

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097325.D
 Acq On : 3 Aug 2017 19:11
 Operator : SJ/JU
 Sample : I4541-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Manual Integrations
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 8/4/2017 5:30:18 PM

Quant Time: Aug 04 01:31:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	108594	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	444817	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	173844	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	283727	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	189044	20.00	ng	-0.07
86) Perylene-d12	14.90	264	173677	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	635499	88.22	ng	-0.06
7) Phenol-d6	6.12	99	822439	100.01	ng	-0.05
23) Nitrobenzene-d5	7.02	82	519104	68.46	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	139289	101.41	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	708760	69.19	ng	-0.07
78) Terphenyl-d14	12.52	244	510486	55.06	ng	-0.06
Target Compounds						
49) Dimethylphthalate	9.20	163	118044	8.942	ng	99
70) Phenanthrene	10.96	178	204951	13.482	ng	99
71) Anthracene	11.02	178	52185	3.352	ng	100
74) Fluoranthene	12.14	202	356121	23.912	ng	97
77) Pyrene	12.36	202	322878	20.863	ng	99
80) Benzo(a)anthracene	13.55	228	143432	11.726	ng	99
82) Chrysene	13.59	228	136168	11.400	ng	96
85) Indeno(1,2,3-cd)pyrene	16.10	276	70496	6.883	ng	99
87) Benzo(b)fluoranthene	14.55	252	187122m	17.923	ng	
88) Benzo(k)fluoranthene	14.57	252	35925m	3.611	ng	
89) Benzo(a)pyrene	14.85	252	114546	11.988	ng	# 95
90) Dibenzo(a,h)anthracene	16.10	278	16908m	2.158	ng	
91) Benzo(a,h,i)perylene	16.46	276	72691	8.846	ng	99

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

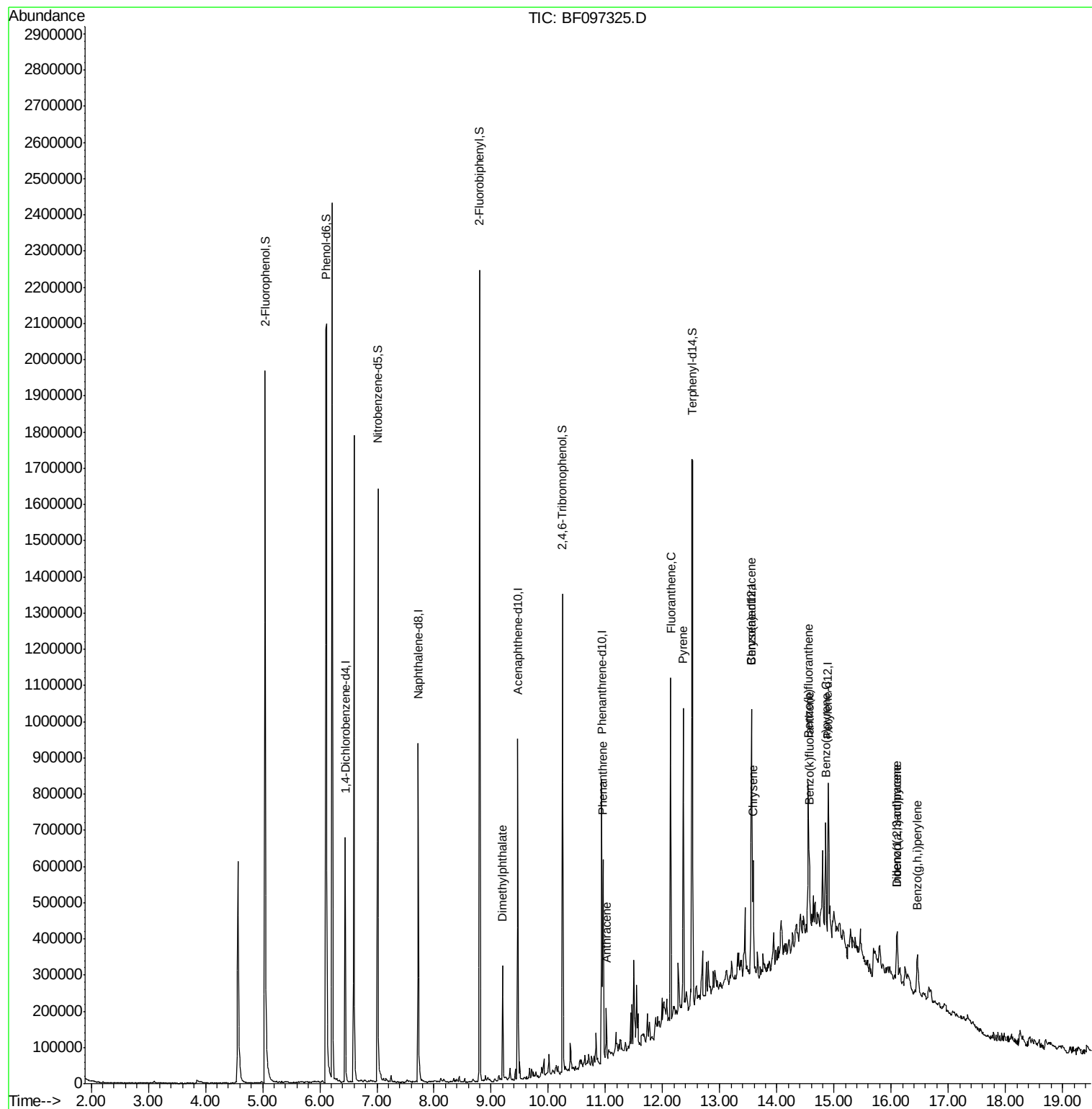
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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ALS Vial : 5 Sample Multiplier: 1

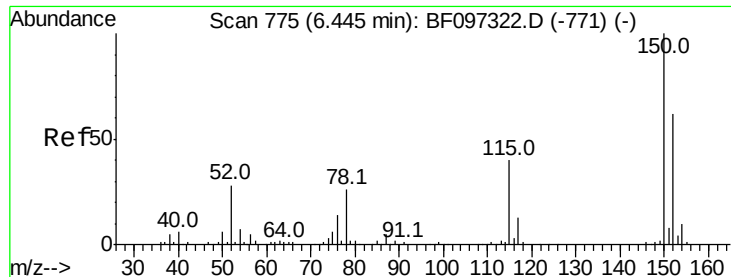
Instrument :
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Quant Time: Aug 04 01:31:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

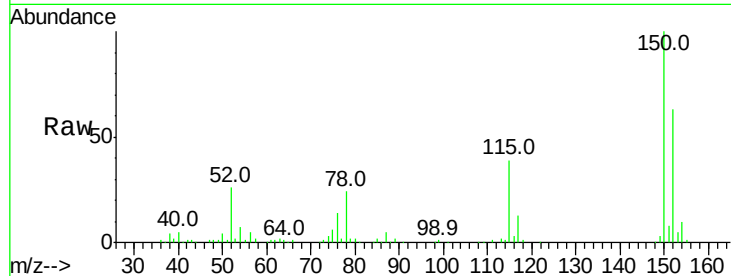
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampleId :
VNJ-229

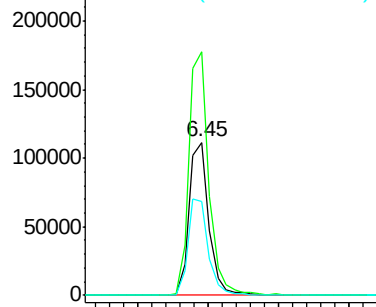
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	61.2	52.2	78.2

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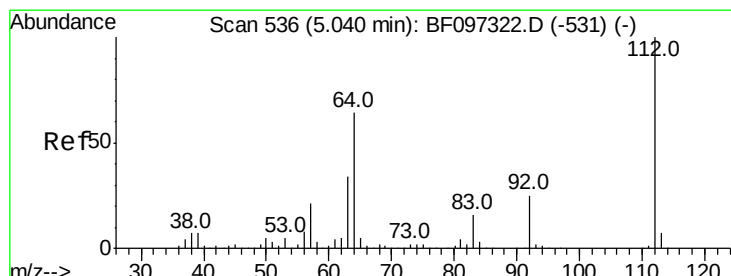
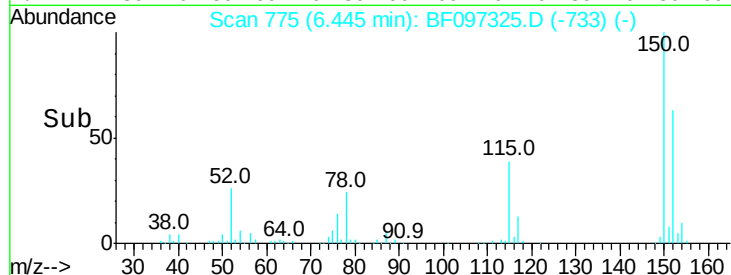
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



