

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098391.D
 Acq On : 9 Sep 2017 17:43
 Operator : SJ/JU
 Sample : I5133-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:42:45 PM

Quant Time: Sep 11 11:59:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	114177	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	439693	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	186585	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	297605	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	223114	20.00	ng	-0.04
86) Perylene-d12	15.23	264	218046	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	406778	54.19	ng	-0.02
7) Phenol-d6	6.33	99	567450	55.64	ng	-0.02
23) Nitrobenzene-d5	7.24	82	330436	40.83	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	87276	53.91	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	524834	41.33	ng	-0.04
78) Terphenyl-d14	12.77	244	330552	30.90	ng	-0.04
Target Compounds						
49) Dimethylphthalate	9.43	163	69621	5.105	ng	Qvalue # 89
70) Phenanthrene	11.21	178	344889	21.748	ng	99
71) Anthracene	11.26	178	100957	6.277	ng	97
74) Fluoranthene	12.40	202	854400	51.617	ng	99
77) Pyrene	12.63	202	772826	42.351	ng	99
80) Benzo(a)anthracene	13.82	228	418309	31.282	ng	98
82) Chrysene	13.85	228	378668	28.467	ng	98
85) Indeno(1,2,3-cd)pyrene	16.57	276	176751	18.062	ng	# 92
87) Benzo(b)fluoranthene	14.83	252	508301m	36.983	ng	
88) Benzo(k)fluoranthene	14.86	252	145169m	11.242	ng	
89) Benzo(a)pyrene	15.17	252	355880	29.249	ng	98
90) Dibenzo(a,h)anthracene	16.57	278	46542m	4.699	ng	
91) Benzo(a,h,i)perylene	16.98	276	171595	16.602	ng	93

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

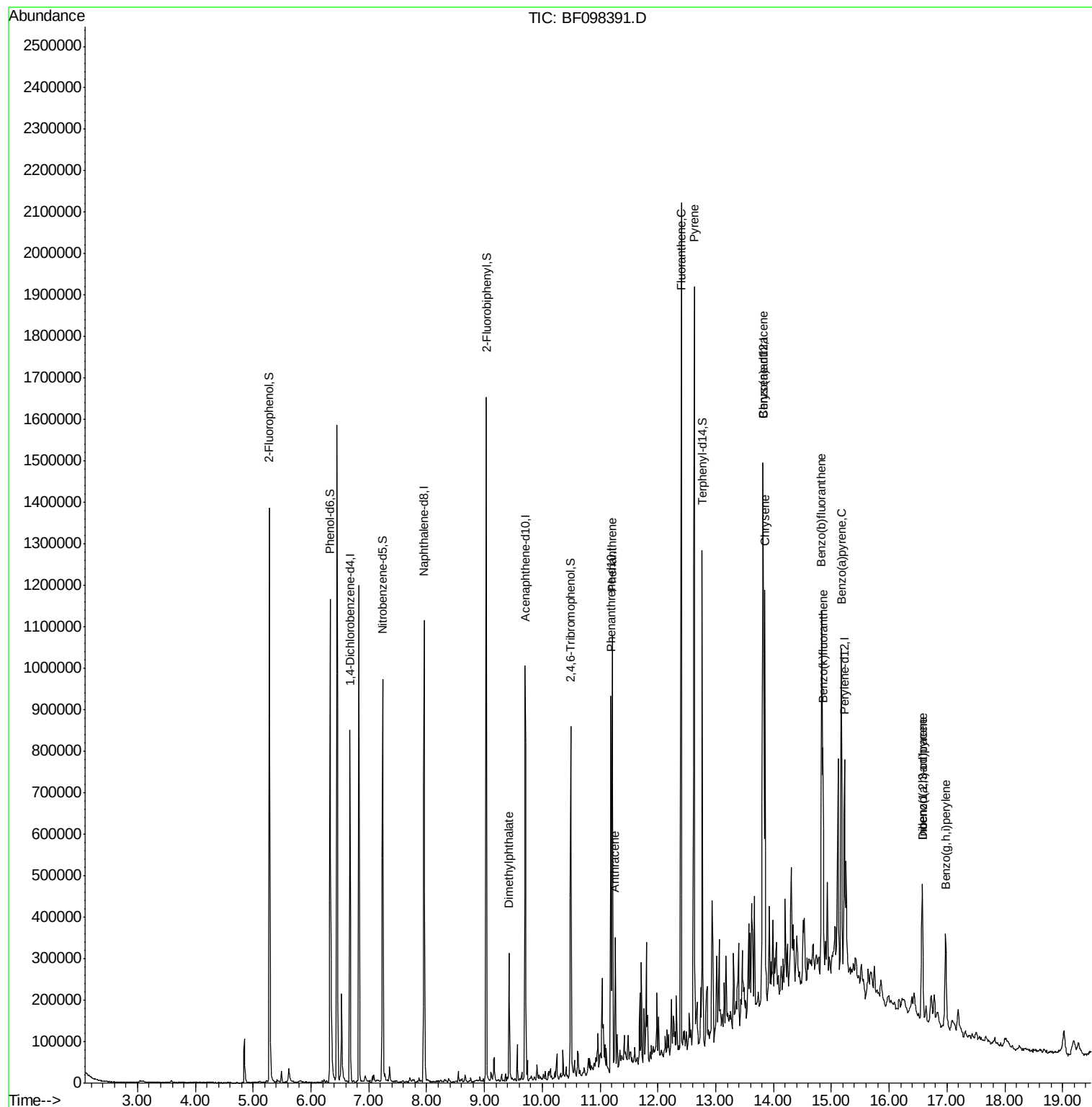
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098391.D
Acq On : 9 Sep 2017 17:43
Operator : SJ/JU
Sample : I5133-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

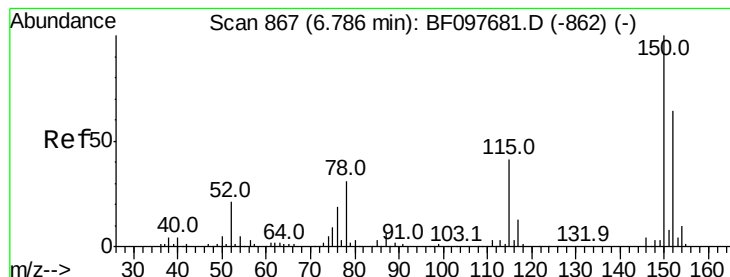
Instrument :
BNA_F
ClientSampleId :
VNJ-204

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Quant Time: Sep 11 11:59:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

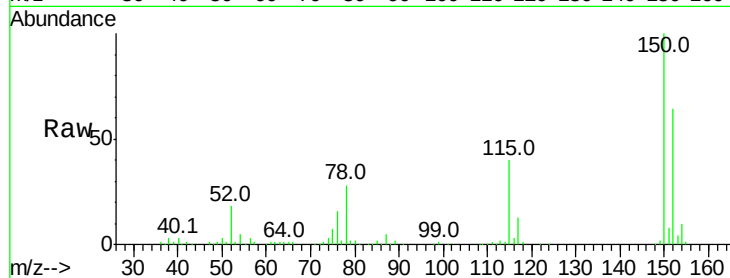
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	62.3	52.2	78.2

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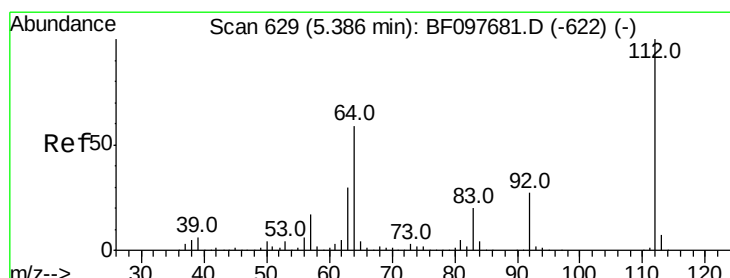
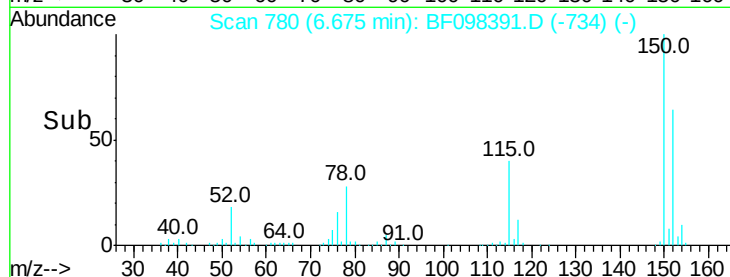
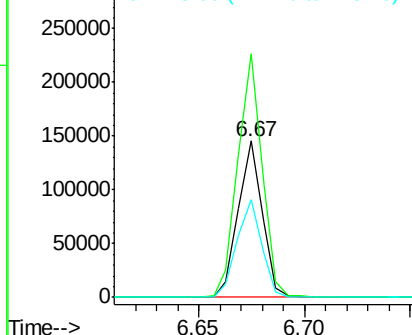


