

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097876.D
 Acq On : 19 Aug 2017 14:03
 Operator : SJ/JU
 Sample : I4852-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Manual Integrations
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Sohil
 8/21/2017 5:19:47 PM

Quant Time: Aug 21 04:12:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	165017	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	705624	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	327116	20.00	ng	-0.03
63) Phenanthrene-d10	11.27	188	590487	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	342641	20.00	ng	-0.04
86) Perylene-d12	15.33	264	311114	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	958619	88.36	ng	-0.02
7) Phenol-d6	6.40	99	1392479	94.47	ng	-0.01
23) Nitrobenzene-d5	7.33	82	898424	69.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	281567	99.20	ng	-0.03
44) 2-Fluorobiphenyl	9.12	172	1319073	59.24	ng	-0.02
78) Terphenyl-d14	12.86	244	945193	57.53	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.52	163	302329	12.644	ng	Qvalue 98
70) Phenanthrene	11.30	178	258981	8.231	ng	98
71) Anthracene	11.35	178	71742	2.248	ng	99
74) Fluoranthene	12.48	202	327830	9.982	ng	98
77) Pyrene	12.71	202	282254	10.072	ng	97
80) Benzo(a)anthracene	13.89	228	119697	5.829	ng	98
82) Chrysene	13.93	228	104475	5.114	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	57063	3.797	ng	# 91
87) Benzo(b)fluoranthene	14.92	252	128643m	6.560	ng	
88) Benzo(k)fluoranthene	14.94	252	50079m	2.718	ng	
89) Benzo(a)pyrene	15.26	252	97236	5.601	ng	99
91) Benzo(a,h,i)perylene	17.12	276	53422	3.622	ng	96

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

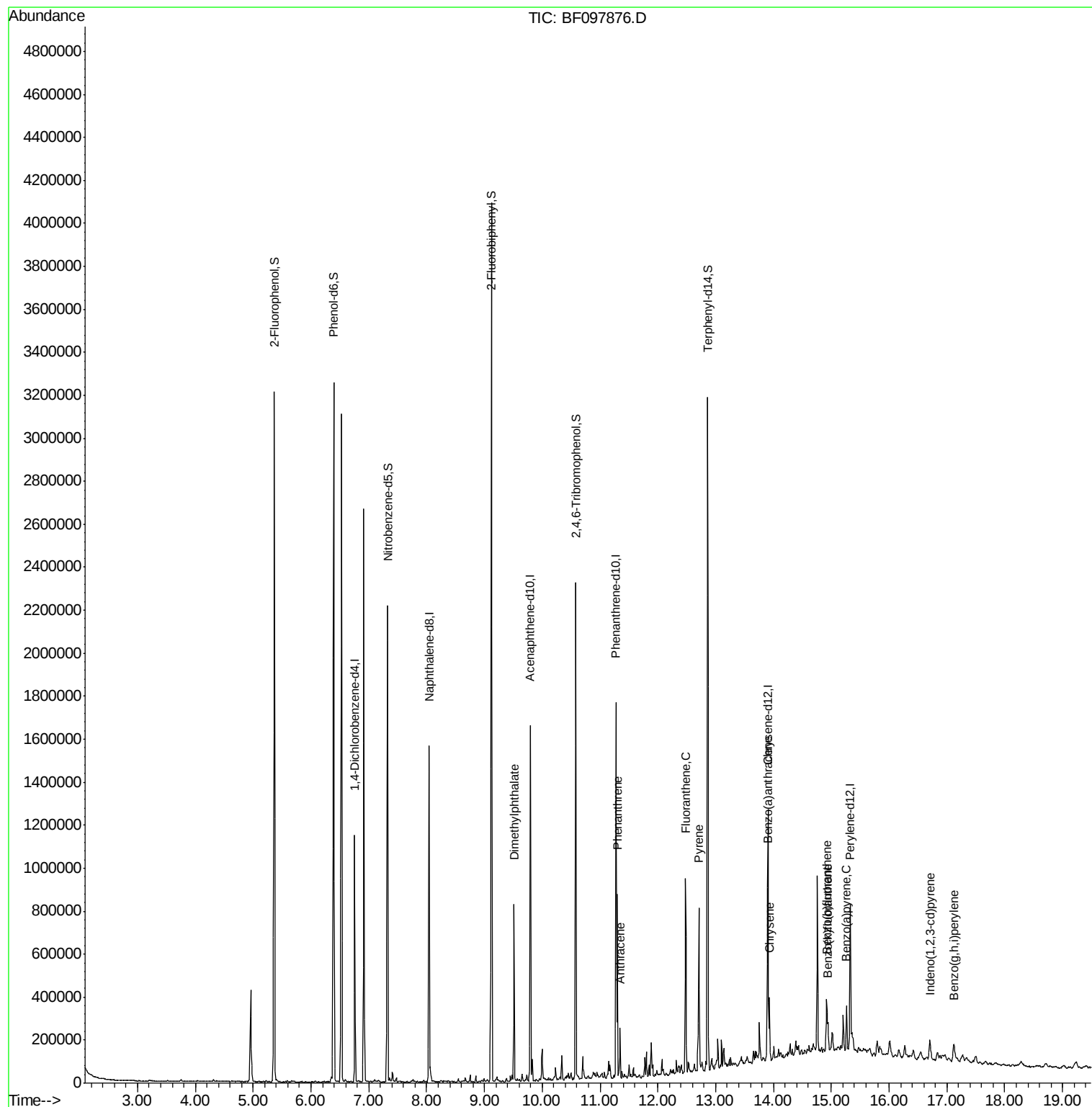
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
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ALS Vial : 6 Sample Multiplier: 1

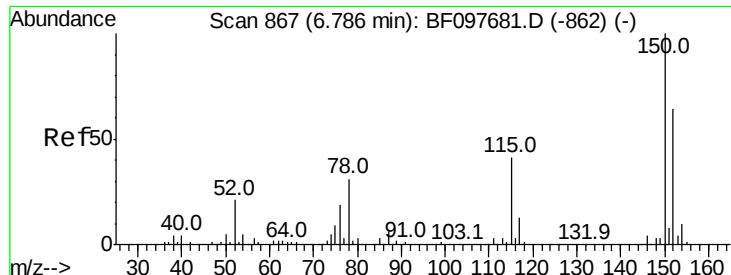
Instrument :
BNA_F
ClientSampled :
VNJ-242

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Quant Time: Aug 21 04:12:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

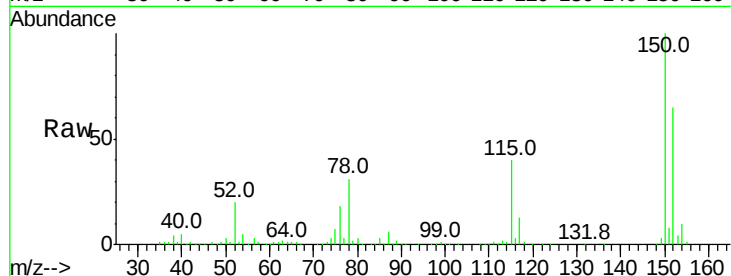
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

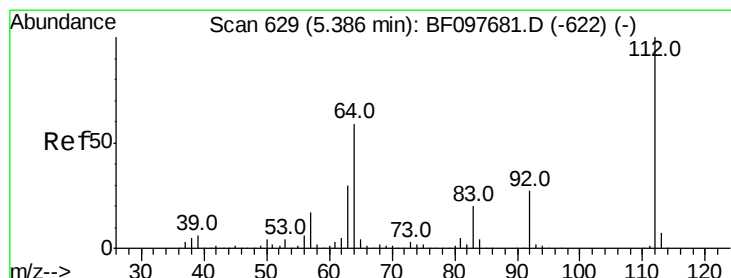
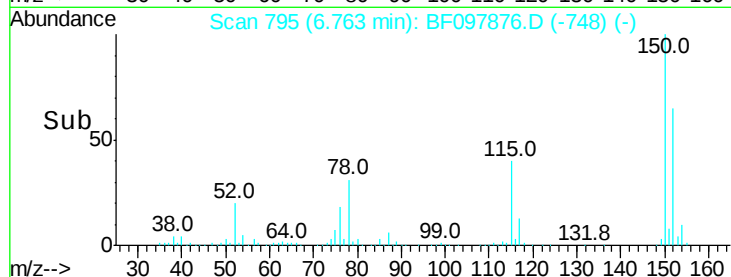
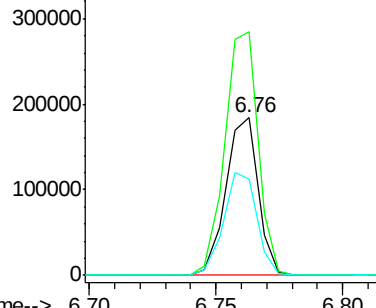
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	61.6	52.2	78.2