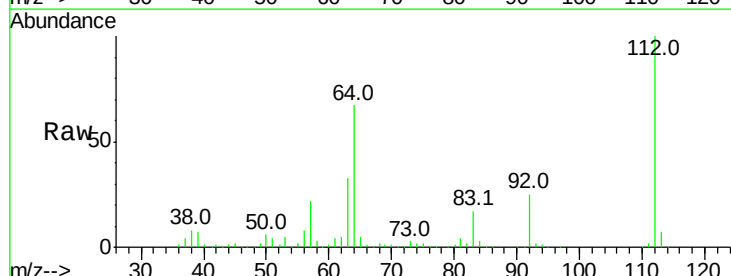
Time-->



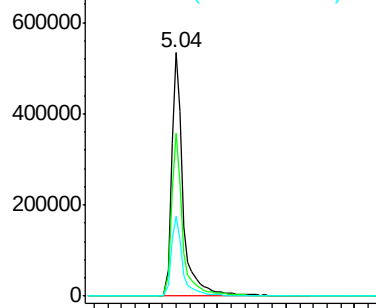
#5

2-Fluorophenol
Concen: 88.219 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

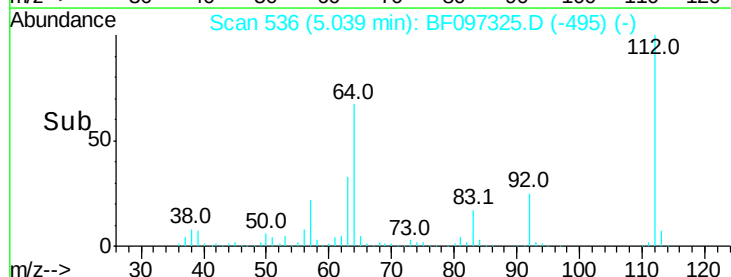
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	32.8	23.4	35.0

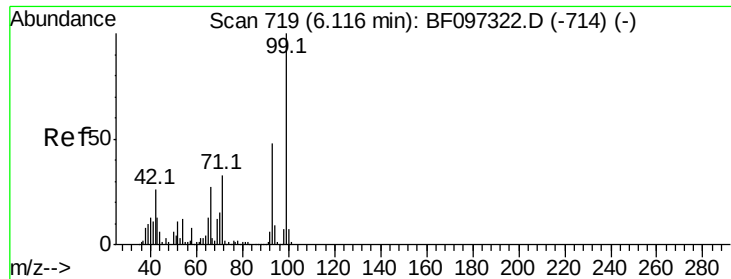


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 100.007 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

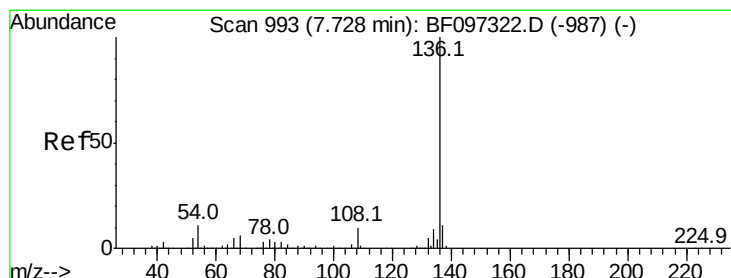
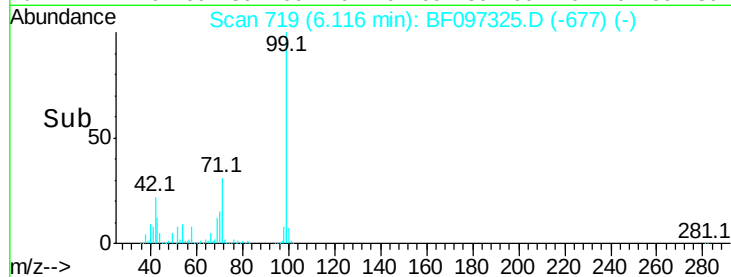
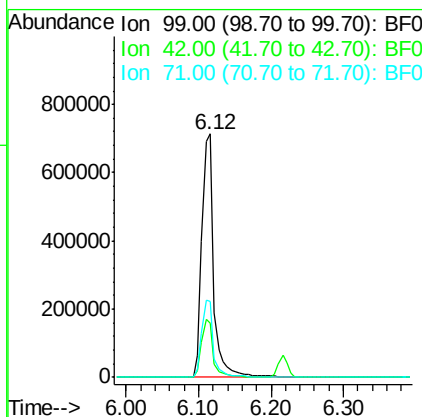
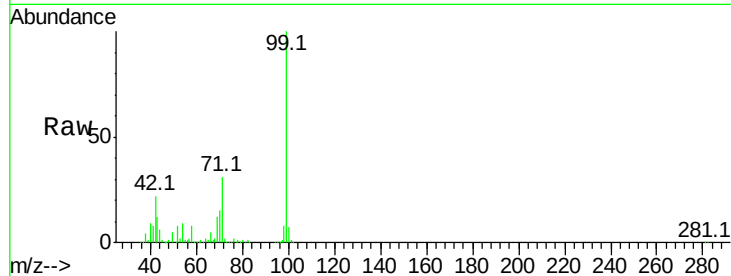
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Tot Ion: 99 Resp: 822439

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.73 min Scan# 993

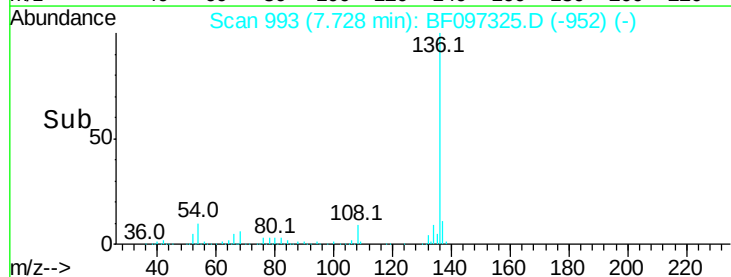
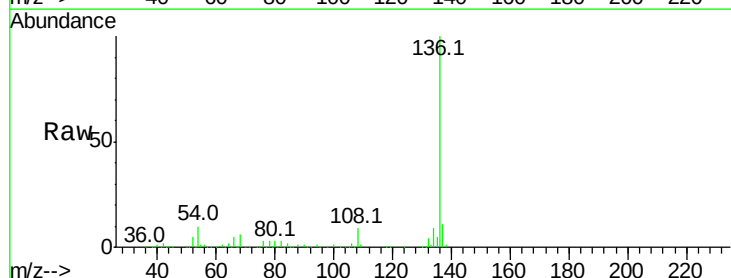
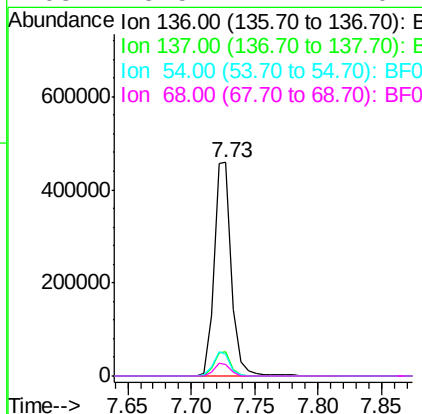
Delta R.T. -0.06 min

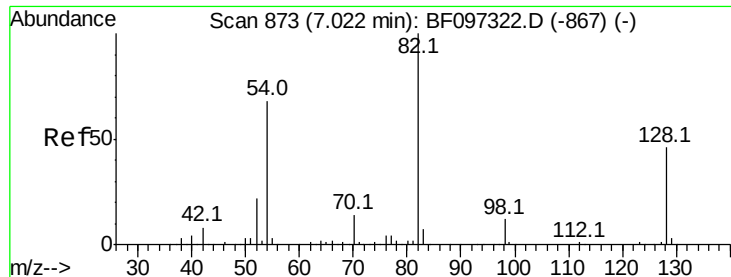
Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Tgt Ion: 136 Resp: 444817

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.0	4.9	7.3#
68	5.5	4.1	6.1





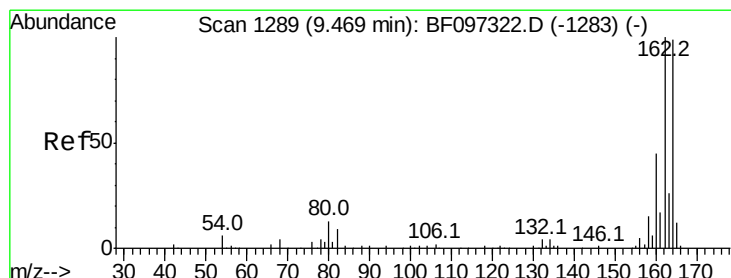
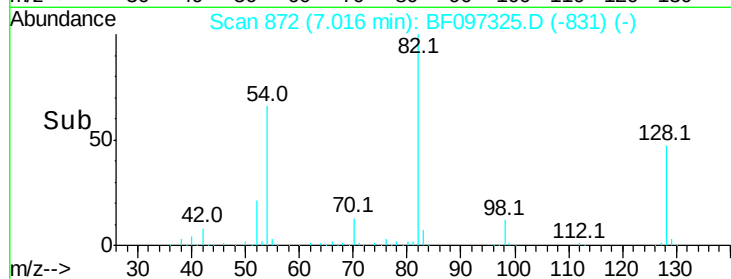
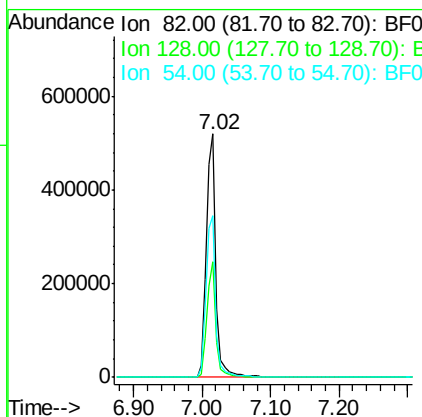
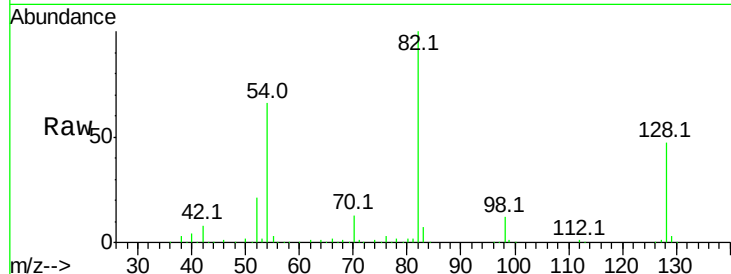
#23
 Nitrobenzene-d5
 Concen: 68.461 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampled :
 VNJ-229