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

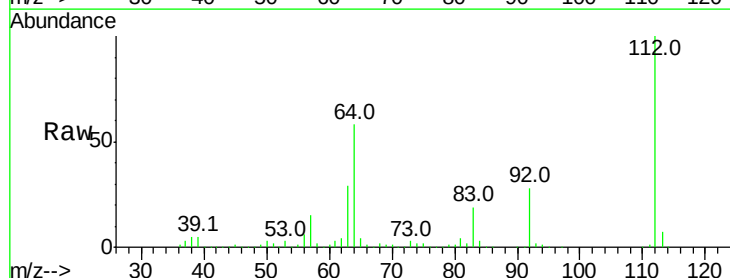
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.191 ng
RT: 5.28 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.0	69.0
63	29.1	23.4	35.0

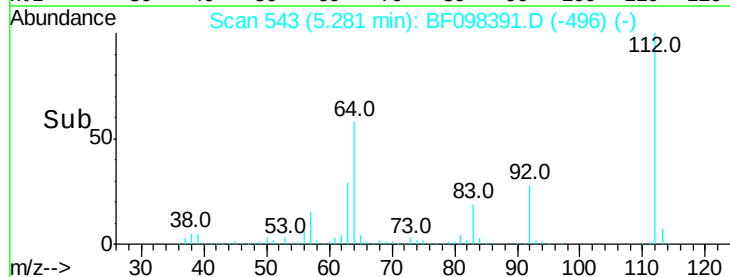
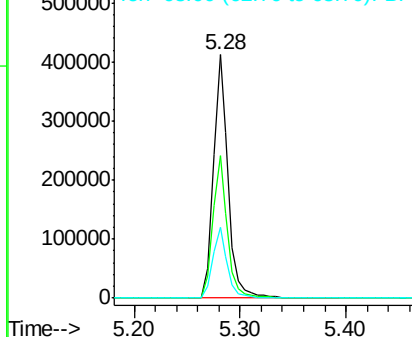


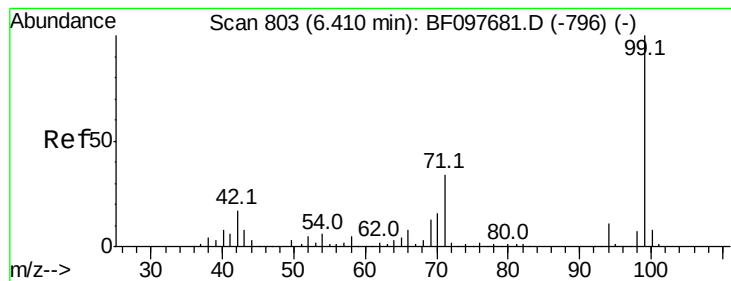
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.638 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

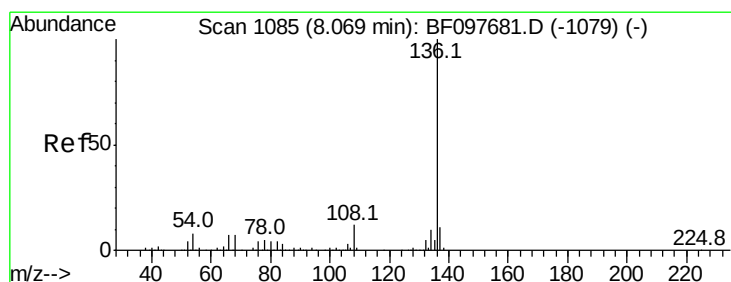
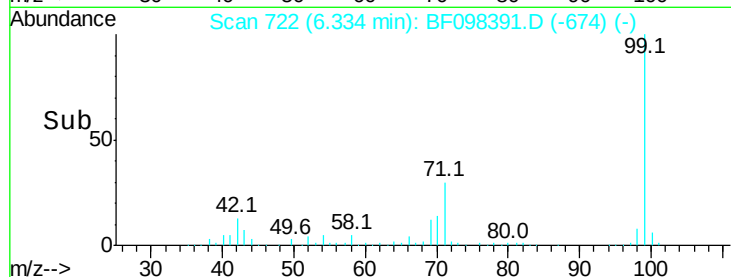
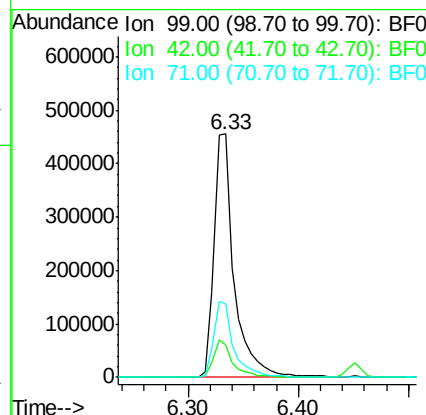
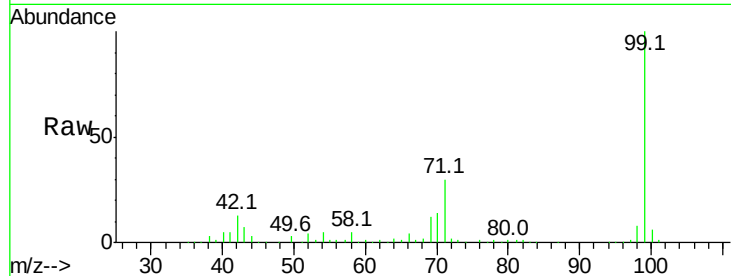
ClientSampleId :

VNJ-204

Tot Ion:	99	Resp:	567450
Ion Ratio	Lower	Upper	
99	100		
42	13.4	13.5	20.3#
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

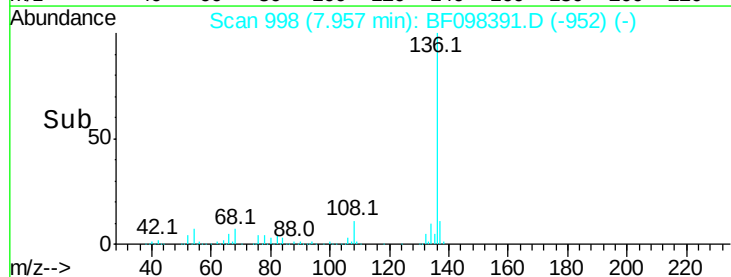
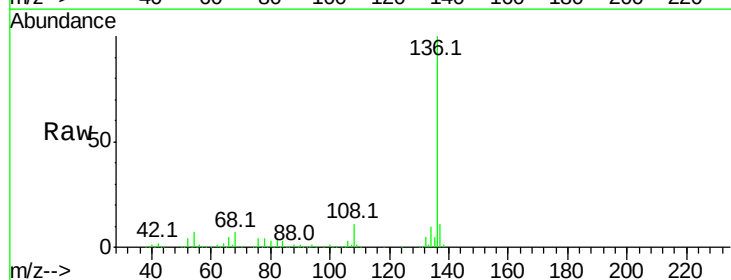
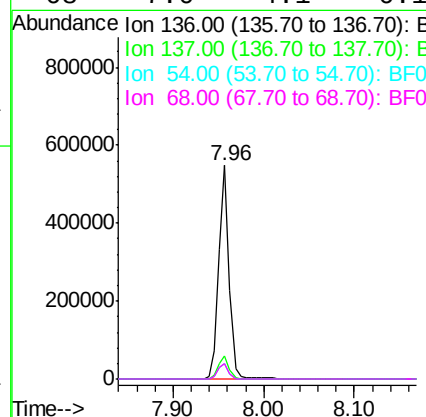
RT: 7.96 min Scan# 998

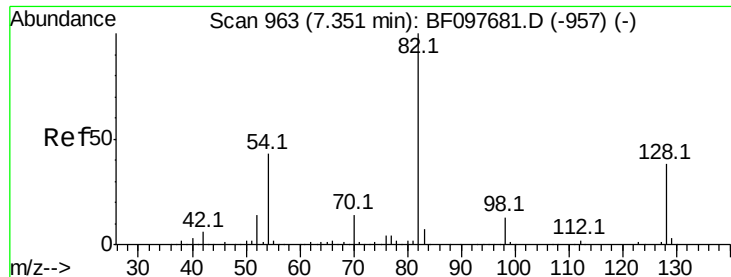
Delta R.T. -0.03 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion:	136	Resp:	439693
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	6.9	4.9	7.3
68	7.0	4.1	6.1#





