

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093579.D
 Acq On : 11 Mar 2017 20:42
 Operator : SJ/MA
 Sample : I2233-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-236

Manual Integrations
 APPROVED

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 3/15/2017 5:32:45 PM

Quant Time: Mar 13 16:41:24 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	200316	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	757350	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	326284	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	508926	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	363859	20.00	ng	-0.01
86) Perylene-d12	15.28	264	328677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	560278	46.55	ng	0.00
7) Phenol-d6	6.39	99	806883	53.16	ng	0.01
23) Nitrobenzene-d5	7.29	82	535684	39.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	53138	25.00	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	709216	40.43	ng	-0.01
78) Terphenyl-d14	12.83	244	407603	29.12	ng	0.00
Target Compounds						
10) Phenol	6.41	94	50855	2.73	ng	94
49) Dimethylphthalate	9.49	163	79690	3.68	ng	99
70) Phenanthrene	11.26	178	127472	4.39	ng	97
74) Fluoranthene	12.46	202	131650	4.69	ng	95
77) Pyrene	12.68	202	122437	4.63	ng	98
80) Benzo(a)anthracene	13.87	228	86679	4.03	ng	# 89
82) Chrysene	13.91	228	79917	4.02	ng	# 87
87) Benzo(b)fluoranthene	14.89	252	70980m	3.55	ng	
89) Benzo(a)pyrene	15.23	252	49725	2.72	ng	# 81

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

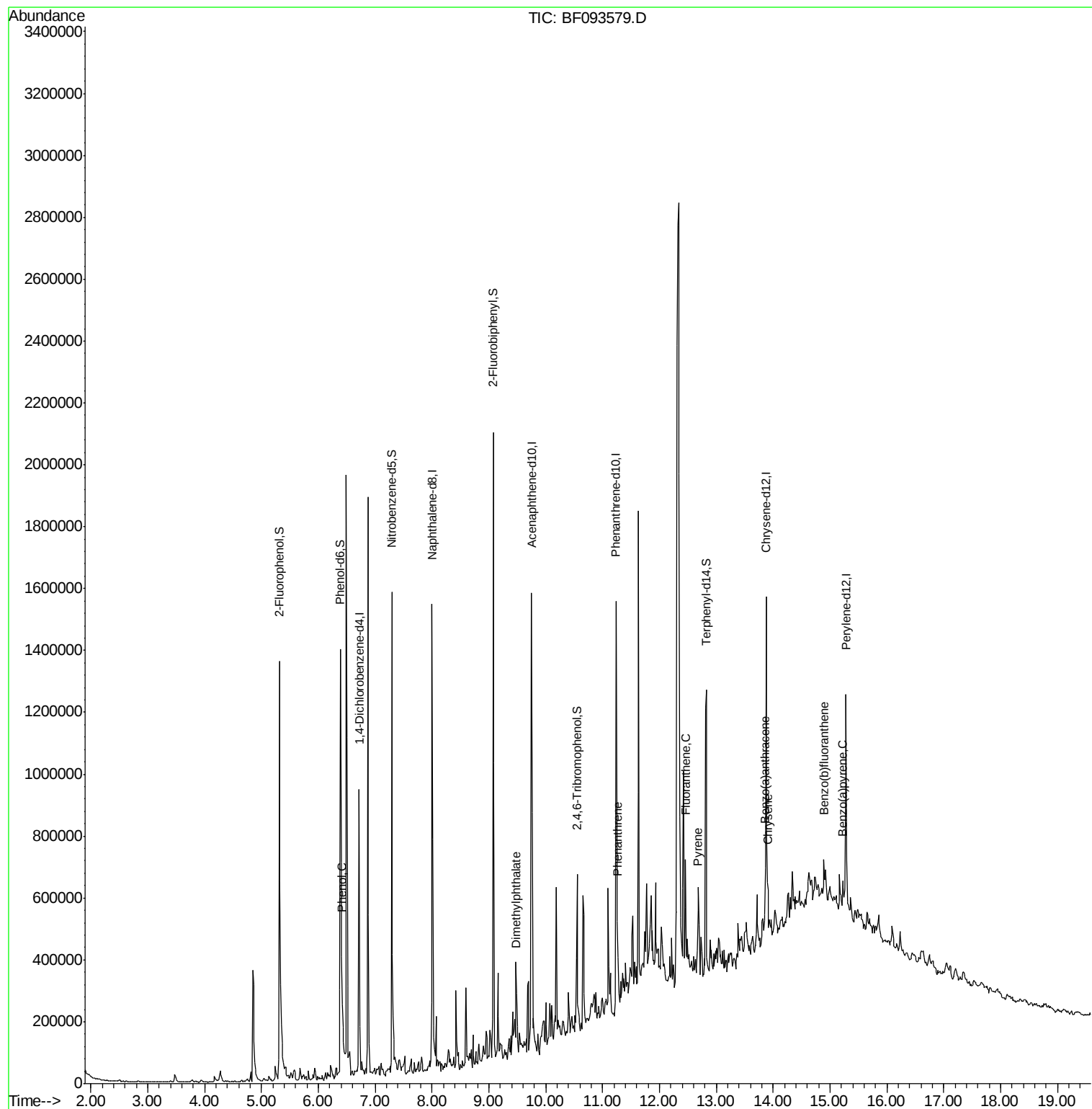
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
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#1

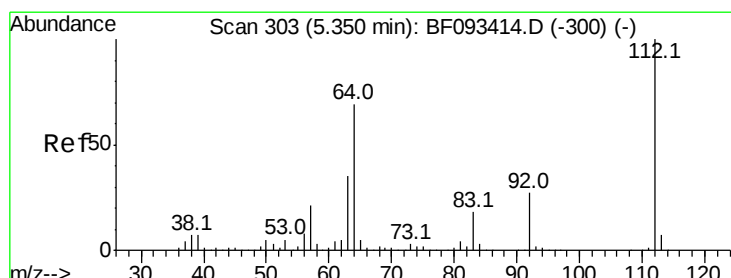
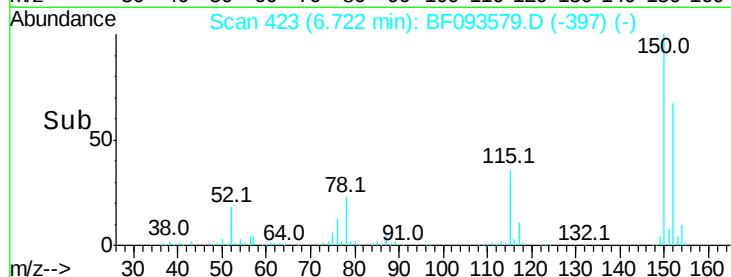
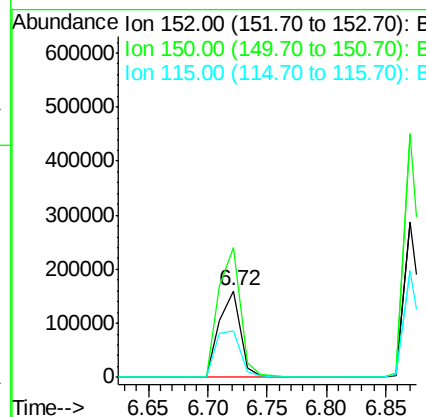
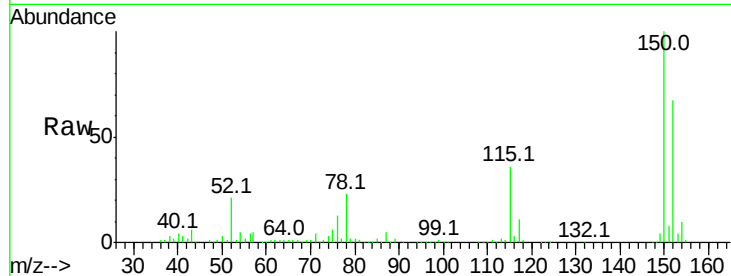
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Instrument :
BNA_F
ClientSampleId :
VNJ-236