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.3	34.0	51.0	
54	66.4	42.2	63.2	

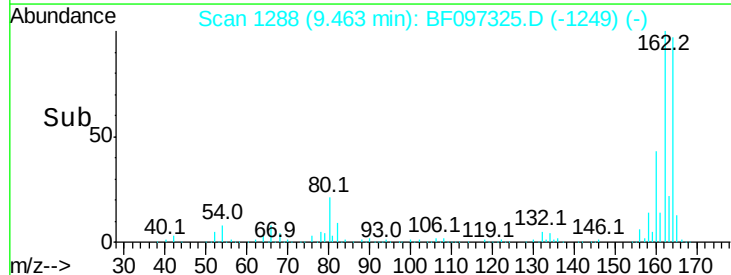
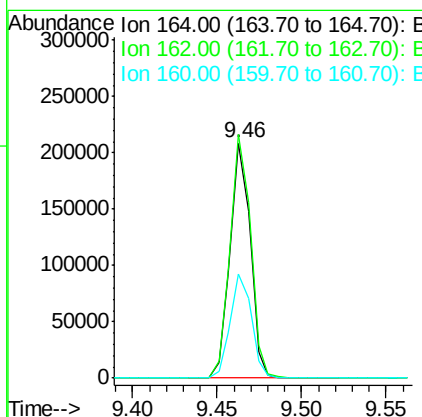
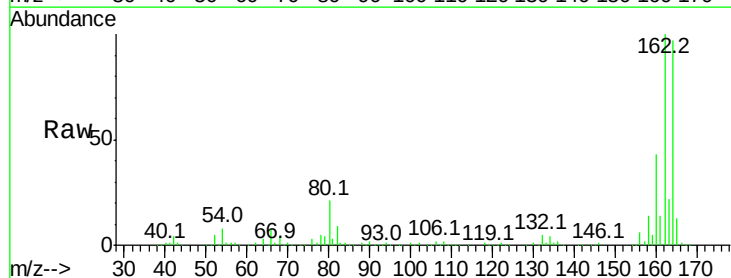
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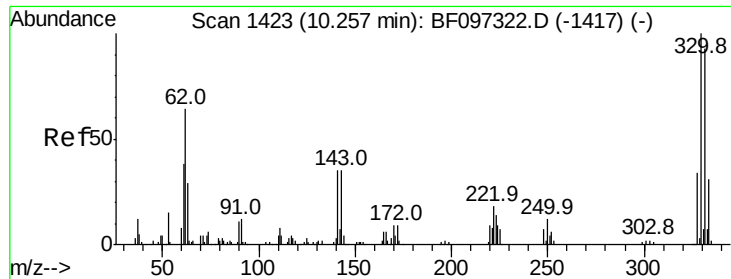
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	82.6	123.8	
160	44.4	36.2	54.2	





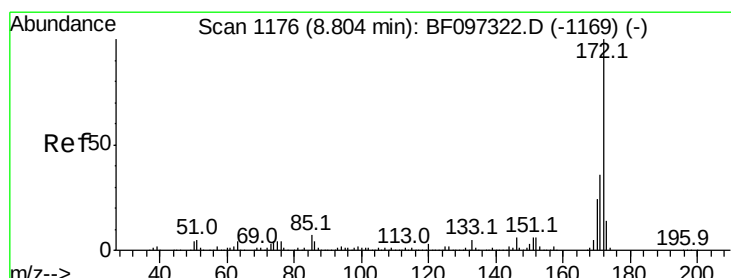
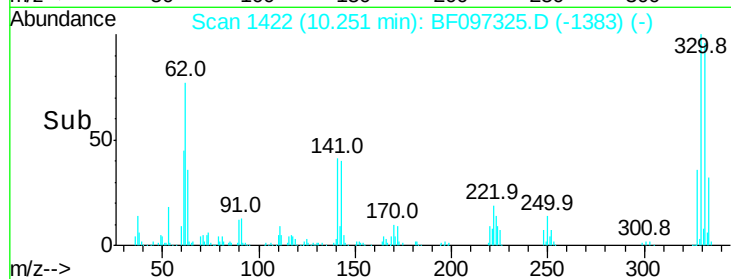
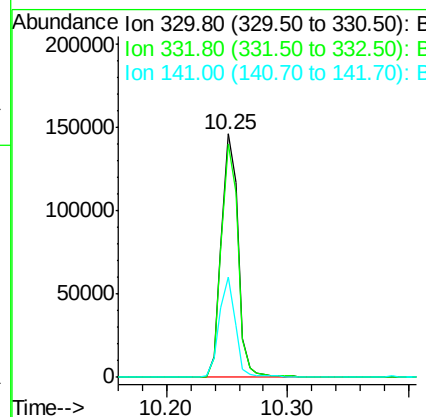
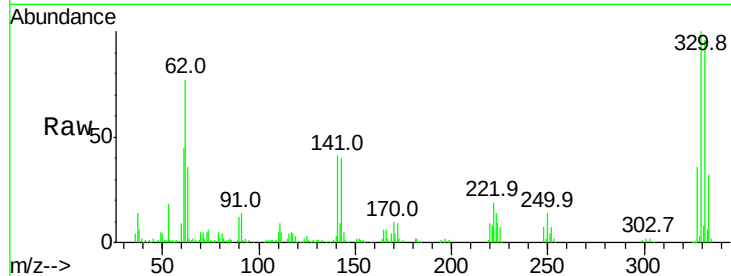
#41
 2,4,6-Tribromophenol
 Concen: 101.409 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.6	115.0	
141	40.2	31.4	47.2	

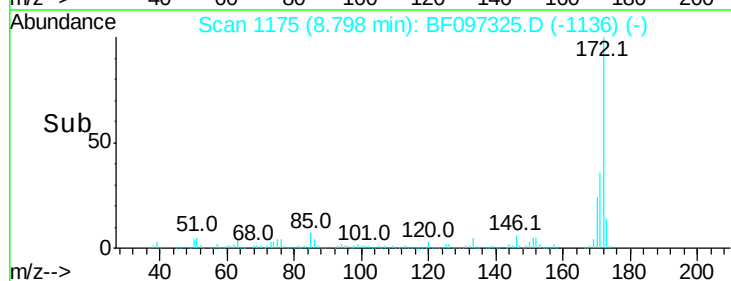
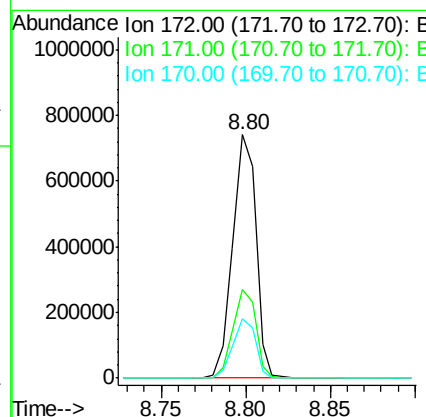
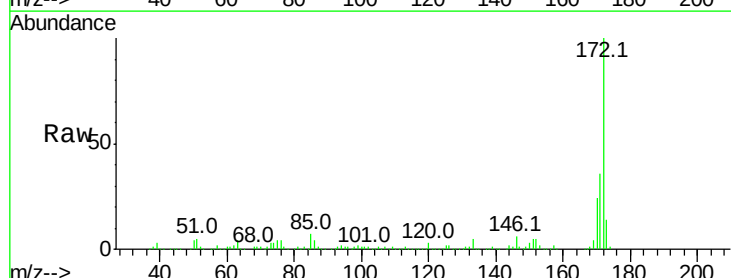
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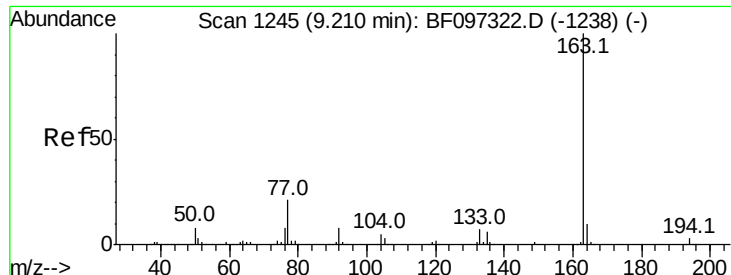
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#44
 2-Fluorobiphenyl
 Concen: 69.190 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.4	29.6	44.4	
170	24.2	19.8	29.8	





