

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095859.D
 Acq On : 10 Jun 2017 21:16
 Operator : SJ/MA
 Sample : I3598-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226-COMP

Manual Integrations
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Quant Time: Jun 12 05:21:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	65305	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	267031	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	124014	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	212295	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	143106	20.00	ng	-0.02
86) Perylene-d12	20.00	264	134732	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	482865	117.82	ng	-0.02
7) Phenol-d6	6.93	99	584370	119.10	ng	-0.03
23) Nitrobenzene-d5	8.29	82	344172	80.05	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	107900	98.34	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	575364	64.56	ng	-0.04
78) Terphenyl-d14	16.99	244	371430	64.41	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.95	94	22906	4.50	ng	# 70
31) Naphthalene	9.43	128	391013	29.18	ng	98
37) 2-Methylnaphthalene	10.56	142	60073	6.63	ng	94
49) Dimethylphthalate	11.87	163	114797	12.19	ng	98
51) Acenaphthene	12.27	154	87686	11.12	ng	99
54) Dibenzofuran	12.56	168	95880	8.64	ng	98
57) Fluorene	13.11	166	114866	11.89	ng	100
70) Phenanthrene	14.65	178	439529	35.88	ng	98
71) Anthracene	14.74	178	151887	11.88	ng	97
72) Carbazole	15.04	167	50223	4.03	ng	100
74) Fluoranthene	16.43	202	259659	21.42	ng	99
77) Pyrene	16.73	202	177418	16.62	ng	95
80) Benzo(a)anthracene	18.32	228	61631	7.41	ng	95
82) Chrysene	18.37	228	85789	10.32	ng	97
85) Indeno(1,2,3-cd)pyrene	21.19	276	23425	3.29	ng	96
87) Benzo(b)fluoranthene	19.60	252	57537	6.82	ng	98
88) Benzo(k)fluoranthene	19.63	252	20449m	2.54	ng	
89) Benzo(a)pyrene	19.95	252	43595	5.62	ng	# 94
91) Benzo(a,h,i)perylene	21.53	276	22079	3.29	ng	96

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

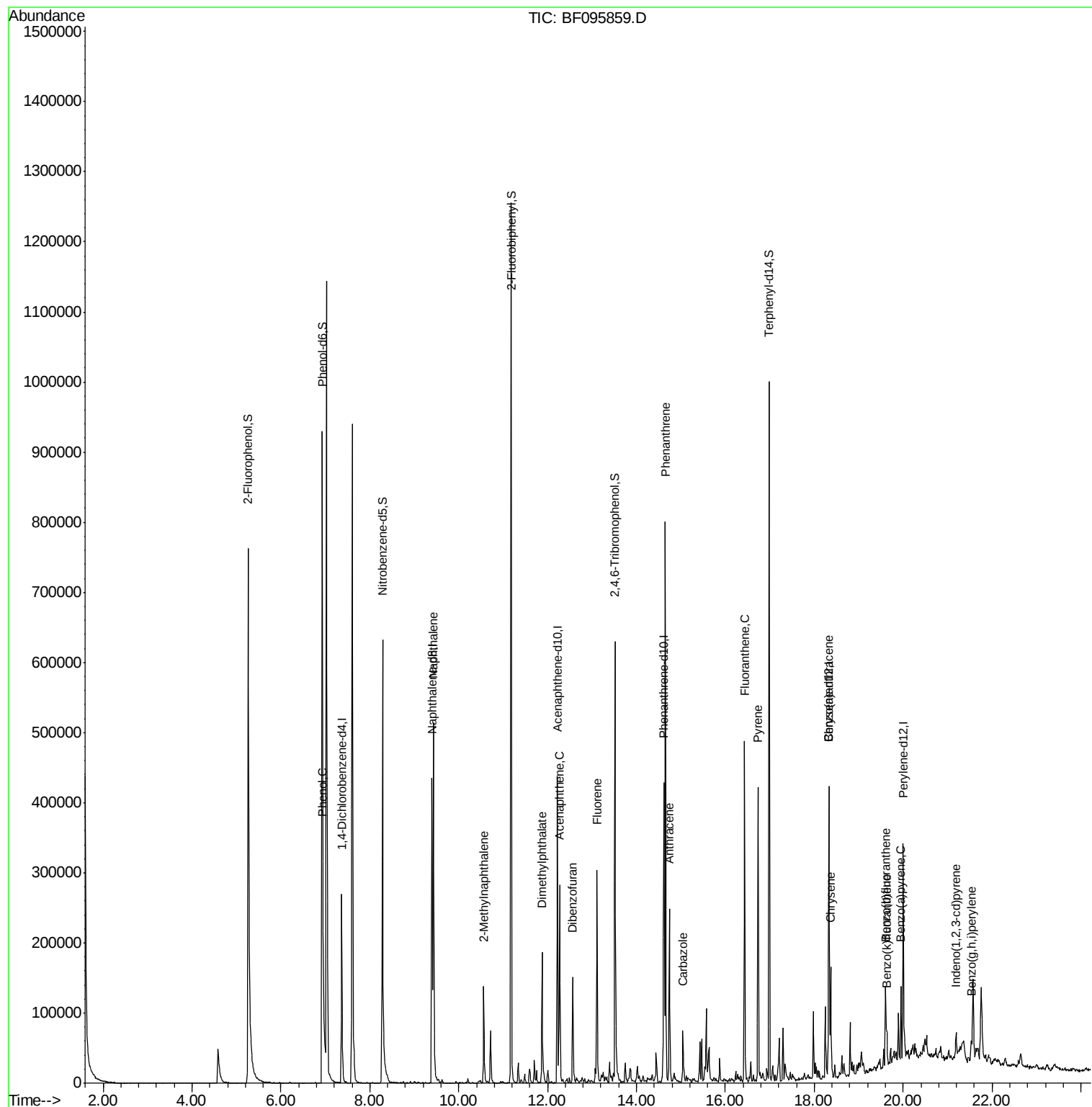
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
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#1

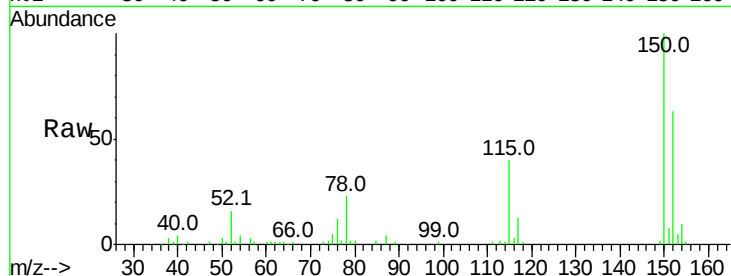
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
ClientSampleId :
VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.2	189.2
115	63.7	52.2	78.2

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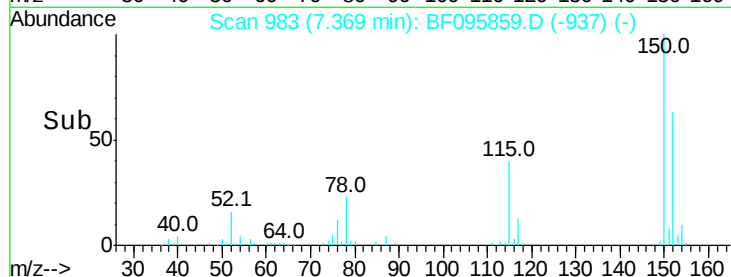
Abundance

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

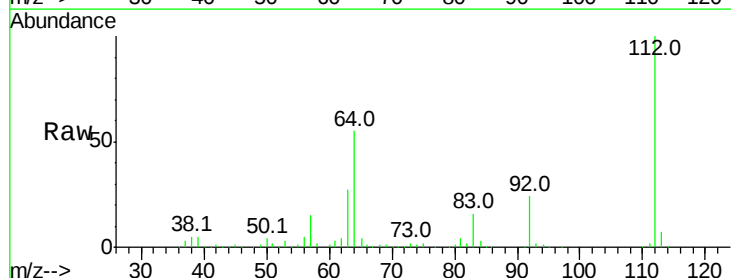
Time-->



#5

2-Fluorophenol
Concen: 117.82 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.0	69.0
63	27.1	23.4	35.0



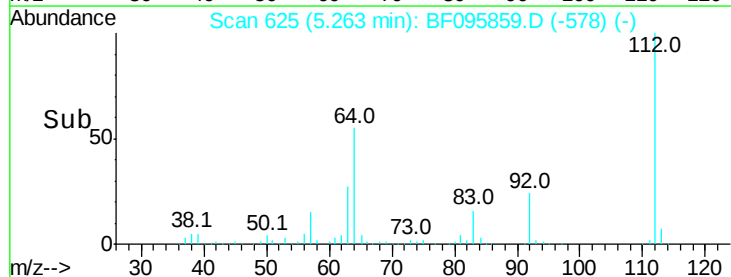
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 119.10 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Instrument :