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	124.9	187.3
115	53.7	46.0	69.0

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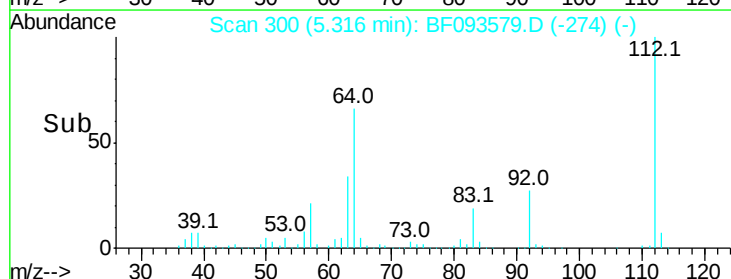
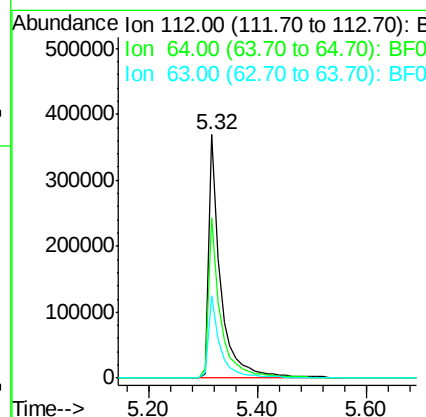
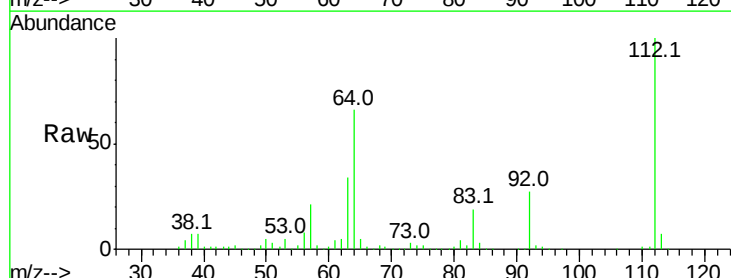
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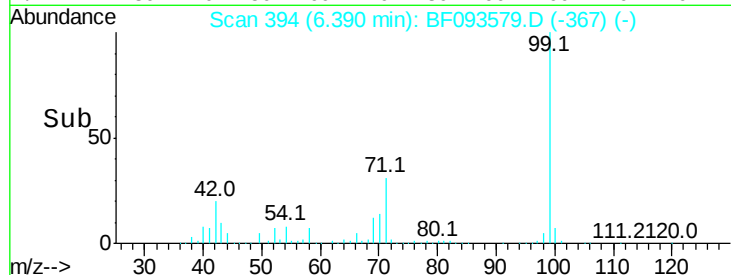
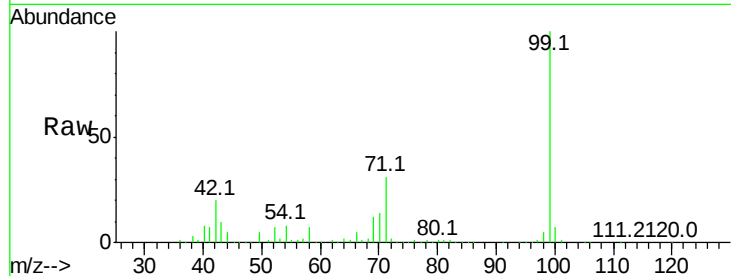
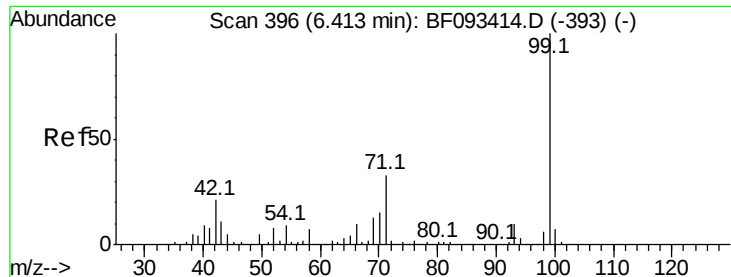


#5

2-Fluorophenol
Concen: 46.55 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.1	69.1
63	33.7	23.8	35.6





#7

Phenol-d6

Concen: 53.16 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Tot Ion:	99	Resp:	806883
Ion Ratio	Lower	Upper	
99	100		
42	19.9	15.6	23.4
71	30.7	27.5	41.3

Instrument :

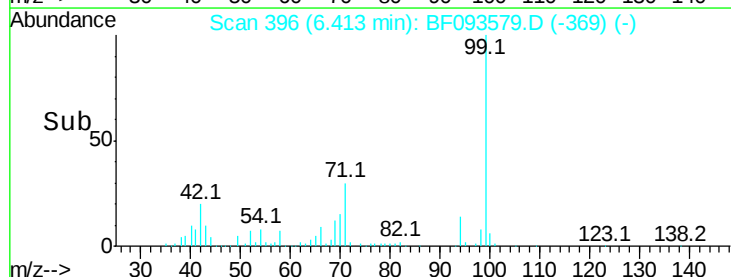
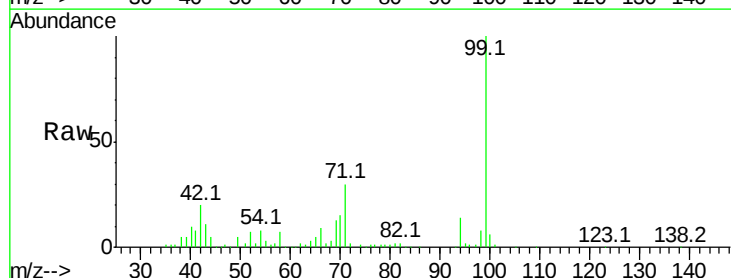
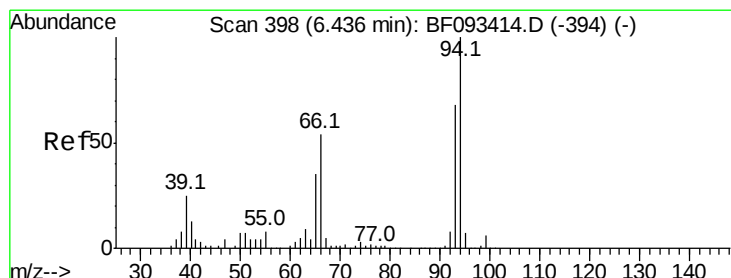
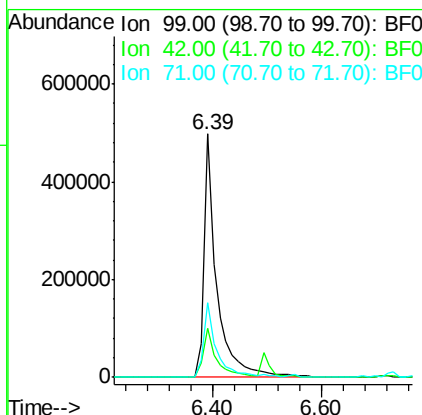
BNA_F

ClientSampleId :