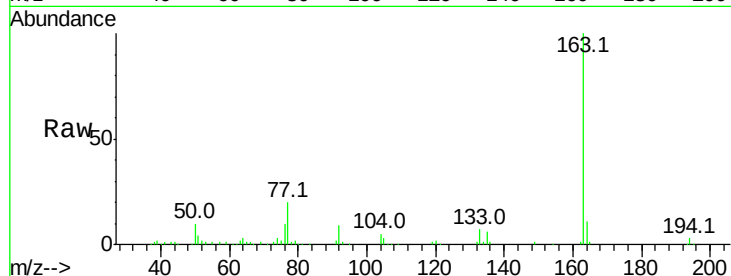
#49
Dimethylphthalate
Concen: 8.942 ng
RT: 9.20 min Scan# 1243
Delta R.T. -0.08 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampleId :
VNJ-229

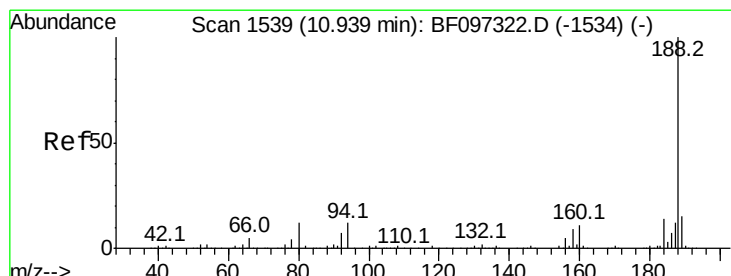
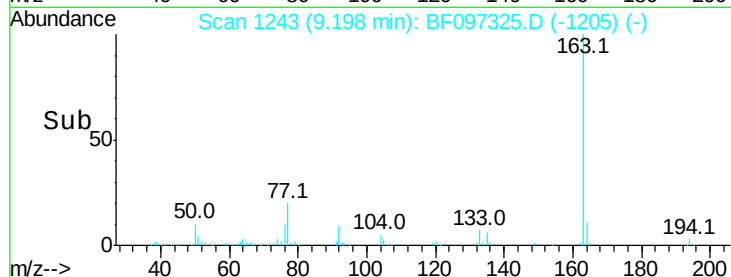
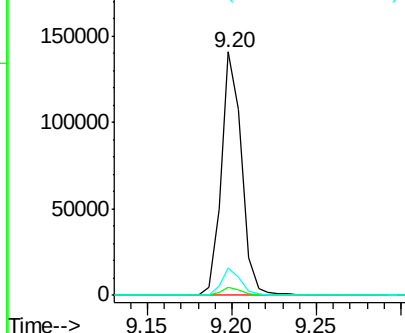
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	11.0	8.4	12.6	

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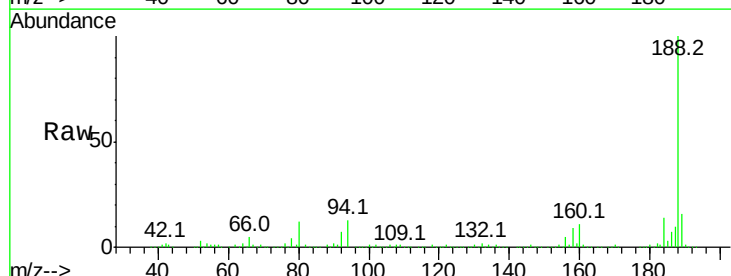


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

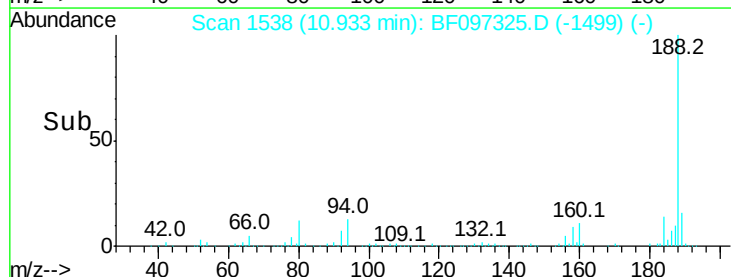
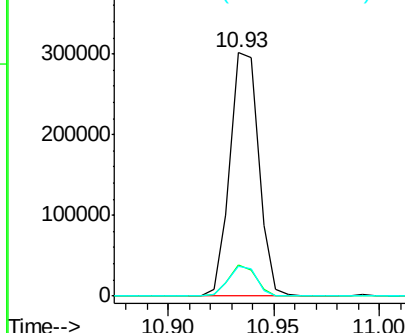


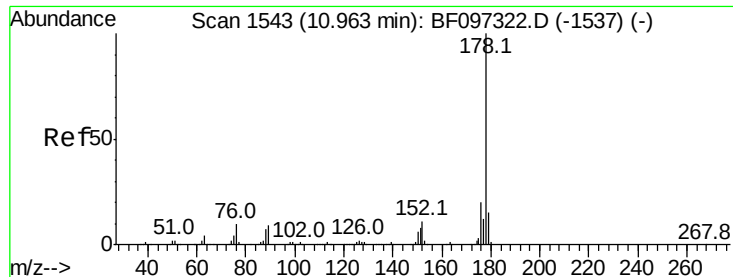
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1538
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.8	9.4	14.2	
80	12.4	10.2	15.2	



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: 13.482 ng

RT: 10.96 min Scan# 1542

Delta R.T. -0.07 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

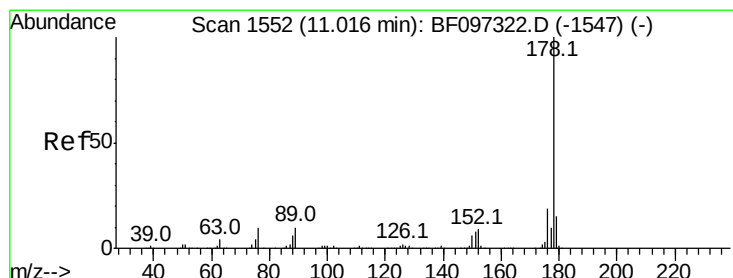
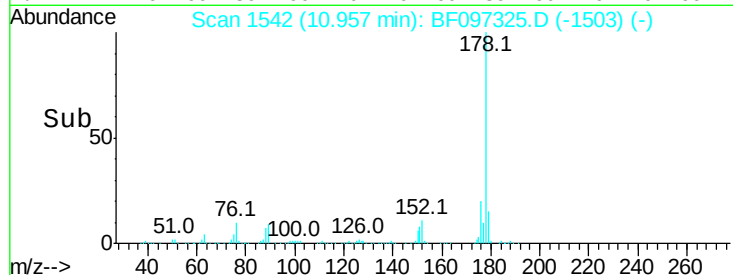
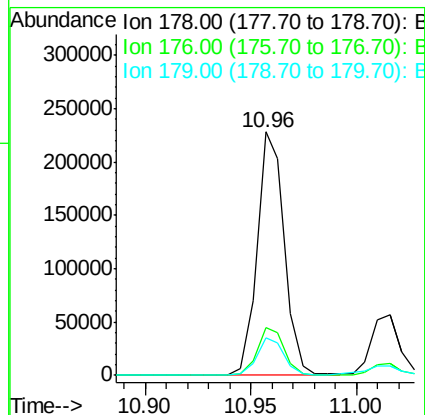
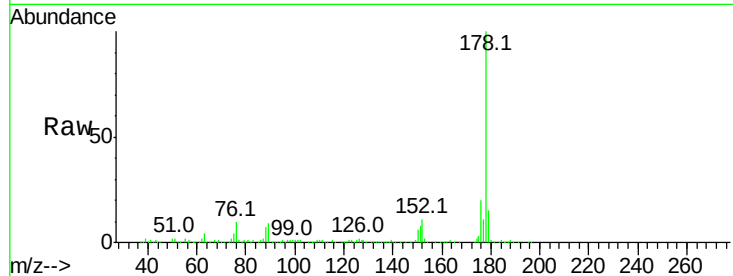
ClientSampleId :

VNJ-229

Tot Ion:	178	Resp:	204951
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.2	24.4
179	15.2	12.6	19.0

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#71

Anthracene

Concen: 3.352 ng

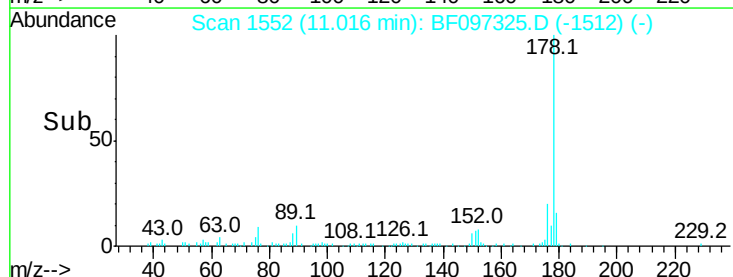
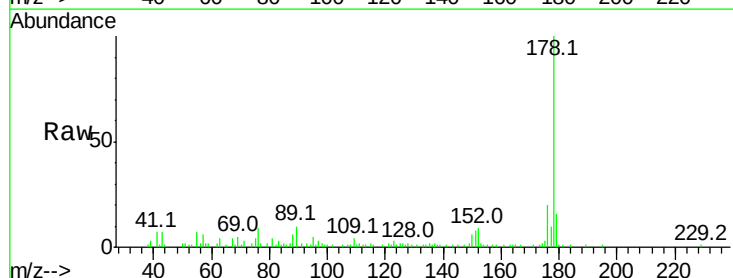
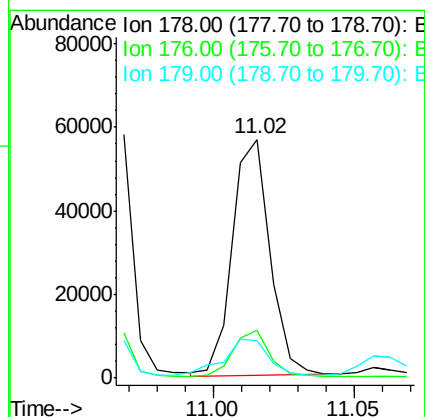
RT: 11.02 min Scan# 1552

