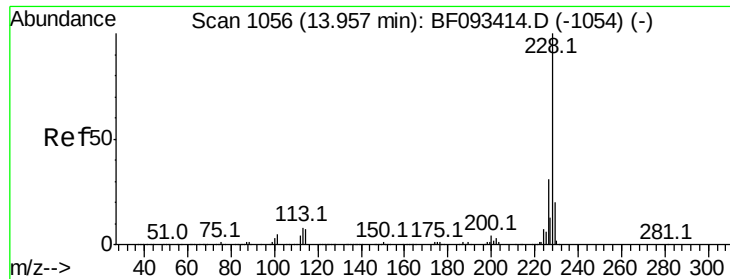
Acq: 11 Mar 2017 20:15

Tgt Ion:	228	Resp:	174701
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.4	33.6
229	20.1	16.2	24.4



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





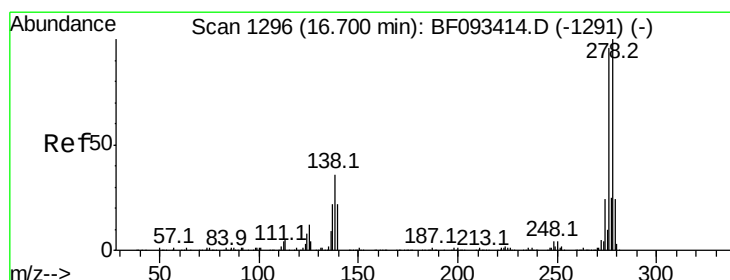
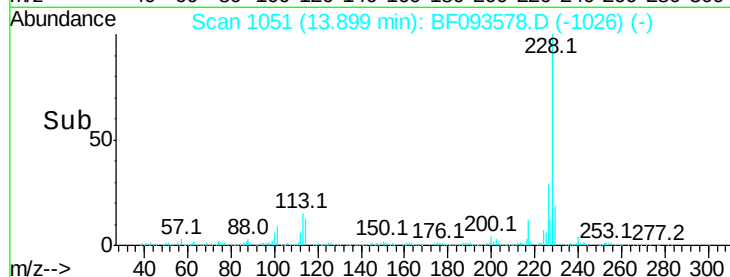
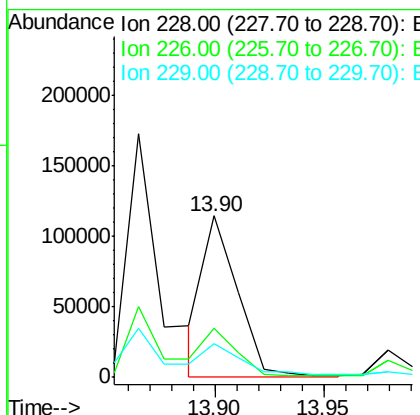
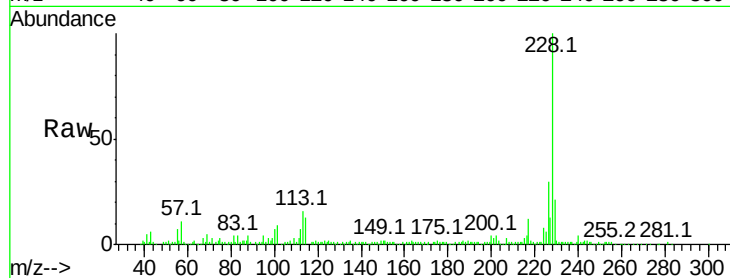
#82
Chrysene
Concen: 6.17 ng
RT: 13.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	20.6	16.2	24.2

