

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095428.D
 Acq On : 25 May 2017 17:43
 Operator : SJ/MA
 Sample : I3348-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225/289/330/139/15532/VNJ-23

Manual Integrations
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Quant Time: May 26 02:31:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96643	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	414389	20.00	ng	-0.02
38) Acenaphthene-d10	12.59	164	184344	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	288539	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	191797	20.00	ng	-0.02
86) Perylene-d12	20.36	264	172834	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	668320	115.29	ng	-0.03
7) Phenol-d6	7.29	99	815609	117.27	ng	-0.02
23) Nitrobenzene-d5	8.65	82	465479	70.83	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	156147	103.43	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	828377	64.68	ng	-0.02
78) Terphenyl-d14	17.32	244	476033	54.67	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.80	128	58186	2.79	ng	98
49) Dimethylphthalate	12.24	163	156431	10.34	ng	100
51) Acenaphthene	12.65	154	68416	5.84	ng	96
54) Dibenzofuran	12.95	168	40922	2.52	ng	99
57) Fluorene	13.49	166	79132	5.61	ng	99
70) Phenanthrene	15.04	178	618474	37.31	ng	98
71) Anthracene	15.12	178	180255	10.64	ng	95
72) Carbazole	15.42	167	38809	2.52	ng	97
74) Fluoranthene	16.79	202	824088	48.46	ng	99
77) Pyrene	17.09	202	877174	61.15	ng	97
80) Benzo(a)anthracene	18.67	228	363145	32.53	ng	98
82) Chrysene	18.71	228	354785m	32.87	ng	
85) Indeno(1,2,3-cd)pyrene	21.69	276	131353	14.99	ng	# 90
87) Benzo(b)fluoranthene	19.95	252	363980m	34.08	ng	
88) Benzo(k)fluoranthene	19.97	252	130731m	12.69	ng	
89) Benzo(a)pyrene	20.30	252	291736	29.60	ng	95
90) Dibenzo(a,h)anthracene	21.69	278	30652	3.77	ng	# 77
91) Benzo(g,h,i)perylene	22.08	276	123057	15.41	ng	95

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

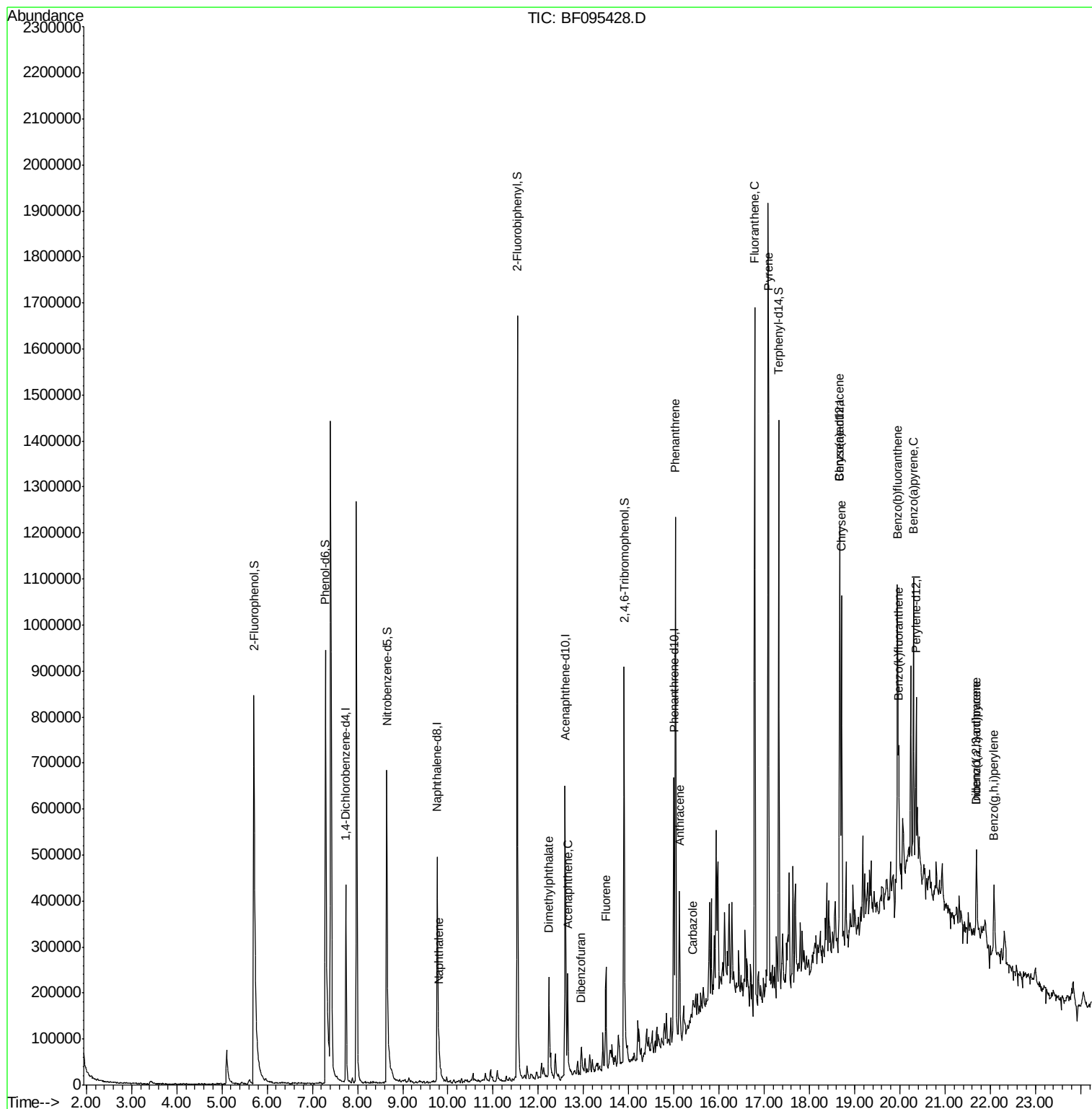
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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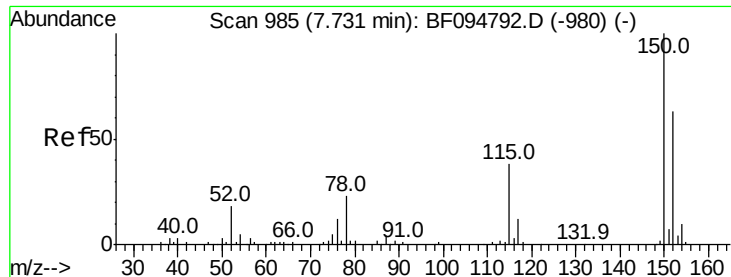
Instrument :
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VNJ-225/289/330/139/15532/VNJ-23

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#1

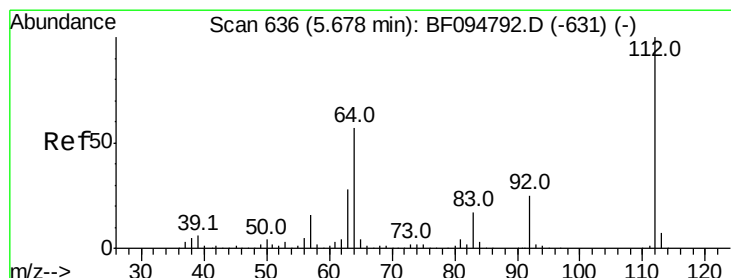
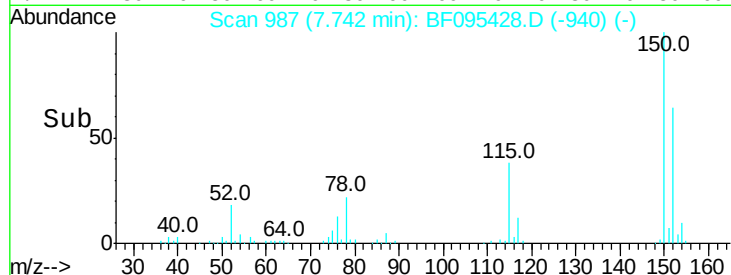
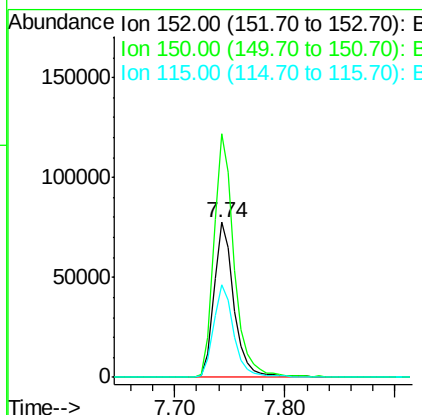
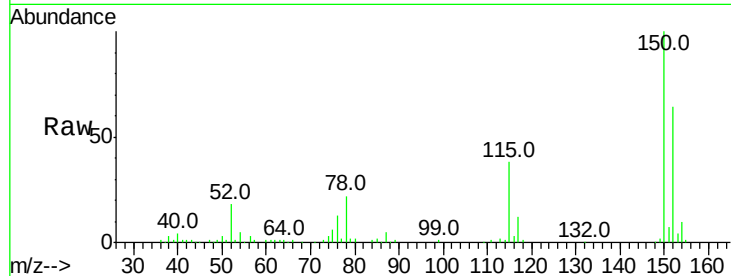
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	59.9	52.2	78.2

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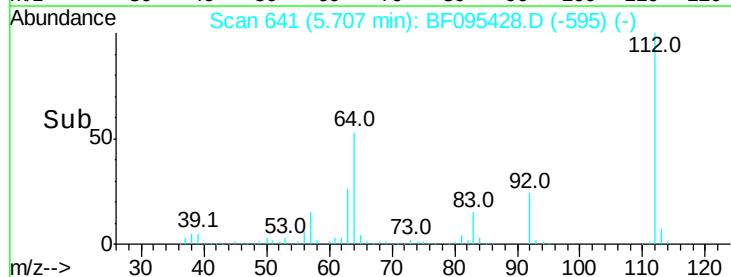
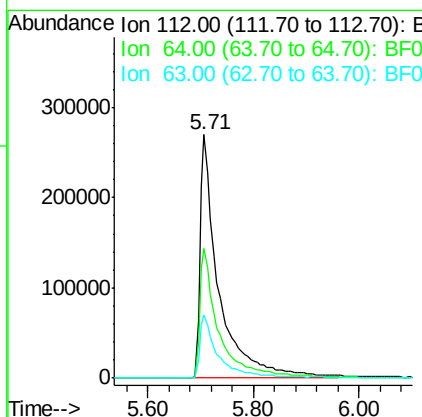
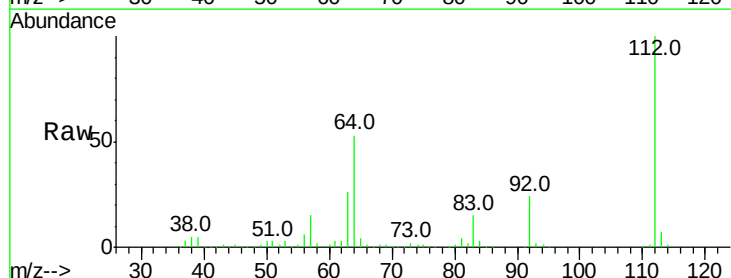
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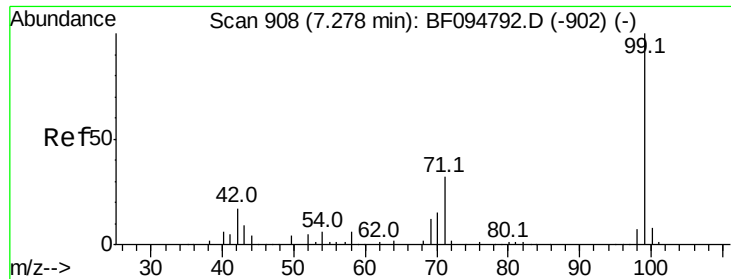