BNA_F

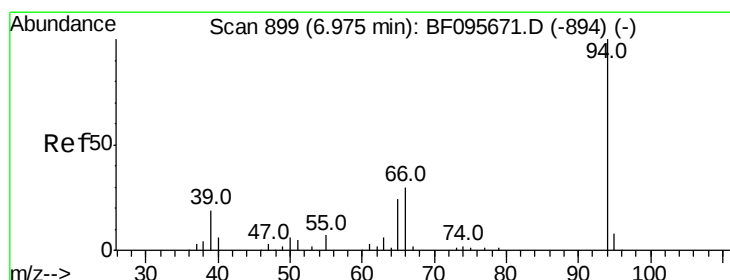
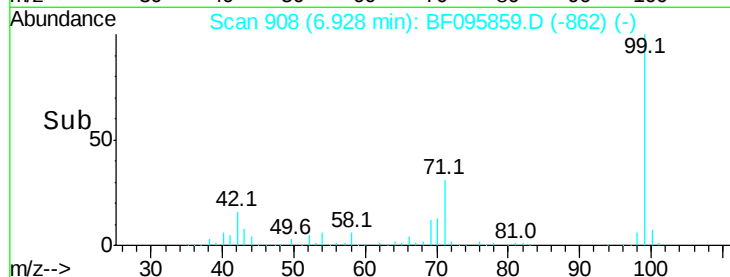
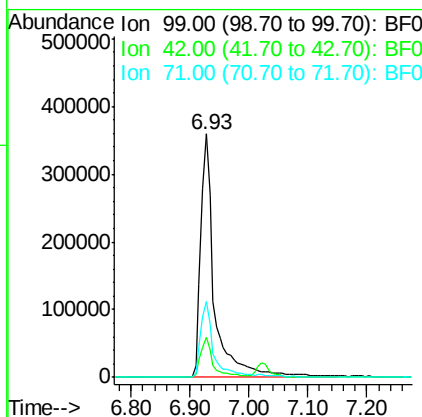
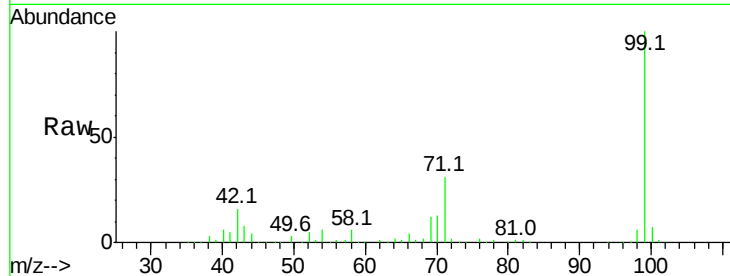
ClientSampleId :

VNJ-226-COMP

Tot Ion:	99	Resp:	584370
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	31.4	24.5	36.7

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#10

Phenol

Concen: 4.50 ng

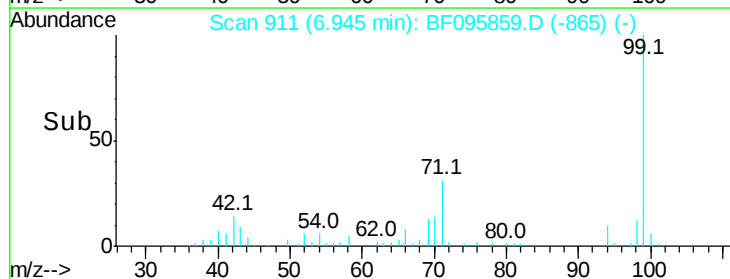
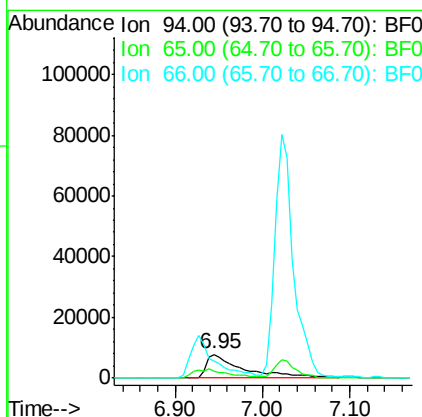
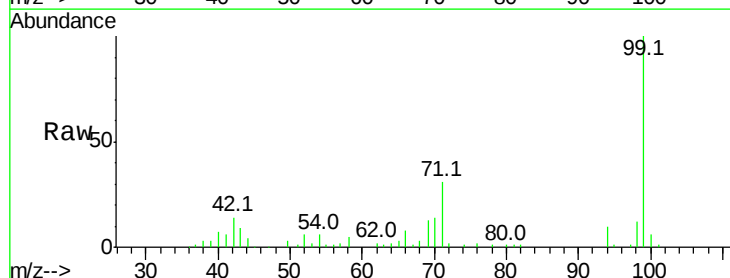
RT: 6.95 min Scan# 911

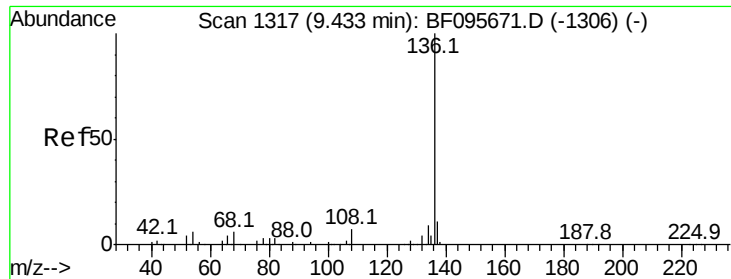
Delta R.T. -0.03 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Tgt Ion:	94	Resp:	22906
Ion Ratio	Lower	Upper	
94	100		
65	31.5	9.9	49.9
66	74.1	23.1	63.1#





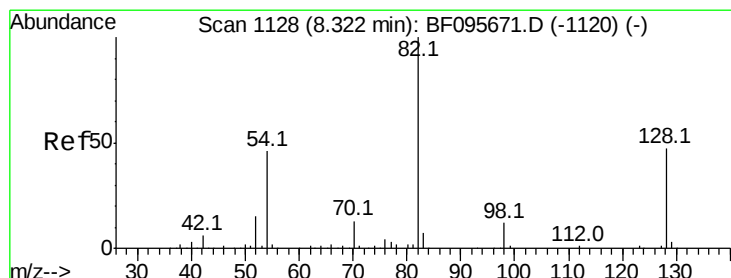
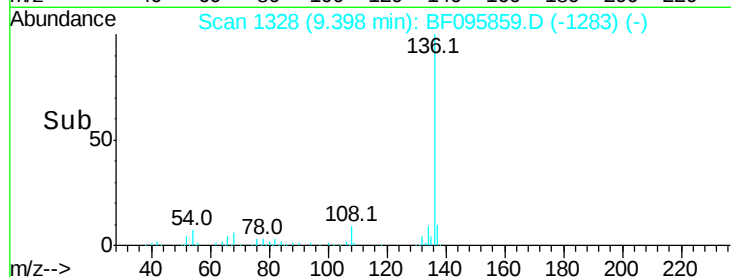
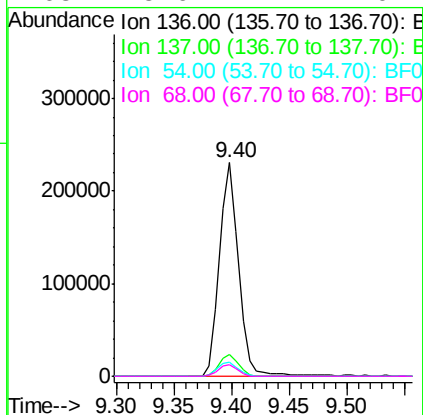
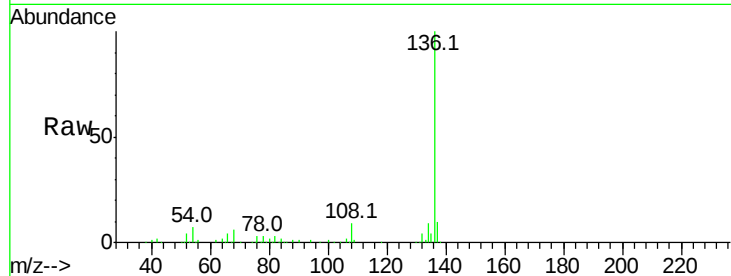
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
ClientSampleId :
VNJ-226-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		267031		
137	10.3		8.5	12.7	
54	6.7		4.9	7.3	
68	5.6		4.1	6.1	