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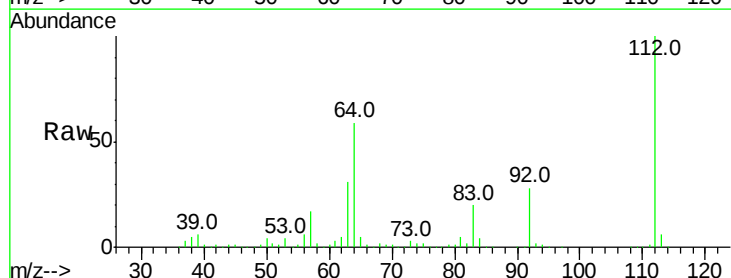
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



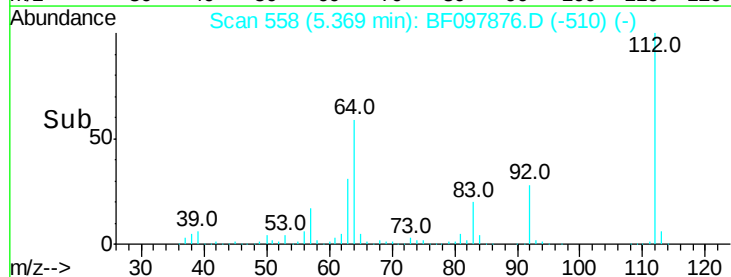
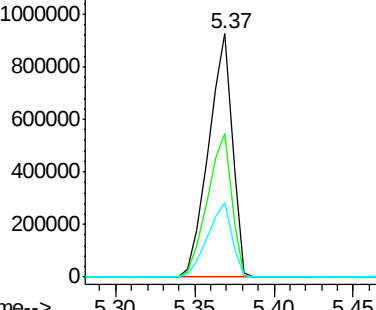
#5

2-Fluorophenol
 Concen: 88.362 ng
 RT: 5.37 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.0	69.0
63	30.7	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: 94.468 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-242

Tot Ion: 99 Resp: 1392479

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

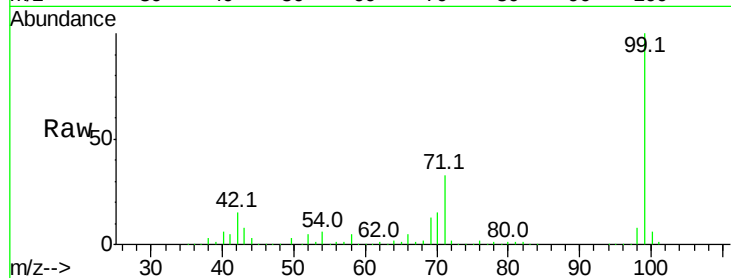
71 33.4 24.5 36.7

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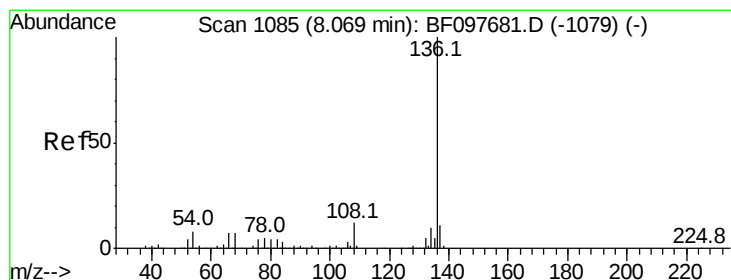
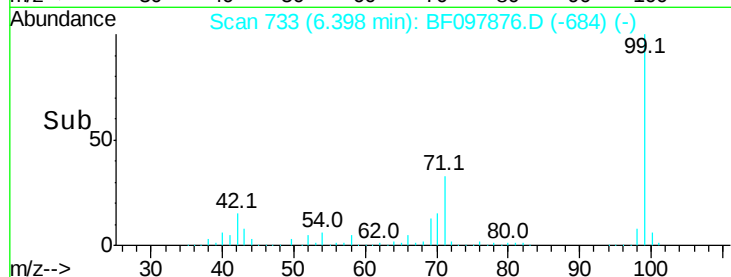
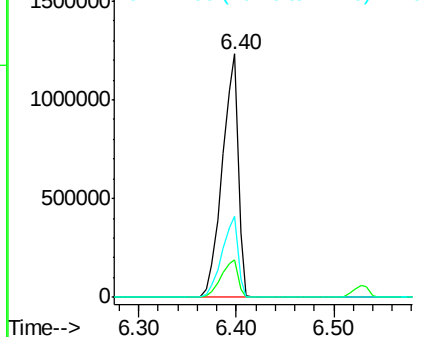
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Tgt Ion: 136 Resp: 705624

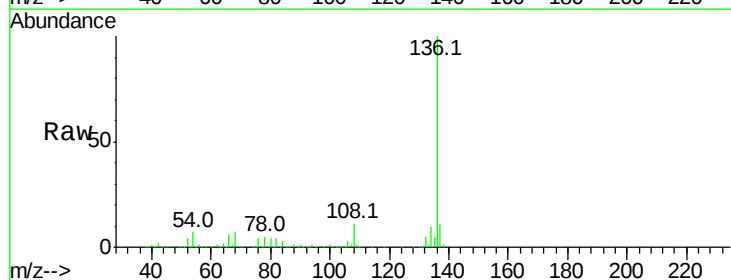
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.0 4.9 7.3

68 6.7 4.1 6.1#

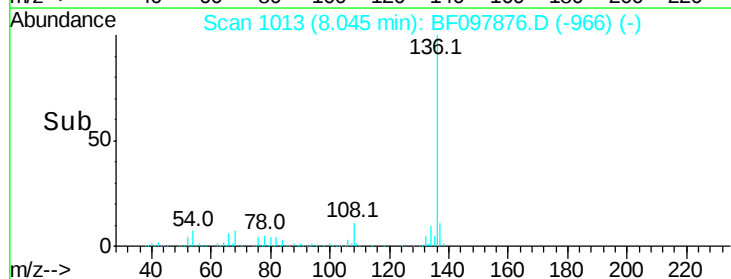
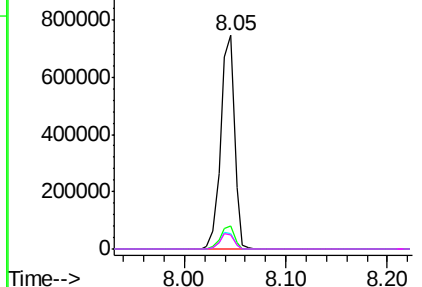


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





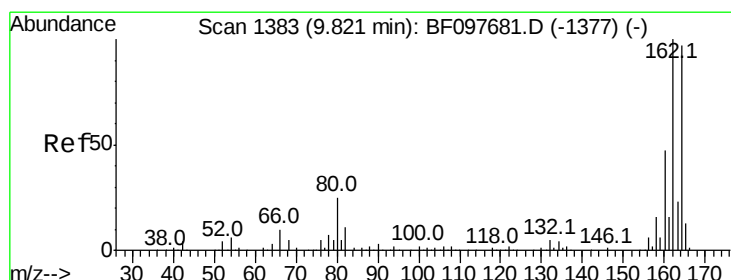
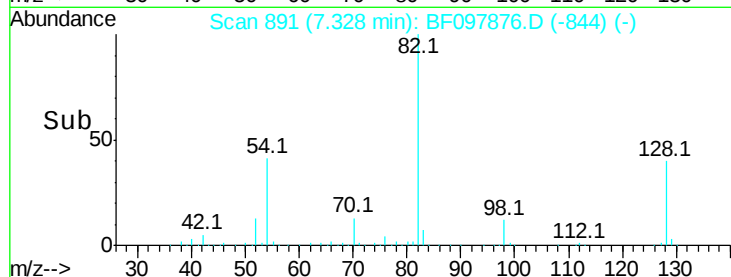
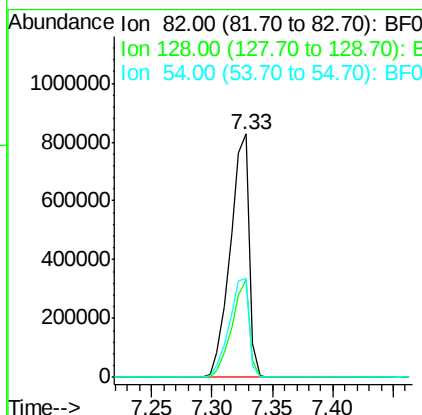
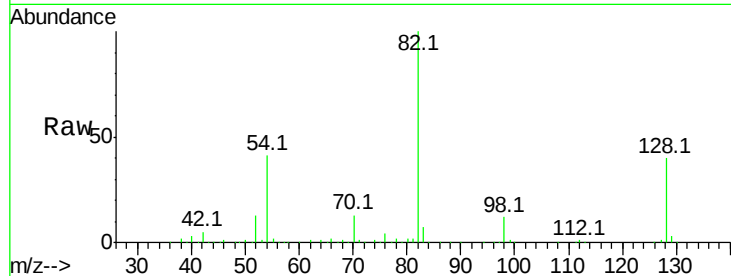
#23
Nitrobenzene-d5
Concen: 69.168 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampled :
VNJ-242