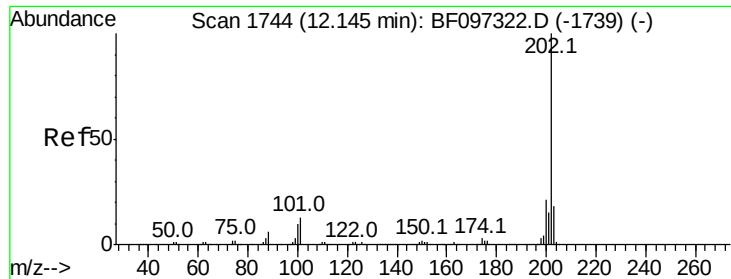
Delta R.T. -0.06 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Tgt Ion:	178	Resp:	52185
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.5	12.7	19.1





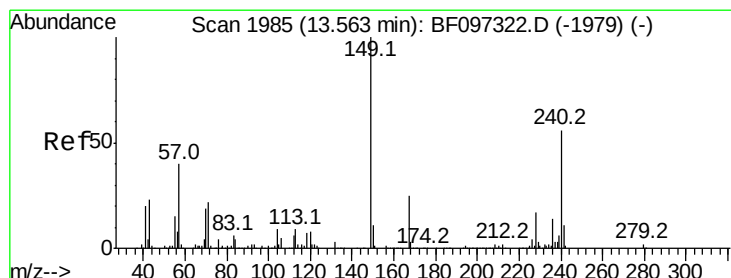
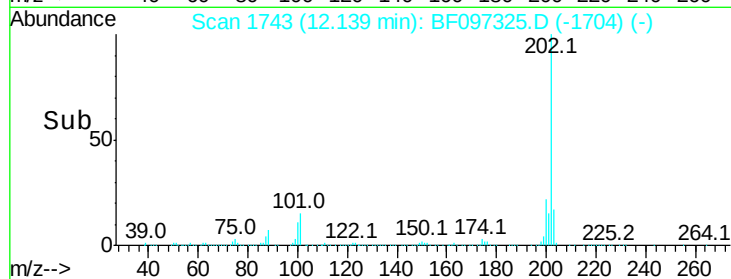
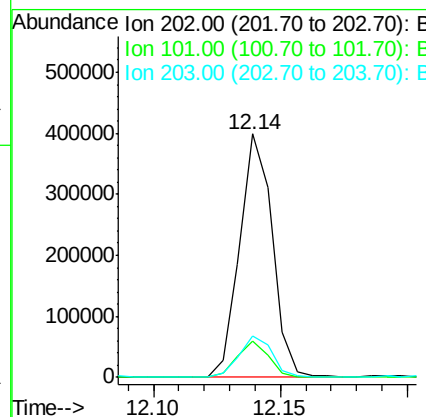
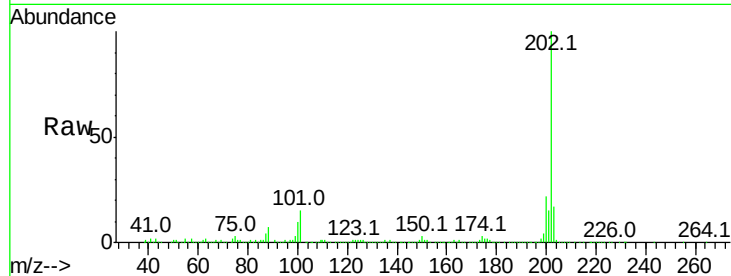
#74
Fluoranthene
Concen: 23.912 ng
RT: 12.14 min Scan# 1743
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampled :
VNJ-229

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.1	0.0	33.2
203	17.2	0.0	38.1

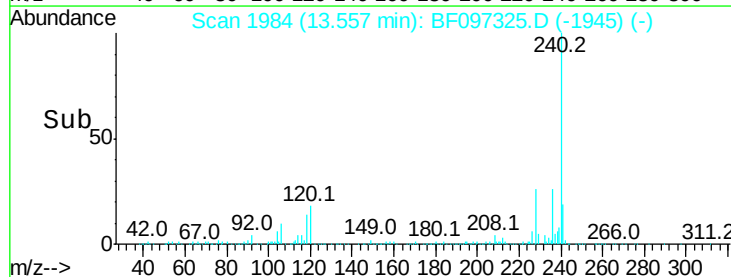
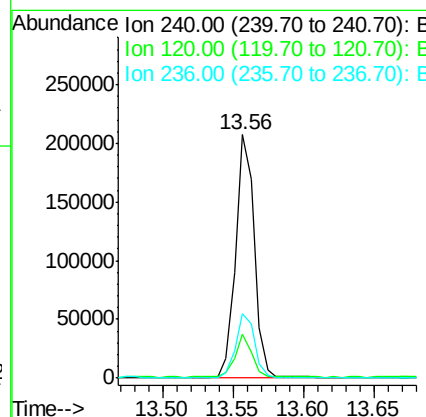
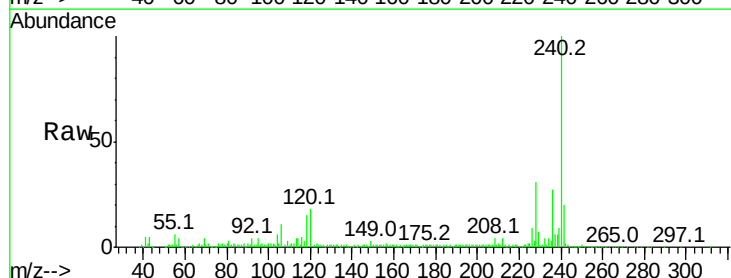
Manual Integrations
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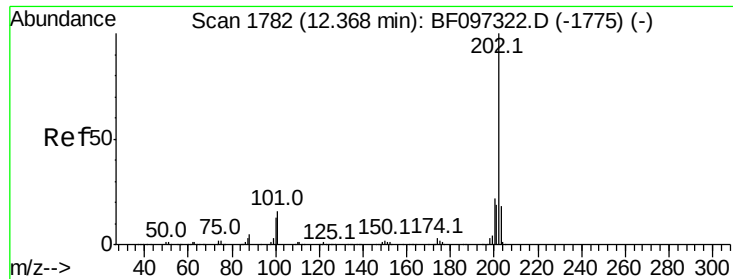
Sohil
8/4/2017 5:30:18 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.9	5.8	8.8#
236	26.5	20.5	30.7





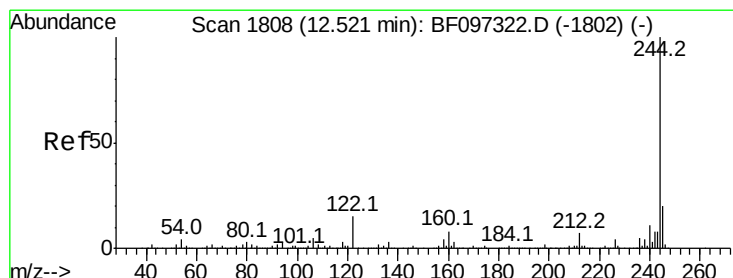
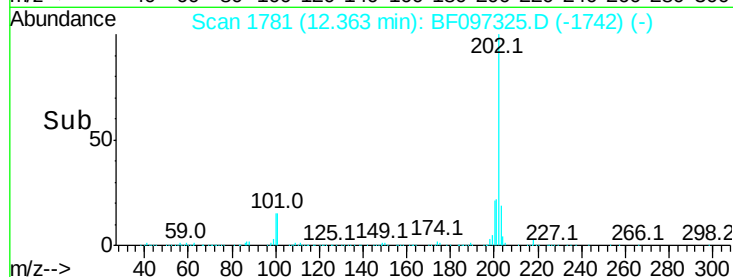
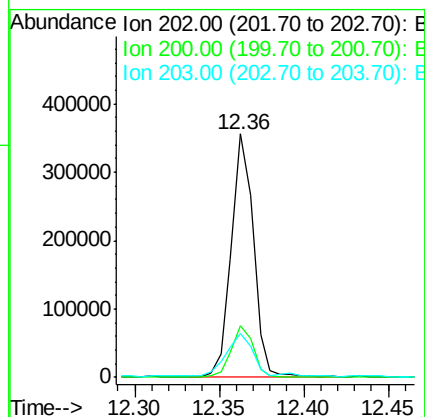
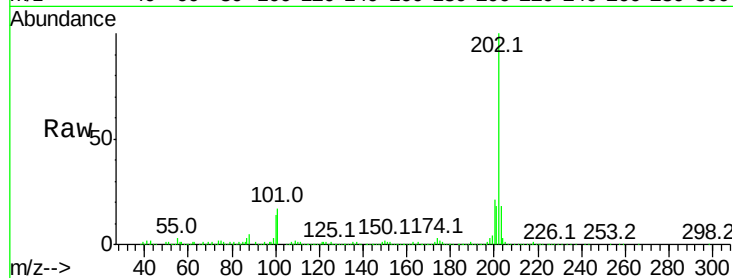
#77
Pvrene
Concen: 20.863 ng
RT: 12.36 min Scan# 1781
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampleId :
VNJ-229