#5

2-Fluorophenol
Concen: 115.29 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.03 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	25.7	23.4	35.0





#7

Phenol-d6

Concen: 117.27 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Instrument :

BNA_F

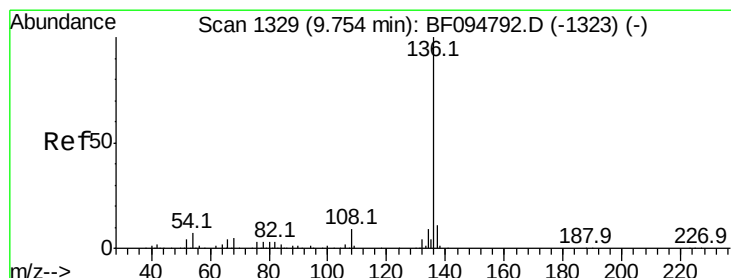
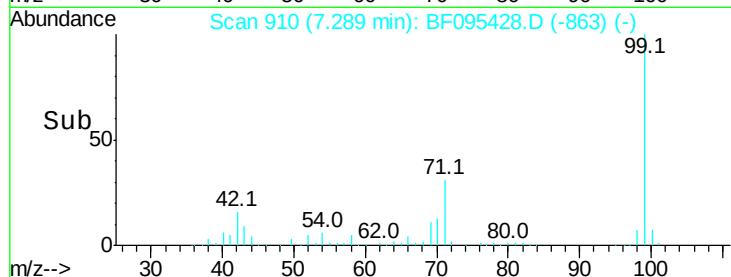
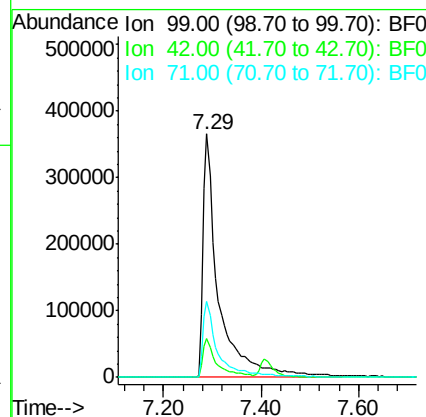
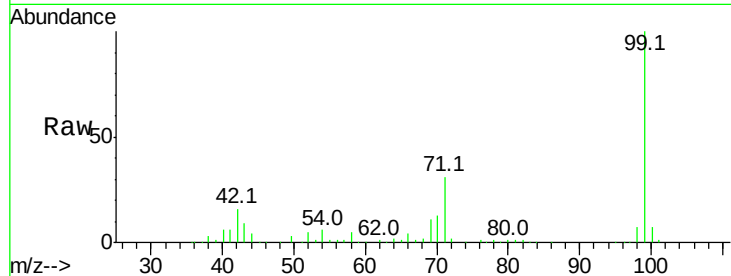
ClientSampleId :

VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		815609		
42	15.8	13.5	20.3		
71	31.2	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

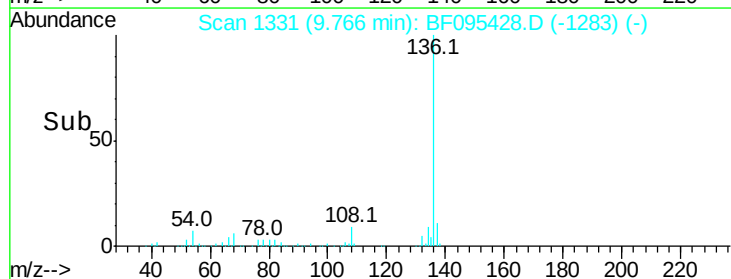
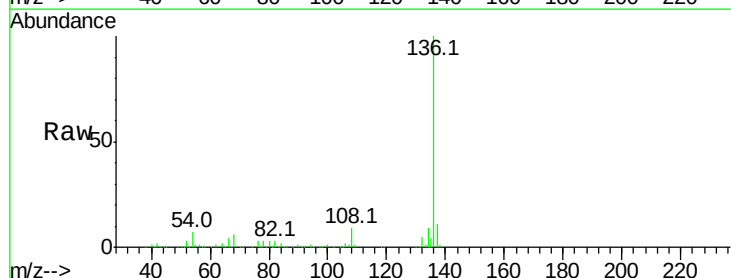
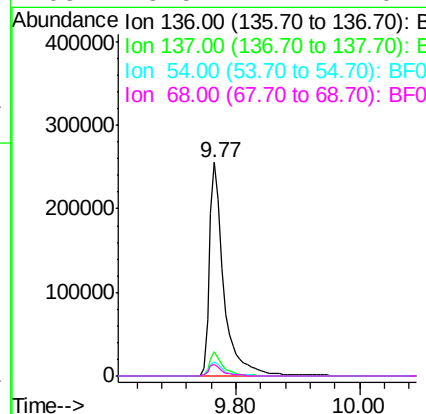
RT: 9.77 min Scan# 1331

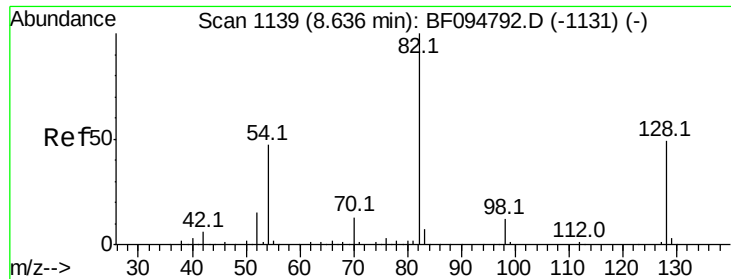
Delta R.T. -0.02 min

Lab File: BF095428.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		414389		
137	11.2	8.5	12.7		
54	6.7	4.9	7.3		
68	5.5	4.1	6.1		





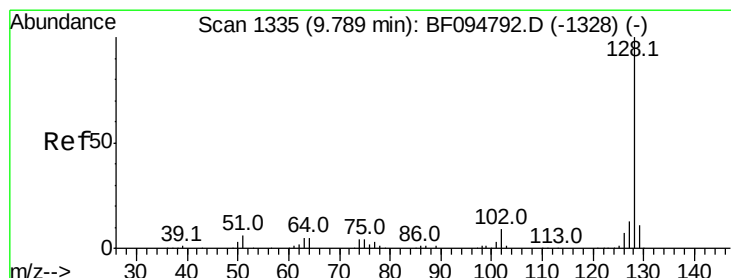
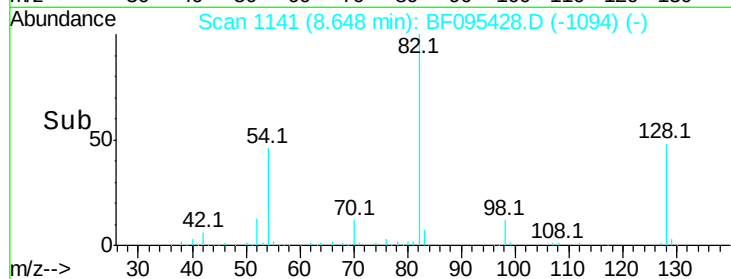
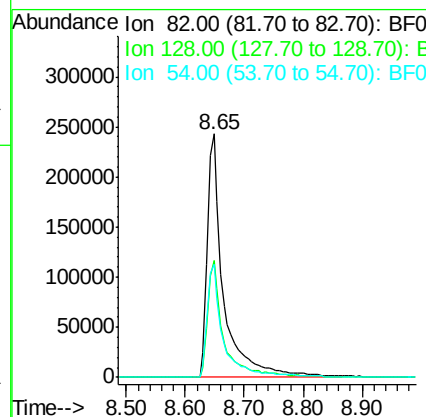
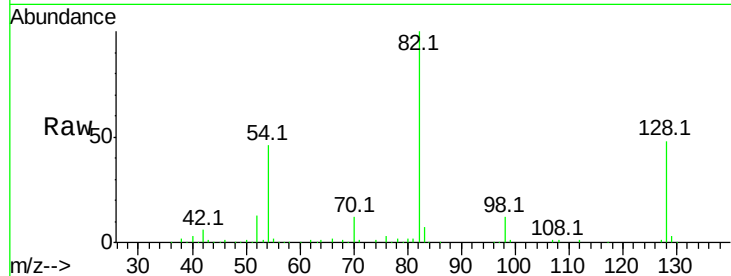
#23
Nitrobenzene-d5
Concen: 70.83 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.0	51.0
54	46.4	42.2	63.2

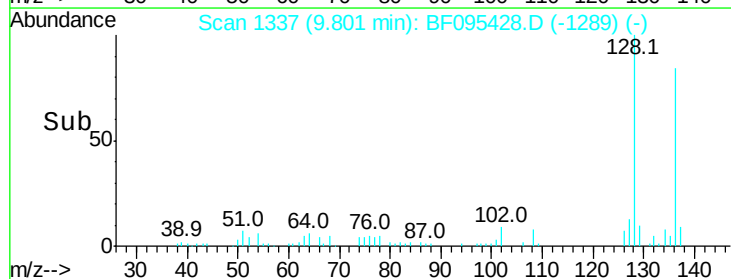
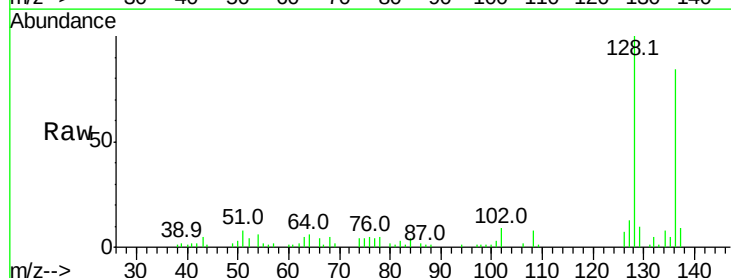
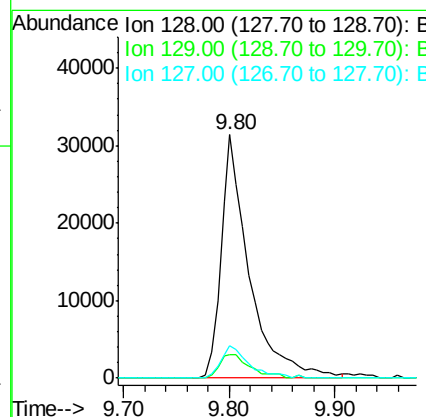
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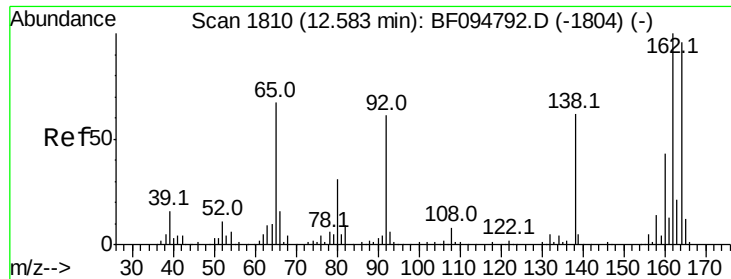
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#31
Naphthalene
Concen: 2.79 ng
RT: 9.80 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.0	13.6
127	13.5	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF095428.D