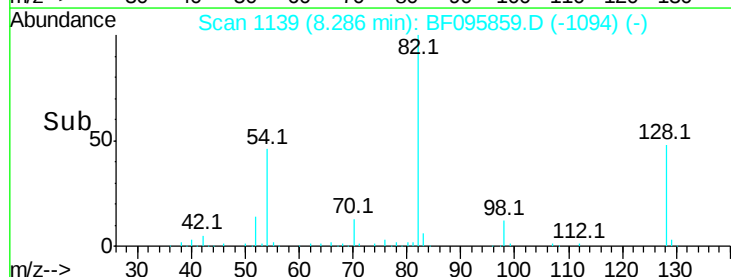
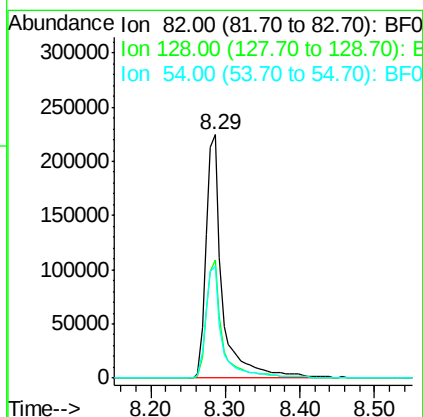
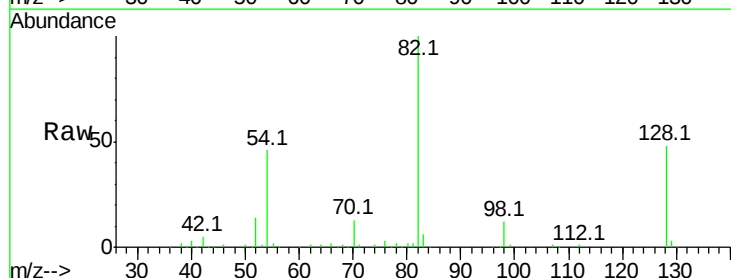
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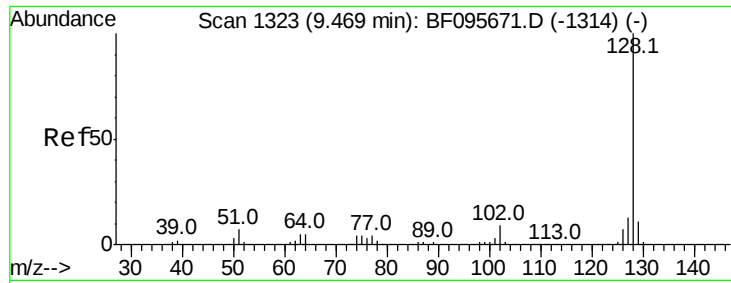
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#23
Nitrobenzene-d5
Concen: 80.05 ng
RT: 8.29 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		344172		
128	48.4		34.0	51.0	
54	46.1		42.2	63.2	





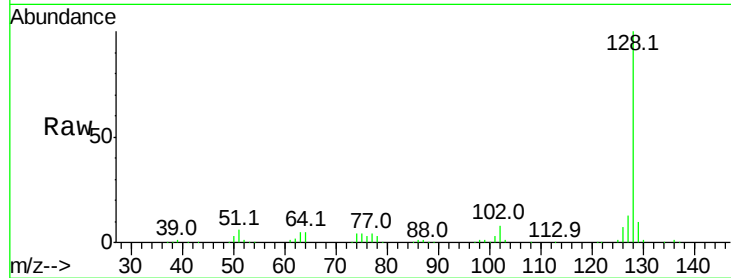
#31
Naphthalene
Concen: 29.18 ng
RT: 9.43 min Scan# 1334
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
ClientSampleId :
VNJ-226-COMP

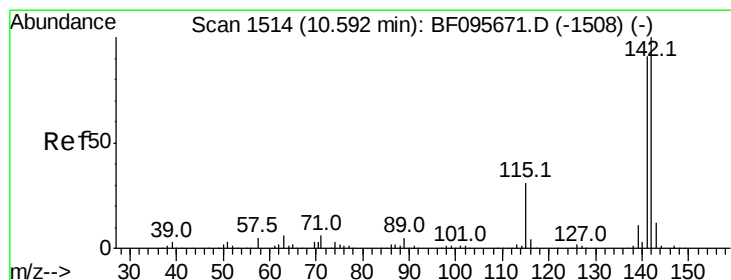
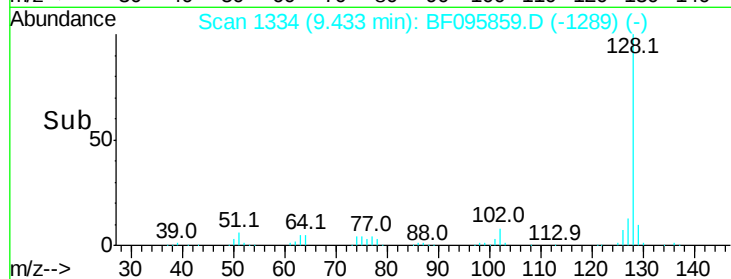
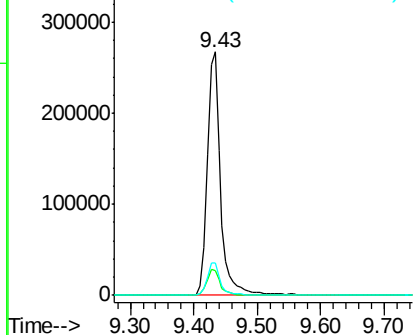
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	13.1	10.8	16.2

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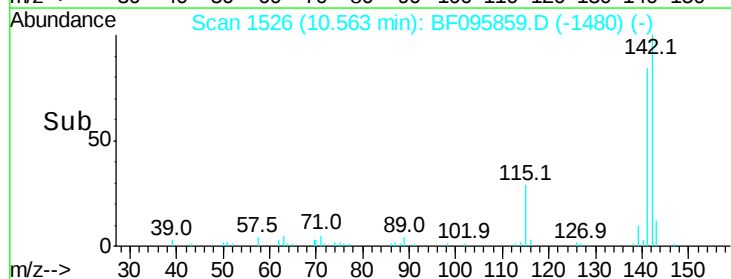
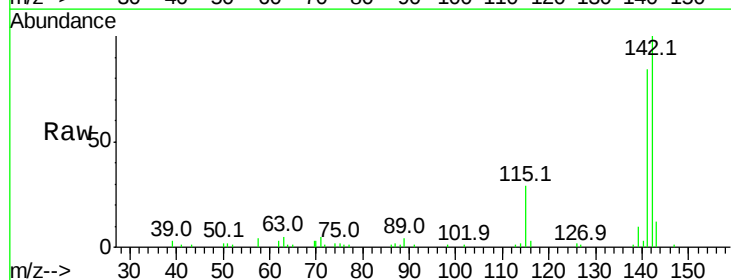
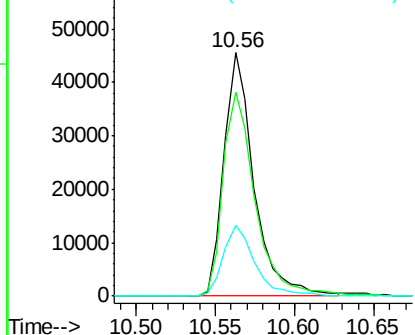
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

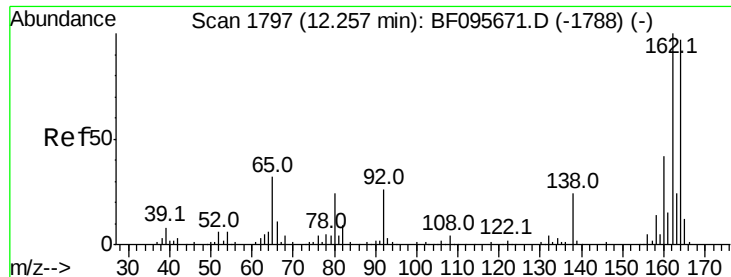


#37
2-Methylnaphthalene
Concen: 6.63 ng
RT: 10.56 min Scan# 1526
Delta R.T. -0.03 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	71.3	106.9
115	29.1	27.1	40.7