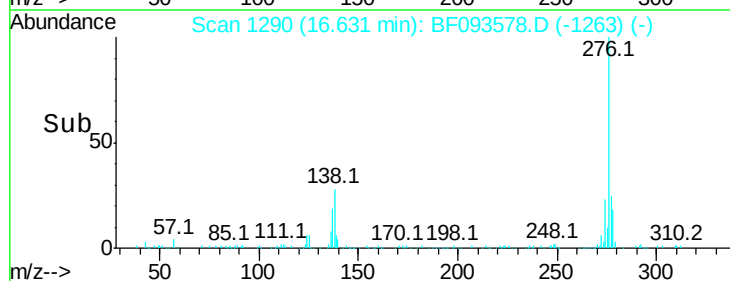
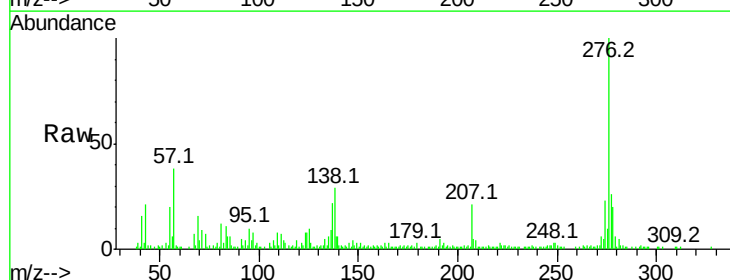
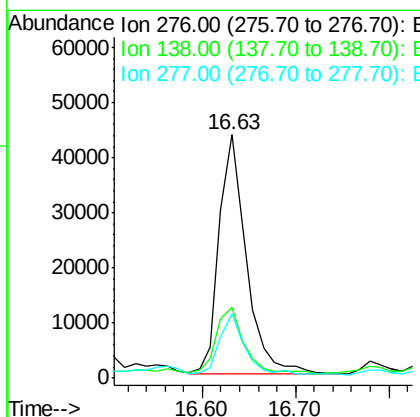
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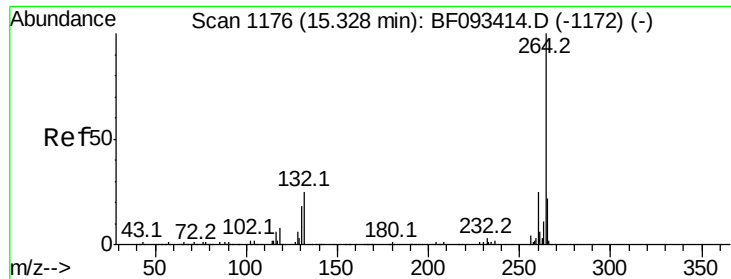
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.24 ng
RT: 16.63 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.8	32.6
277	24.6	20.2	30.4





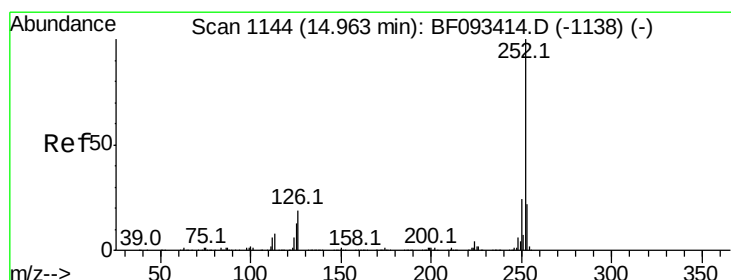
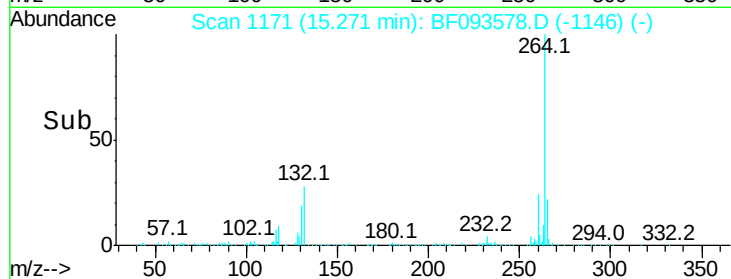
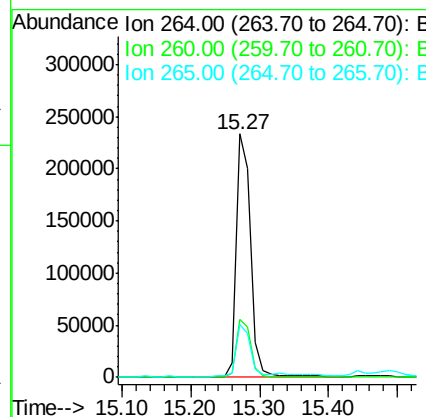
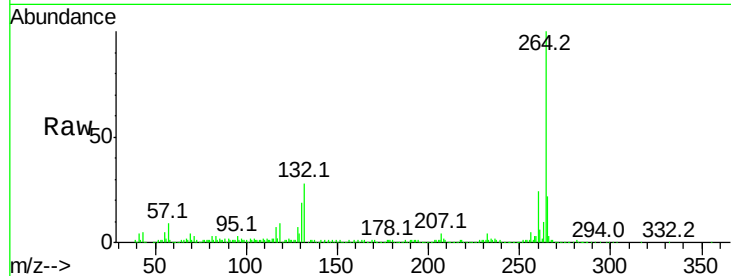
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.4	26.0