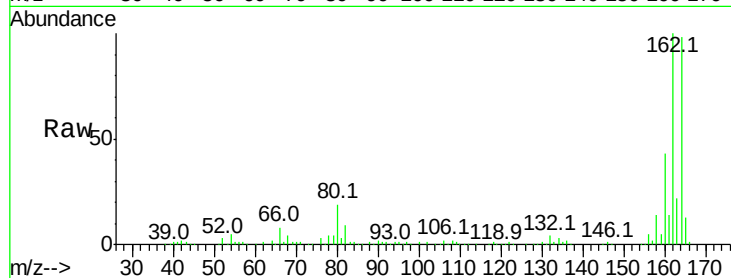
Acq: 25 May 2017 17:43

Instrument :

BNA_F

ClientSampleId :

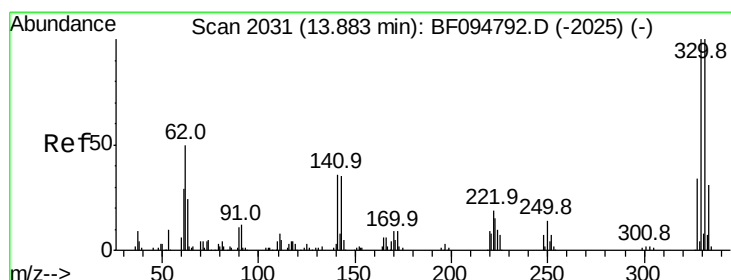
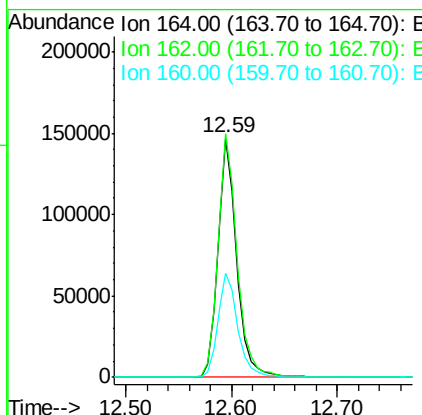
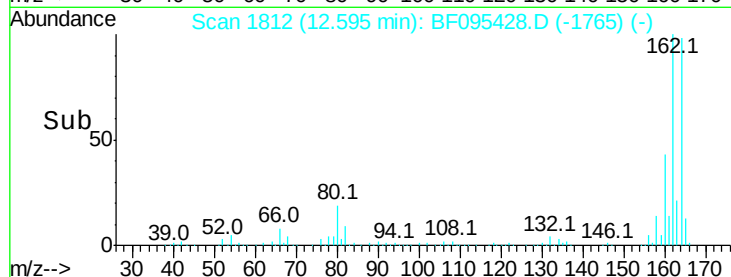
VNJ-225/289/330/139/15532/VNJ-23



Tot Ion	164	Resp	184344
Ion Ratio	Lower	Upper	
164	100		
162	102.0	82.6	123.8
160	43.8	36.2	54.2

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#41

2,4,6-Tribromophenol

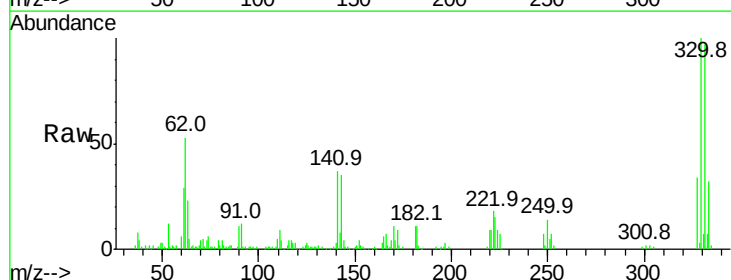
Concen: 103.43 ng

RT: 13.90 min Scan# 2034

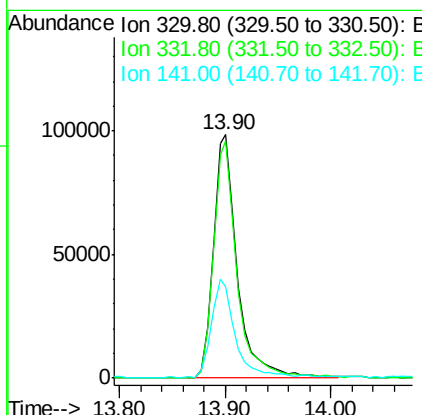
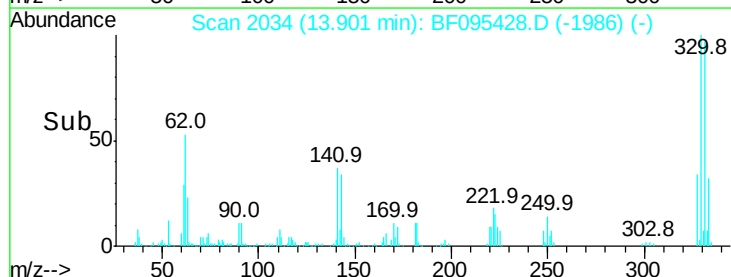
Delta R.T. -0.02 min

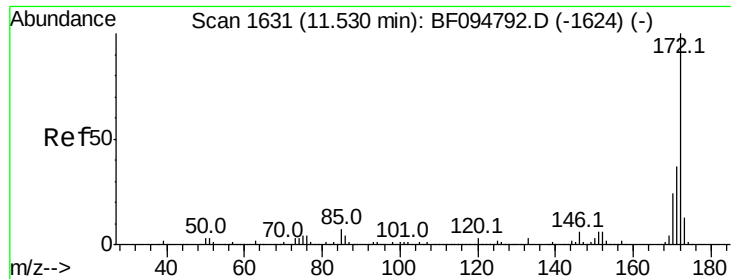
Lab File: BF095428.D

Acq: 25 May 2017 17:43



Tgt Ion	330	Resp	156147
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	115.0
141	41.8	31.4	47.2





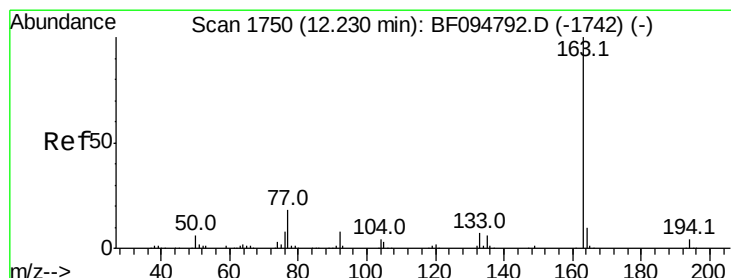
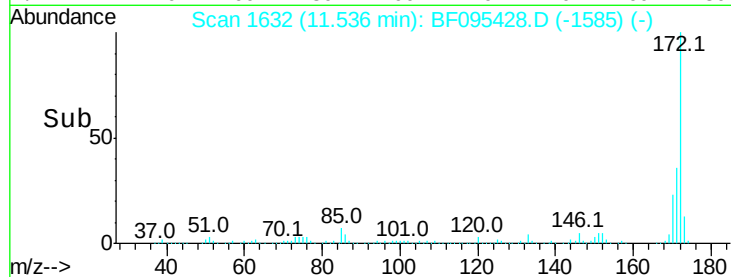
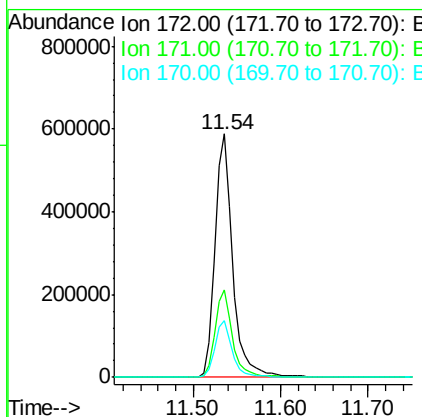
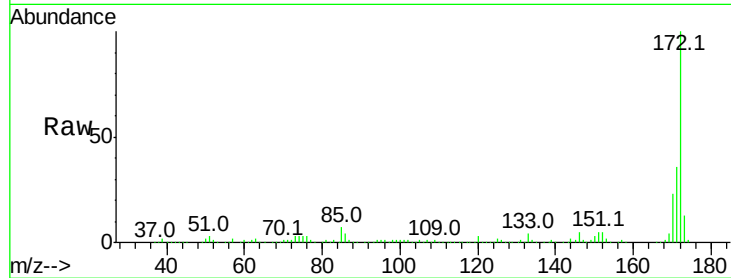
#44
2-Fluorobiphenyl
Concen: 64.68 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Resp	Lower	Upper
172	100	828377		
171	35.9		29.6	44.4
170	23.3		19.8	29.8