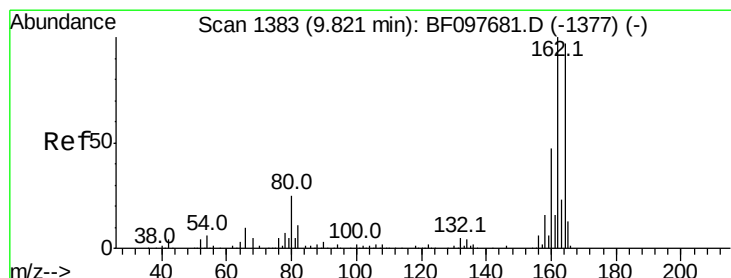
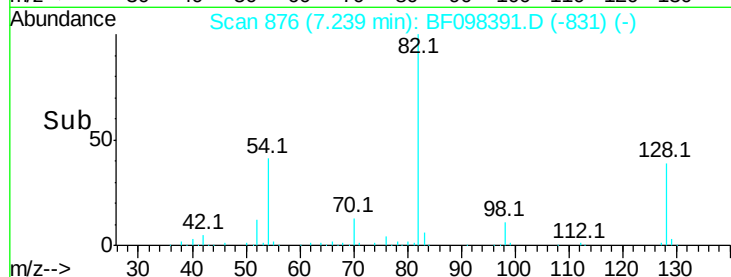
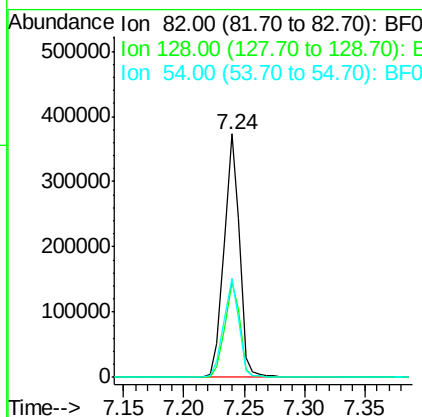
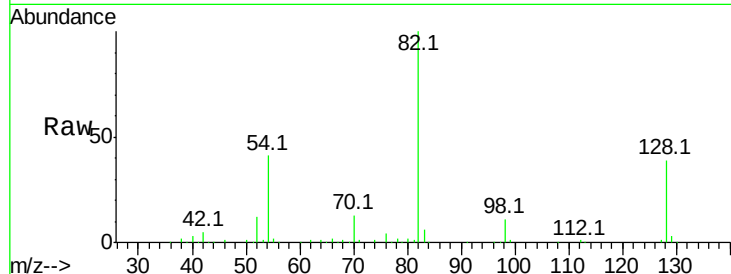
#23
Nitrobenzene-d5
Concen: 40.826 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampled :
VNJ-204

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	34.0	51.0
54	40.7	42.2	63.2#

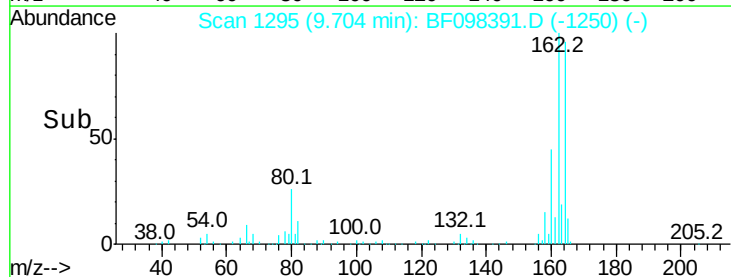
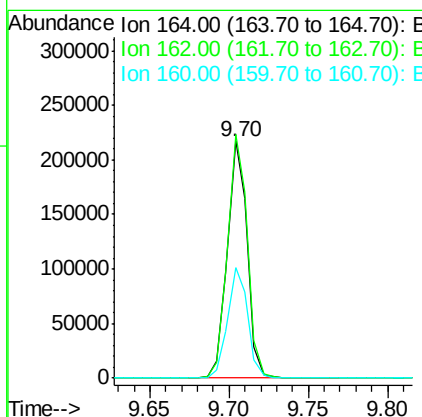
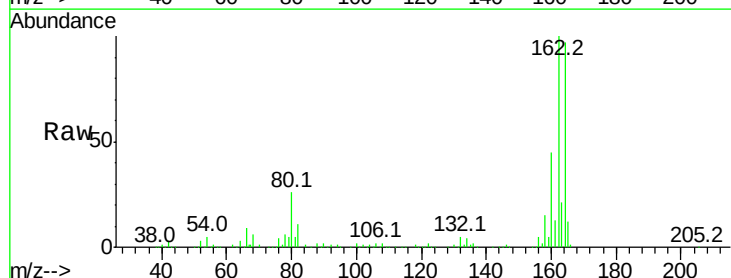
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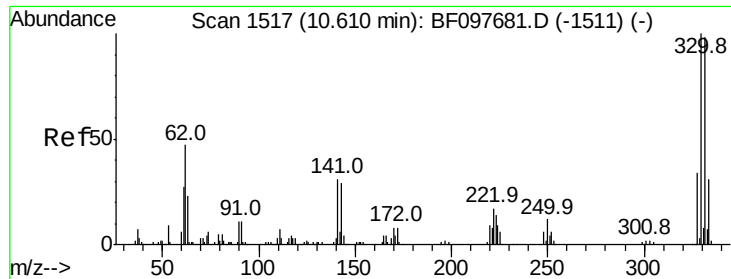
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	46.6	36.2	54.2





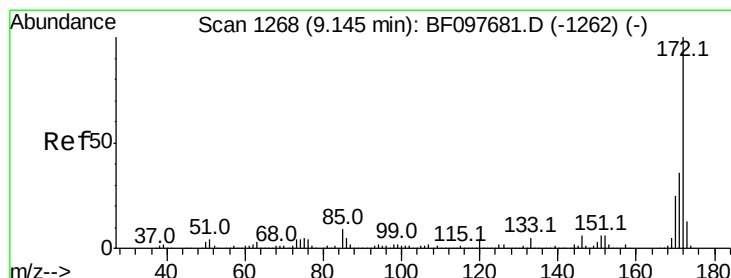
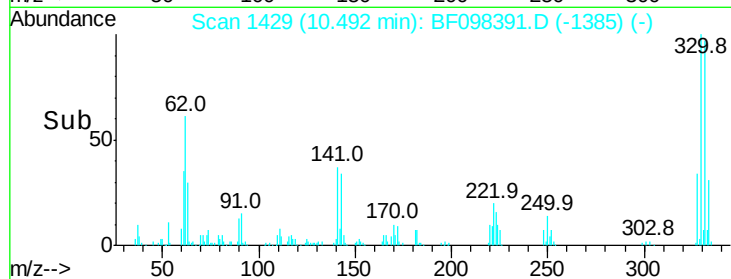
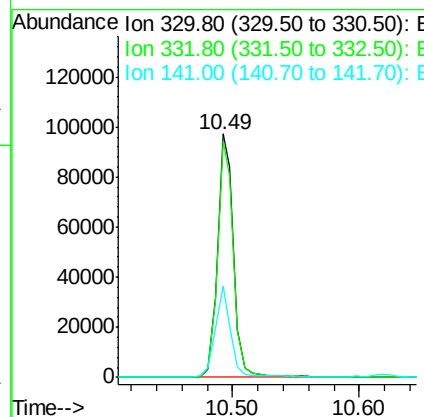
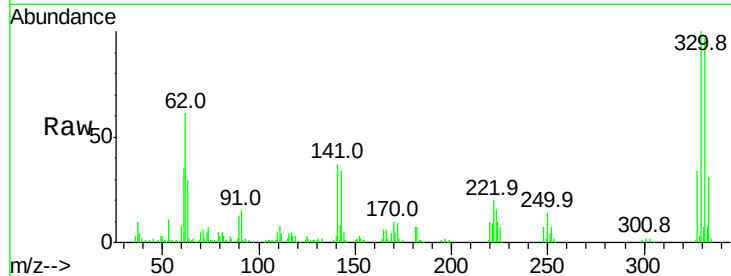
#41
 2,4,6-Tribromophenol
 Concen: 53.910 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.04 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	36.8	31.4	47.2

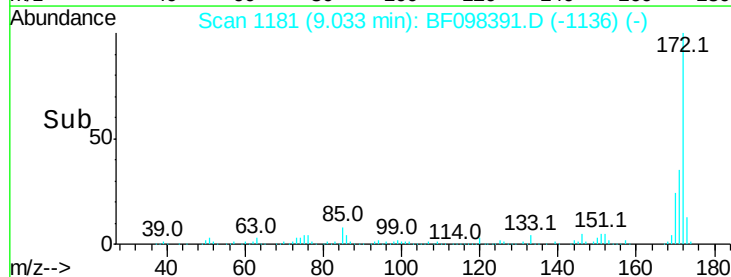
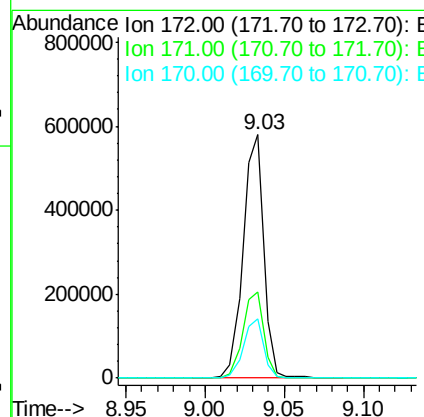
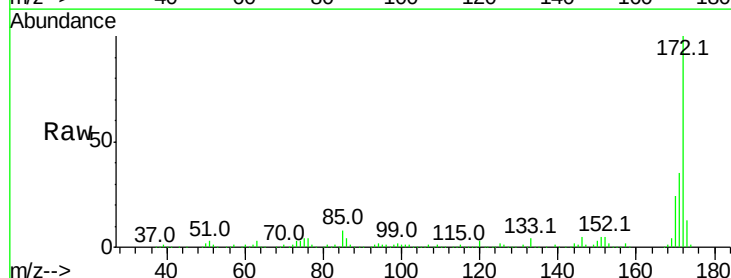
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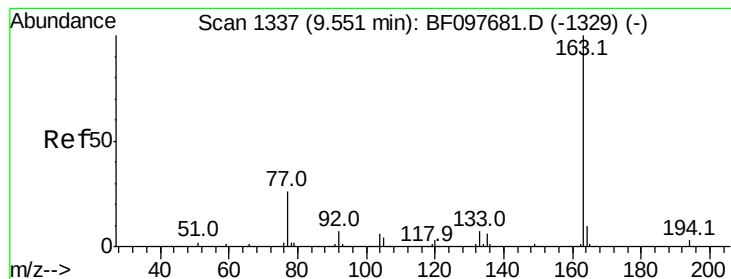
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 41.326 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.04 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.2	19.8	29.8