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





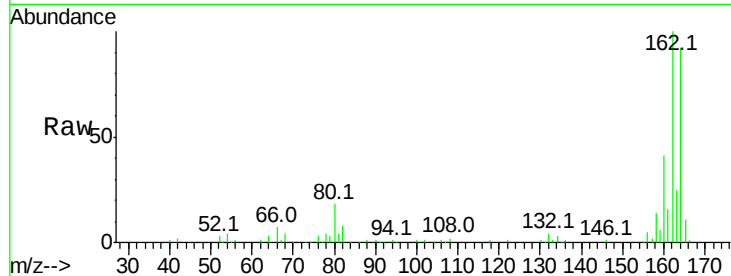
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
ClientSampleId :
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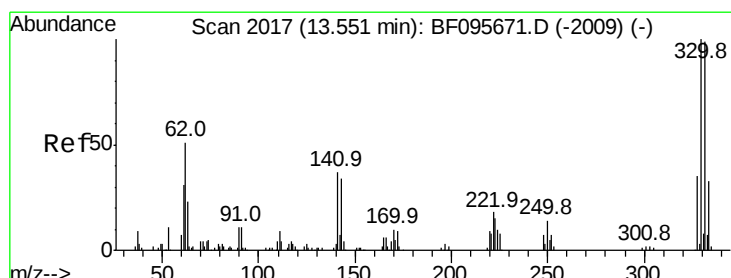
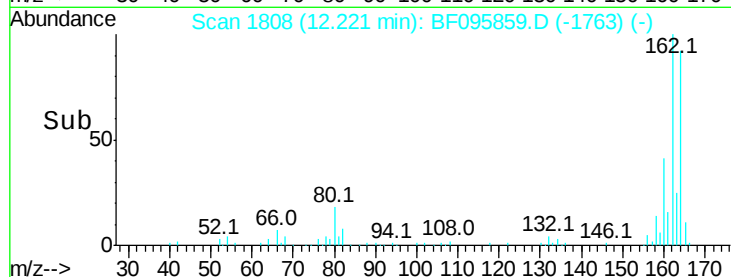
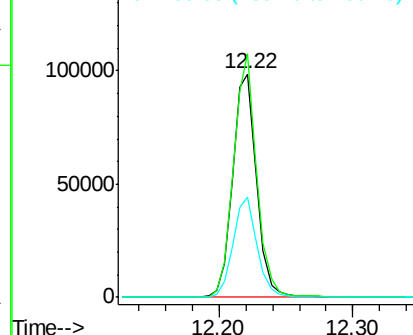
Tot Ion	Ratio	Resp	Lower	Upper
164	100	124014		
162	108.9	82.6	123.8	
160	44.8	36.2	54.2	

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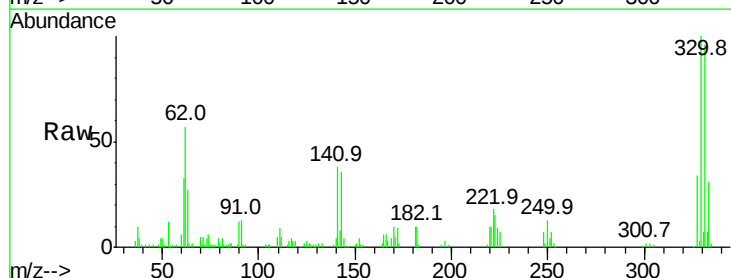


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

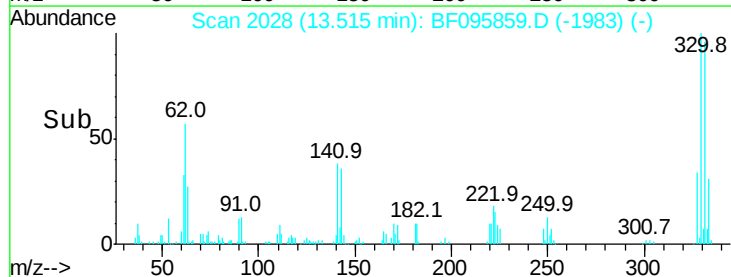
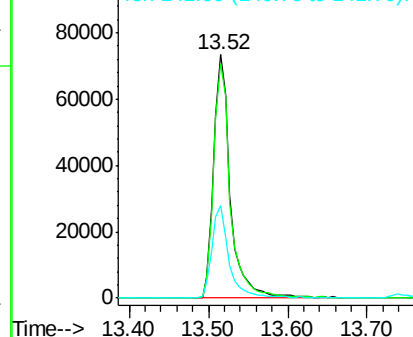


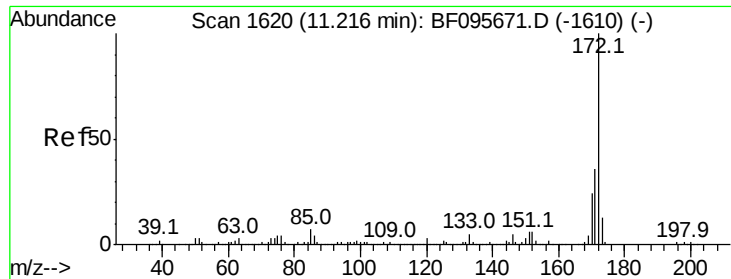
#41
2,4,6-Tribromophenol
Concen: 98.34 ng
RT: 13.52 min Scan# 2028
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	107900		
332	96.9	76.6	115.0	
141	38.5	31.4	47.2	



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





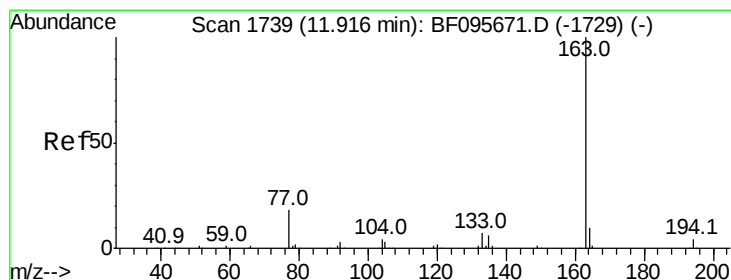
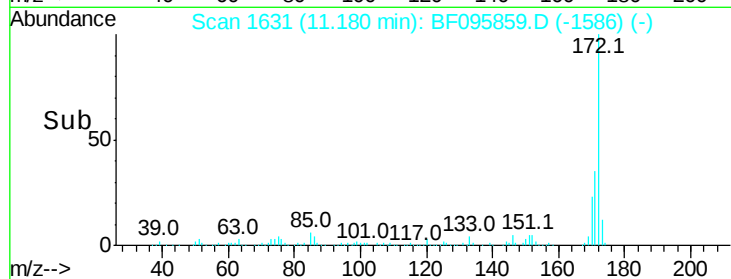
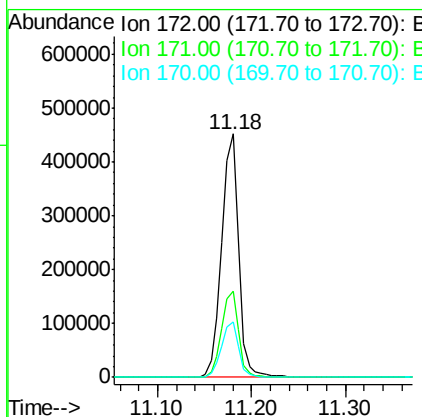
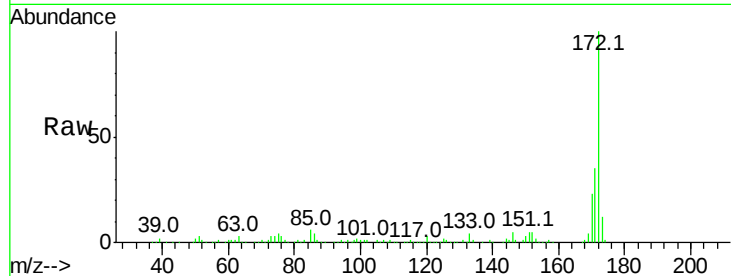
#44
2-Fluorobiphenyl
Concen: 64.56 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
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Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2		29.6	44.4
170	23.0		19.8	29.8