VNJ-236

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#10

Phenol

Concen: 2.73 ng

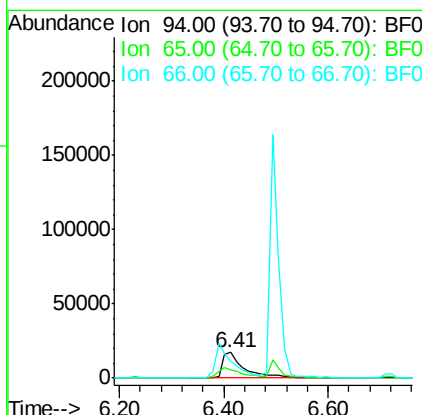
RT: 6.41 min Scan# 396

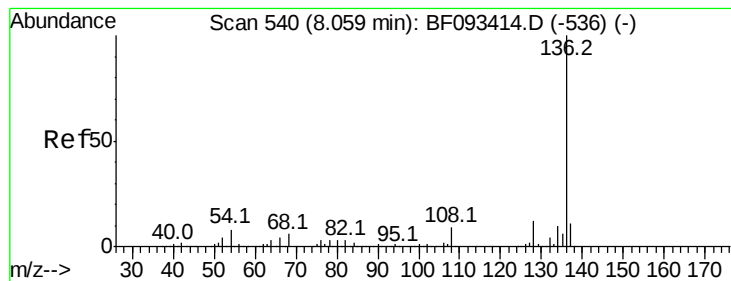
Delta R.T. 0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Tgt Ion:	94	Resp:	50855
Ion Ratio	Lower	Upper	
94	100		
65	32.4	21.4	61.4
66	65.1	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: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

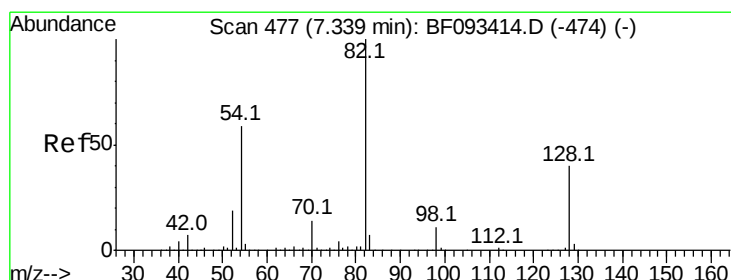
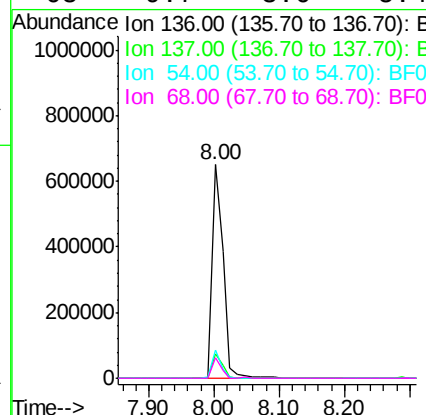
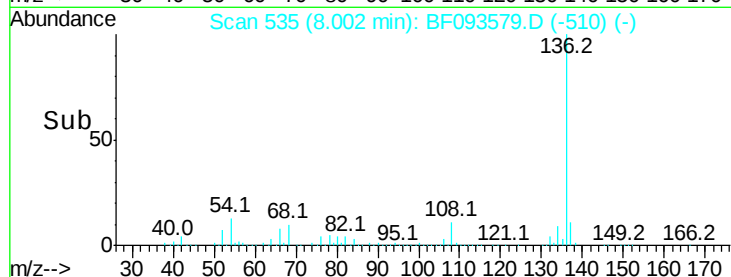
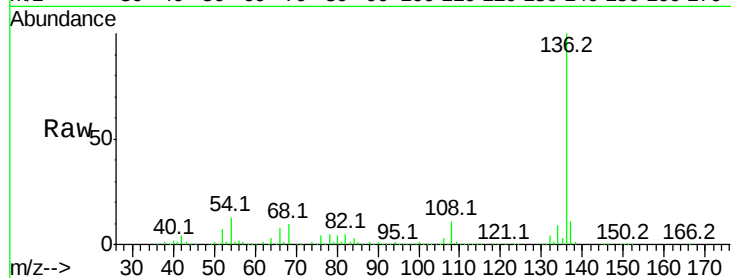
ClientSampled :

VNJ-236

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.4	12.6
54	13.4	4.5	6.7#
68	9.7	3.6	5.4#

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#23

Nitrobenzene-d5

Concen: 39.24 ng

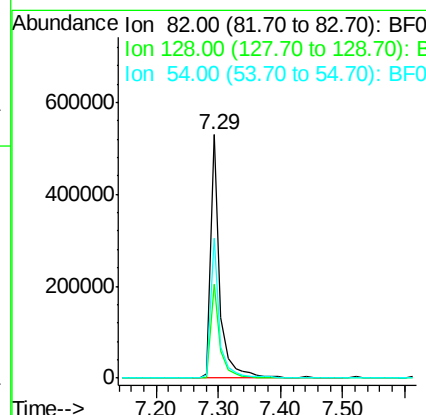
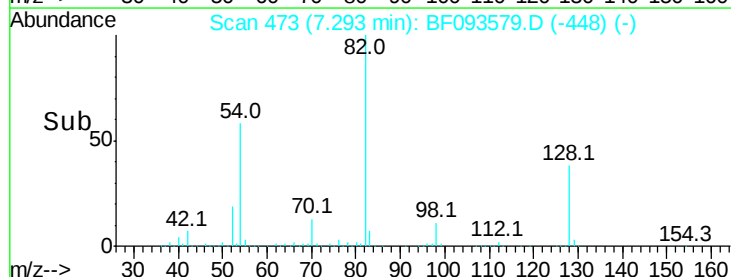
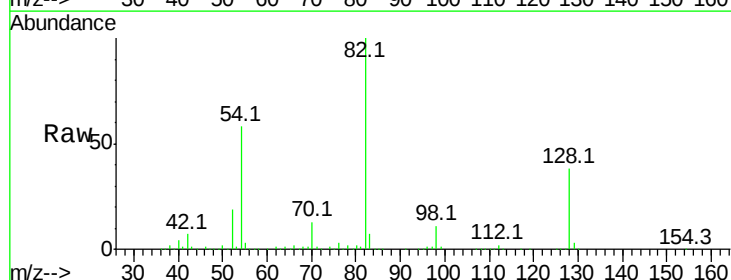
RT: 7.29 min Scan# 473

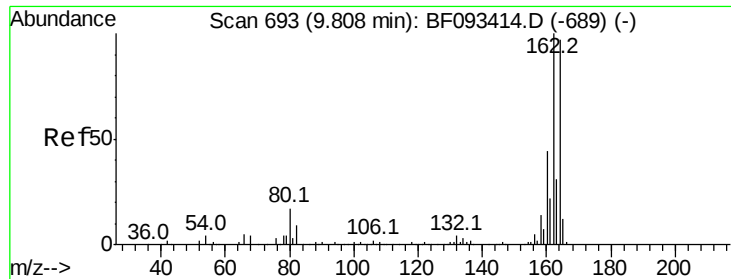
Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	38.3	34.6	52.0
54	57.5	39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

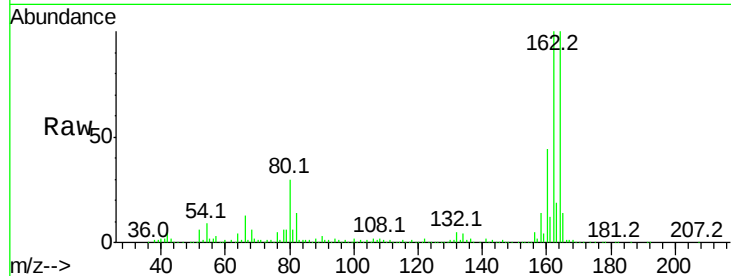
ClientSampleId :