#49

Dimethylphthalate

Concen: 5.105 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.05 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

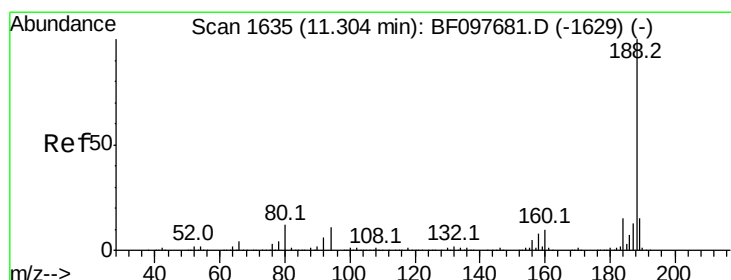
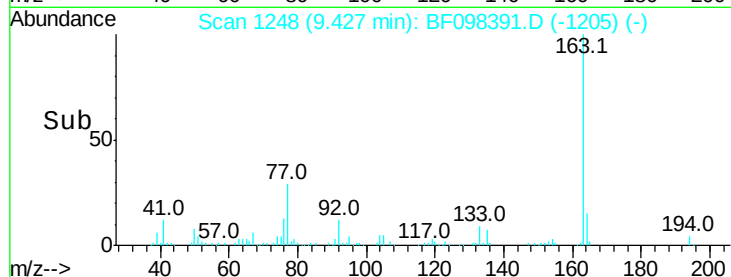
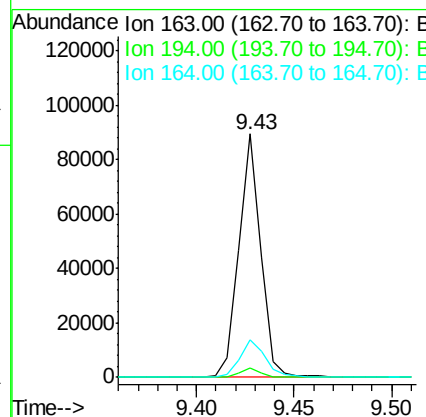
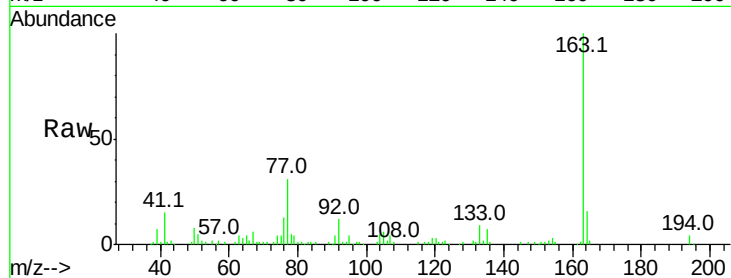
ClientSampleId :

VNJ-204

Tot Ion:	163	Resp:	69621
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	15.6	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.000 ng

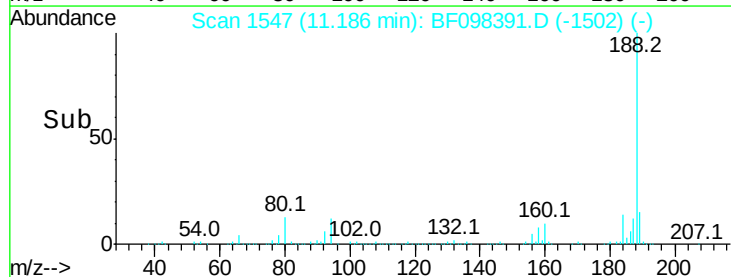
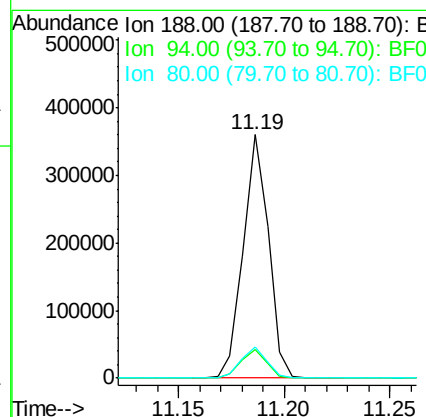
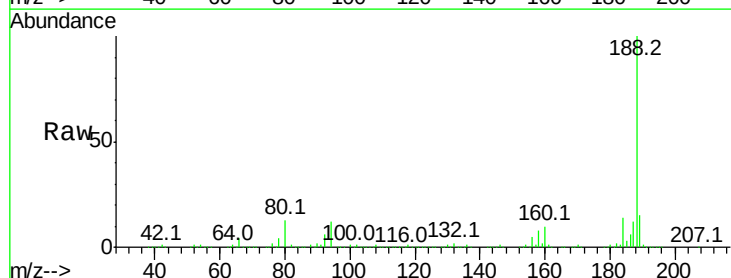
RT: 11.19 min Scan# 1547

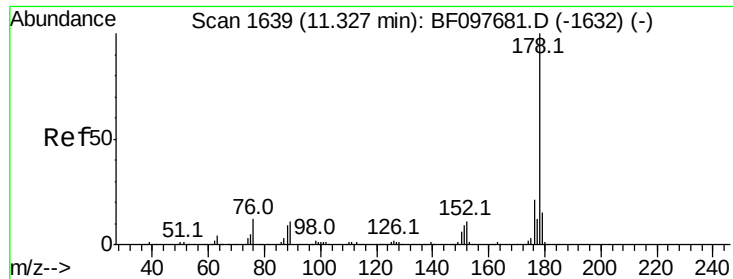
Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion:	188	Resp:	297605
Ion Ratio	Lower	Upper	
188	100		
94	11.7	9.4	14.2
80	13.0	10.2	15.2





#70

Phenanthrene

Concen: 21.748 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

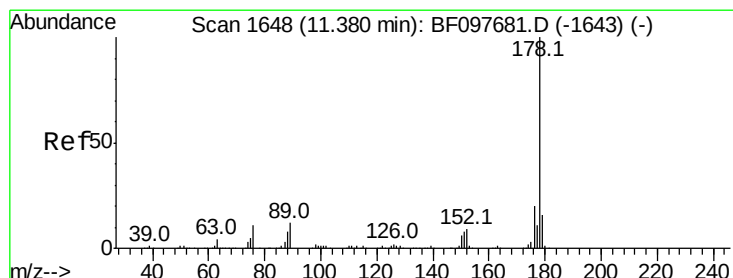
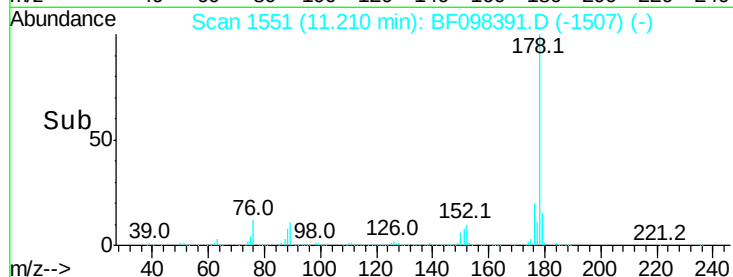
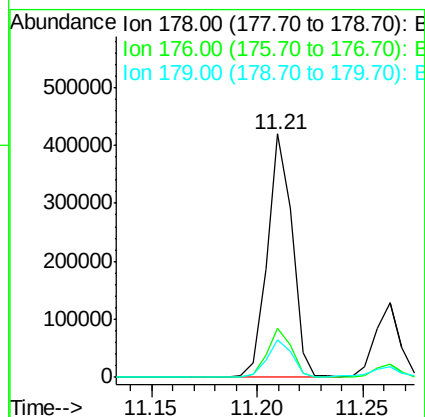
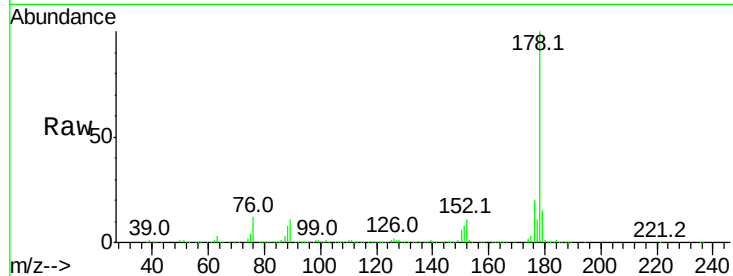
ClientSampled :