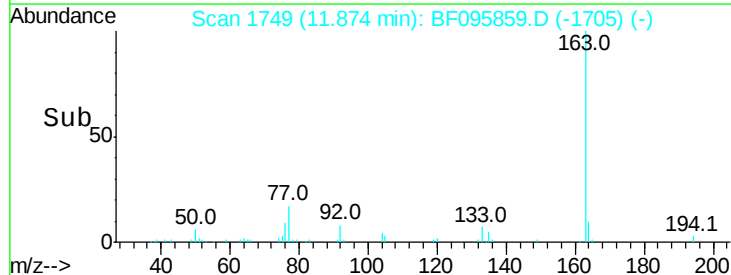
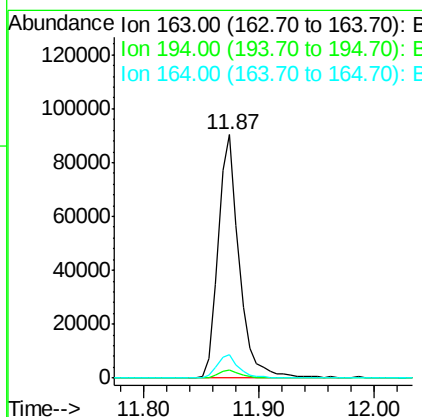
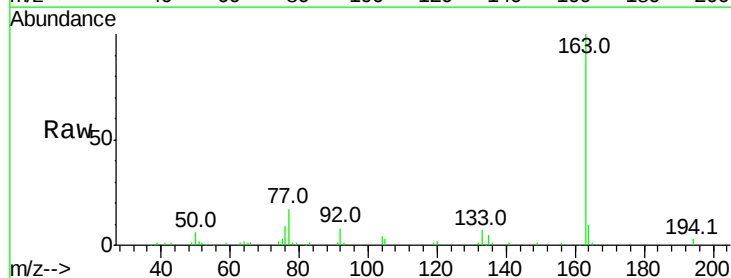
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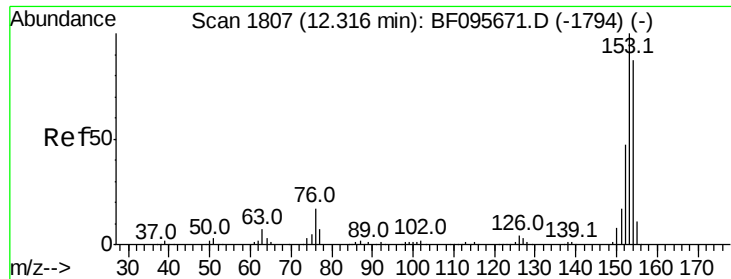
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#49
Dimethylphthalate
Concen: 12.19 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2		2.6	4.0
164	9.8		8.4	12.6





#51

Acenaphthene

Concen: 11.12 ng

RT: 12.27 min Scan# 1816

Delta R.T. -0.05 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Instrument :

BNA_F

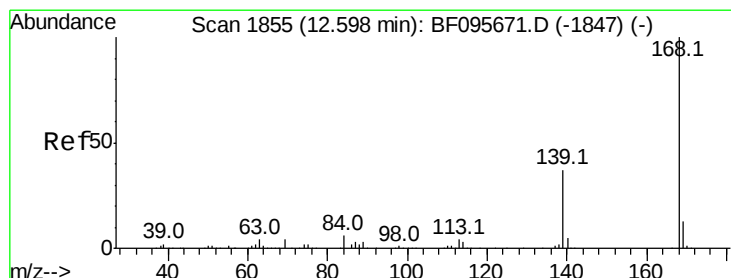
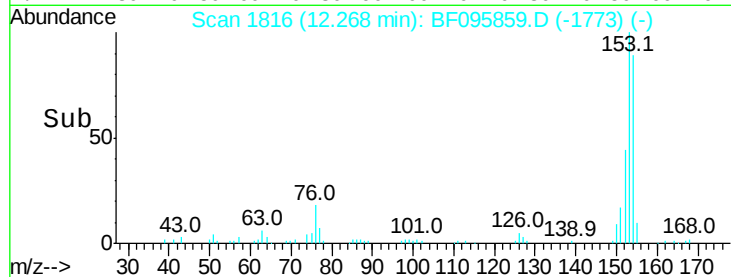
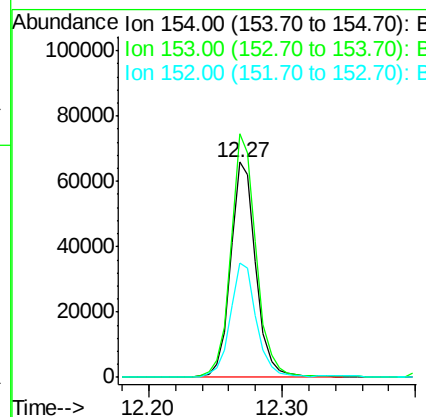
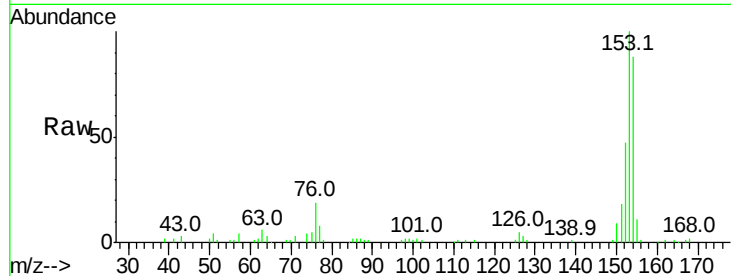
ClientSampleId :

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Tot Ion:	154	Resp:	87686
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.5	135.7
152	53.1	43.6	65.4

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#54

Dibenzofuran

Concen: 8.64 ng

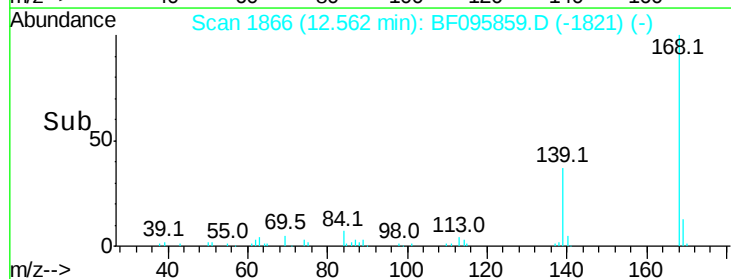
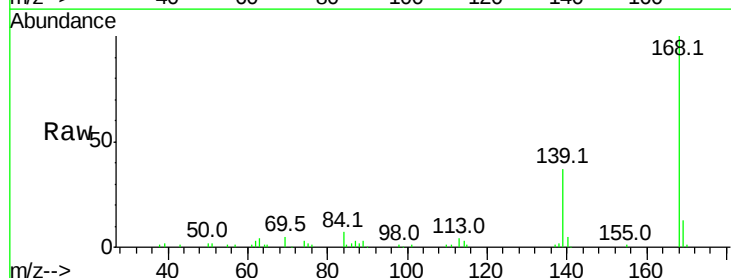
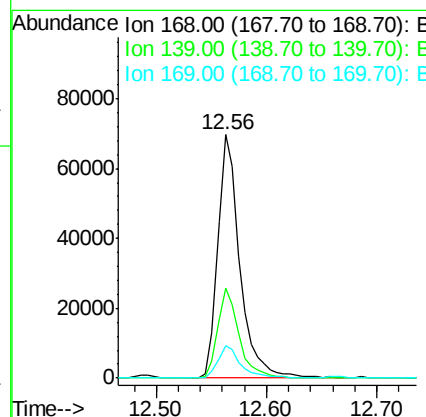
RT: 12.56 min Scan# 1866

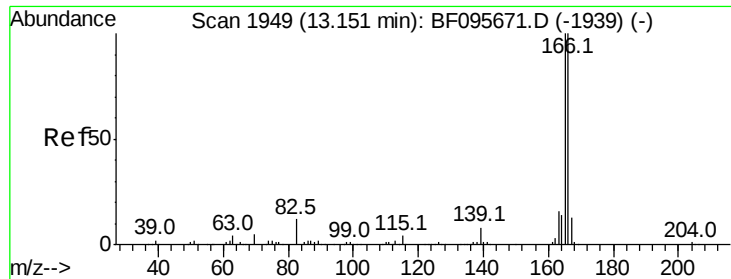
Delta R.T. -0.04 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Tgt Ion:	168	Resp:	95880
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.6	45.8
169	13.1	10.8	16.2





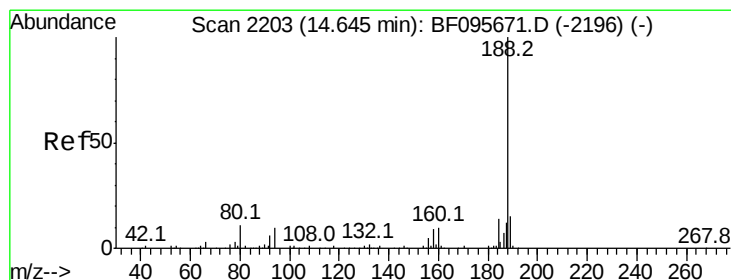
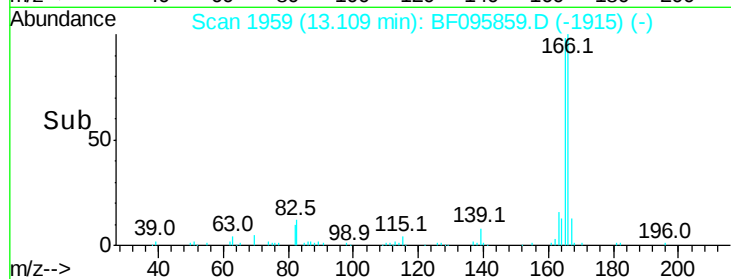
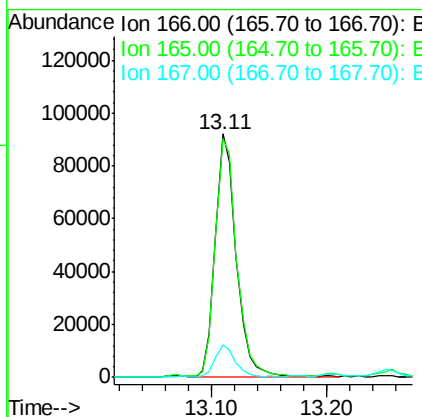
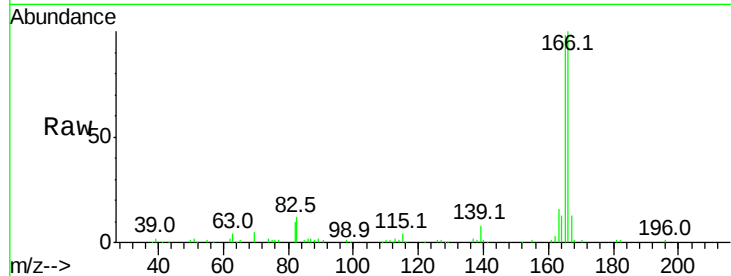
#57
Fluorene
 Concen: 11.89 ng
 RT: 13.11 min Scan# 1959
 Delta R.T. -0.04 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.8	118.2
167	13.1	10.6	16.0