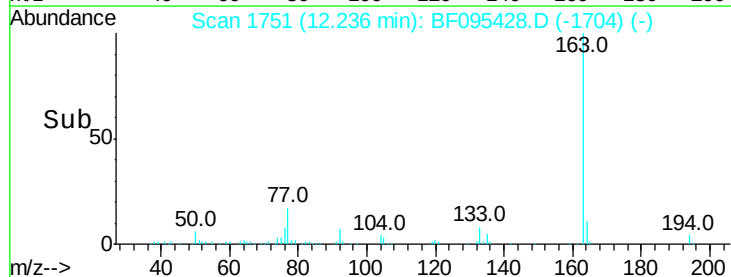
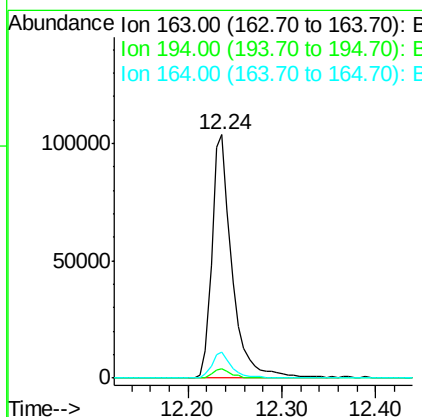
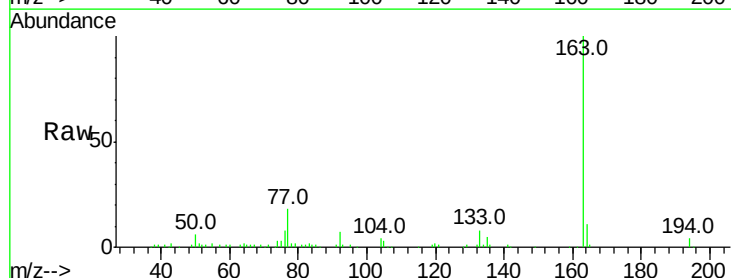
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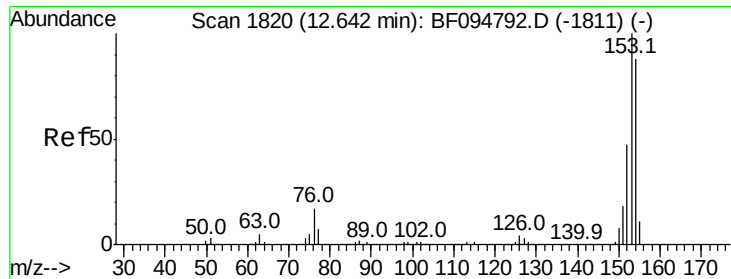
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#49
Dimethylphthalate
Concen: 10.34 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	156431		
194	3.6		2.6	4.0
164	10.5		8.4	12.6





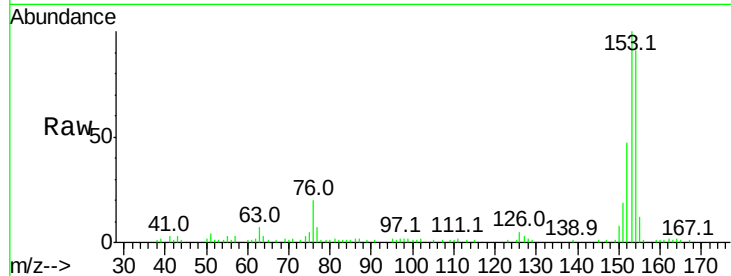
#51
Acenaphthene
Concen: 5.84 ng
RT: 12.65 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

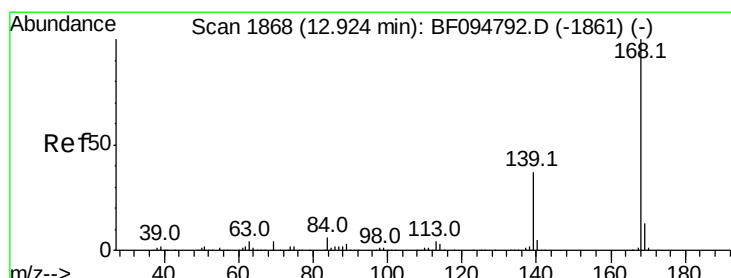
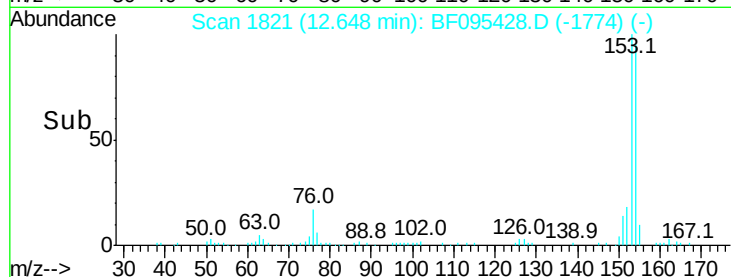
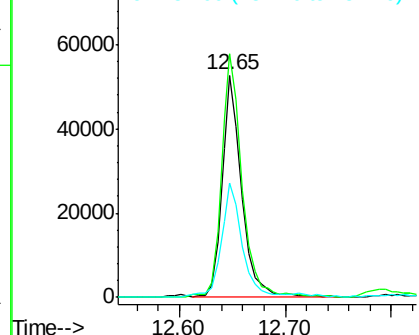
Tot Ion	Ratio	Lower	Upper
154	100		
153	109.5	90.5	135.7
152	51.3	43.6	65.4

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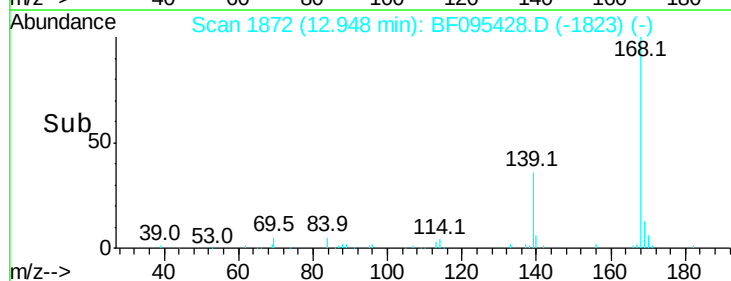
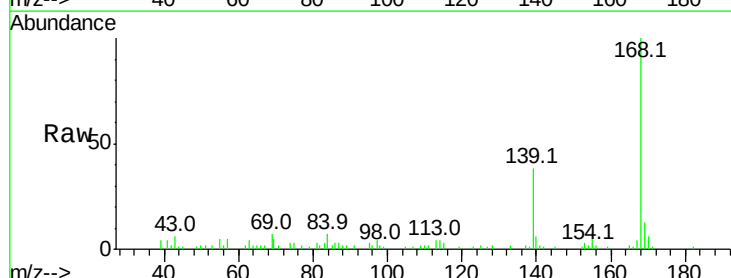
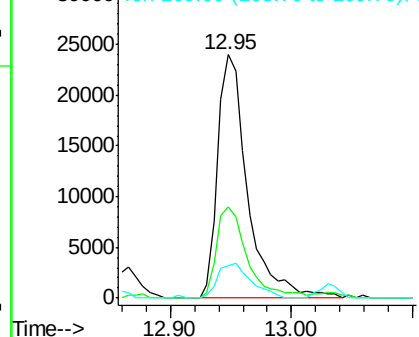
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

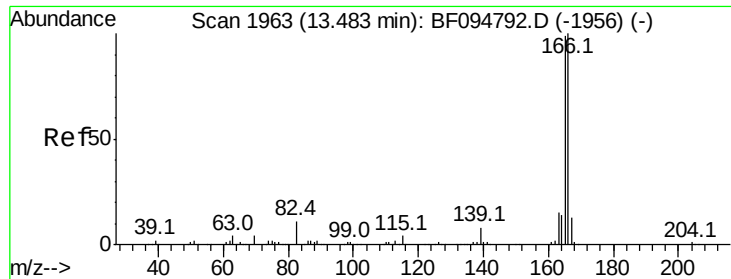


#54
Dibenzofuran
Concen: 2.52 ng
RT: 12.95 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.6	45.8
169	13.3	10.8	16.2

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





#57

Fluorene

Concen: 5.61 ng

RT: 13.49 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Instrument :

BNA_F

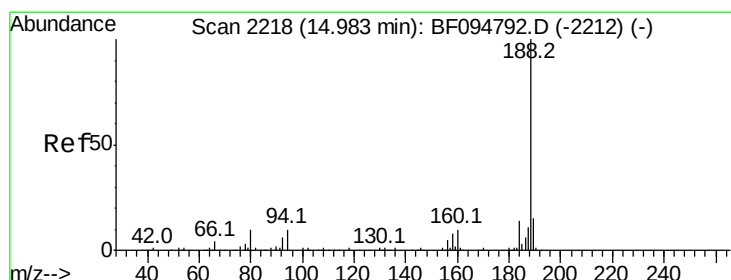
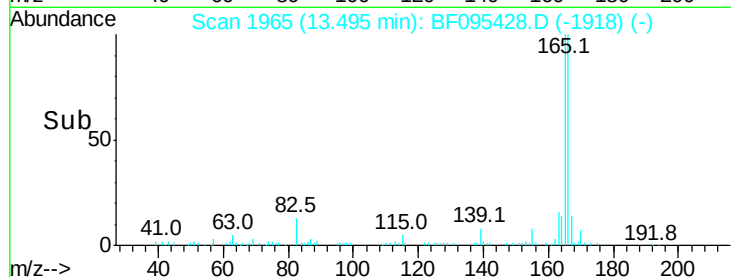
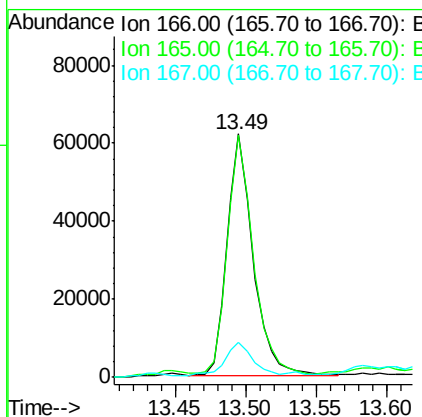
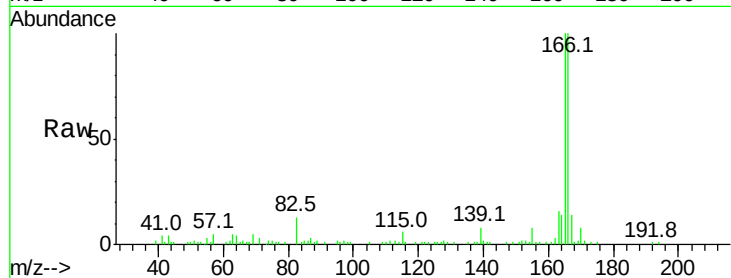
ClientSampleId :

VNJ-225/289/330/139/15532/VNJ-23

Tot Ion:	166	Resp:	79132
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.8	118.2
167	14.3	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