VNJ-204

Tot Ion:178	Resp:	344889
Ion Ratio	Lower	Upper
178	100	
176	19.9	16.2 24.4
179	15.3	12.6 19.0

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#71

Anthracene

Concen: 6.277 ng

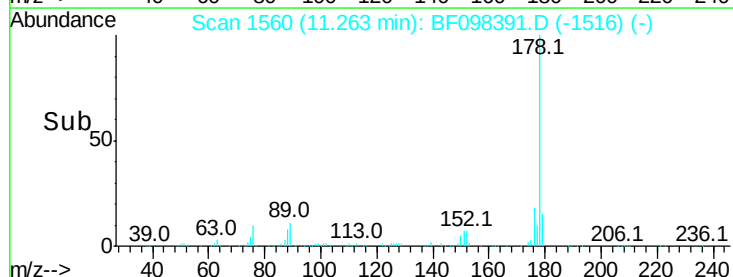
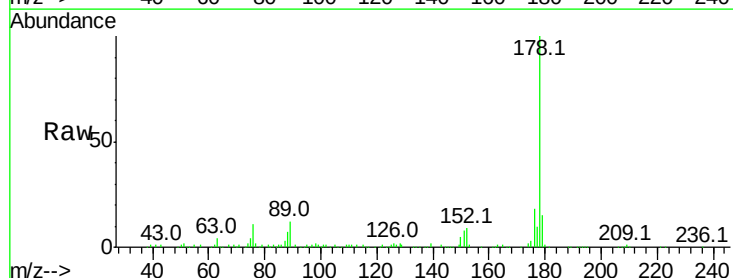
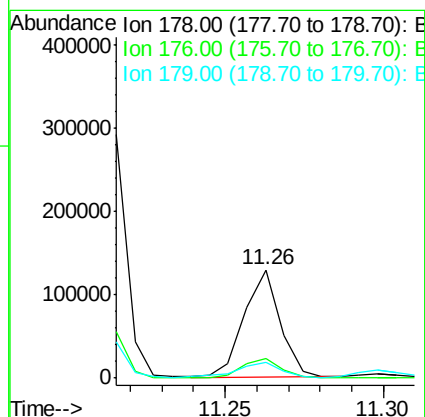
RT: 11.26 min Scan# 1560

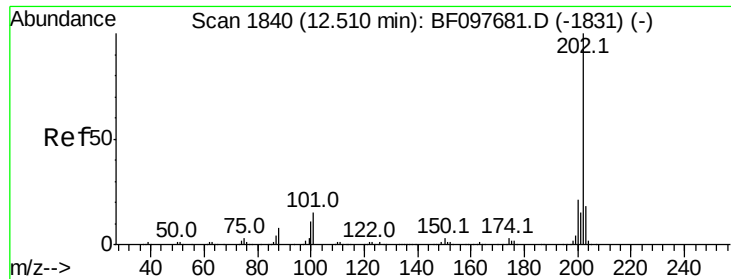
Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion:178	Resp:	100957
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.8 23.8
179	14.9	12.7 19.1





#74

Fluoranthene

Concen: 51.617 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.03 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

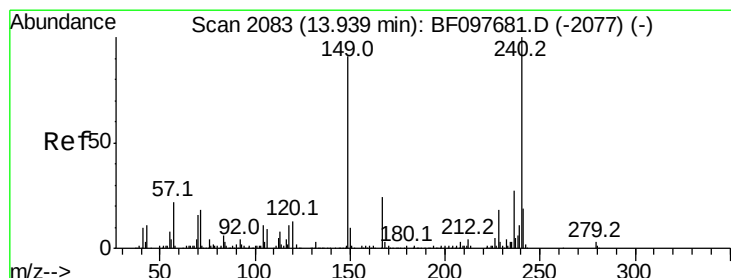
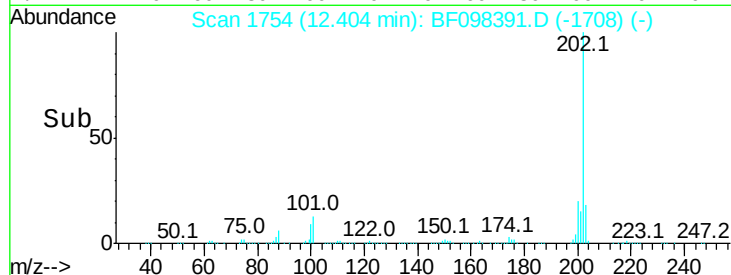
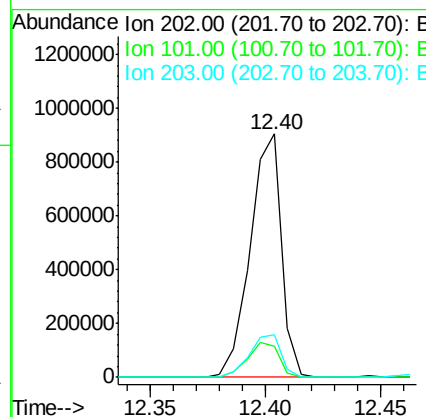
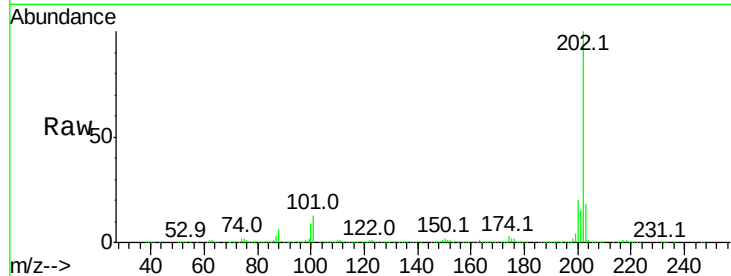
ClientSampleId :

VNJ-204

Tot Ion:	202	Resp:	854400
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

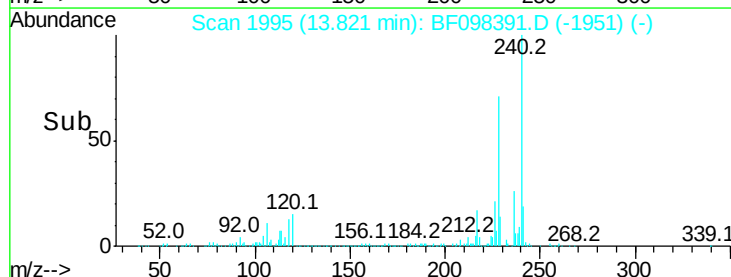
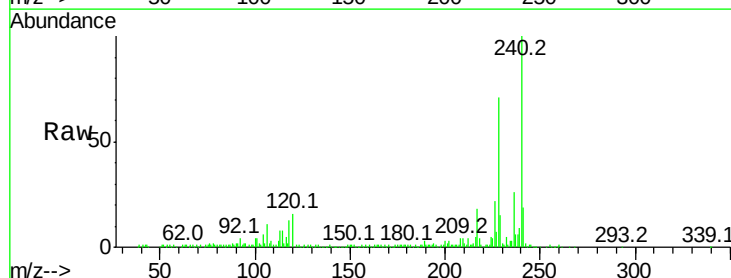
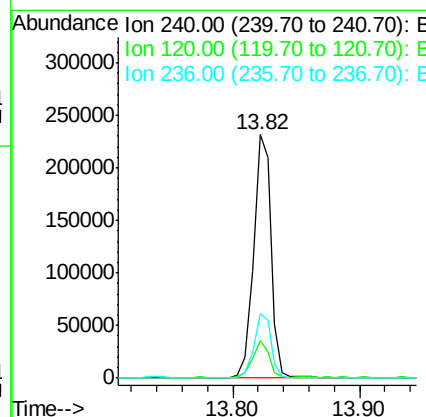
RT: 13.82 min Scan# 1995

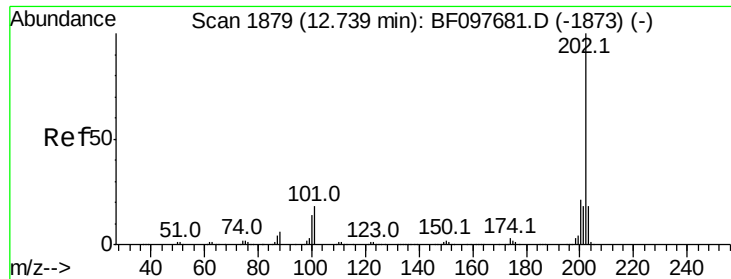
Delta R.T. -0.04 min

Lab File: BF098391.D

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Tgt Ion:	240	Resp:	223114
Ion Ratio	Lower	Upper	
240	100		
120	15.5	5.8	8.8#
236	26.3	20.5	30.7