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.6	26.4	
203	18.3	14.4	21.6	

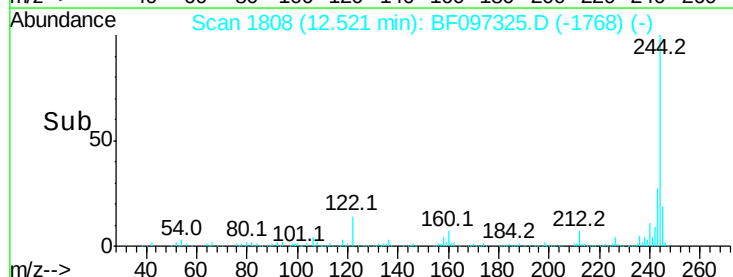
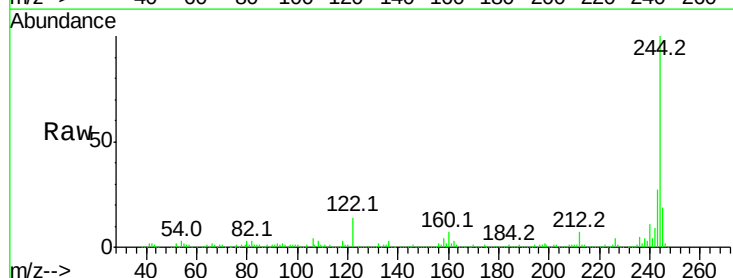
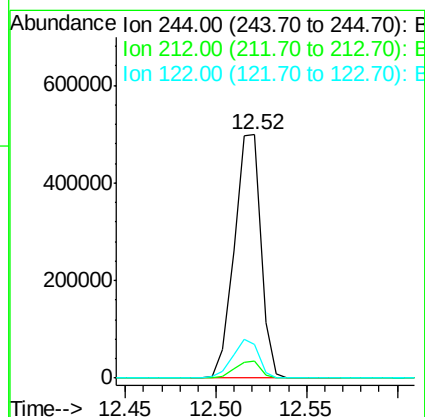
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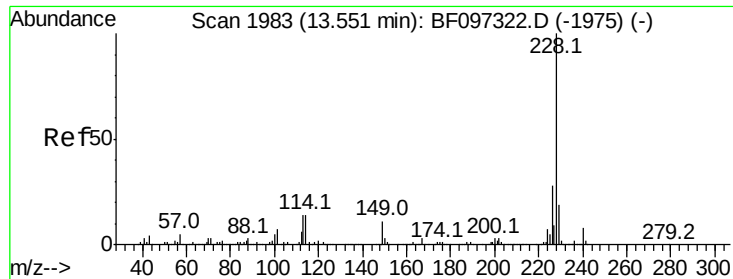
Sohil
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#78
Terphenyl-d14
Concen: 55.056 ng
RT: 12.52 min Scan# 1808
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	6.0	9.0	
122	13.7	10.3	15.5	





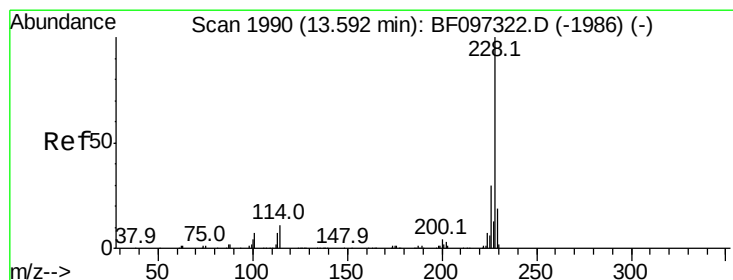
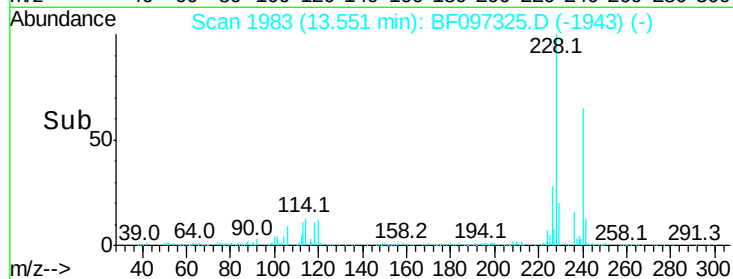
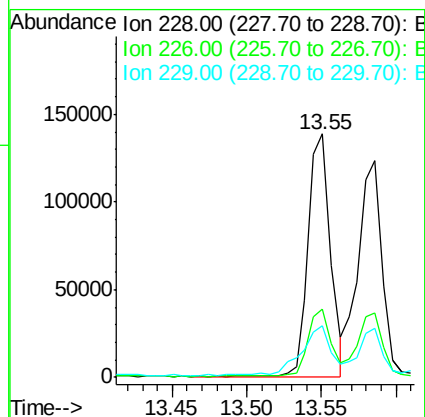
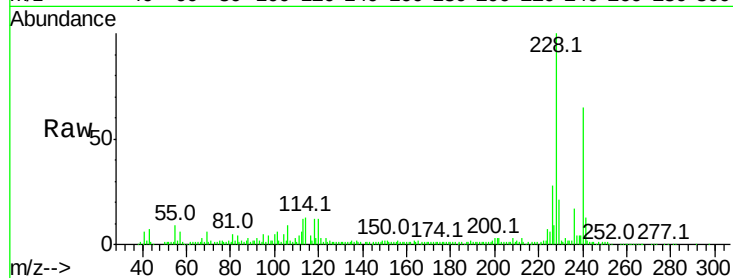
#80
Benzo(a)anthracene
Concen: 11.726 ng
RT: 13.55 min Scan# 1983
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampled :
VNJ-229

Tot Ion	Ratio	Resp	Lower	Upper
228	100	143432		
226	28.2		22.6	33.8
229	21.3		16.3	24.5

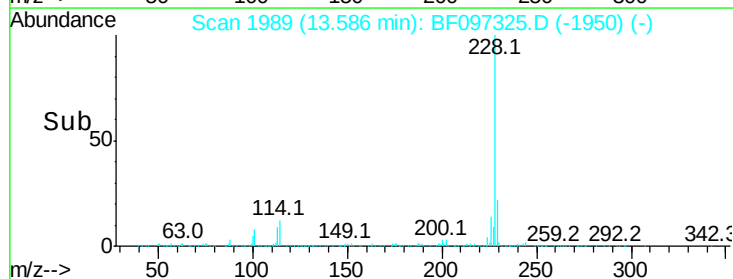
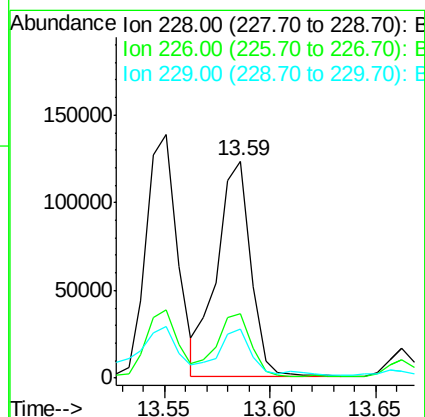
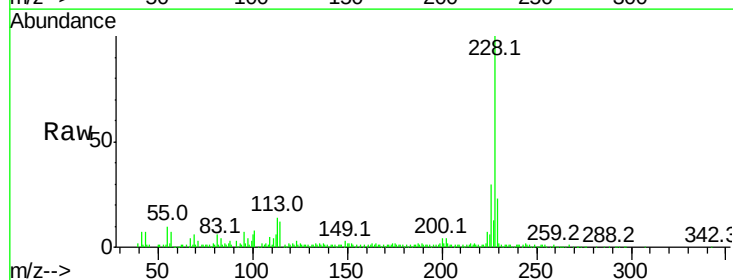
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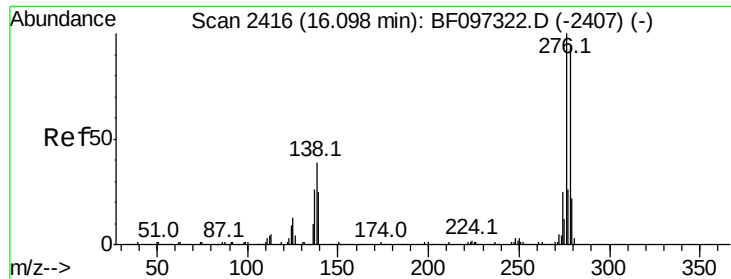
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#82
Chrysene
Concen: 11.400 ng
RT: 13.59 min Scan# 1989
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	136168		
226	29.8		24.9	37.3
229	22.5		15.8	23.6