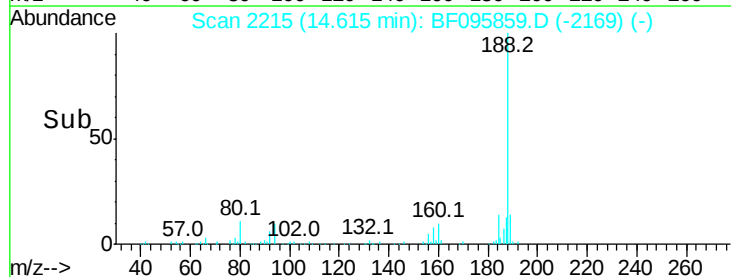
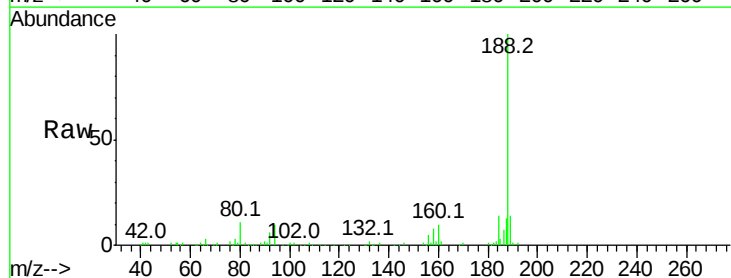
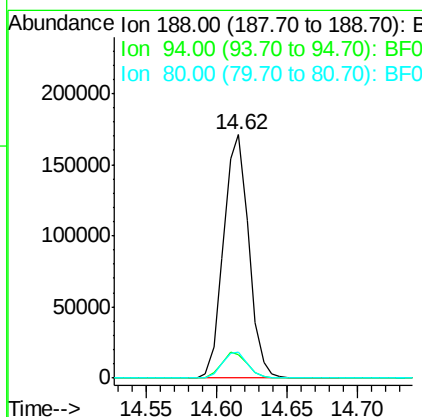
Manual Integrations
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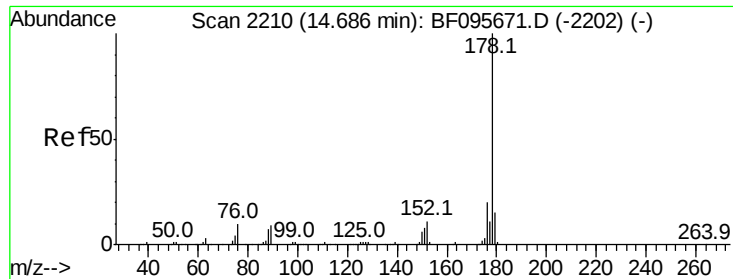
mohammad
 6/12/2017 1:28:26 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.62 min Scan# 2215
 Delta R.T. -0.03 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.7	10.2	15.2





#70

Phenanthrene

Concen: 35.88 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Instrument :

BNA_F

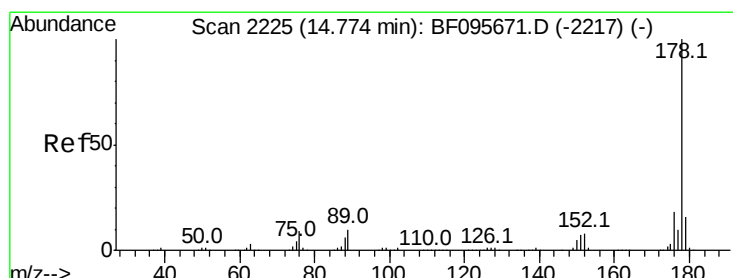
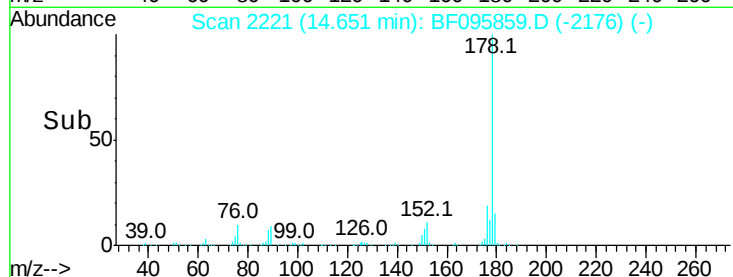
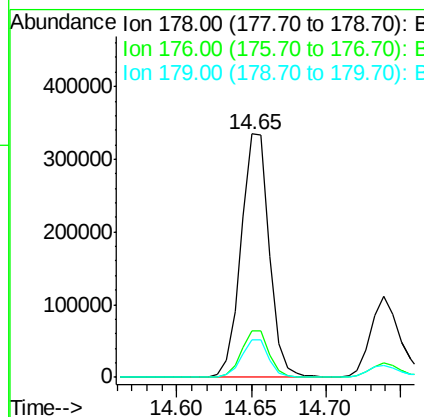
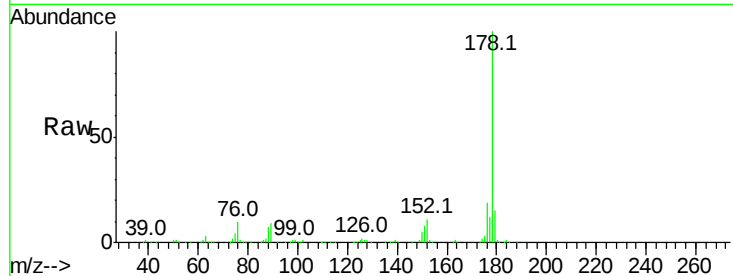
ClientSampleId :

VNJ-226-COMP

Tot Ion:	178	Resp:	439529
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	15.4	12.6	19.0

Manual Integrations
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#71

Anthracene

Concen: 11.88 ng

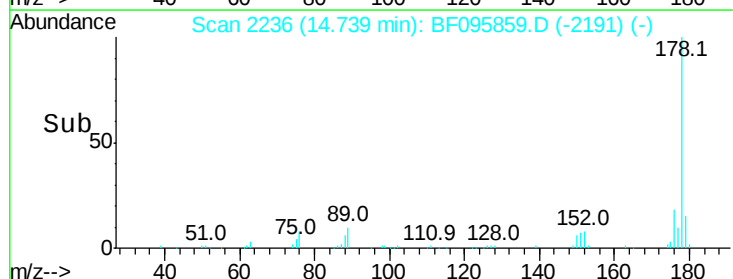
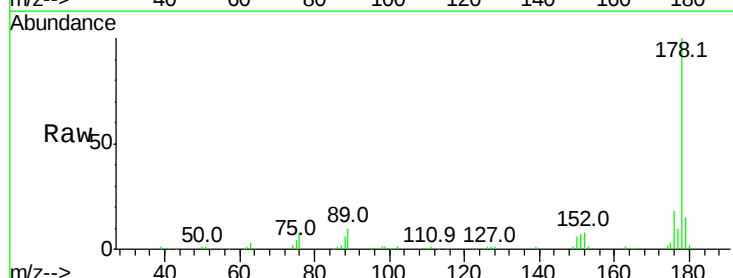
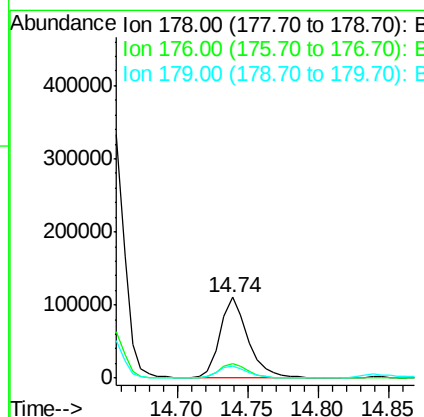
RT: 14.74 min Scan# 2236