#77

Pvrene

Concen: 42.351 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

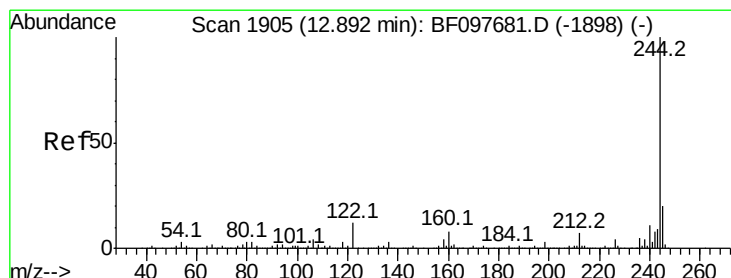
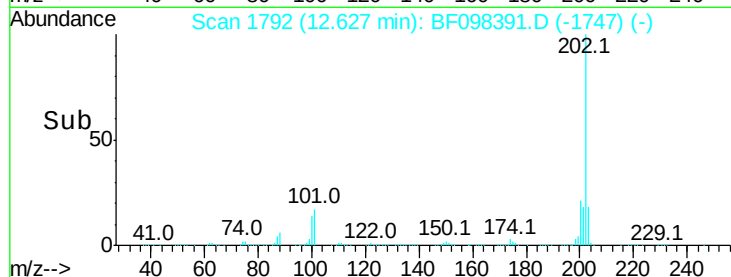
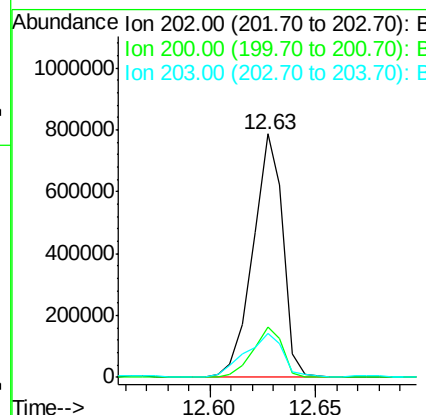
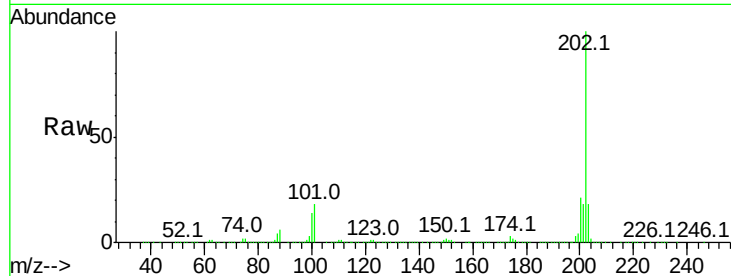
ClientSampled :

VNJ-204

Tot Ion:	202	Resp:	772826
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	18.0	14.4	21.6

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#78

Terphenyl-d14

Concen: 30.895 ng

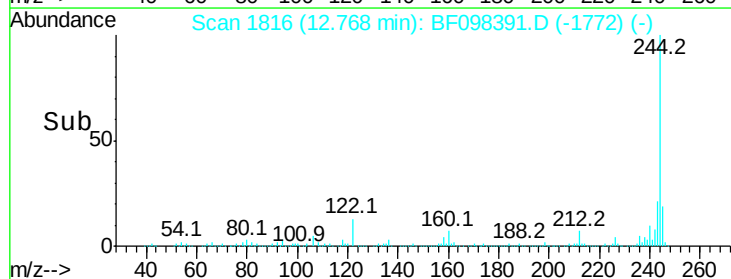
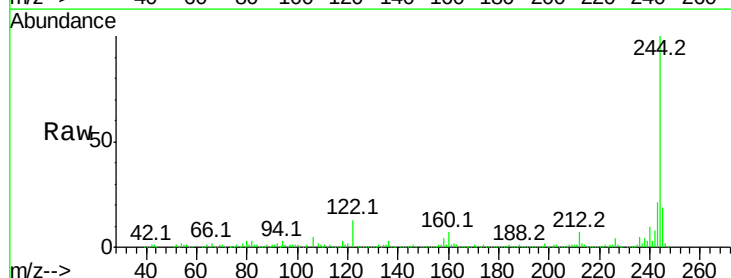
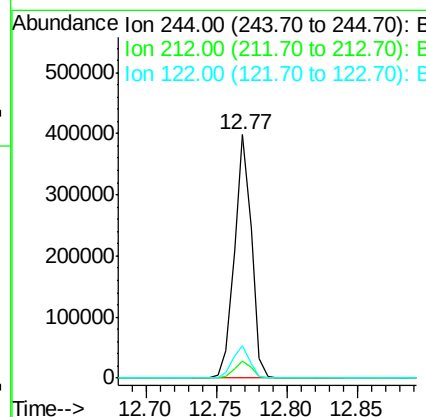
RT: 12.77 min Scan# 1816

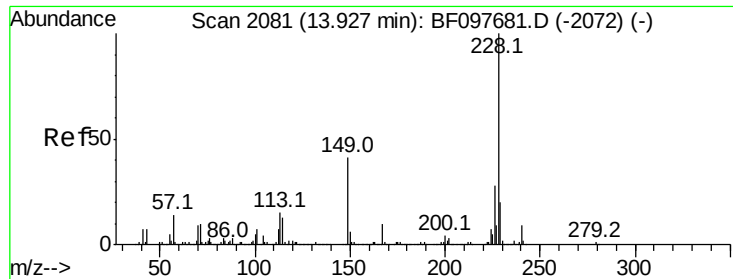
Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion:	244	Resp:	330552
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	13.4	10.3	15.5





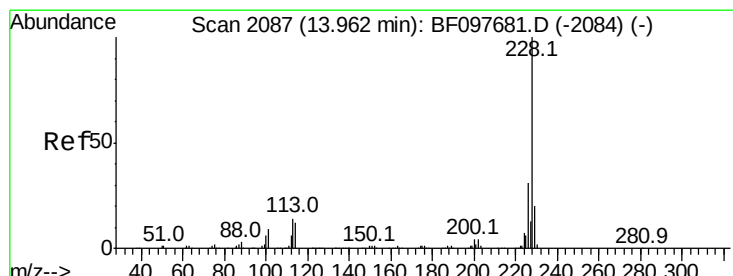
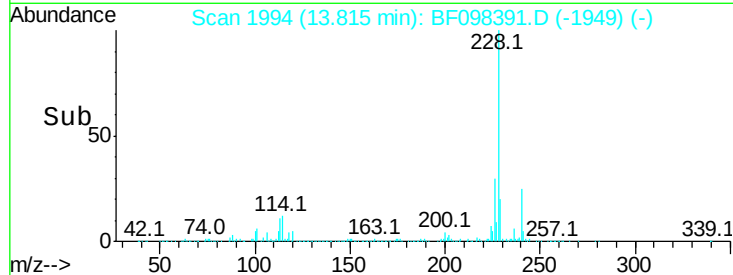
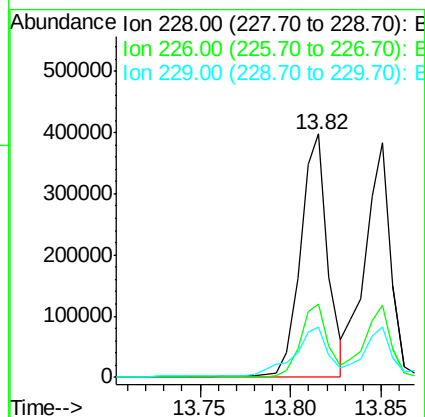
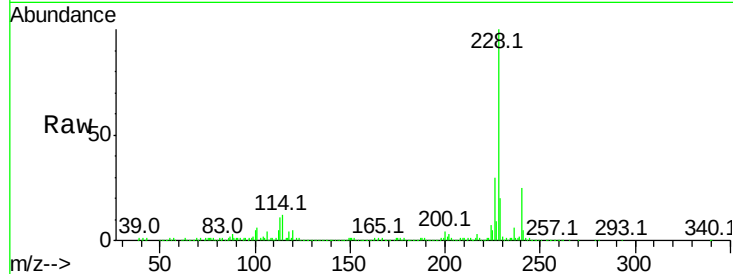
#80
Benzo(a)anthracene
Concen: 31.282 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampled :
VNJ-204

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.5	16.3	24.5

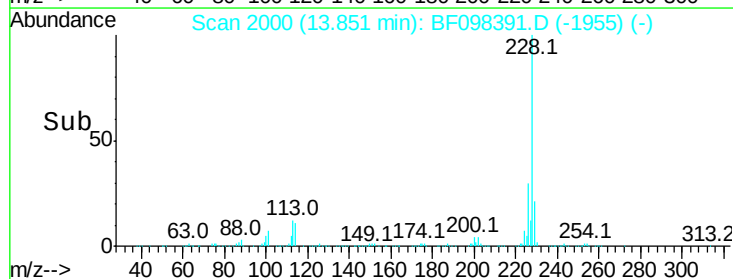
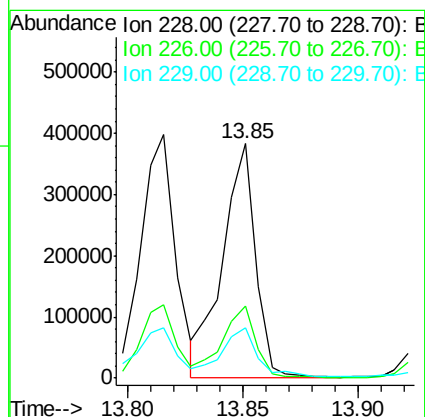
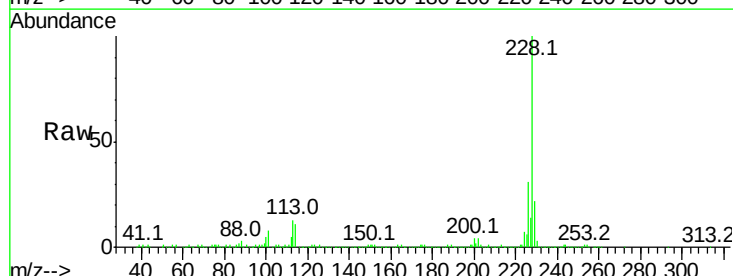
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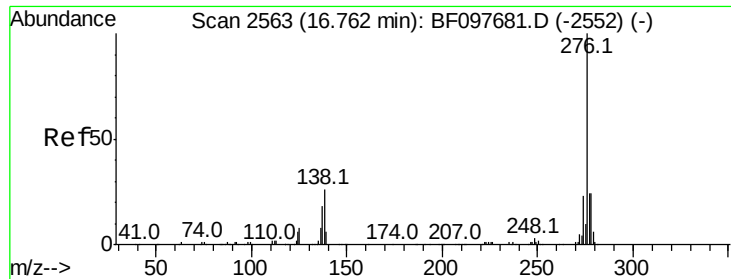
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#82
Chrysene
Concen: 28.467 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.7	15.8	23.6