VNJ-236

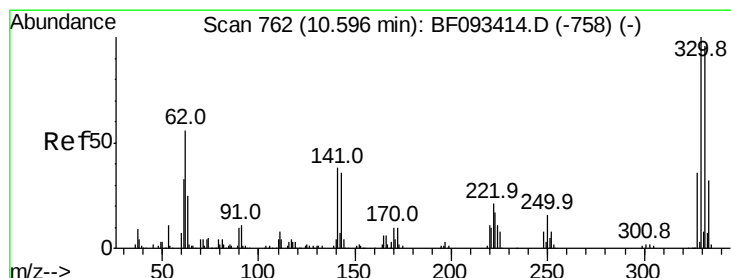
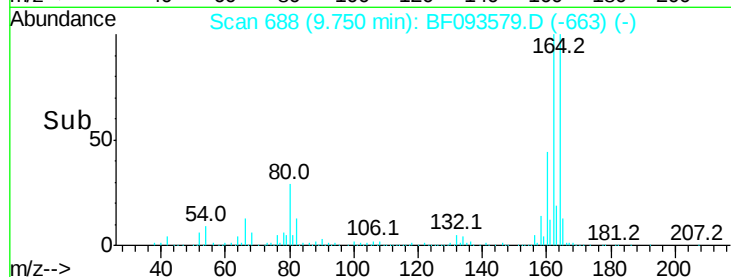
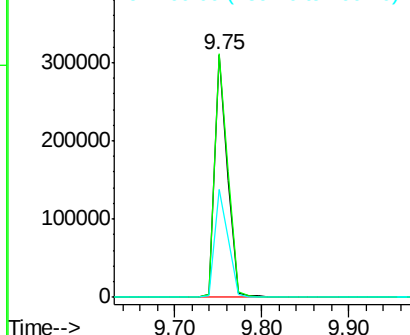
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	80.2	120.2	
160	44.7	36.9	55.3	

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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



#41

2,4,6-Tribromophenol

Concen: 25.00 ng

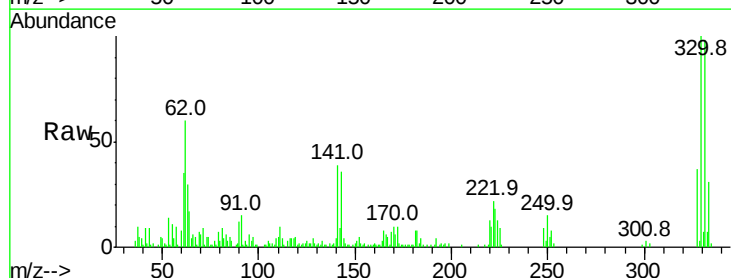
RT: 10.55 min Scan# 758

Delta R.T. -0.00 min

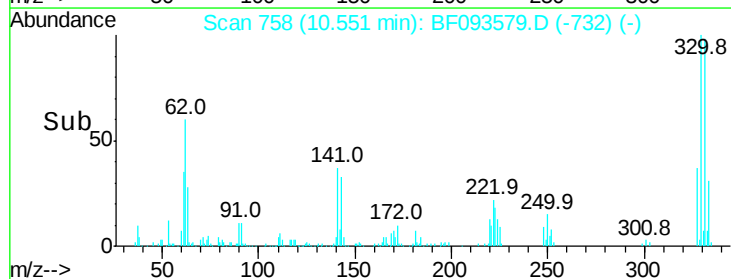
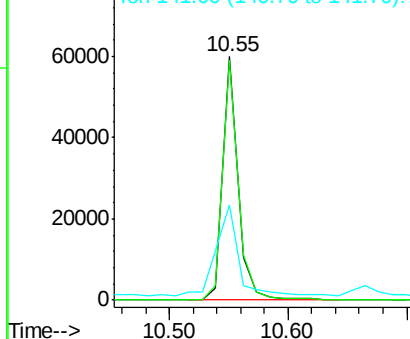
Lab File: BF093579.D

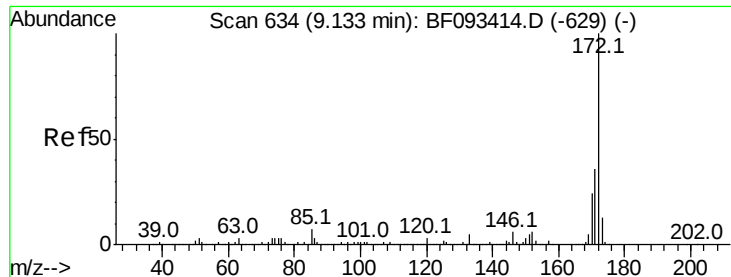
Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.4	77.4	116.2	
141	55.0	34.1	51.1#	



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





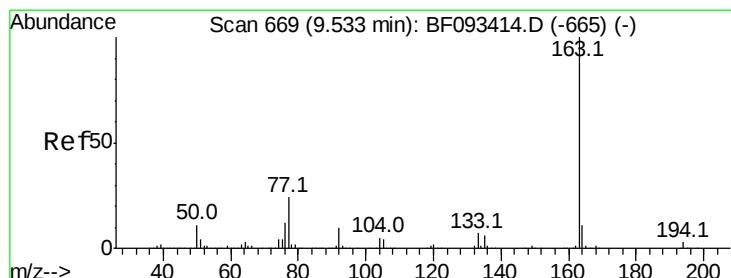
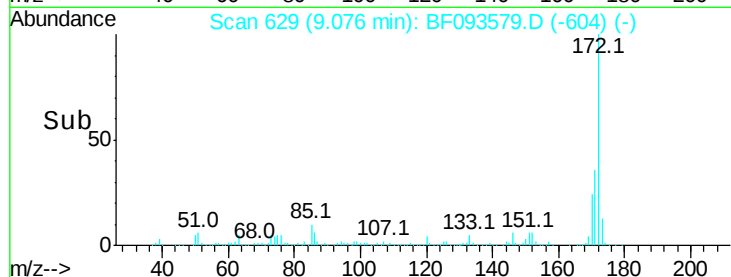
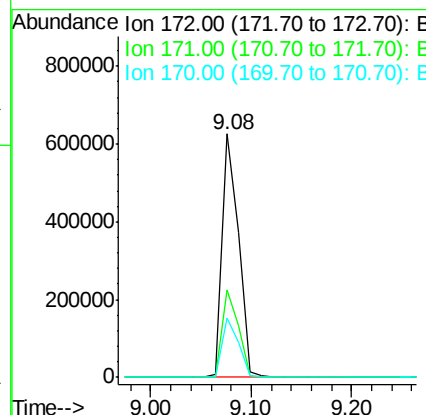
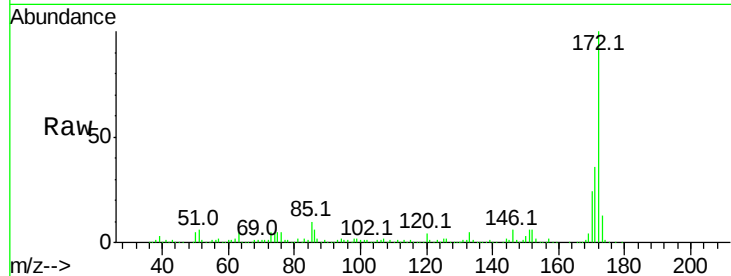
#44
2-Fluorobiphenyl
Concen: 40.43 ng
RT: 9.08 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Instrument :
BNA_F
ClientSampleId :
VNJ-236

Tot Ion	Ratio	Resp	Lower	Upper
172	100	709216		
171	35.7		29.4	44.0
170	24.2		20.2	30.4