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.0	34.0	51.0	
54	40.9	42.2	63.2	

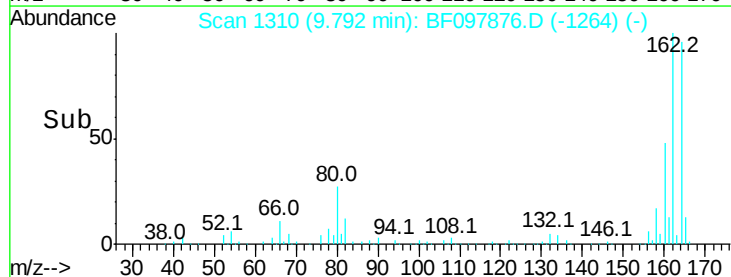
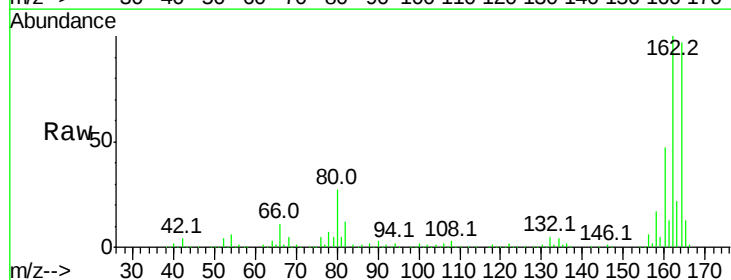
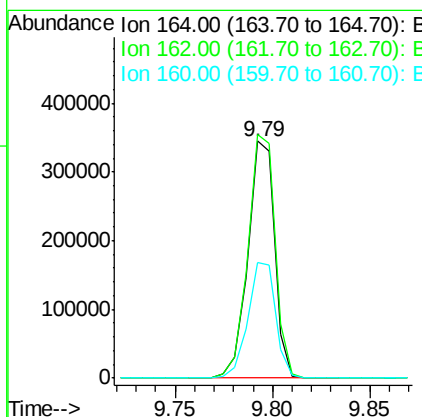
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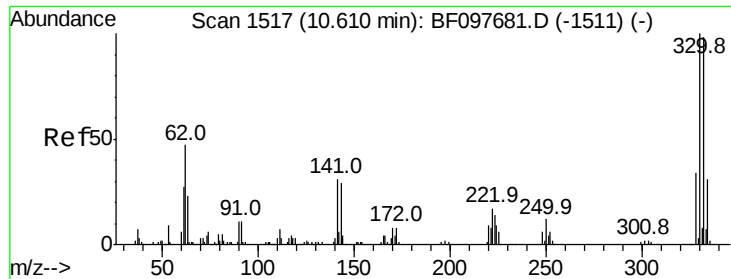
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.6	123.8	
160	48.7	36.2	54.2	





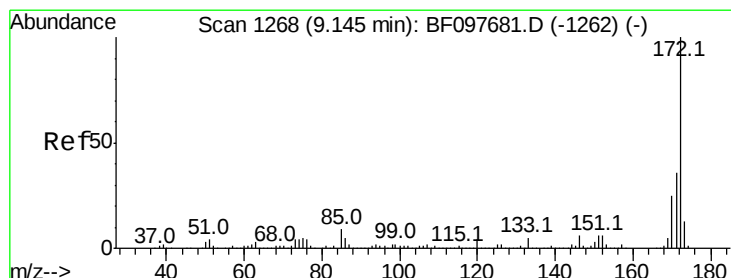
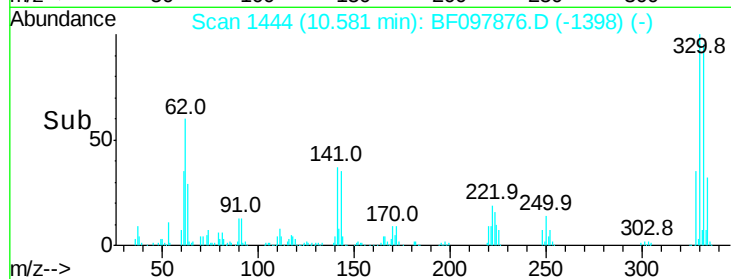
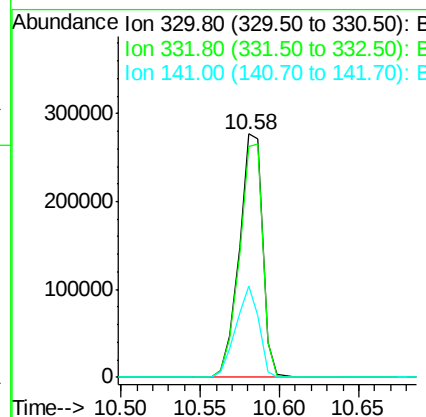
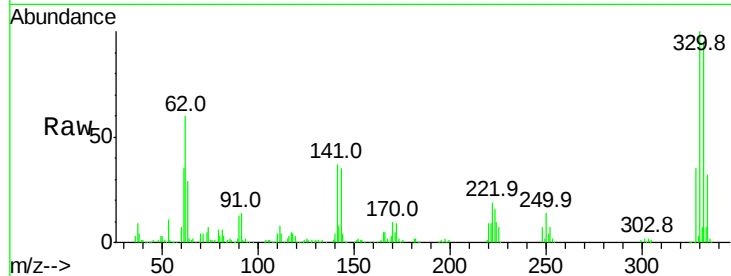
#41
 2,4,6-Tribromophenol
 Concen: 99.204 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.03 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Instrument :
 BNA_F
 ClientSampled :
 VNJ-242

Tot Ion	Ratio	Resp	Lower	Upper
330	100	281567		
332	96.3	76.6	115.0	
141	37.3	31.4	47.2	

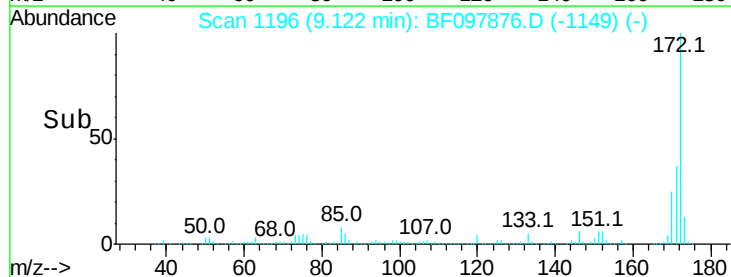
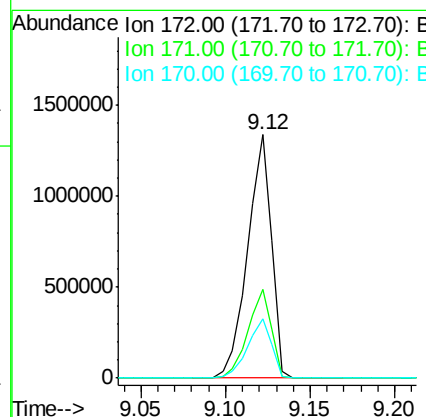
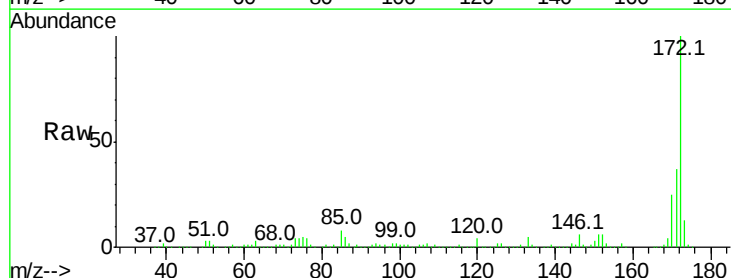
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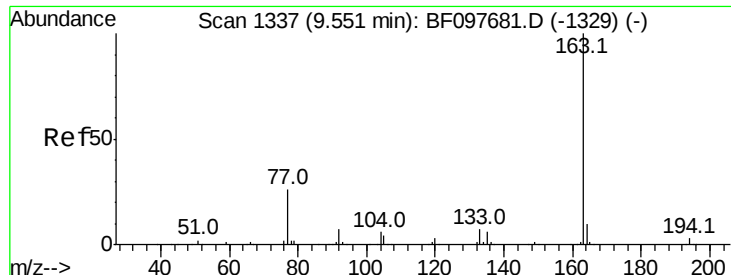
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#44
 2-Fluorobiphenyl
 Concen: 59.245 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF097876.D
 Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1319073		
171	36.5	29.6	44.4	
170	24.6	19.8	29.8	