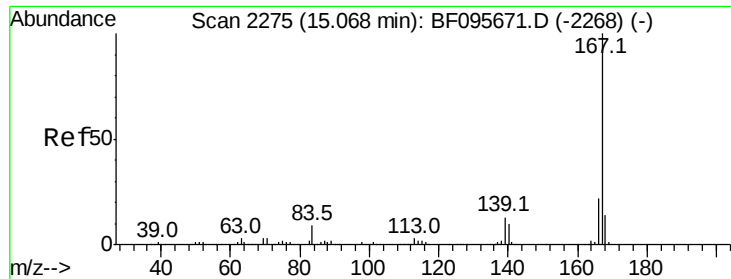
Delta R.T. -0.04 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Tgt Ion:	178	Resp:	151887
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.8	23.8
179	15.5	12.7	19.1





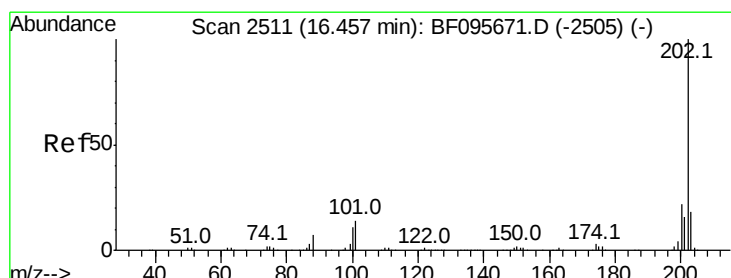
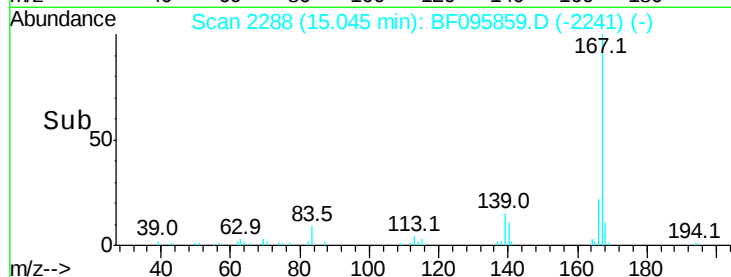
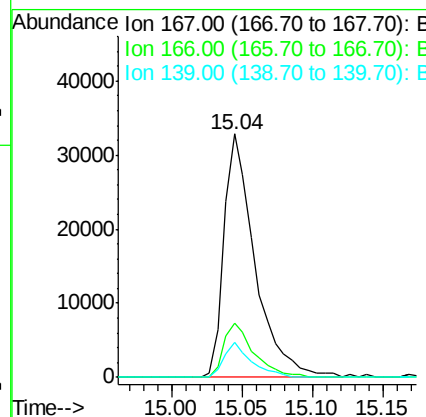
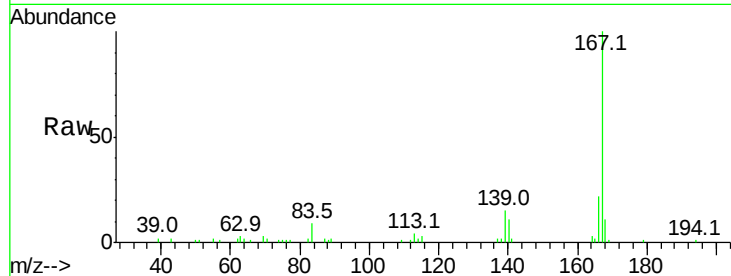
#72
 Carbazole
 Concen: 4.03 ng
 RT: 15.04 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	14.5	11.7	17.5

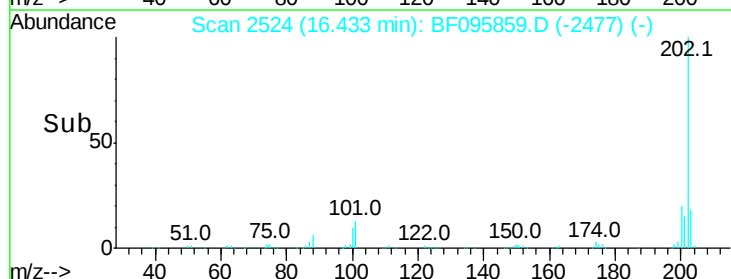
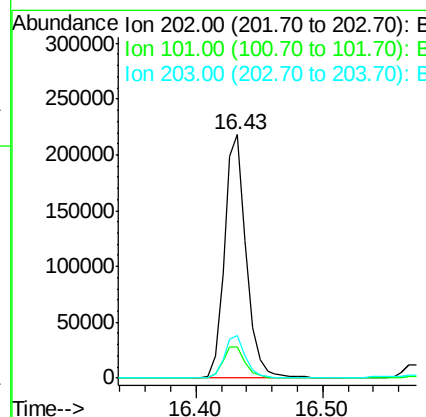
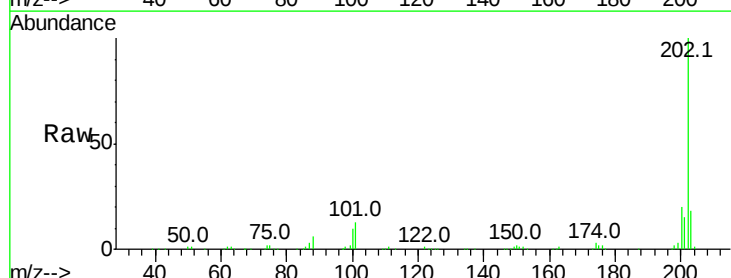
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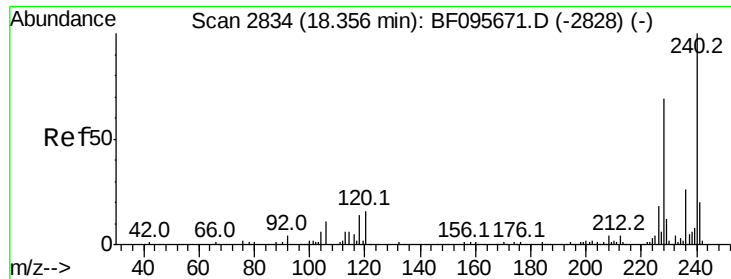
mohammad
 6/12/2017 1:28:26 PM



#74
 Fluoranthene
 Concen: 21.42 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	38.1





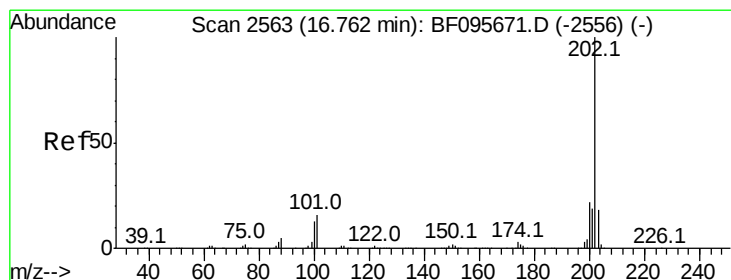
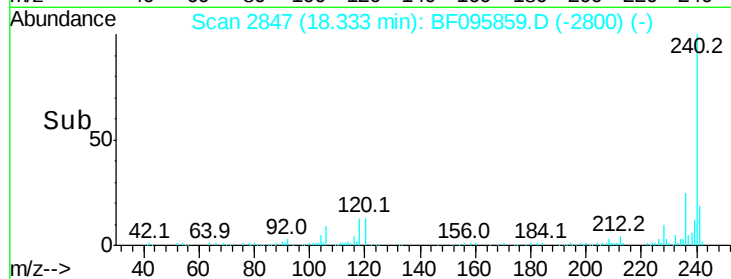
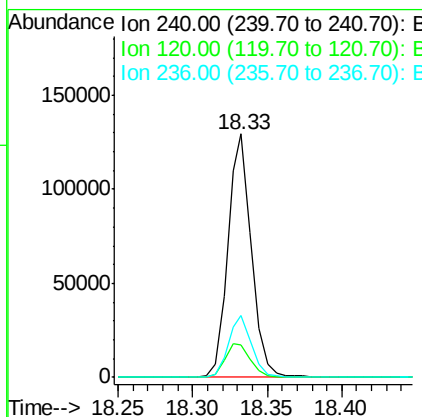
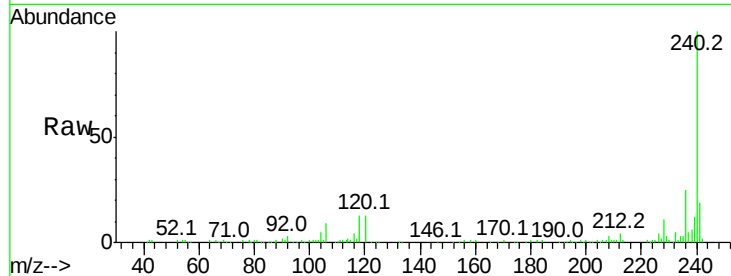
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.3	5.8	8.8#	
236	25.2	20.5	30.7	