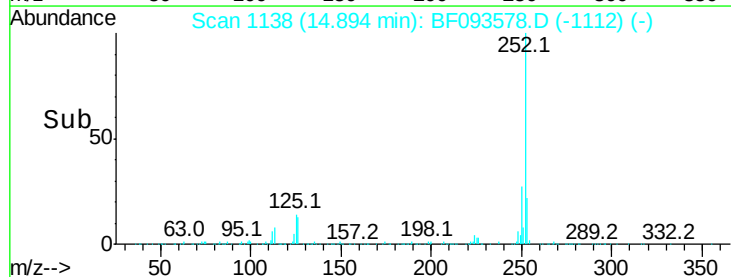
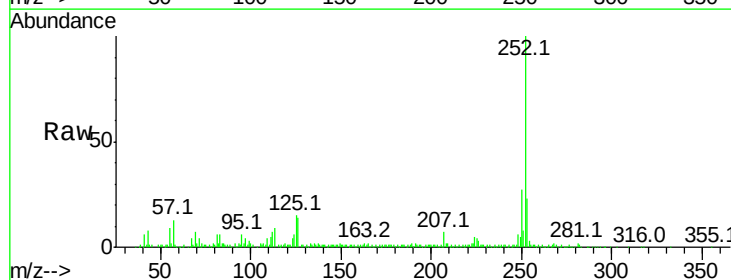
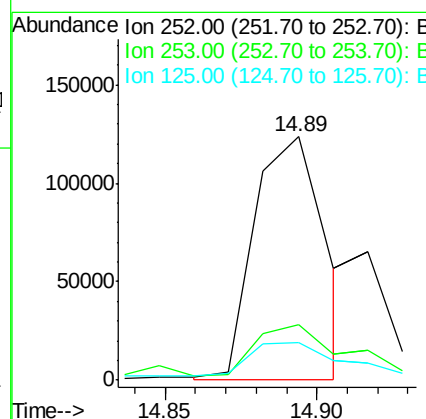
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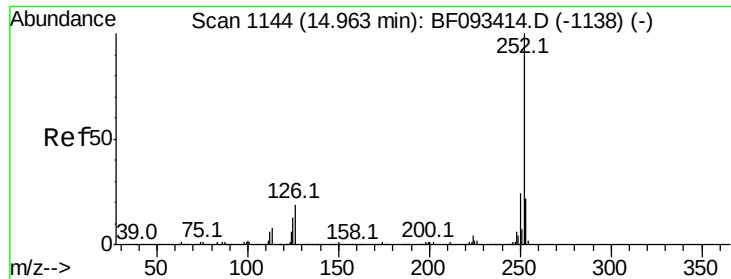
mohammad
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#87
Benzo(b)fluoranthene
Concen: 9.47 ng m
RT: 14.89 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	15.5	9.8	14.6





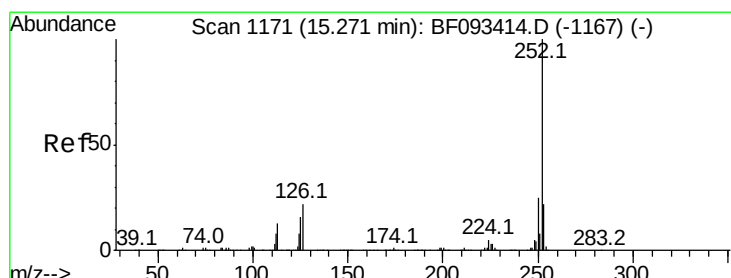
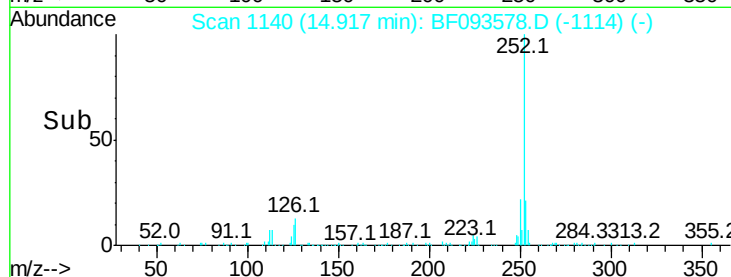
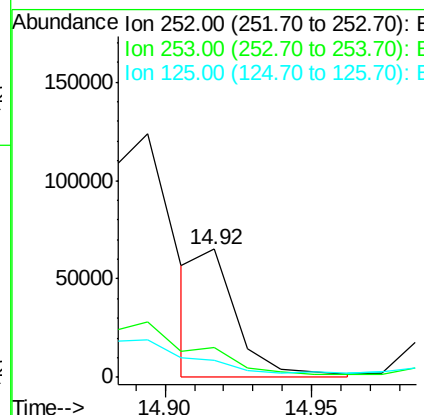
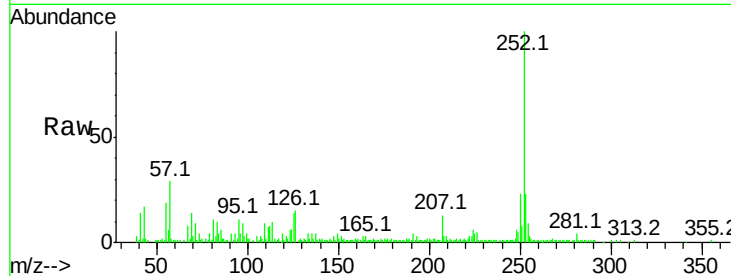
#88
Benzo(k)fluoranthene
Concen: 2.98 ng m
RT: 14.92 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Instrument :
BNA_F
ClientSampleId :
VNJ-239