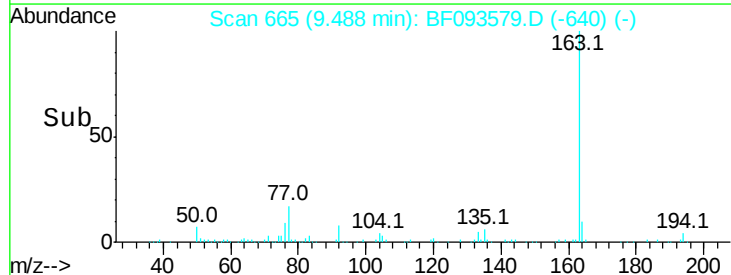
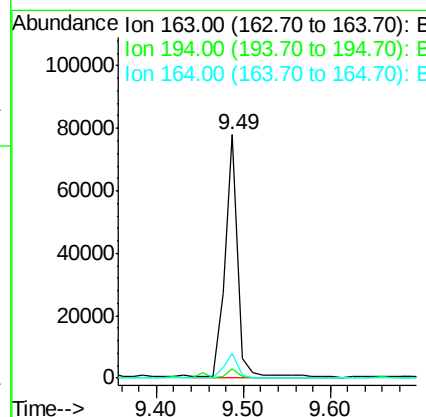
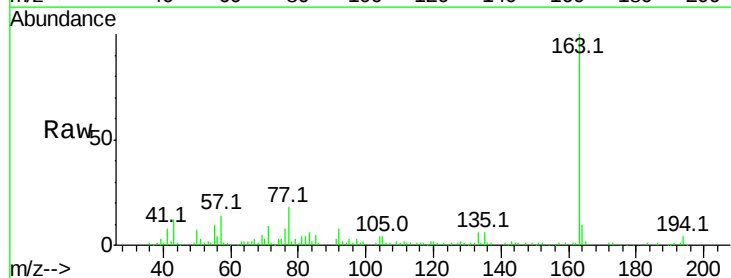
Manual Integrations
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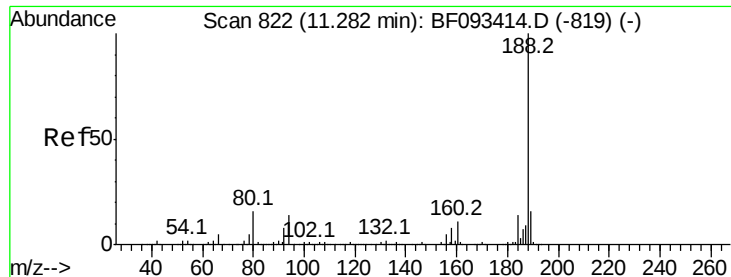
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#49
Dimethylphthalate
Concen: 3.68 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	79690		
194	4.0		3.0	4.4
164	10.2		8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

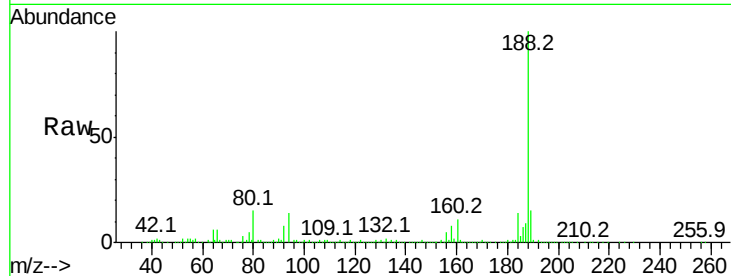
ClientSampleId :

VNJ-236

Tot Ion:	188	Resp:	508926
Ion Ratio	Lower	Upper	
188	100		
94	13.9	10.0	15.0
80	15.3	11.2	16.8

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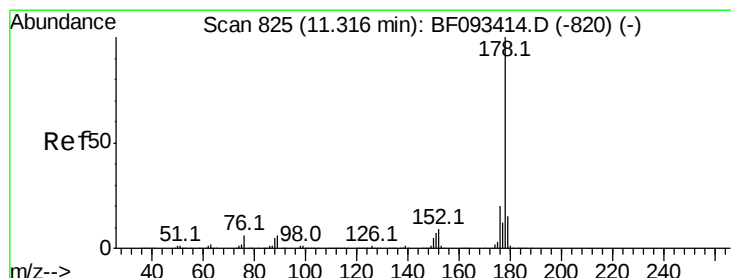
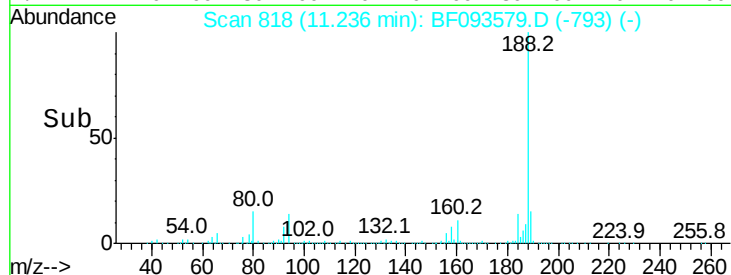
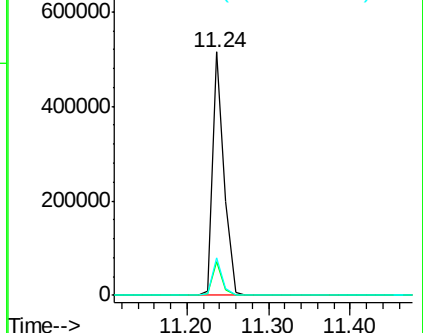
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.39 ng

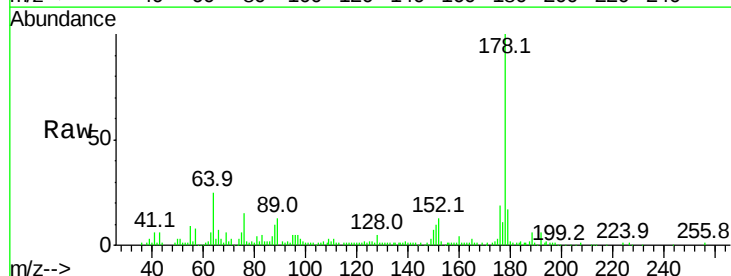
RT: 11.26 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

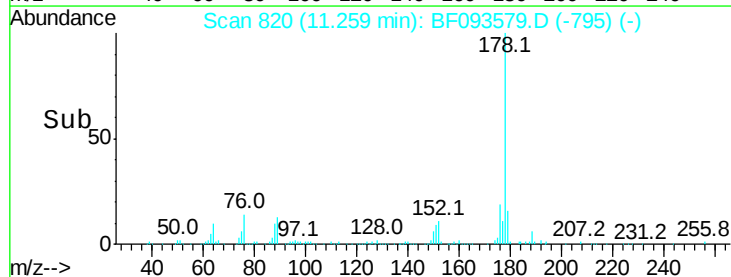
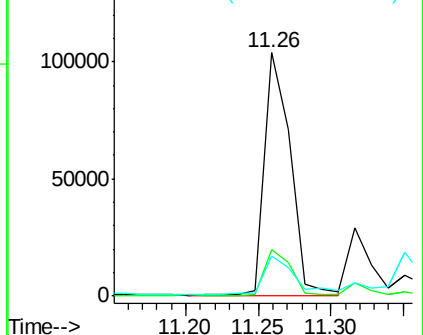
Tgt Ion:	178	Resp:	127472
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.6	25.0
179	16.6	12.8	19.2

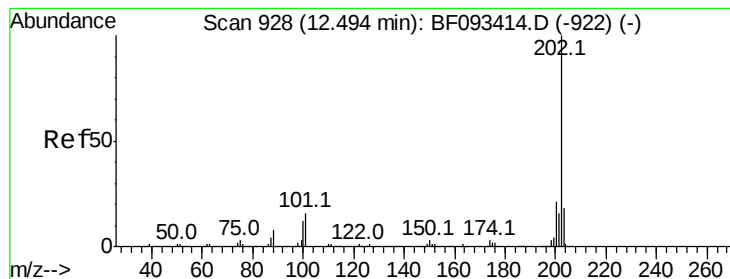


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.69 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