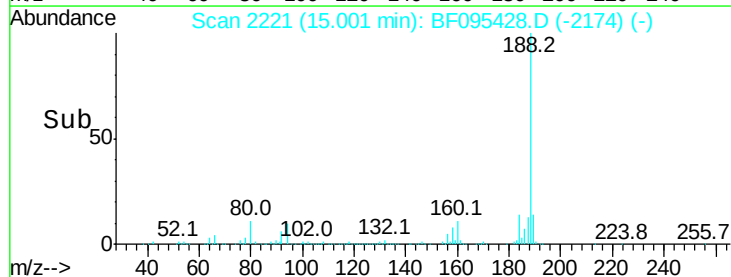
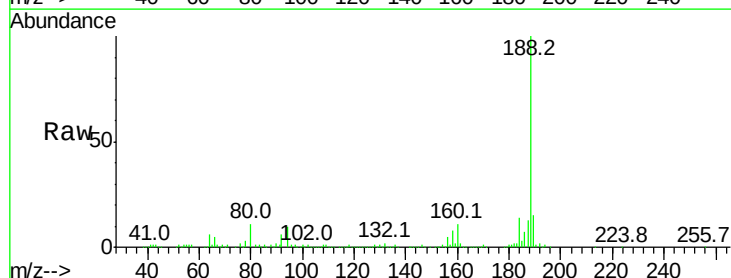
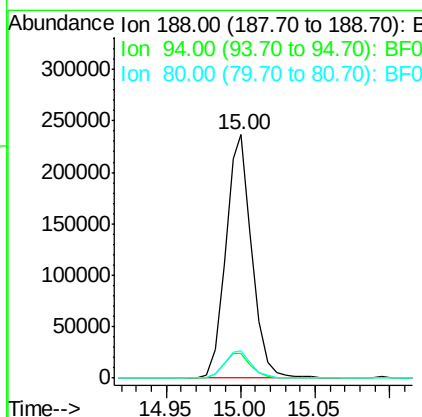
RT: 15.00 min Scan# 2221

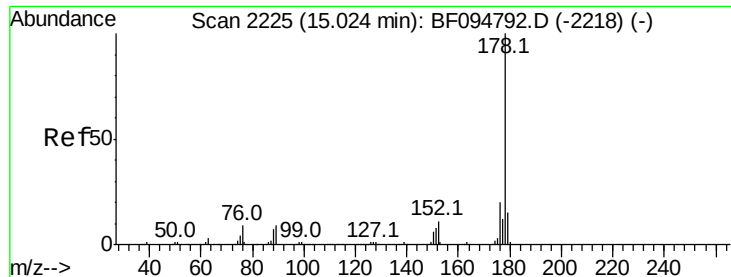
Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Tgt Ion:	188	Resp:	288539
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.4	14.2
80	11.0	10.2	15.2





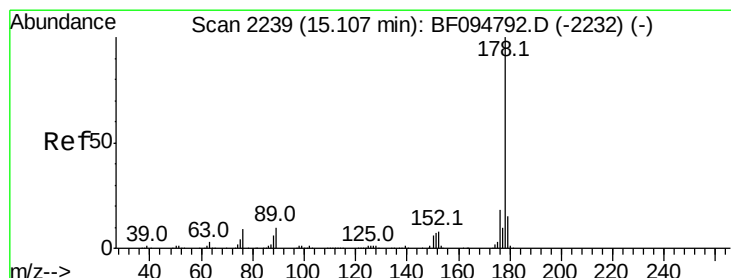
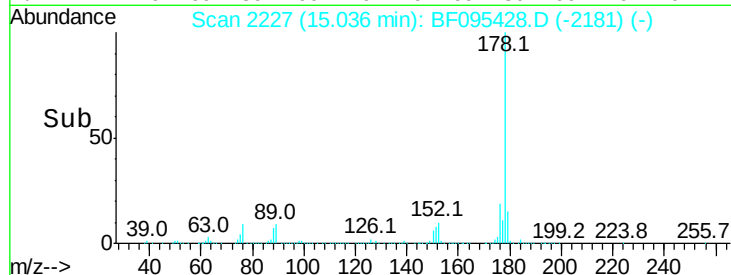
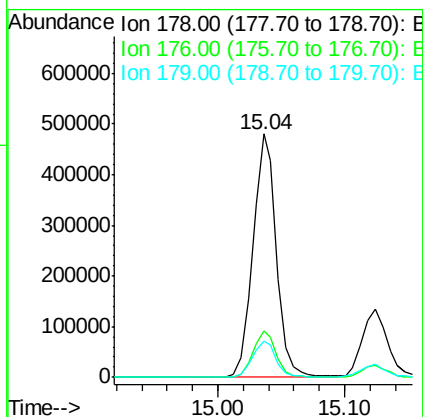
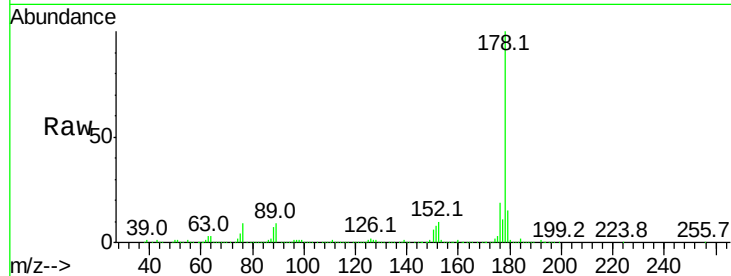
#70
Phenanthrene
Concen: 37.31 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.03 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.0	12.6	19.0

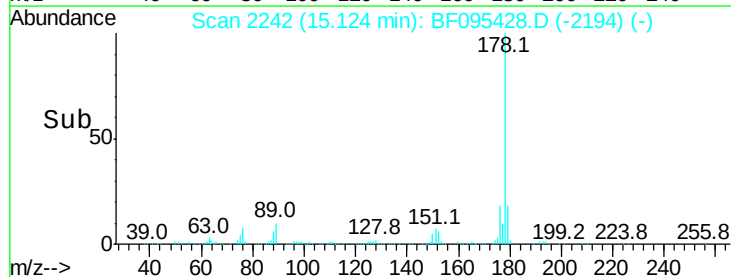
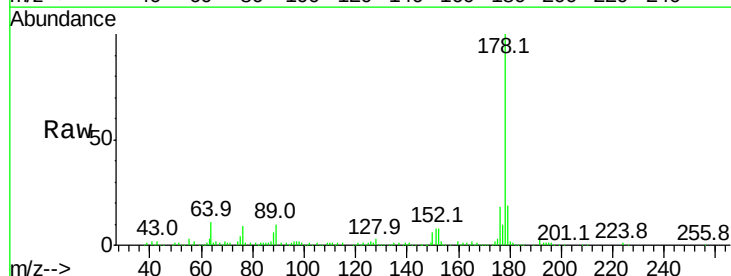
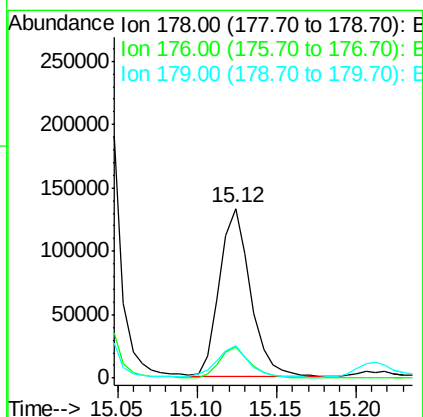
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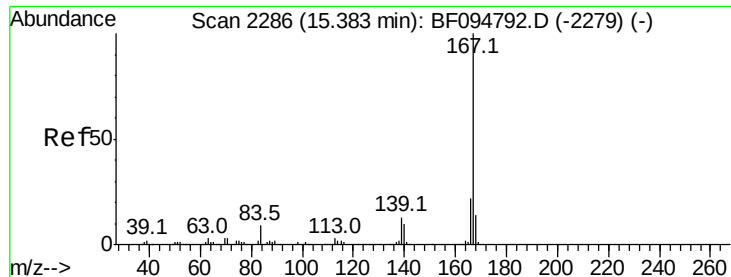
mohammad
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#71
Anthracene
Concen: 10.64 ng
RT: 15.12 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	18.8	12.7	19.1





#72

Carbazole

Concen: 2.52 ng

RT: 15.42 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Instrument :

BNA_F

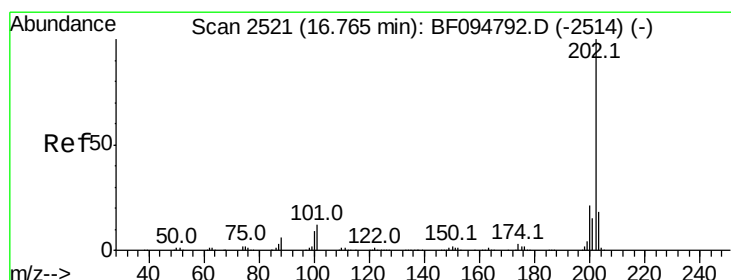
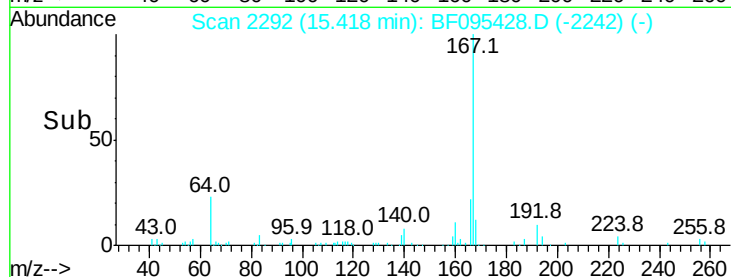
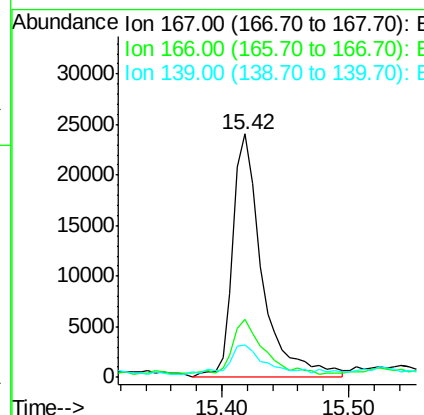
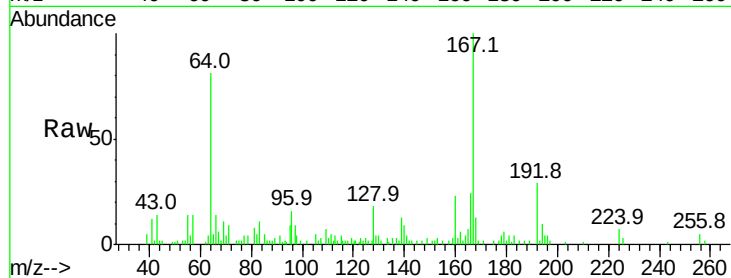
ClientSampleId :

VNJ-225/289/330/139/15532/VNJ-23

Tot Ion:	167	Resp:	38809
Ion Ratio	Lower	Upper	
167	100		
166	24.1	18.1	27.1
139	13.4	11.7	17.5