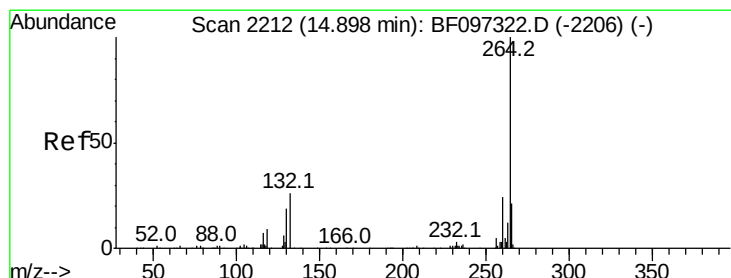
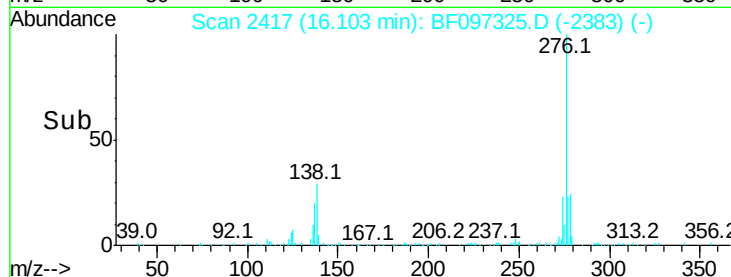
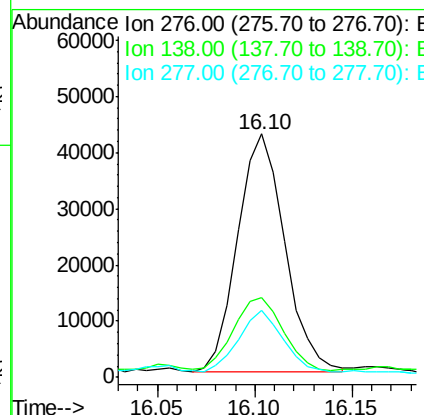
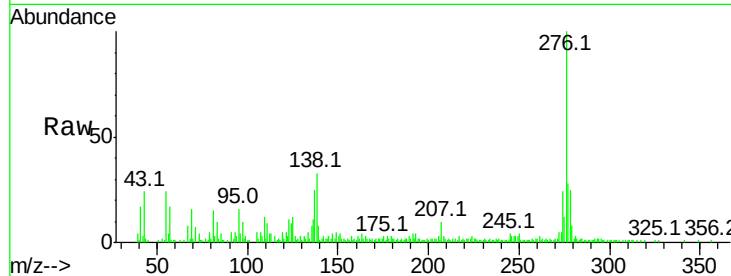
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.883 ng
 RT: 16.10 min Scan# 2417
 Delta R.T. -0.10 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampled :
 VNJ-229

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.1	27.8	41.6
277	24.3	20.2	30.4

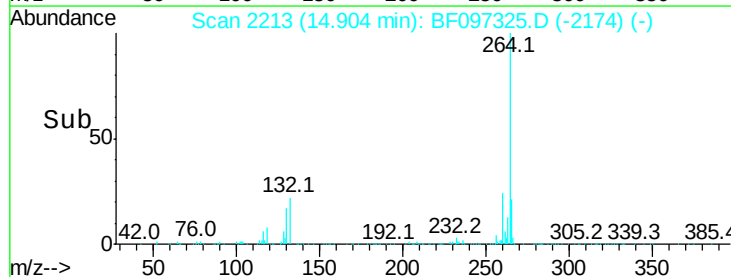
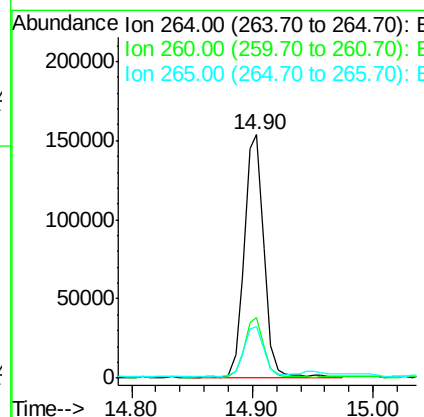
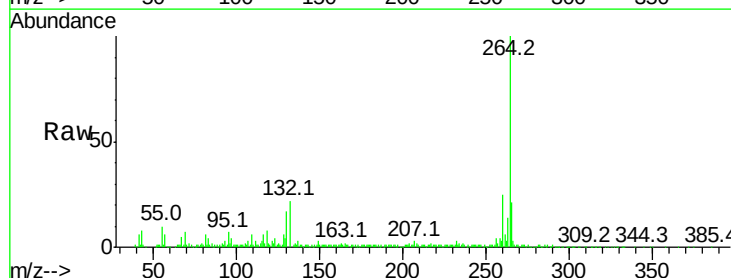
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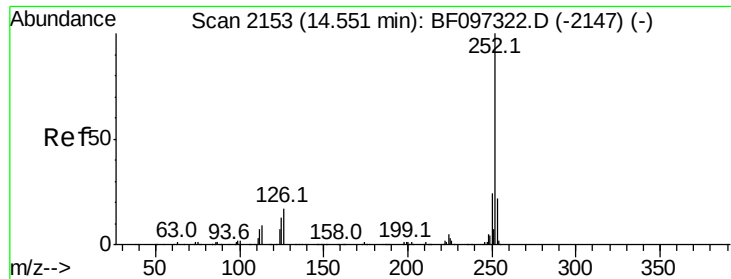
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.90 min Scan# 2213
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.923 ng m

RT: 14.55 min Scan# 2153

Delta R.T. -0.06 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

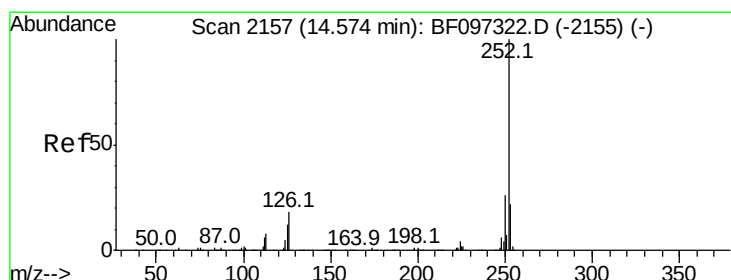
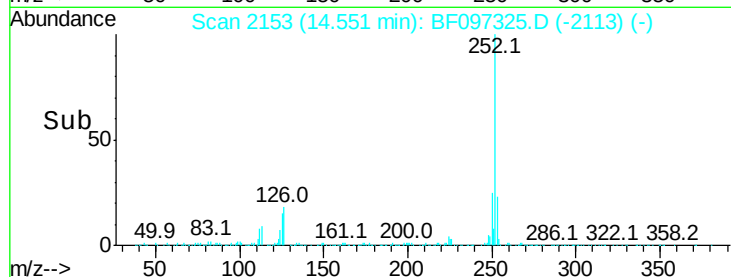
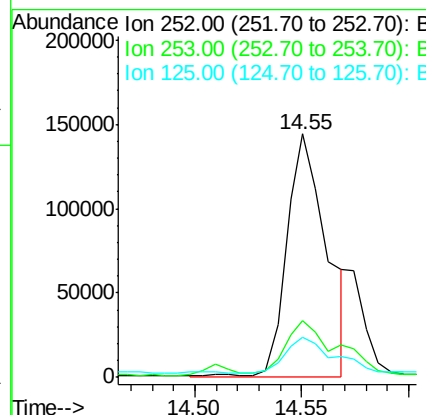
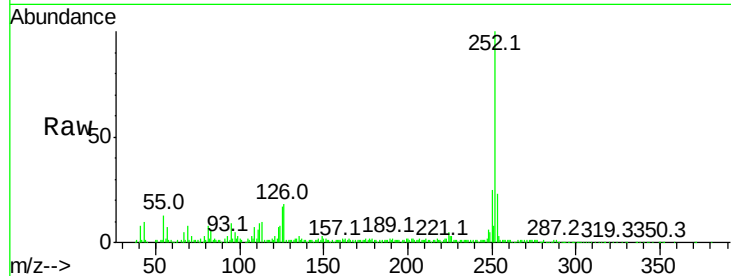
ClientSampleId :

VNJ-229

Tot Ion	Ratio	Resp	Lower	Upper
252	100	187122		
253	23.4	18.1	27.1	
125	16.6	9.8	14.8	