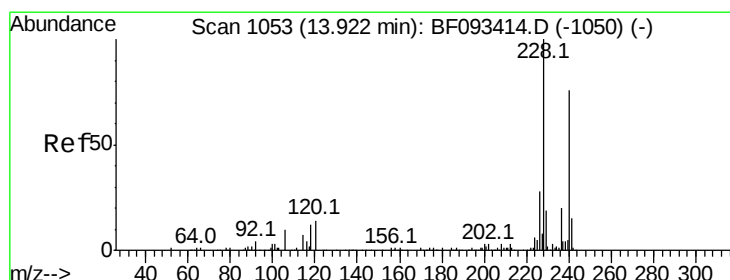
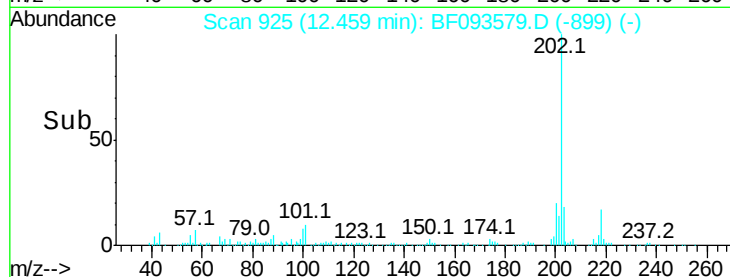
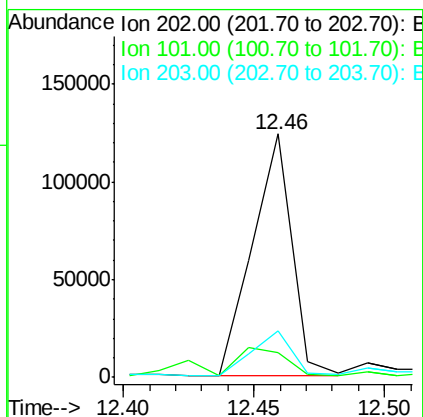
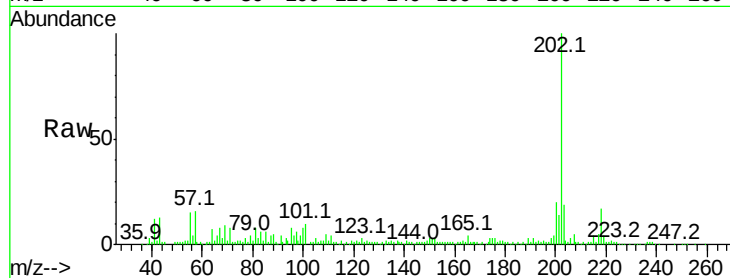
ClientSampleId :

VNJ-236

Tot Ion:	202	Resp:	131650
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.6
203	19.0	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

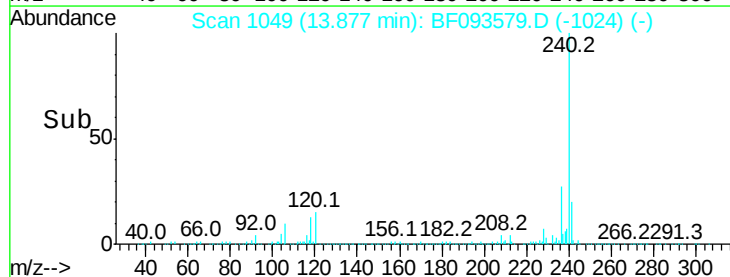
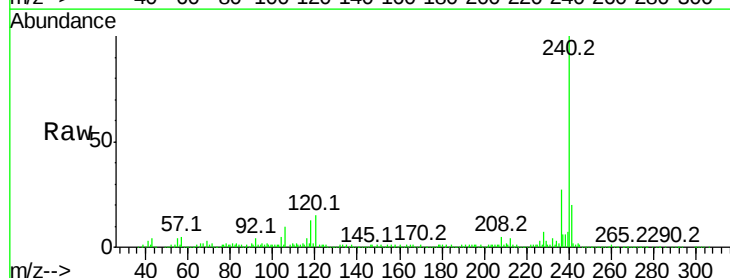
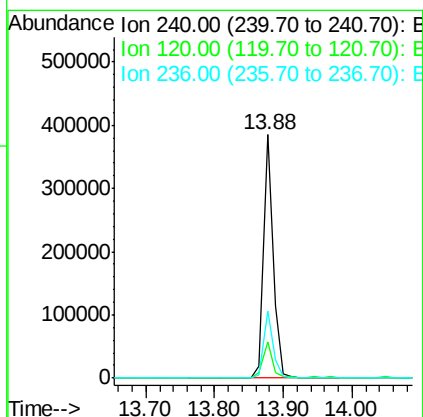
RT: 13.88 min Scan# 1049

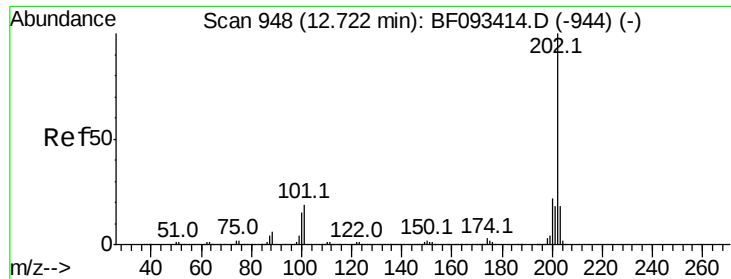
Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Tgt Ion:	240	Resp:	363859
Ion Ratio	Lower	Upper	
240	100		
120	14.9	12.9	19.3
236	27.4	20.9	31.3





#77

Pvrene

Concen: 4.63 ng

RT: 12.68 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

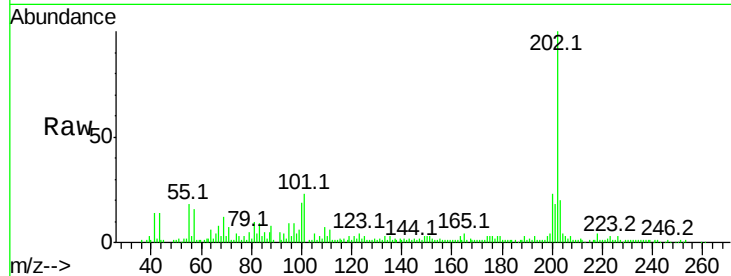
ClientSampled :

VNJ-236

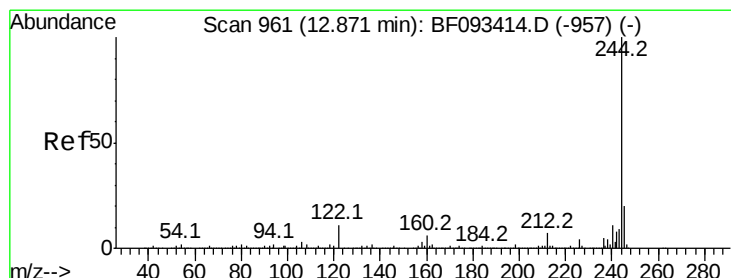
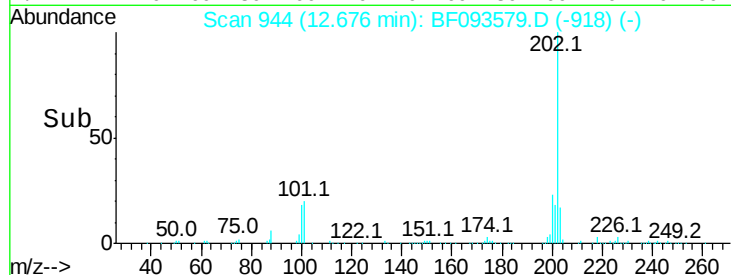
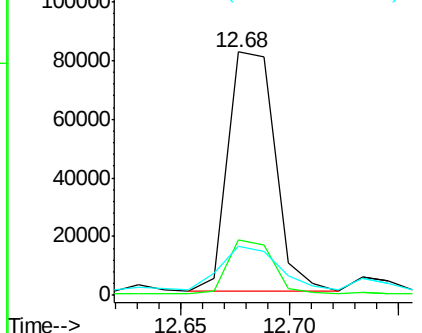
Tot Ion:202	Resp:	122437
Ion Ratio	Lower	Upper
202 100		
200 22.6	17.7	26.5
203 20.0	14.7	22.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 29.12 ng