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#74

Fluoranthene

Concen: 48.46 ng

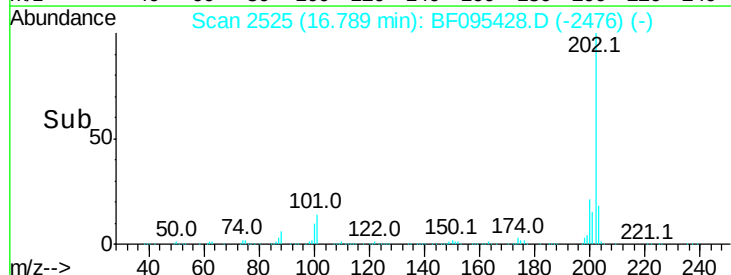
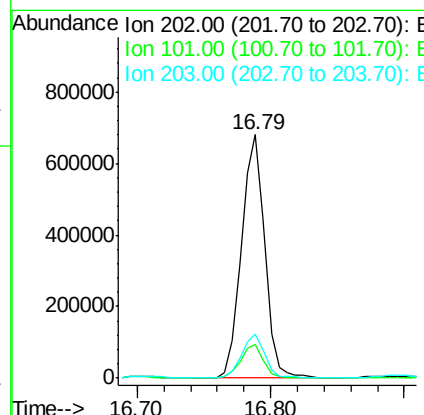
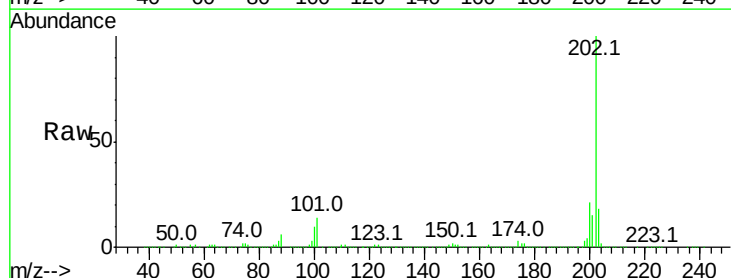
RT: 16.79 min Scan# 2525

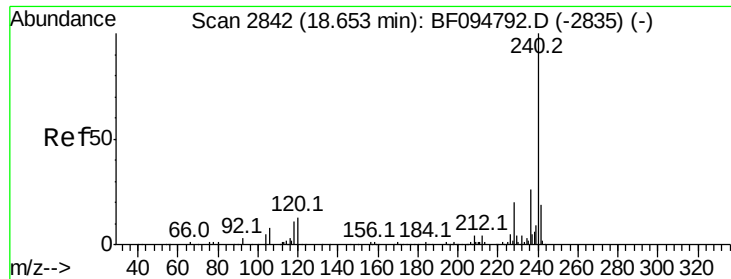
Delta R.T. -0.01 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Tgt Ion:	202	Resp:	824088
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Instrument :

BNA_F

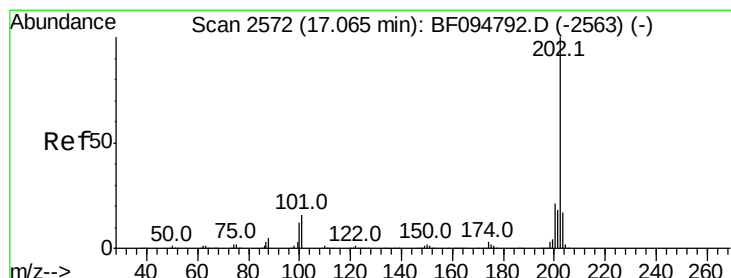
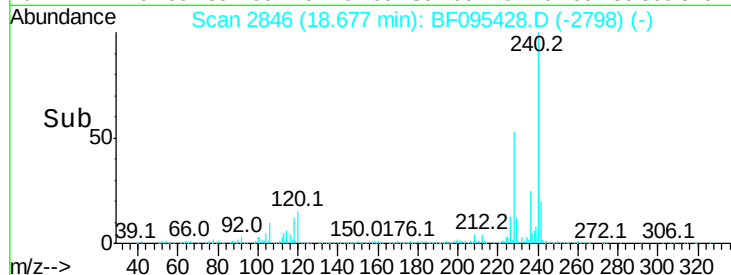
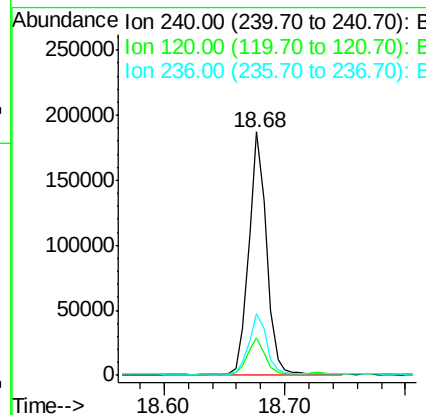
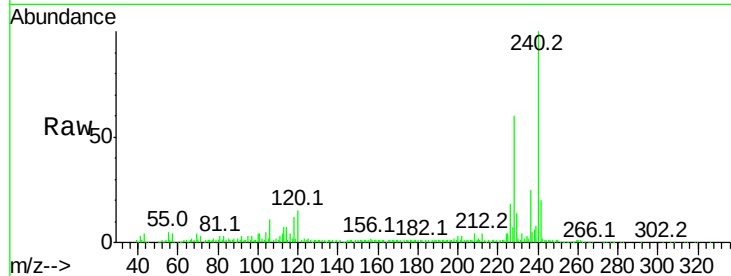
ClientSampleId :

VNJ-225/289/330/139/15532/VNJ-23

Tot Ion:	240	Resp:	191797
Ion Ratio	Lower	Upper	
240	100		
120	15.2	5.8	8.8#
236	25.4	20.5	30.7

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#77

Pyrene

Concen: 61.15 ng

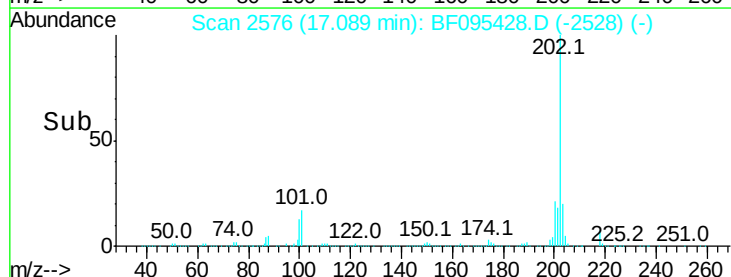
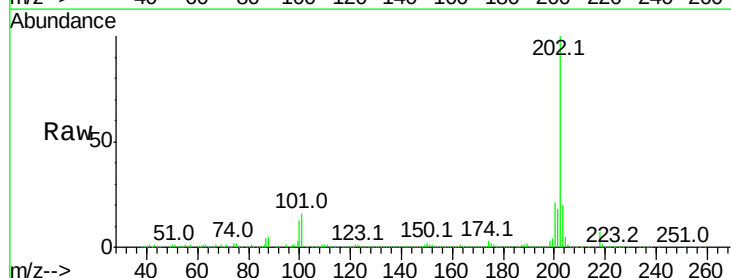
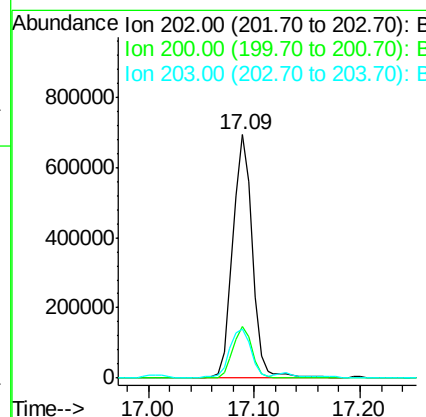
RT: 17.09 min Scan# 2576

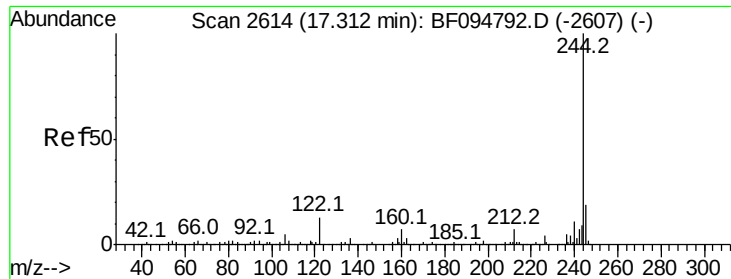
Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Tgt Ion:	202	Resp:	877174
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	20.0	14.4	21.6





#78

Terphenyl-d14

Concen: 54.67 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Instrument :

BNA_F

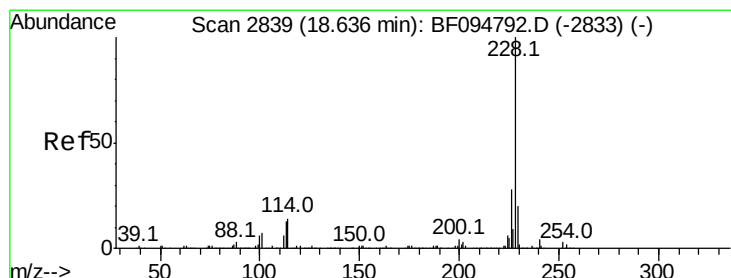
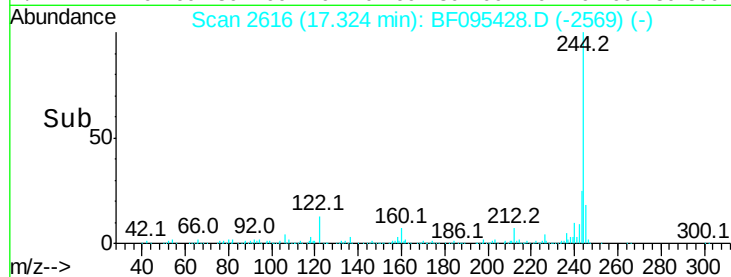
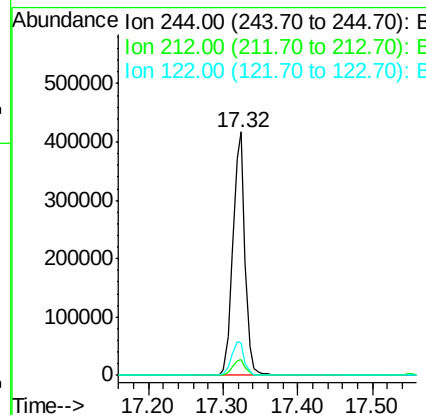
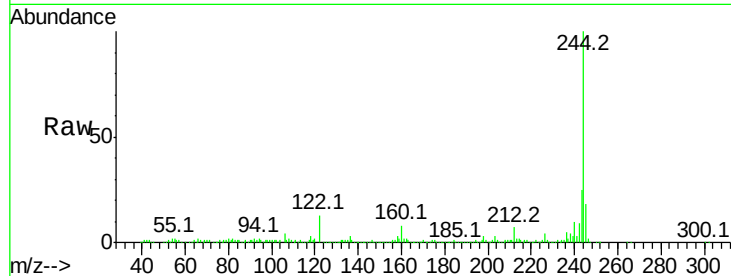
ClientSampleId :

VNJ-225/289/330/139/15532/VNJ-23

Tot Ion:	244	Resp:	476033
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	13.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 32.53 ng