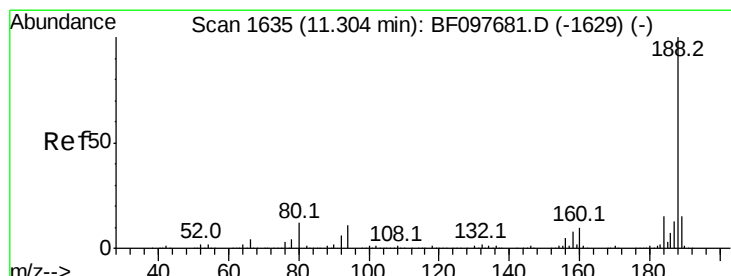
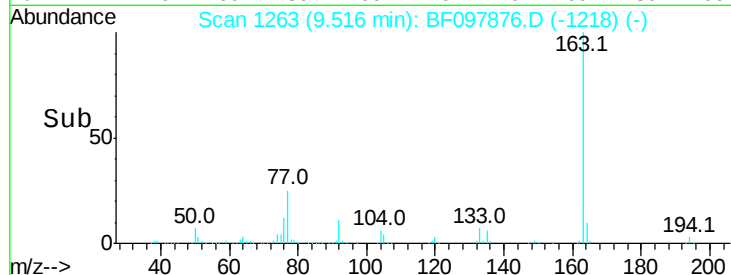
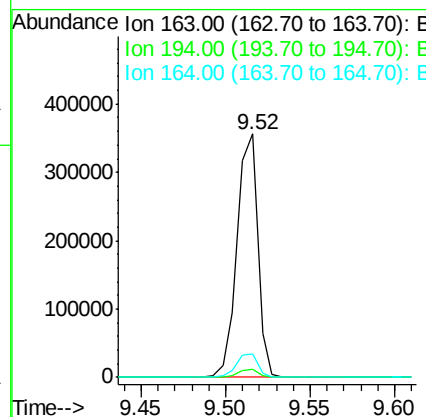
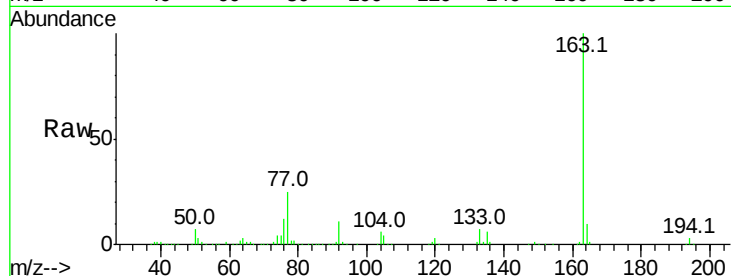
#49
Dimethylphthalate
Concen: 12.644 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.7	8.4	12.6	

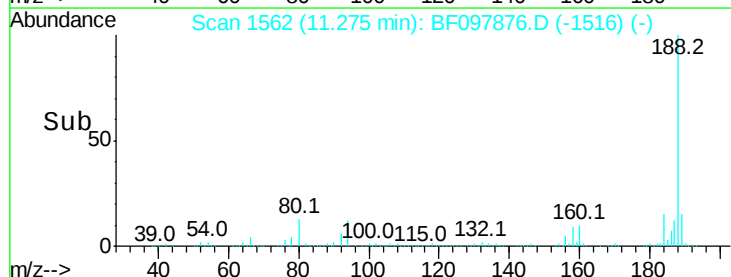
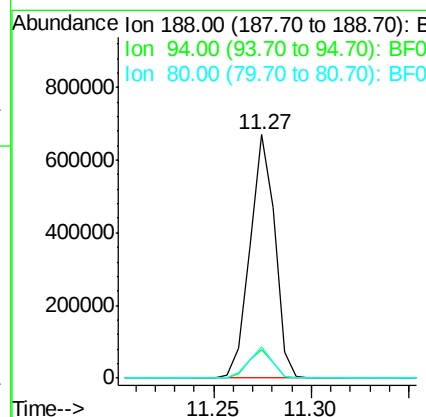
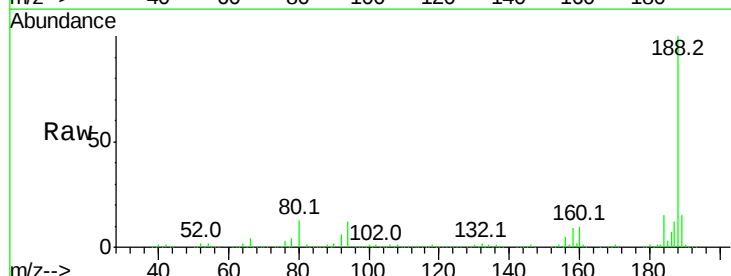
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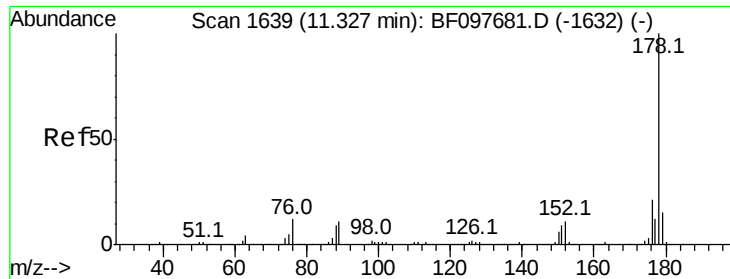
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.8	9.4	14.2	
80	12.7	10.2	15.2	





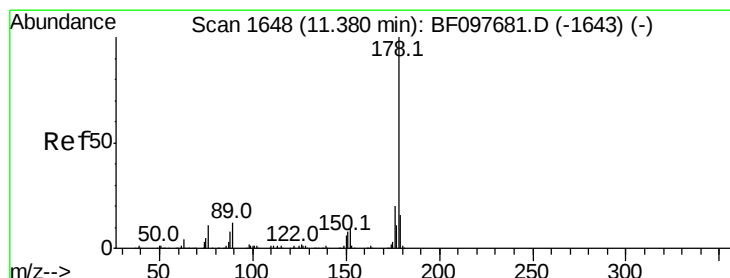
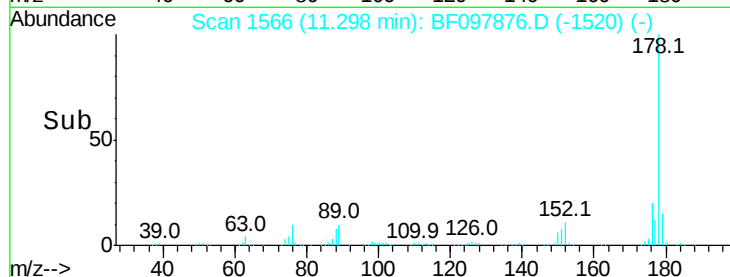
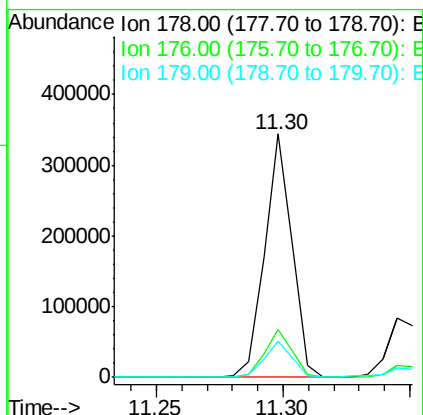
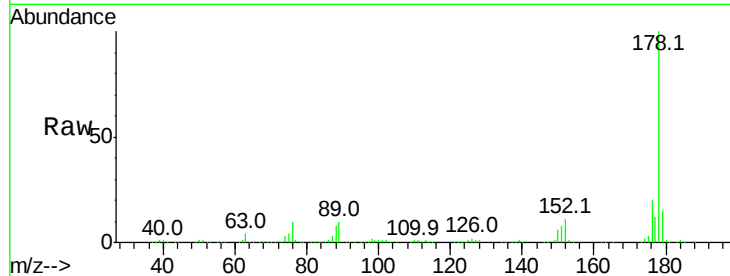
#70
Phenanthrene
Concen: 8.231 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.9	12.6	19.0