RT: 12.83 min Scan# 957

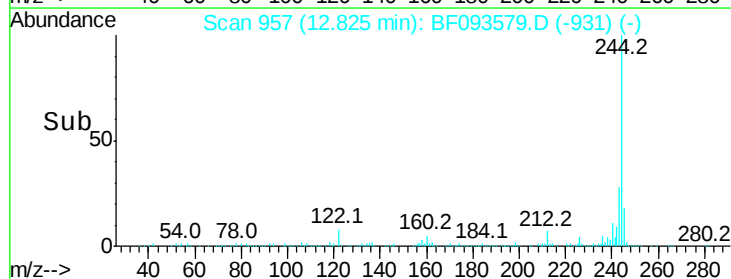
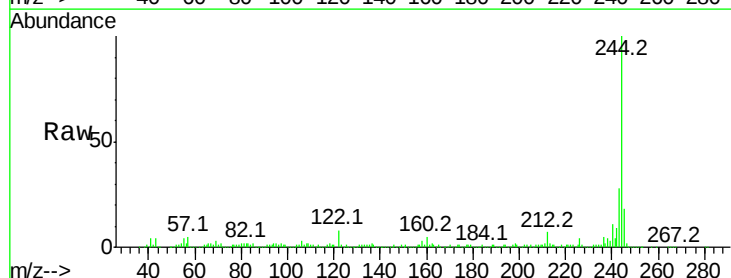
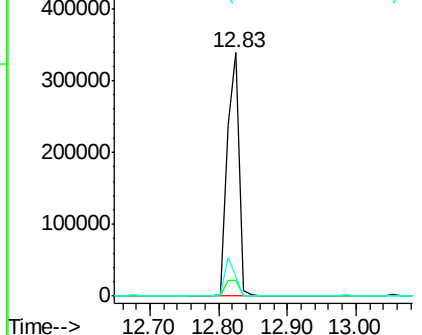
Delta R.T. -0.00 min

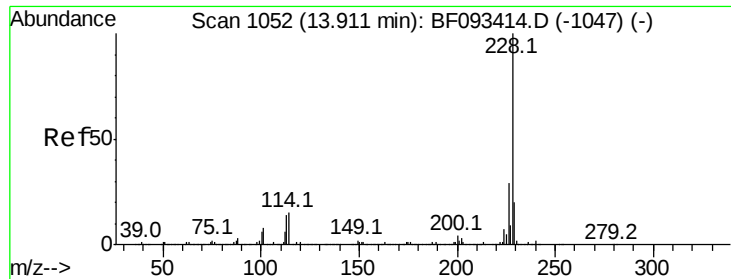
Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Tgt Ion:244	Resp:	407603
Ion Ratio	Lower	Upper
244 100		
212 6.7	6.2	9.2
122 8.2	11.4	17.2#

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





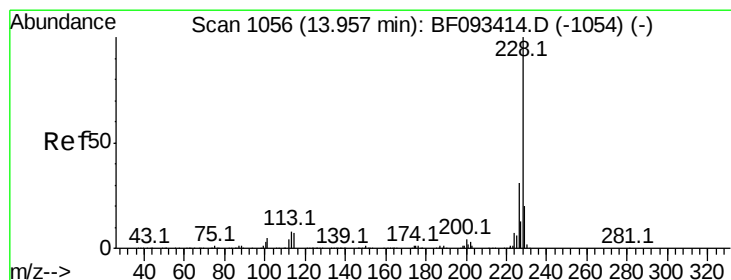
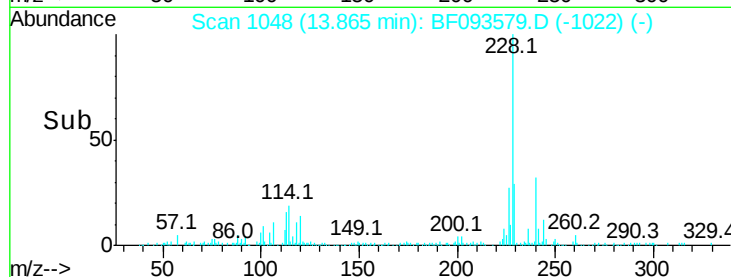
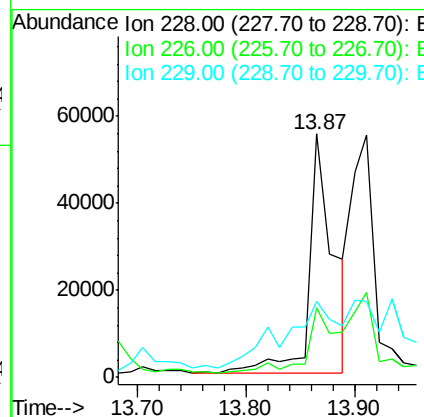
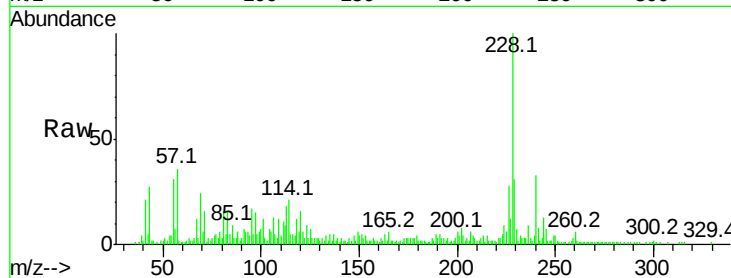
#80
Benzo(a)anthracene
Concen: 4.03 ng
RT: 13.87 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Instrument :
BNA_F
ClientSampleId :
VNJ-236

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.4	33.6
229	31.4	16.2	24.4

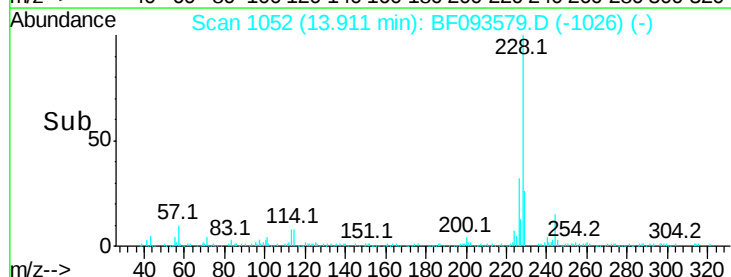
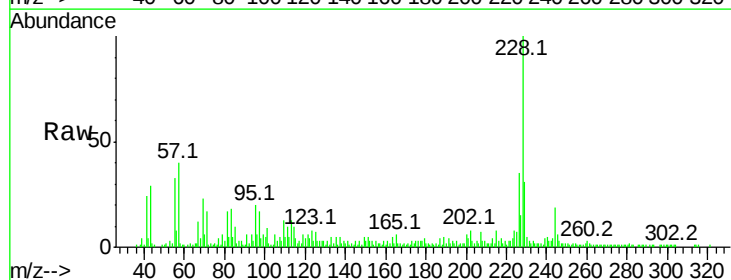
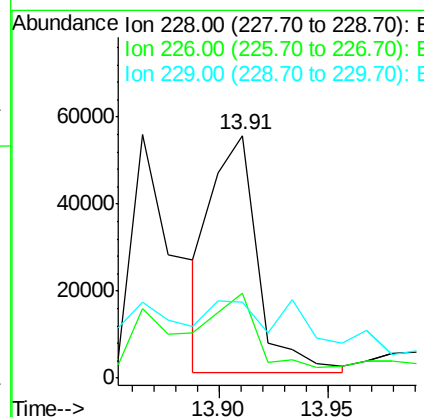
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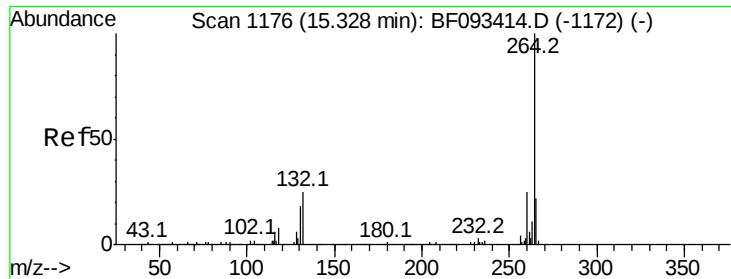
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#82
Chrysene
Concen: 4.02 ng
RT: 13.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	25.4	38.0
229	31.2	16.2	24.2