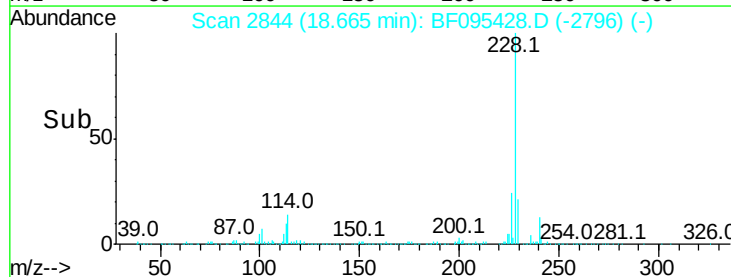
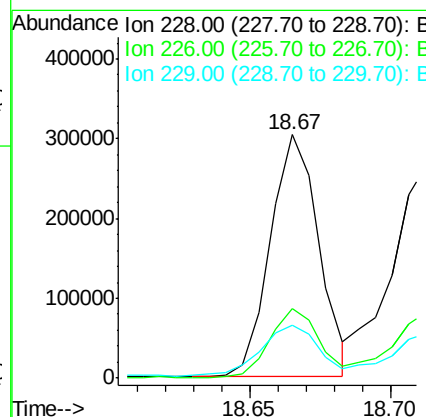
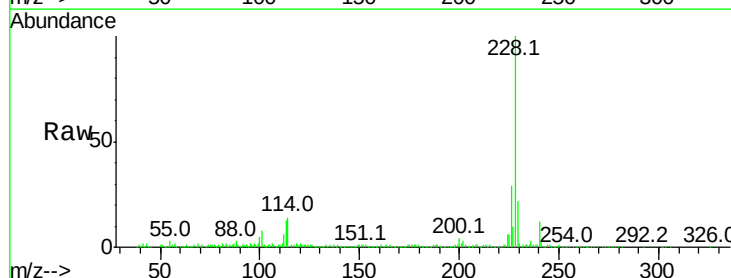
RT: 18.67 min Scan# 2844

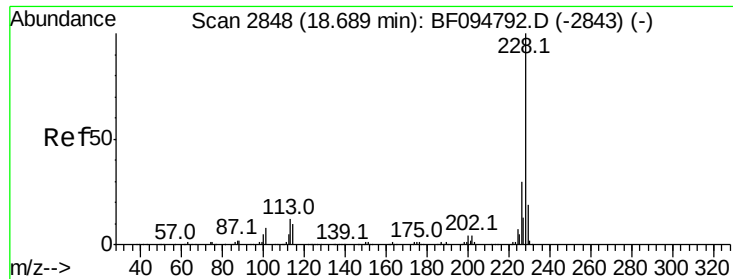
Delta R.T. -0.02 min

Lab File: BF095428.D

Acq: 25 May 2017 17:43

Tgt Ion:	228	Resp:	363145
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	21.9	16.3	24.5





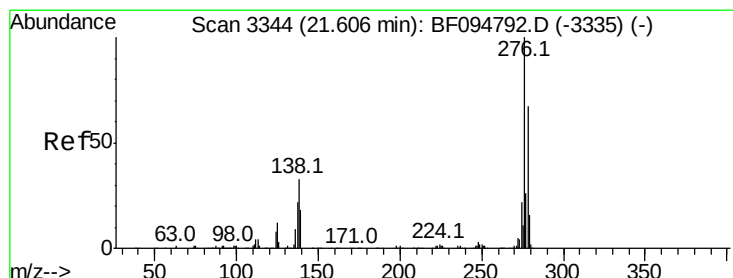
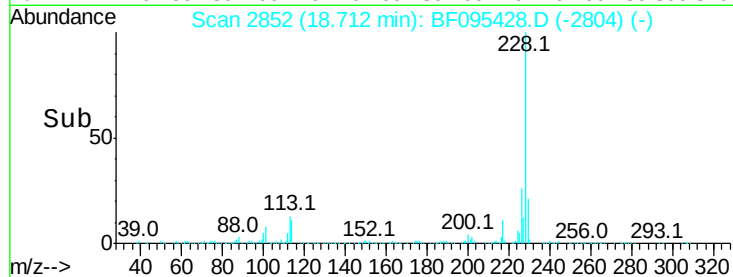
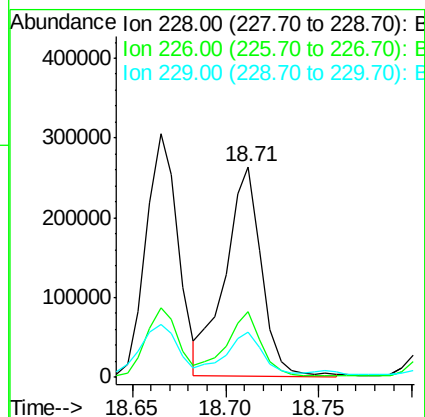
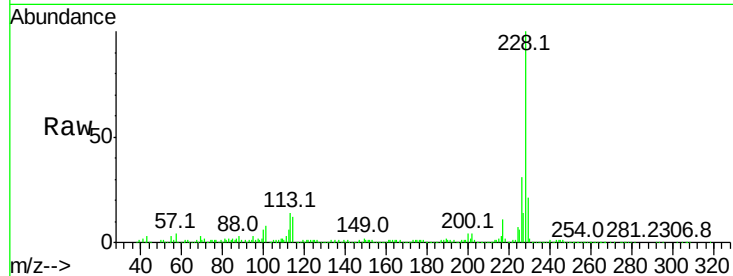
#82
Chrysene
Concen: 32.87 ng/ml
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion:	228	Resp:	354785
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	21.3	15.8	23.6

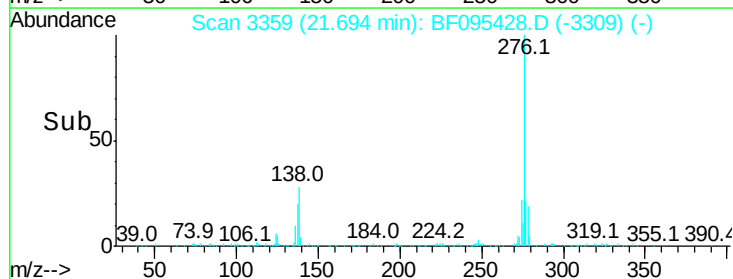
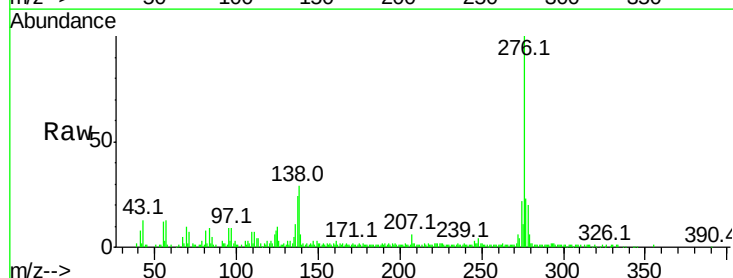
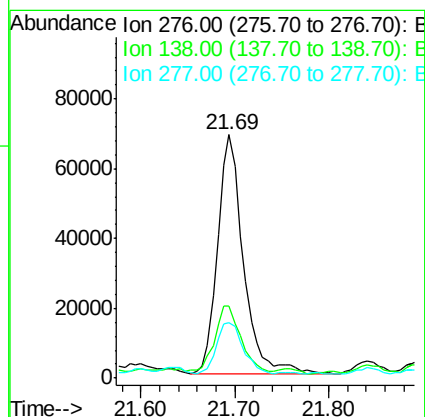
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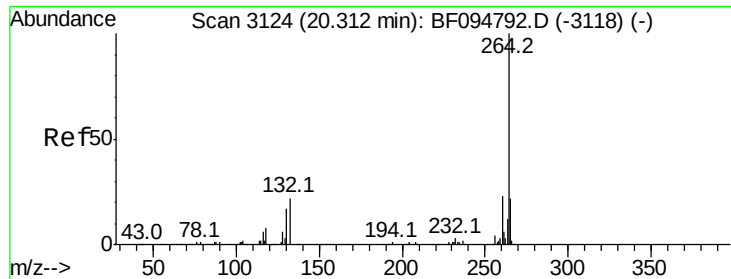
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.99 ng/ml
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion:	276	Resp:	131353
Ion Ratio	Lower	Upper	
276	100		
138	27.5	27.8	41.6#
277	22.1	20.2	30.4





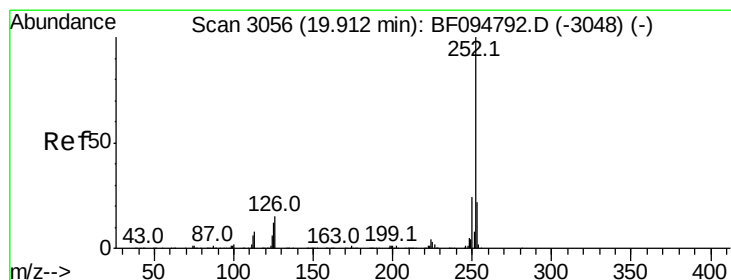
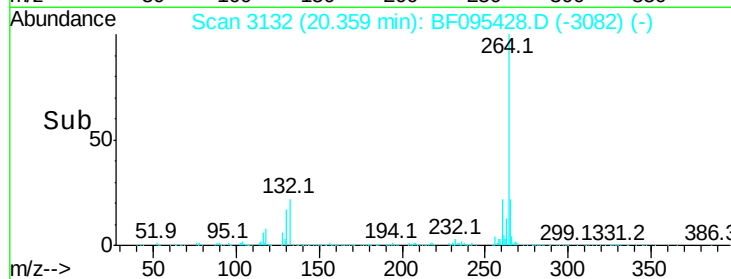
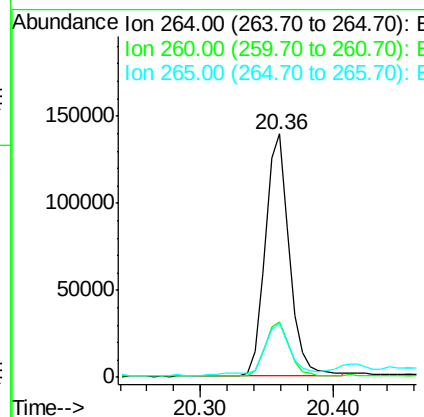
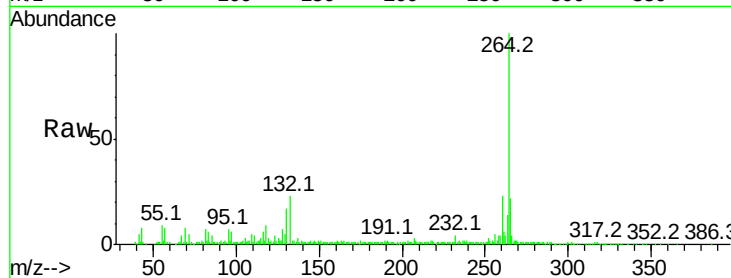
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	22.1	17.2	25.8