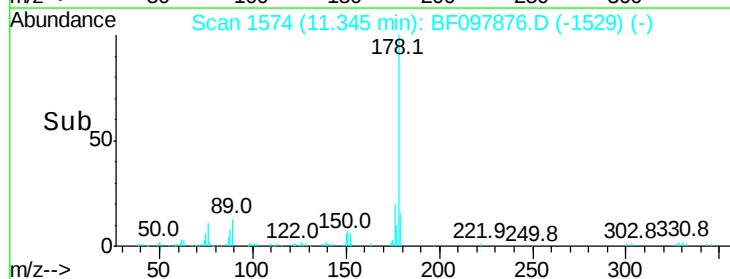
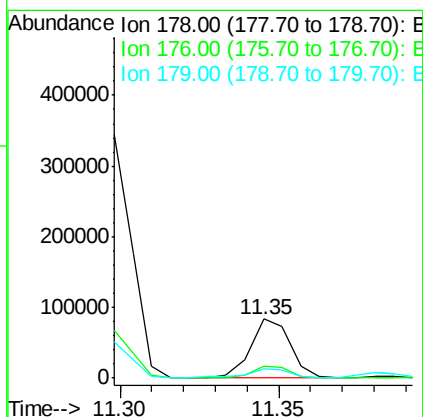
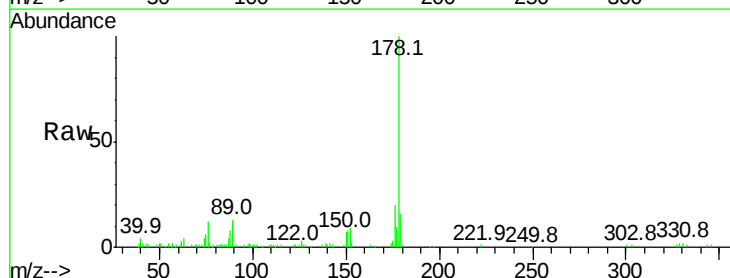
Manual Integrations
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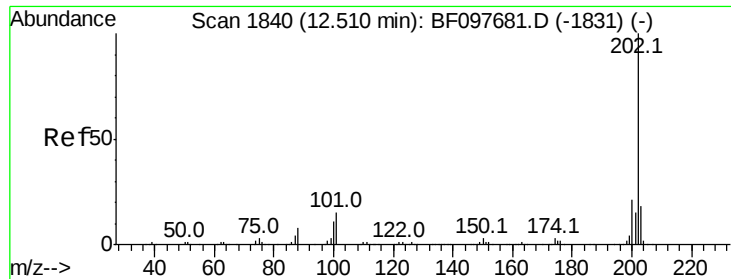
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#71
Anthracene
Concen: 2.248 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.3	12.7	19.1





#74

Fluoranthene

Concen: 9.982 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.03 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

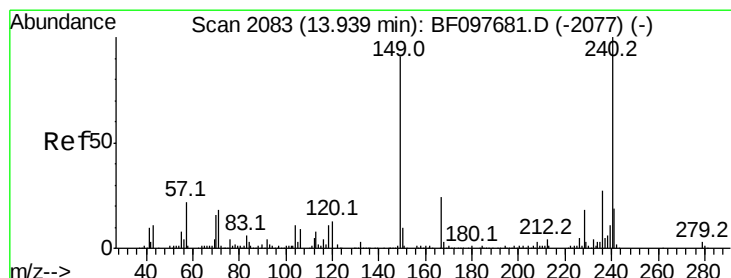
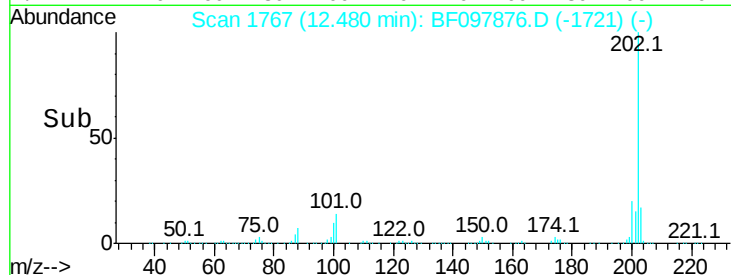
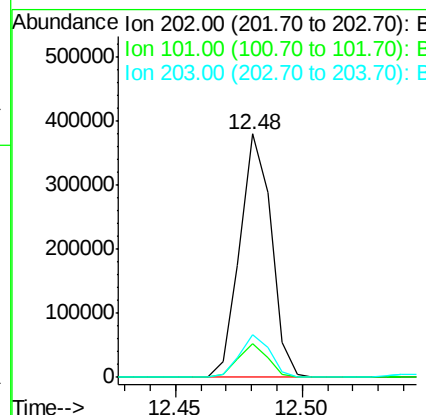
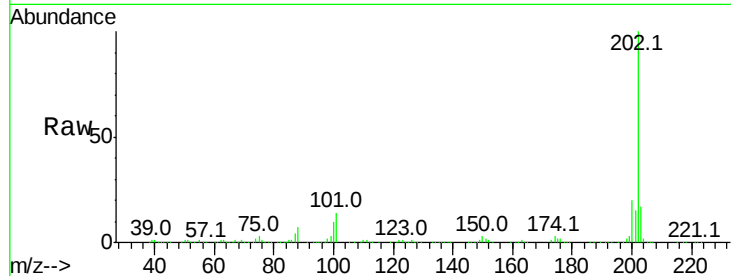
ClientSampled :

VNJ-242

Tot Ion:	202	Resp:	327830
Ion Ratio		Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

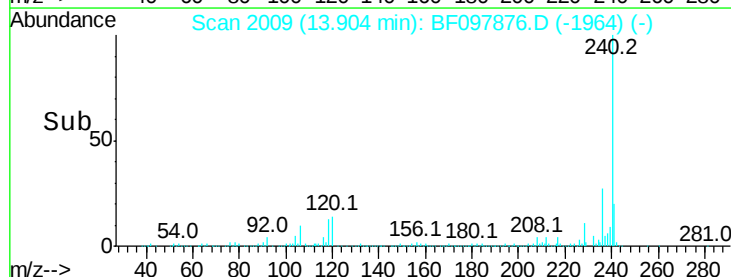
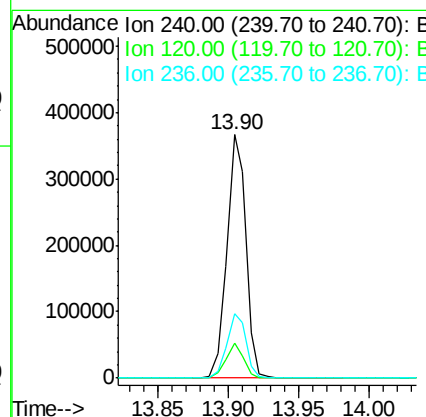
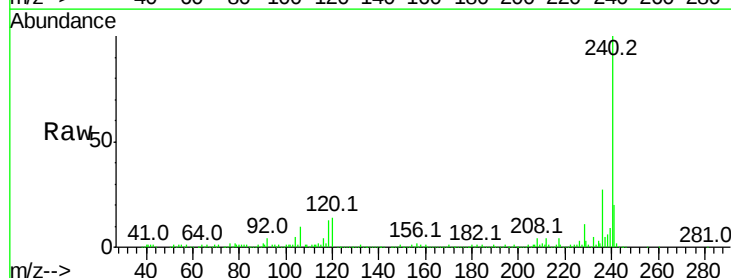
RT: 13.90 min Scan# 2009

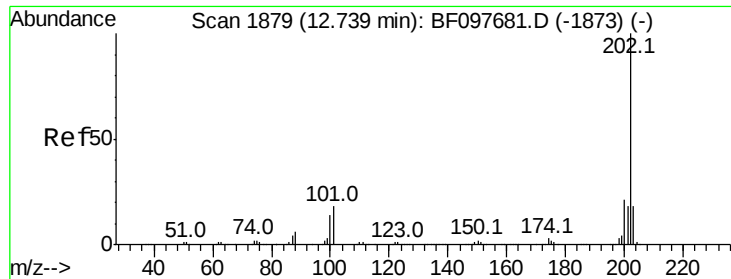
Delta R.T. -0.04 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Tgt Ion:	240	Resp:	342641
Ion Ratio		Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	26.6	20.5	30.7