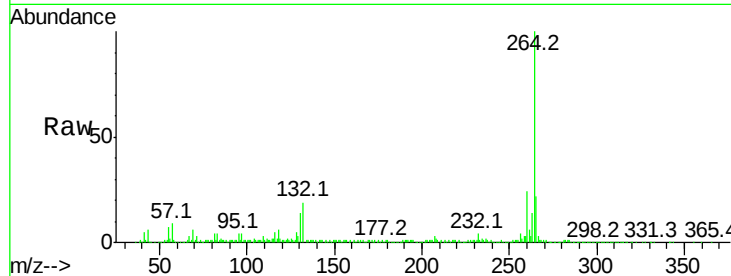
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Instrument :
BNA_F
ClientSampleId :
VNJ-236

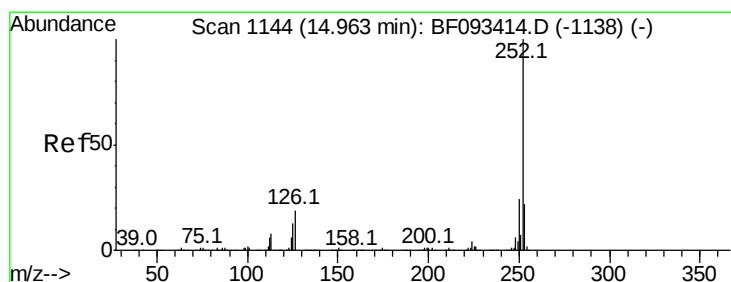
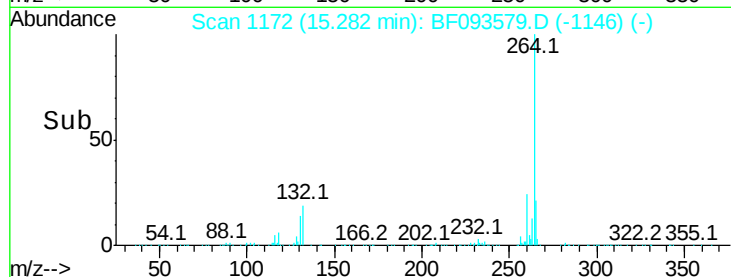
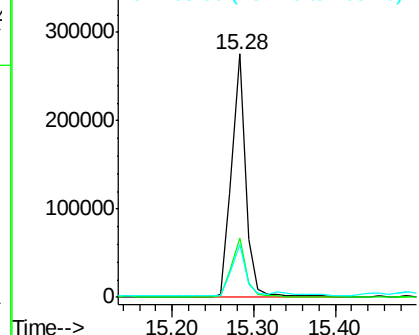
Tot Ion:	264	Resp:	328677
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.6	17.4	26.0

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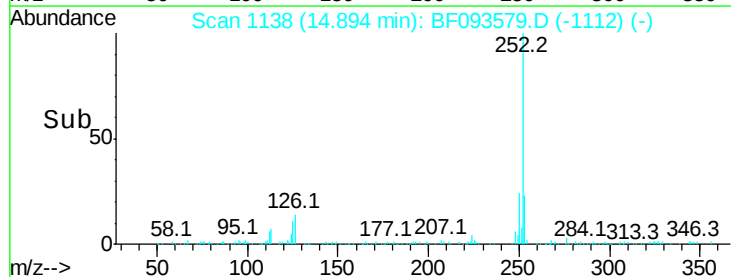
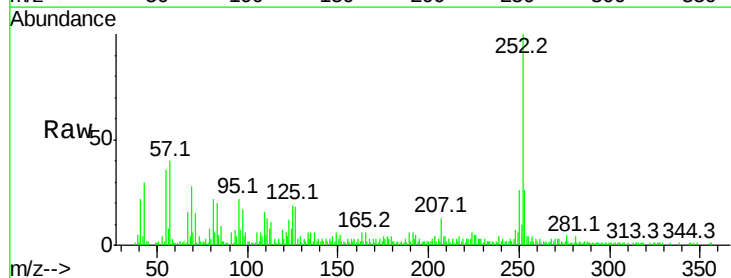
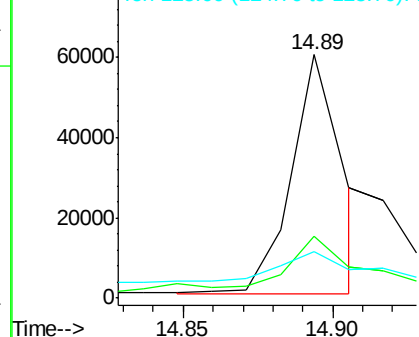
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

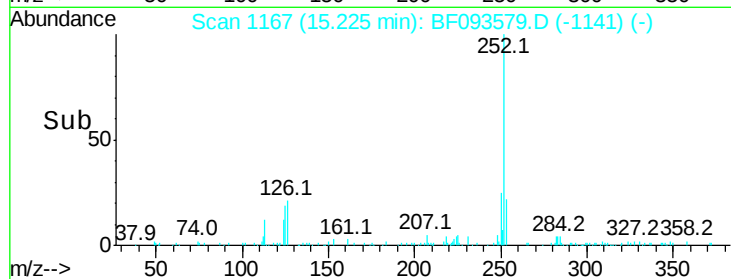
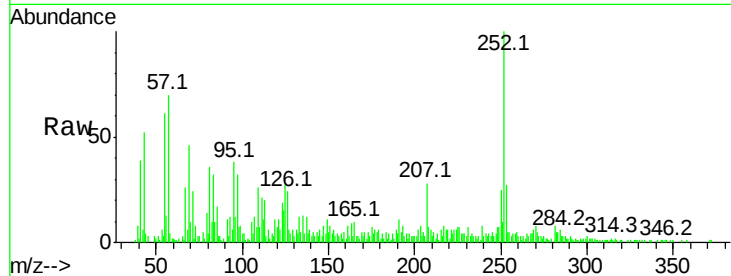
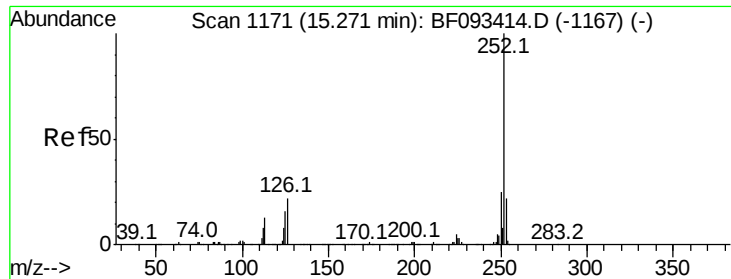


#87
Benzo(b)fluoranthene
Concen: 3.55 ng m
RT: 14.89 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion:	252	Resp:	70980
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.4
125	19.1	9.8	14.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.72 ng

RT: 15.23 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

ClientSampleId :

VNJ-236

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.2	27.2
125	27.2	10.0	15.0

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