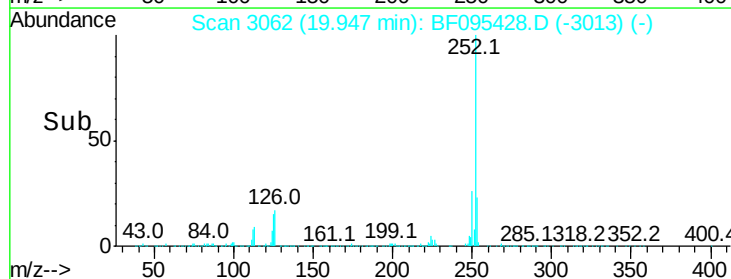
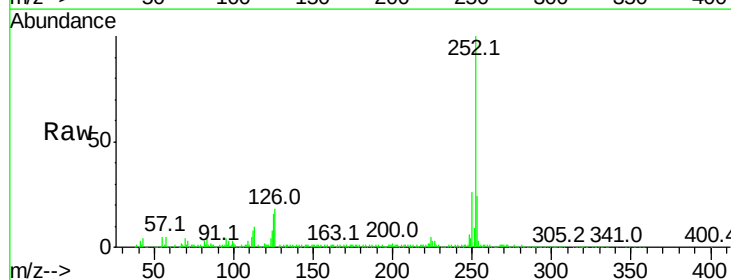
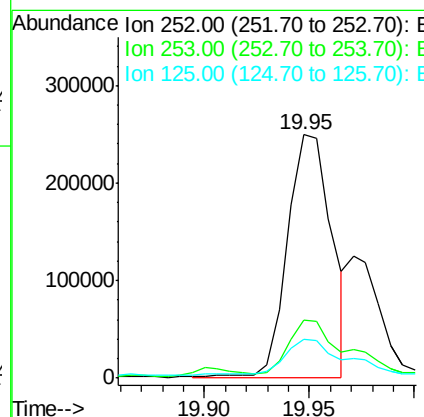
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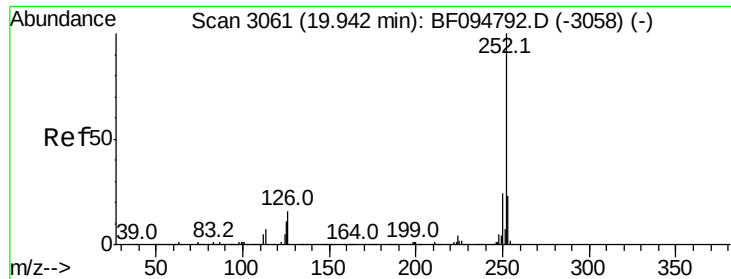
mohammad
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#87
Benzo(b)fluoranthene
Concen: 34.08 ng m
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	16.1	9.8	14.8





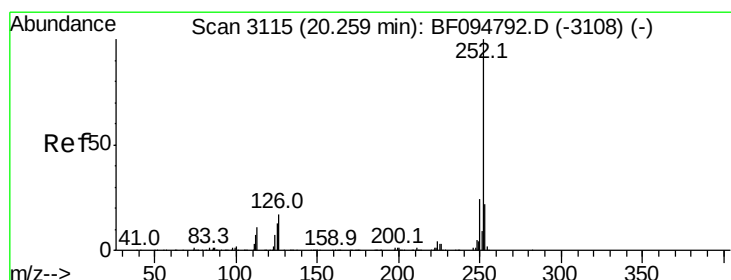
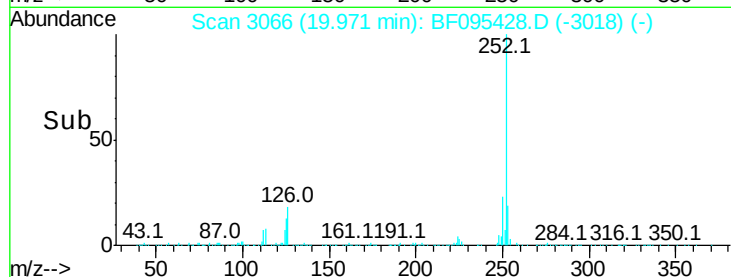
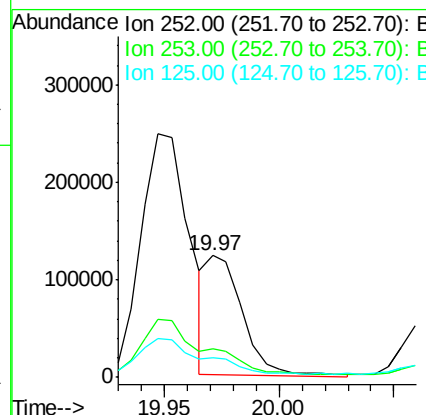
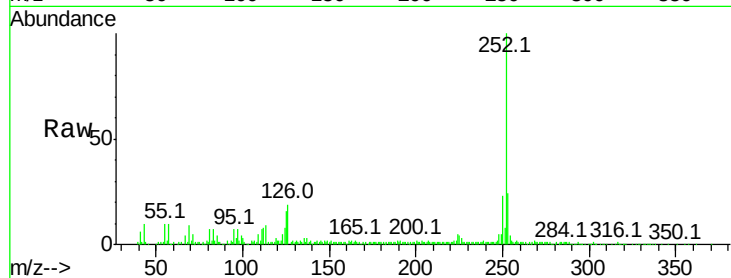
#88
Benzo(k)fluoranthene
Concen: 12.69 ng m
RT: 19.97 min Scan# 3066
Delta R.T. -0.02 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	16.1	13.1	19.7

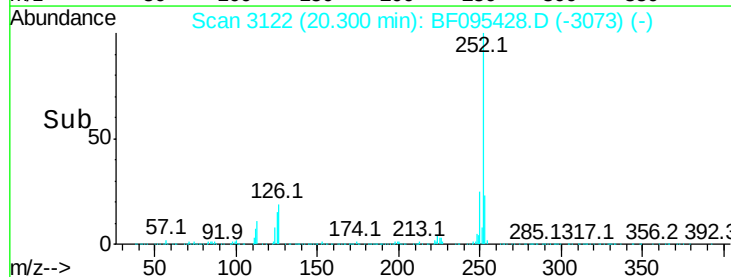
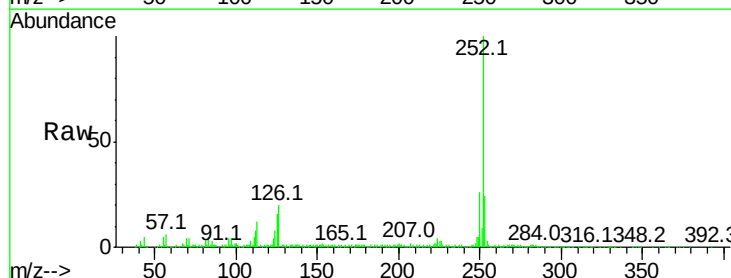
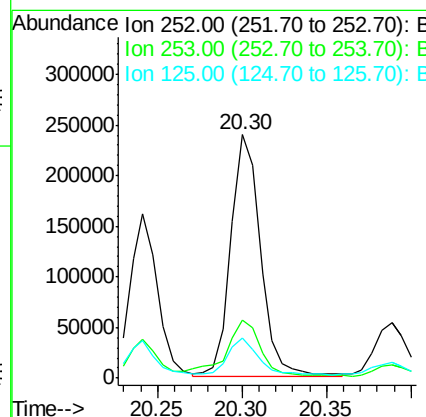
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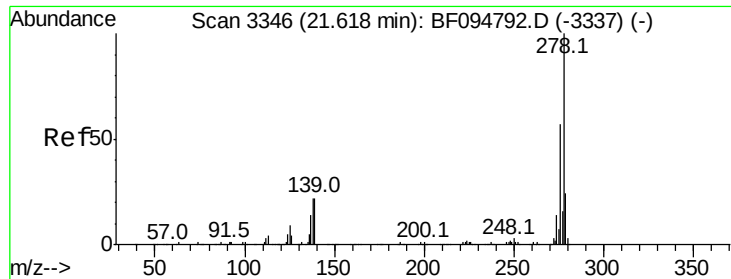
mohammad
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#89
Benzo(a)pyrene
Concen: 29.60 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	16.3	11.0	16.4





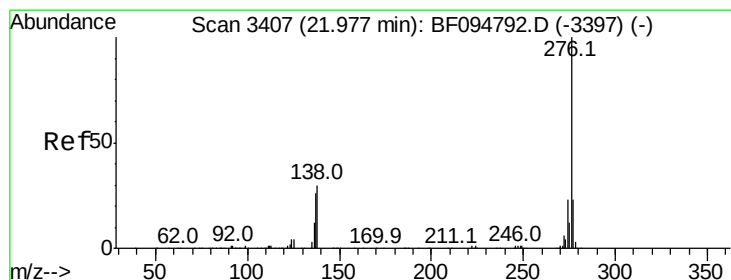
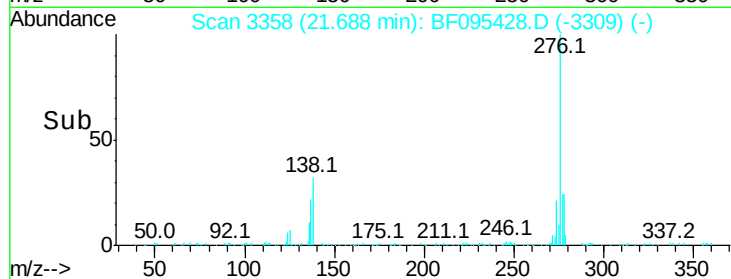
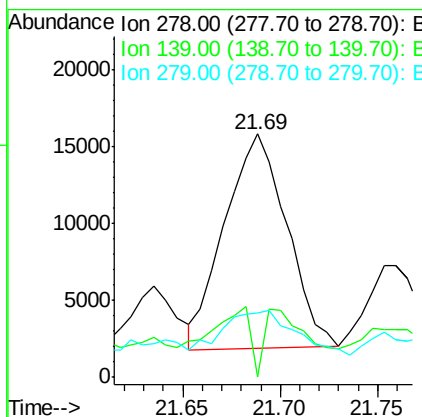
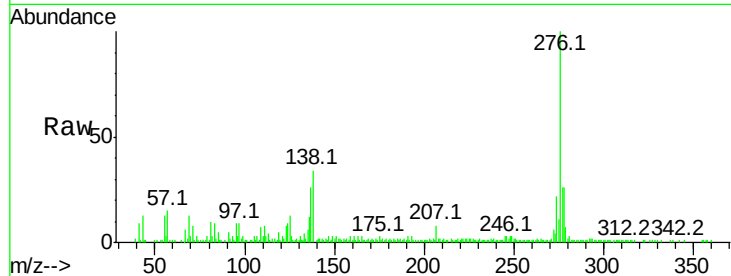
#90
Dibenzo(a,h)anthracene
Concen: 3.77 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-225/289/330/139/15532/VNJ-23

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.6	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 15.41 ng
RT: 22.08 min Scan# 3425
Delta R.T. -0.00 min
Lab File: BF095428.D
Acq: 25 May 2017 17:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	35.5	25.4	38.0