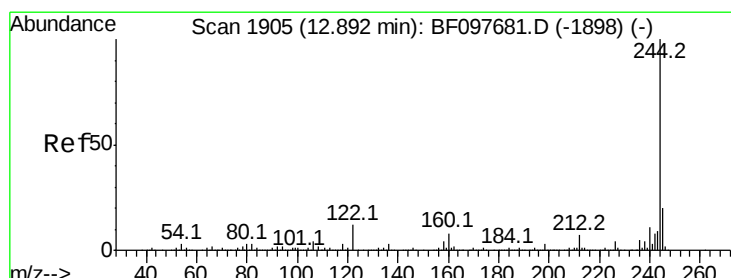
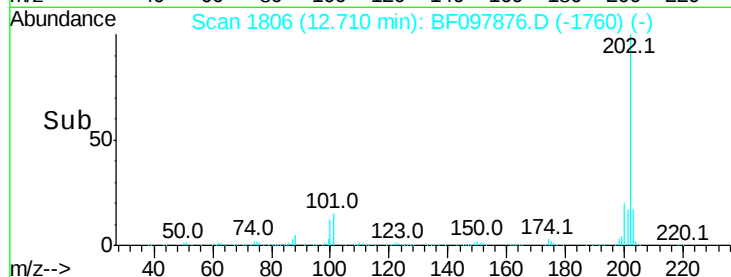
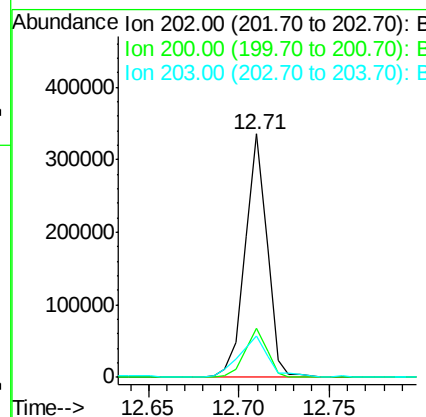
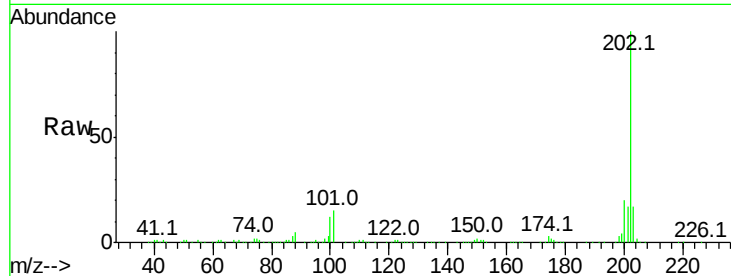
#77
Pvrene
Concen: 10.072 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.03 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.6	26.4
203	17.1	14.4	21.6

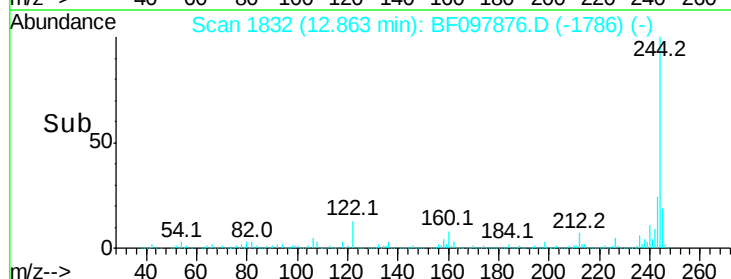
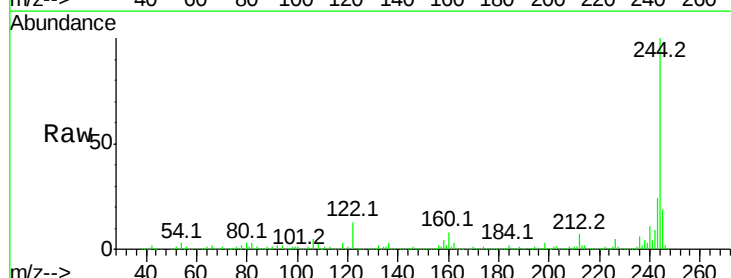
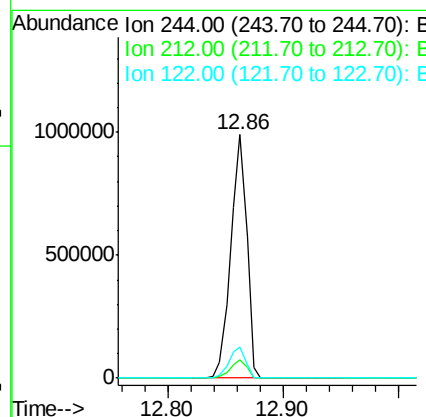
Manual Integrations
APPROVED

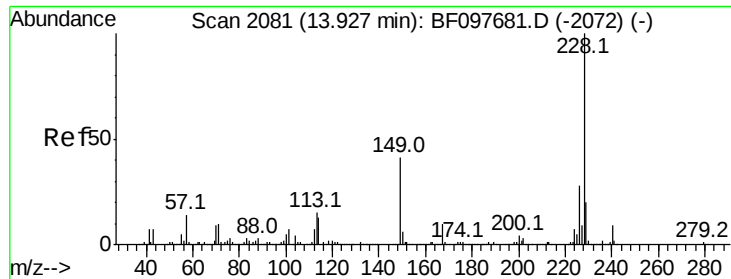
Sohil
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#78
Terphenyl-d14
Concen: 57.525 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.03 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.0	10.3	15.5





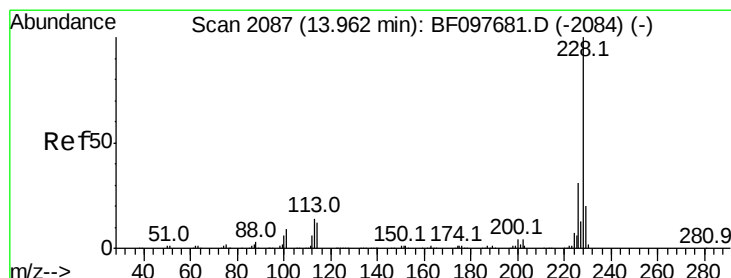
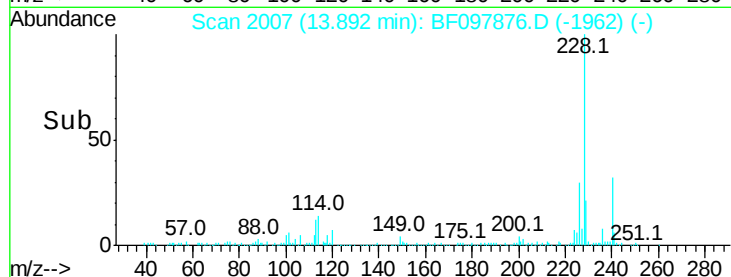
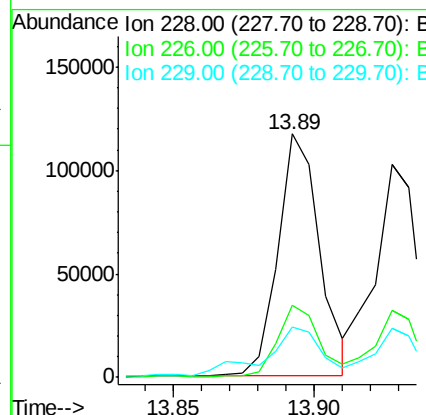
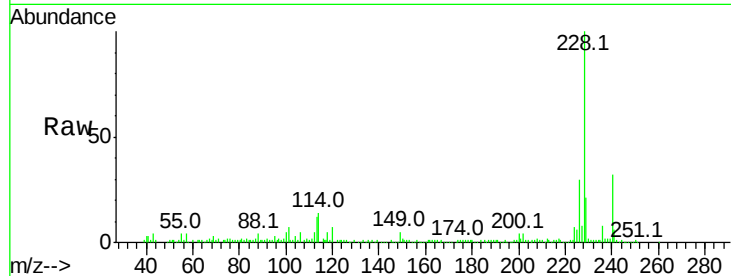
#80
Benzo(a)anthracene
Concen: 5.829 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tot Ion	Ratio	Resp	Lower	Upper
228	100	119697		
226	29.8		22.6	33.8
229	20.9		16.3	24.5