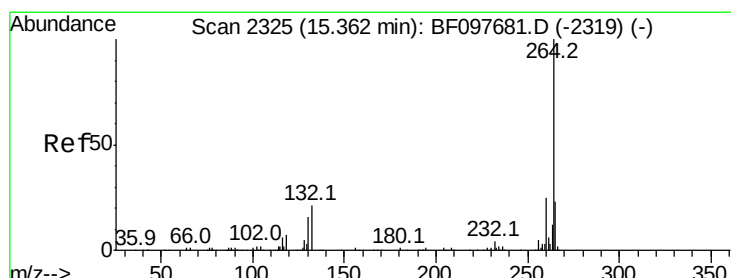
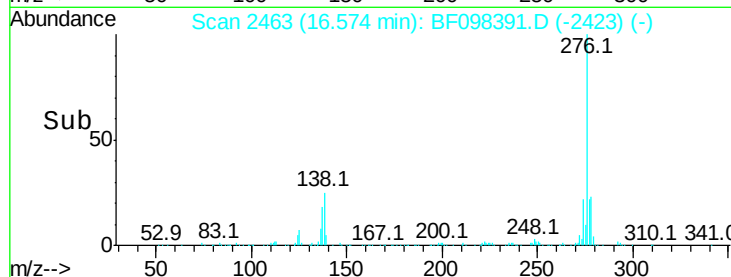
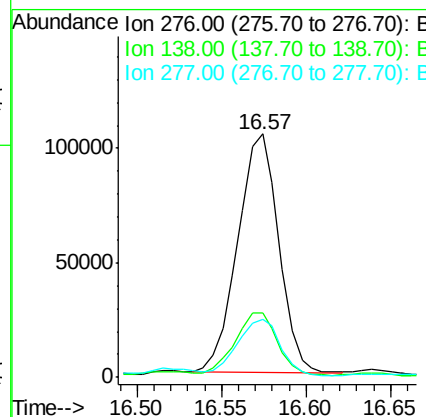
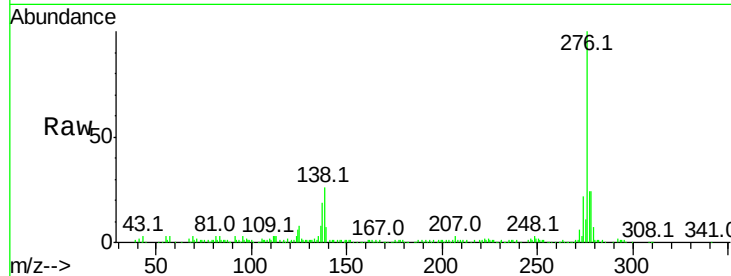
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.062 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.06 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Instrument :
 BNA_F
 ClientSampled :
 VNJ-204

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	25.4	20.2	30.4

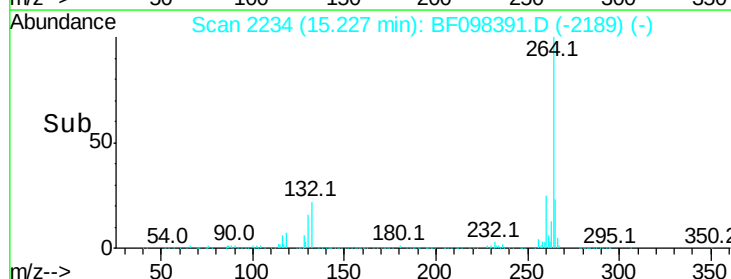
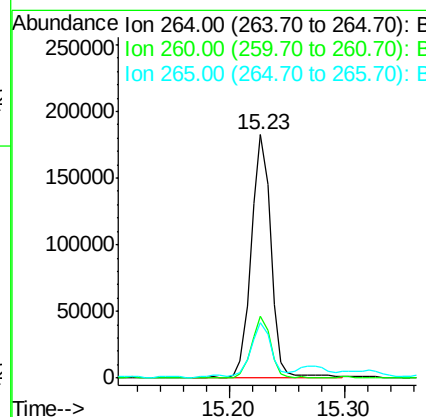
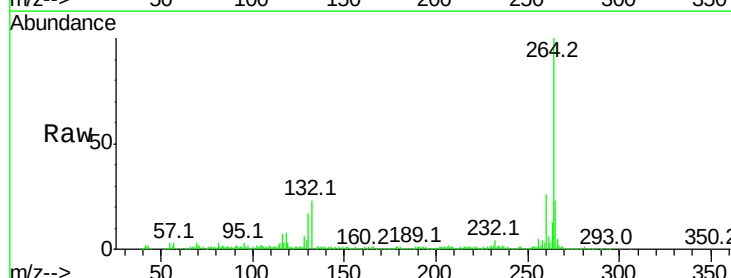
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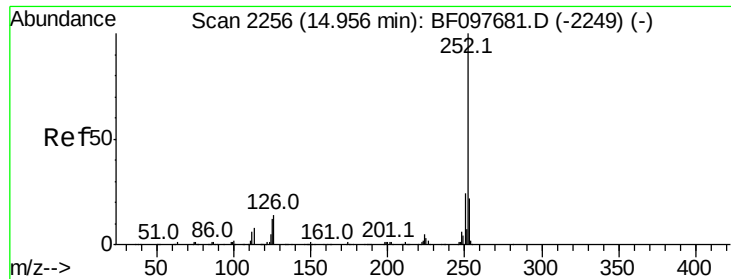
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.04 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	22.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 36.983 ng m

RT: 14.83 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Instrument :

BNA_F

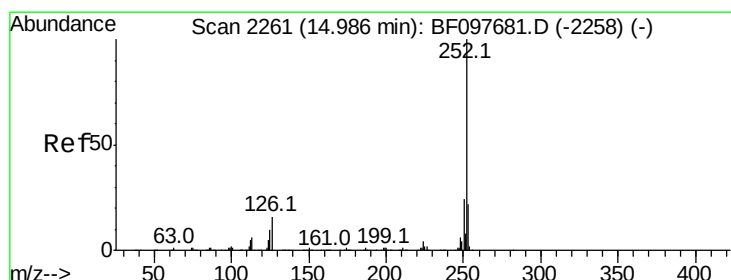
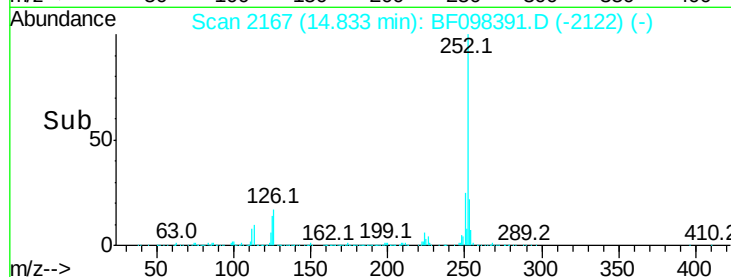
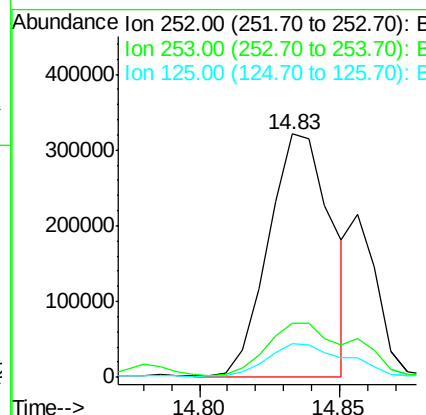
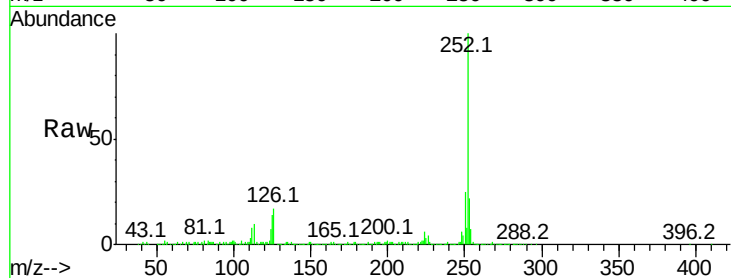
ClientSampled :