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	13.6	8.9	13.3

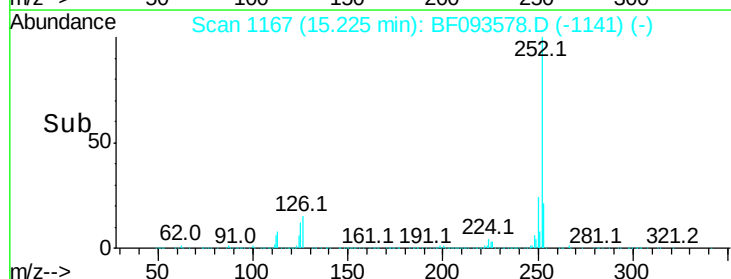
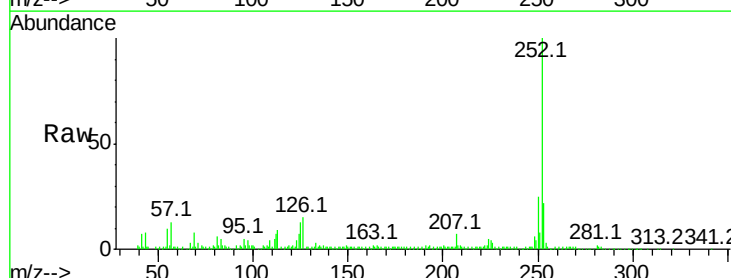
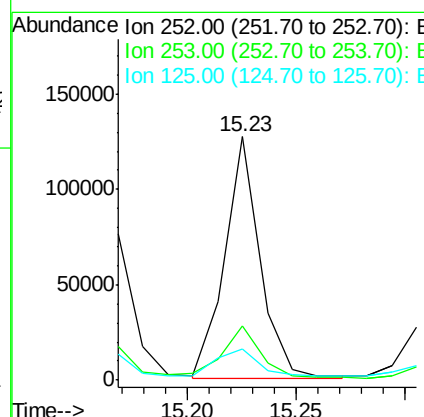
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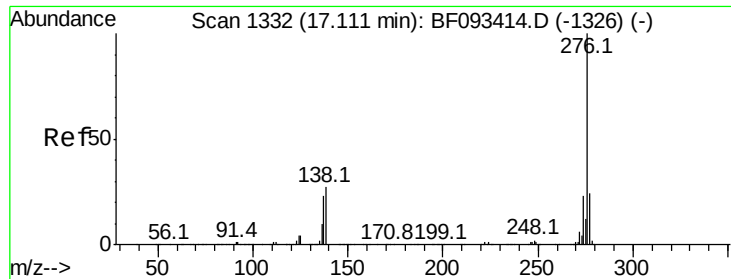
mohammad
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#89
Benzo(a)pyrene
Concen: 7.45 ng
RT: 15.23 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF093578.D
Acq: 11 Mar 2017 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	13.0	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 5.43 ng
 RT: 17.03 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF093578.D
 Acq: 11 Mar 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-239

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.2	28.8
138	31.2	16.0	24.0

Manual Integrations
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