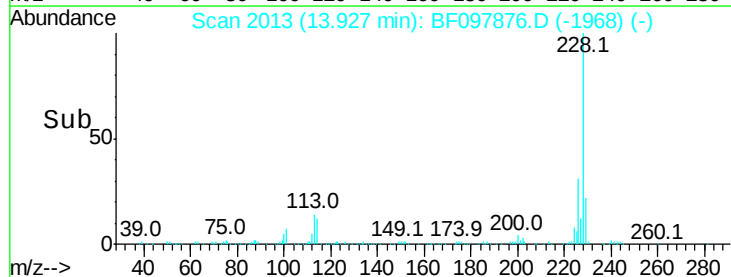
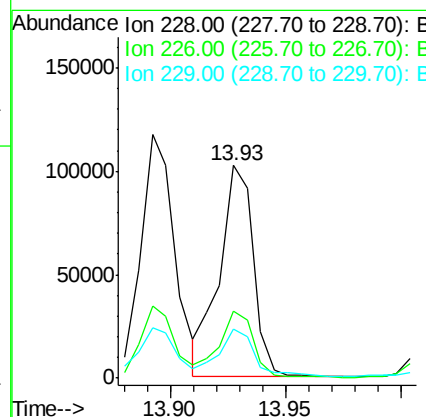
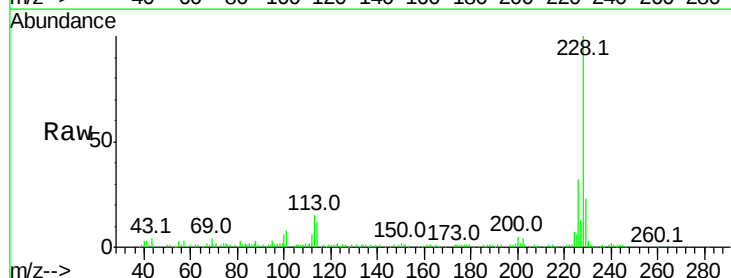
Manual Integrations
APPROVED

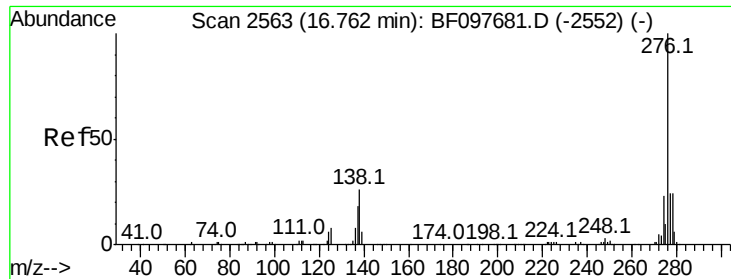
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#82
Chrysene
Concen: 5.114 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	104475		
226	31.6		24.9	37.3
229	23.1		15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.797 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.06 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

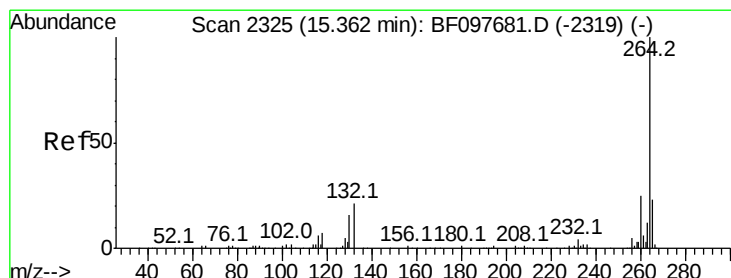
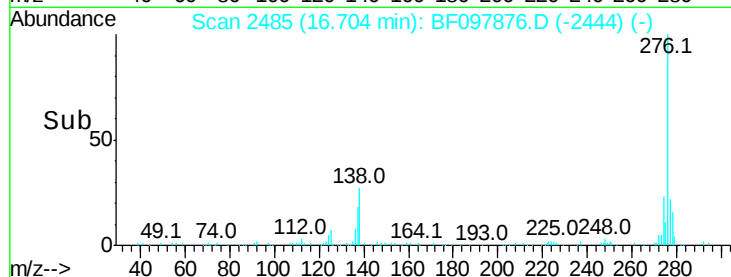
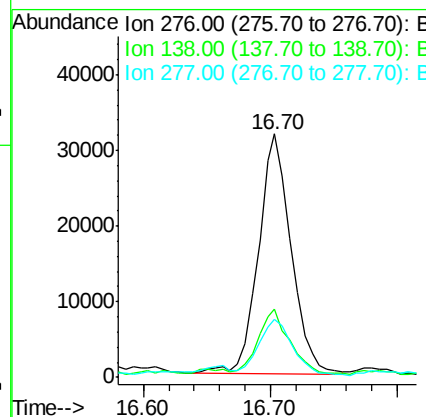
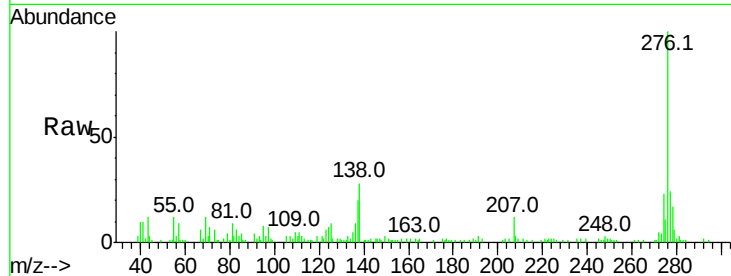
ClientSampleId :

VNJ-242

Tot Ion:	276	Resp:	57063
Ion Ratio	Lower	Upper	
276	100		
138	26.5	27.8	41.6#
277	24.2	20.2	30.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

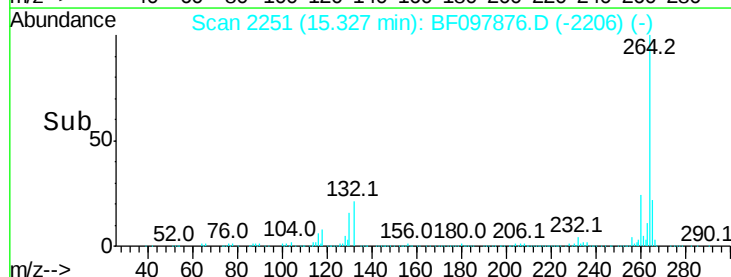
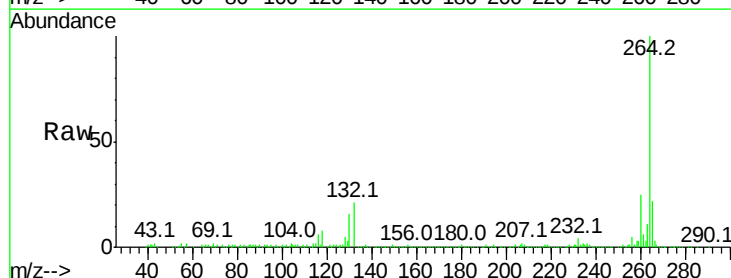
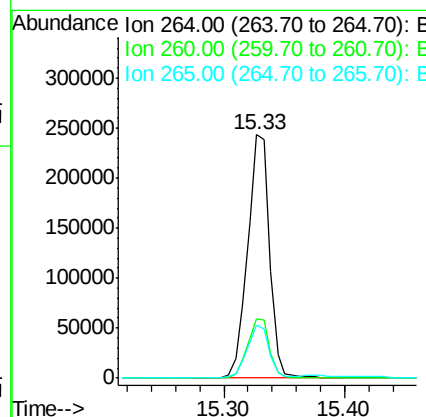
RT: 15.33 min Scan# 2251

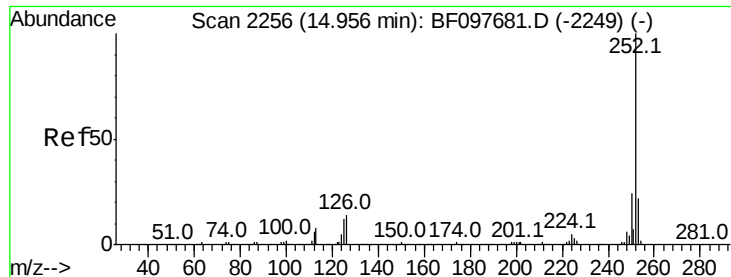
Delta R.T. -0.04 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Tgt Ion:	264	Resp:	311114
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.9	17.2	25.8