VNJ-204

Tot Ion:	252	Resp:	508301
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.1	27.1
125	13.9	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 11.242 ng m

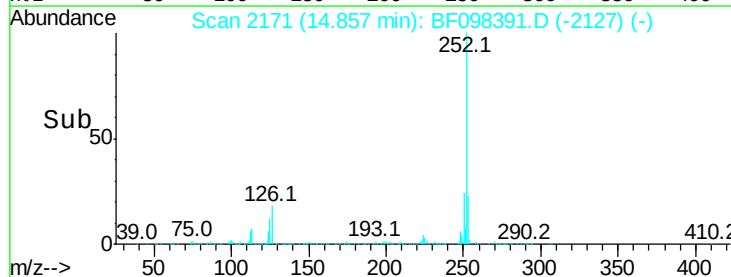
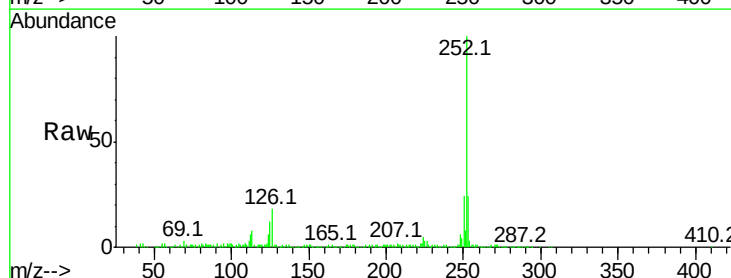
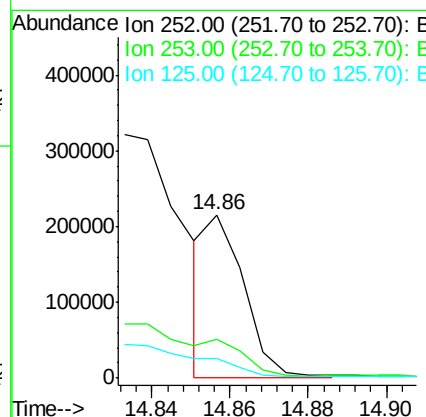
RT: 14.86 min Scan# 2171

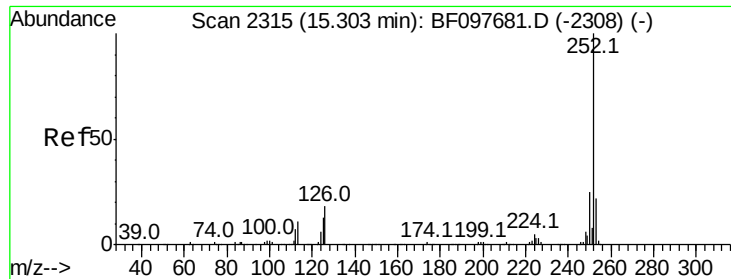
Delta R.T. -0.04 min

Lab File: BF098391.D

Acq: 9 Sep 2017 17:43

Tgt Ion:	252	Resp:	145169
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	12.3	13.1	19.7#





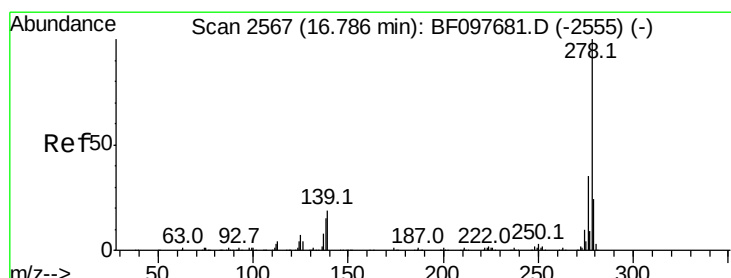
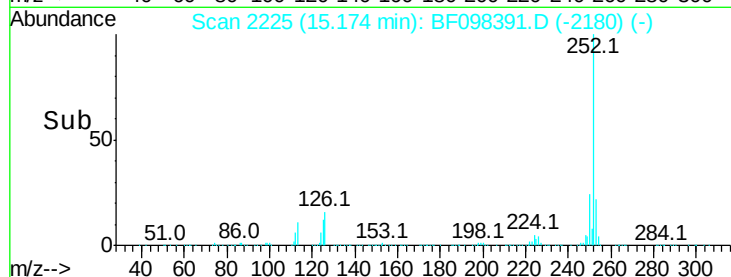
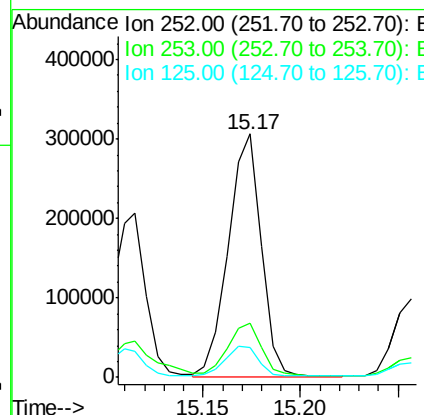
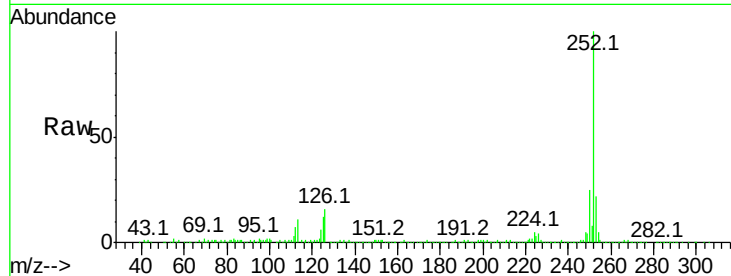
#89
Benzo(a)pyrene
Concen: 29.249 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	12.2	11.0	16.4

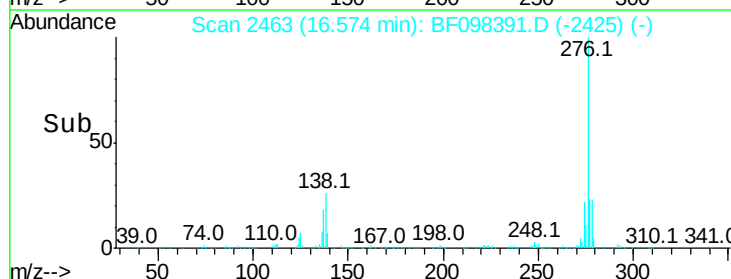
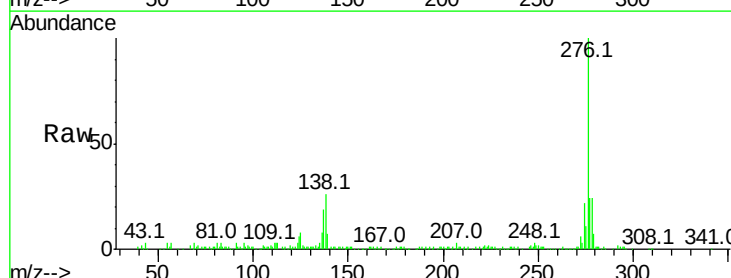
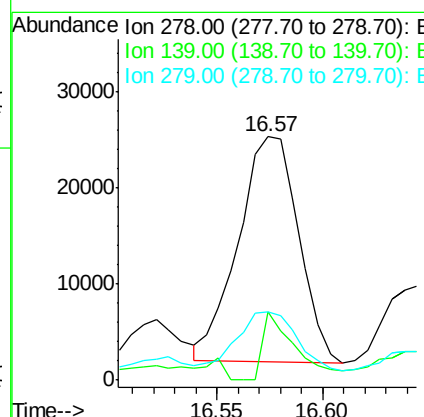
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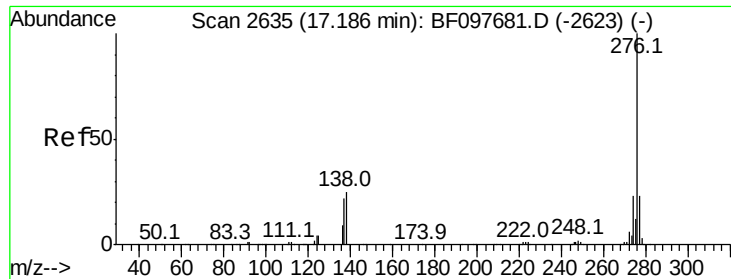
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#90
Dibenzo(a,h)anthracene
Concen: 4.699 ng m
RT: 16.57 min Scan# 2463
Delta R.T. -0.08 min
Lab File: BF098391.D
Acq: 9 Sep 2017 17:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.3	16.6	24.8#
279	28.1	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 16.602 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.07 min
 Lab File: BF098391.D
 Acq: 9 Sep 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Tot Ion:	276	Resp:	171595
Ion Ratio		Lower	Upper
276	100		
277	22.9	18.6	28.0
138	25.7	25.4	38.0

Manual Integrations
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