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.611 ng m

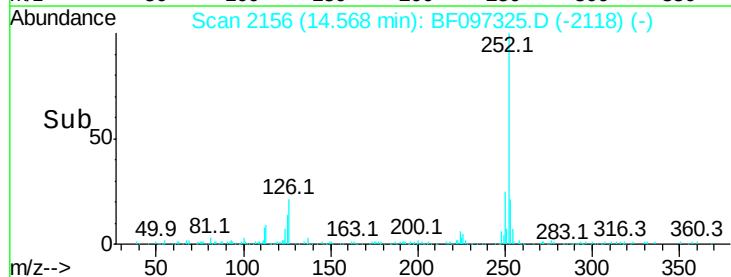
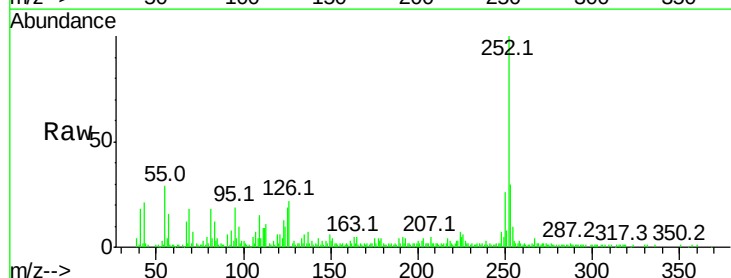
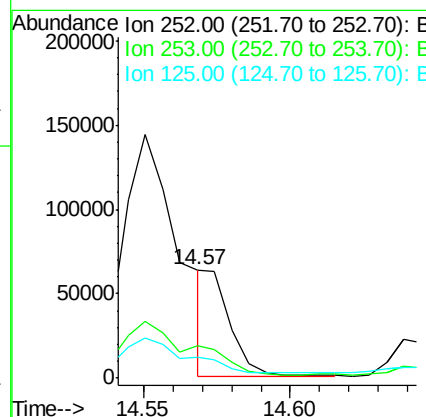
RT: 14.57 min Scan# 2156

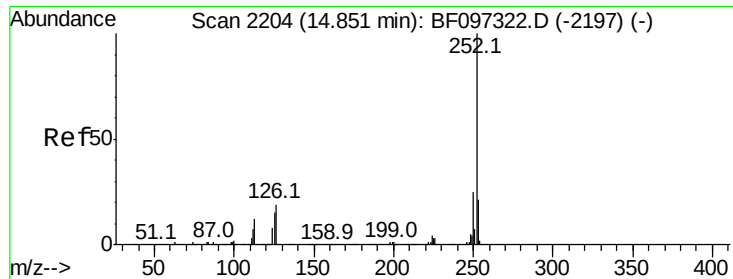
Delta R.T. -0.08 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	35925		
253	30.2	18.4	27.6	
125	18.9	13.1	19.7	





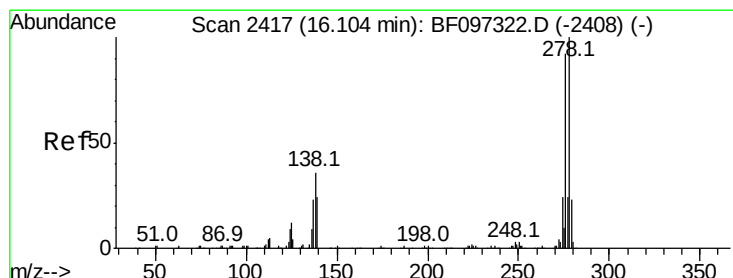
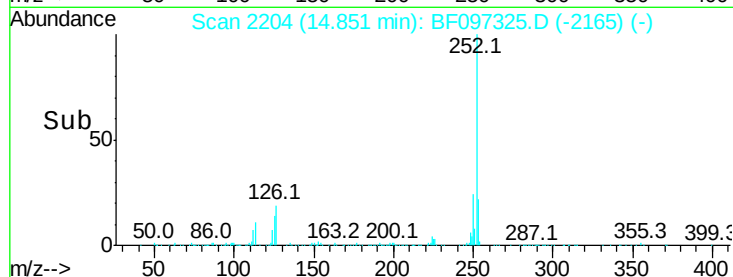
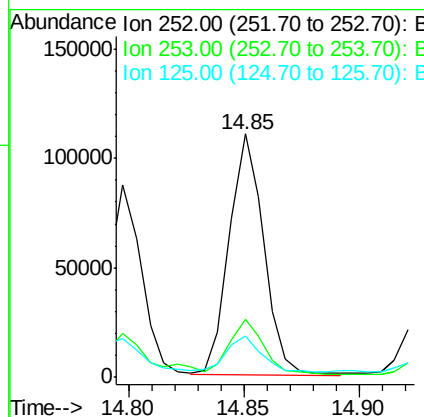
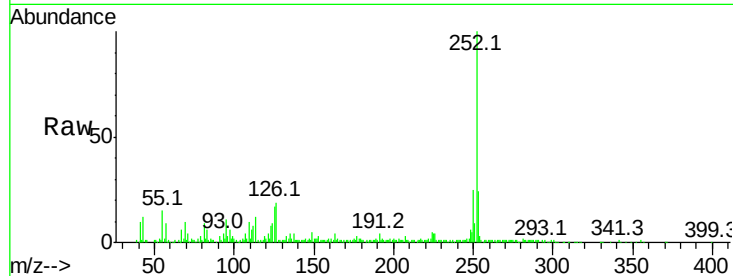
#89
Benzo(a)pyrene
Concen: 11.988 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampleId :
VNJ-229

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.5	26.3
125	17.0	11.0	16.4

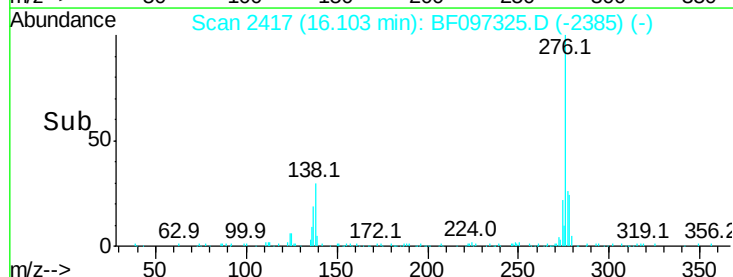
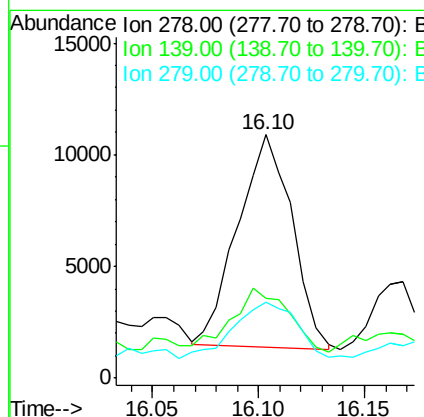
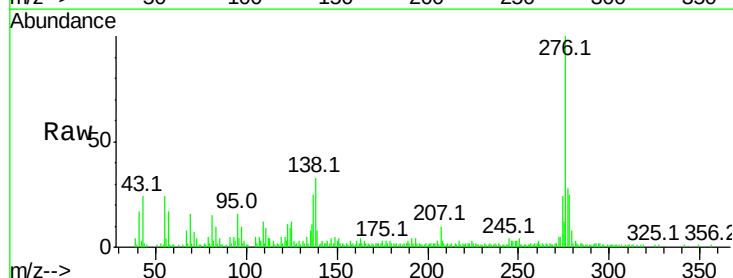
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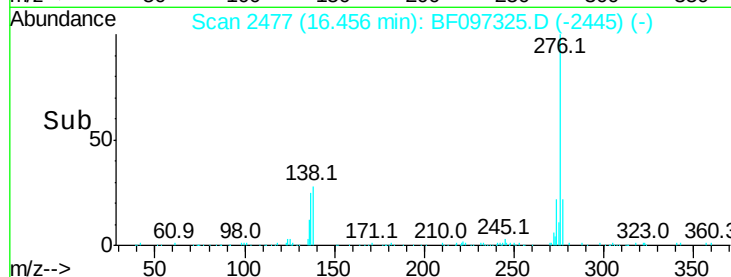
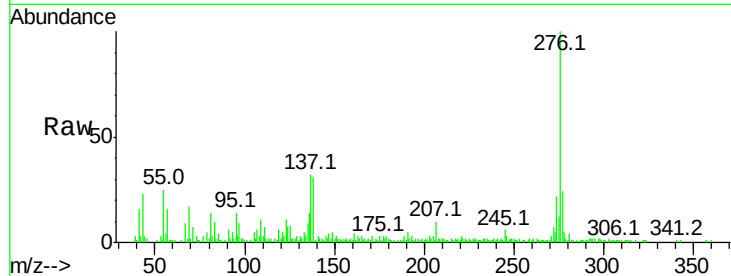
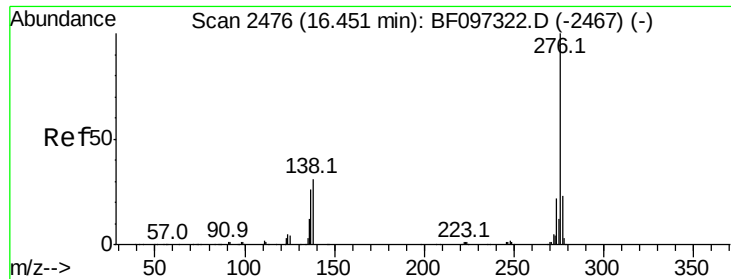
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#90
Dibenzo(a,h)anthracene
Concen: 2.158 ng m
RT: 16.10 min Scan# 2417
Delta R.T. -0.11 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	32.7	16.6	24.8
279	31.4	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 8.846 ng

RT: 16.46 min Scan# 2477

Delta R.T. -0.11 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

VNJ-229

Tot Ion:	276	Resp:	72691
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	31.2	25.4	38.0

Manual Integrations
APPROVED

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8/4/2017 5:30:18 PM