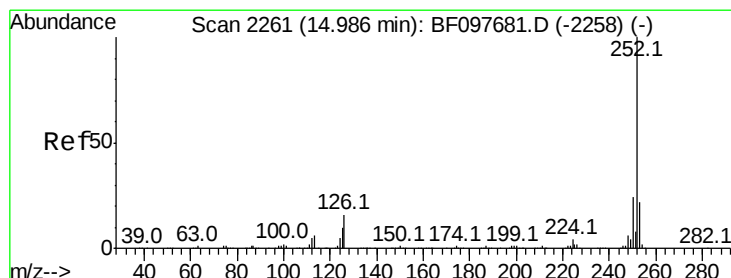
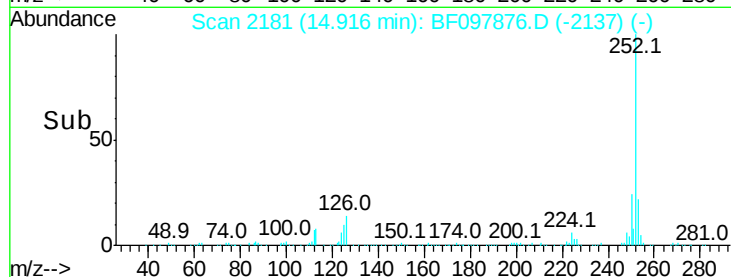
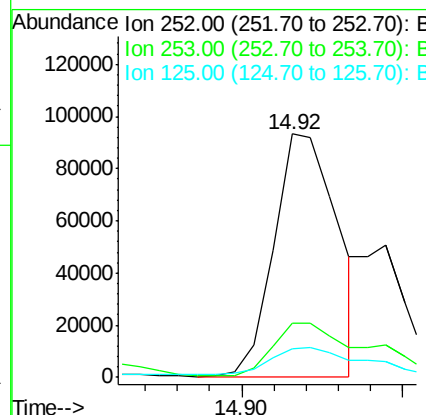
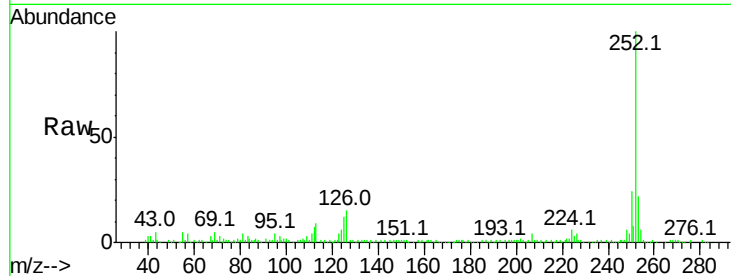
#87
Benzo(b)fluoranthene
Concen: 6.560 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.6	9.8	14.8

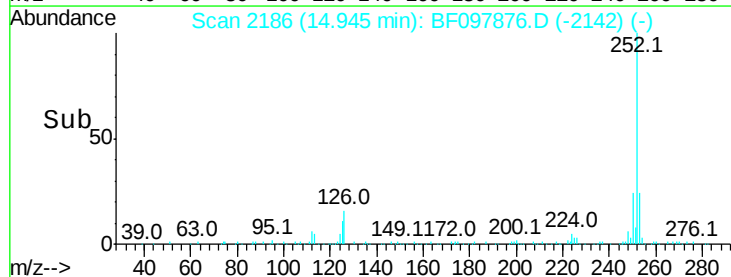
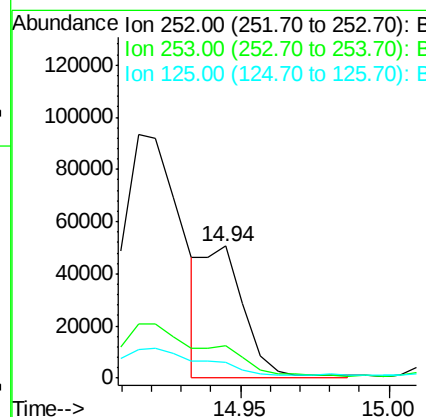
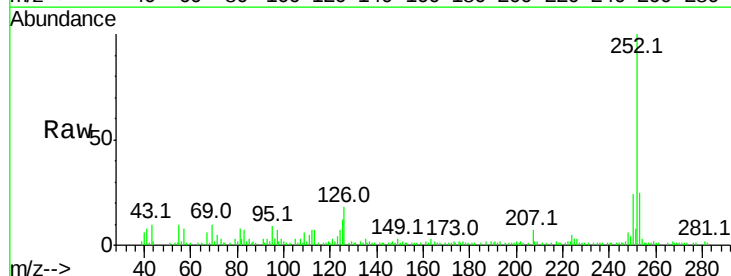
Manual Integrations
APPROVED

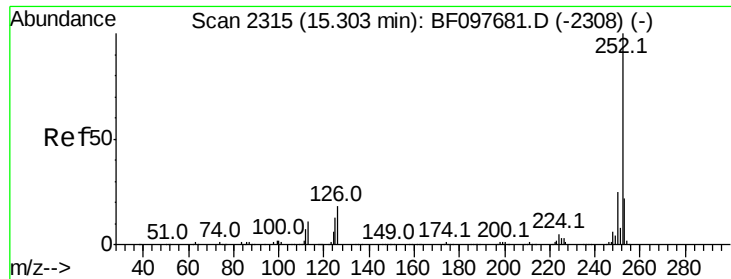
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#88
Benzo(k)fluoranthene
Concen: 2.718 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF097876.D
Acq: 19 Aug 2017 14:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.4	27.6
125	12.4	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 5.601 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.04 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Instrument :

BNA_F

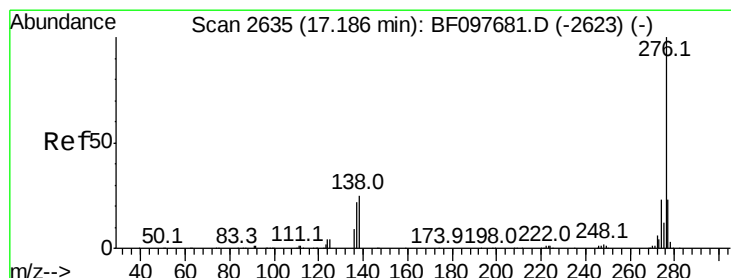
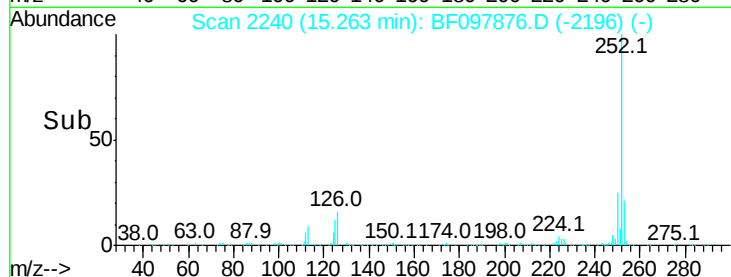
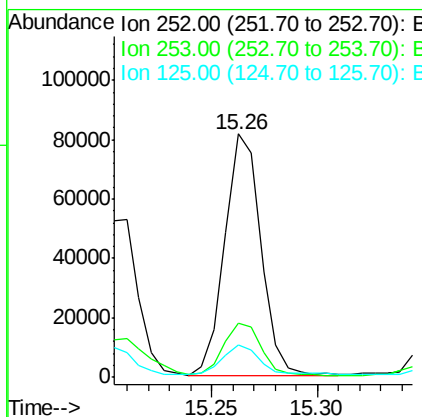
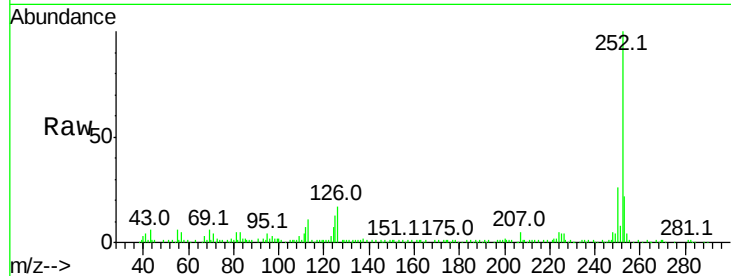
ClientSampled :

VNJ-242

Tot Ion:	252	Resp:	97236
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	13.5	11.0	16.4

Manual Integrations
APPROVED

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#91

Benzo(g,h,i)perylene

Concen: 3.622 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.07 min

Lab File: BF097876.D

Acq: 19 Aug 2017 14:03

Tgt Ion:	276	Resp:	53422
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.6	28.0
138	28.7	25.4	38.0