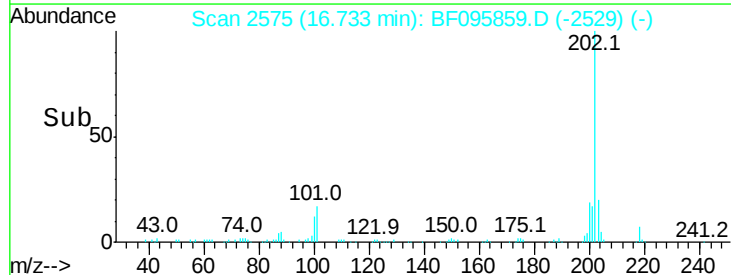
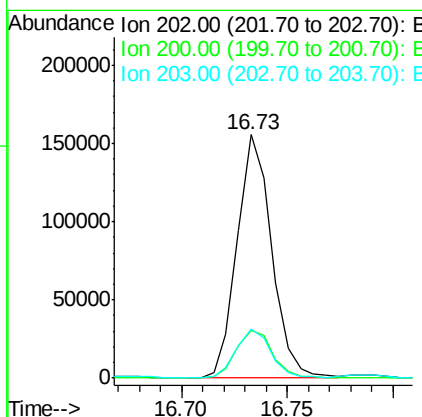
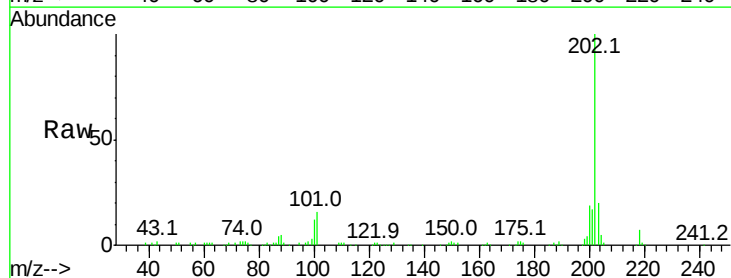
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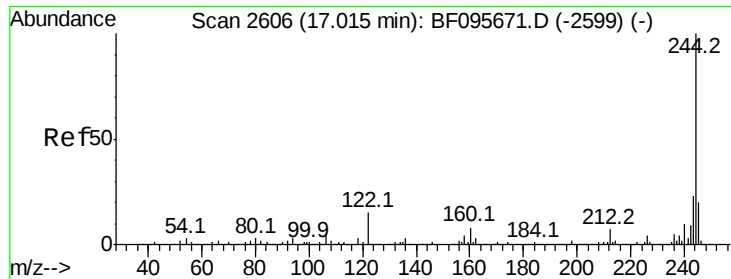
mohammad
 6/12/2017 1:28:26 PM



#77
 Pyrene
 Concen: 16.62 ng
 RT: 16.73 min Scan# 2575
 Delta R.T. -0.03 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.4	17.6	26.4	
203	20.4	14.4	21.6	





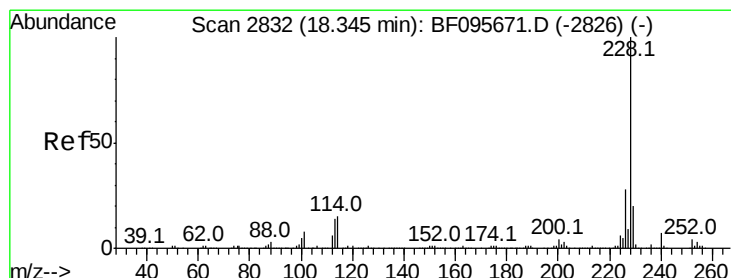
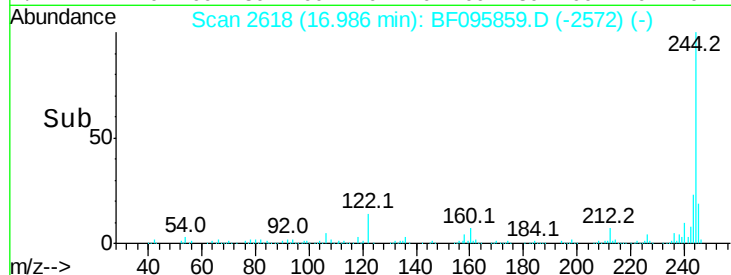
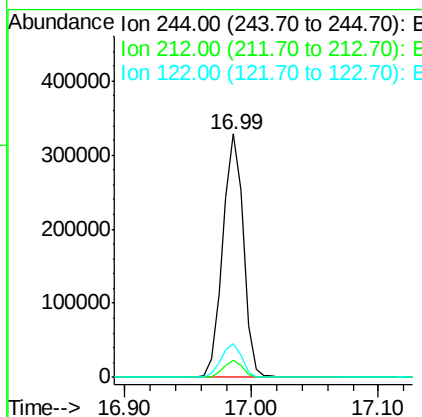
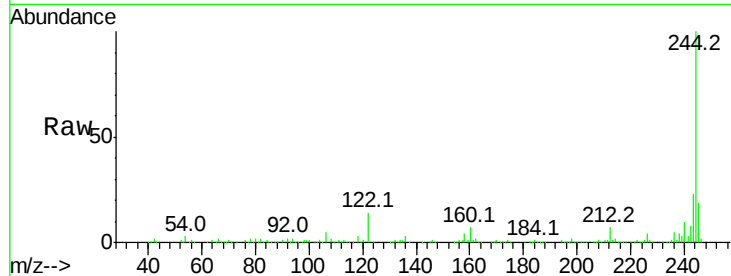
#78
 Terphenyl-d14
 Concen: 64.41 ng
 RT: 16.99 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5

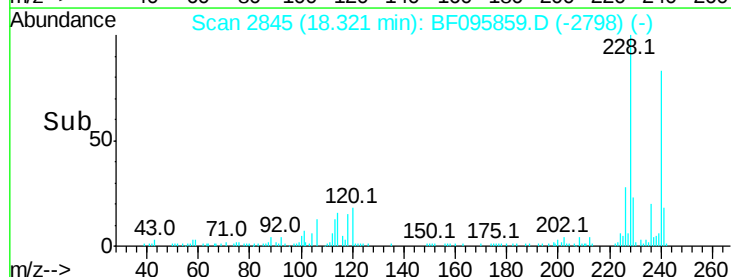
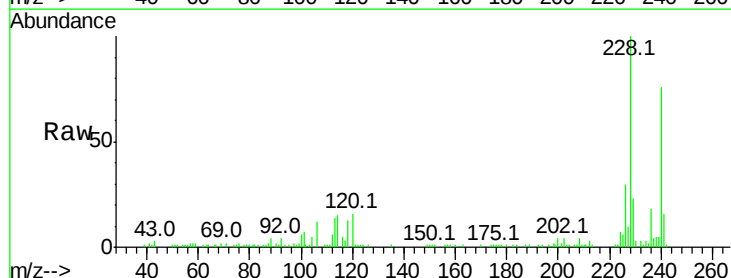
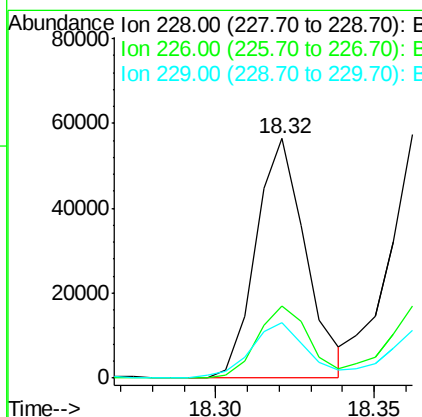
Manual Integrations
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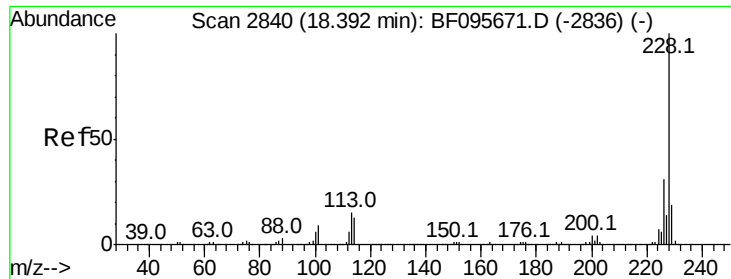
mohammad
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#80
 Benzo(a)anthracene
 Concen: 7.41 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	23.1	16.3	24.5





#82

Chrysene

Concen: 10.32 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Instrument :

BNA_F

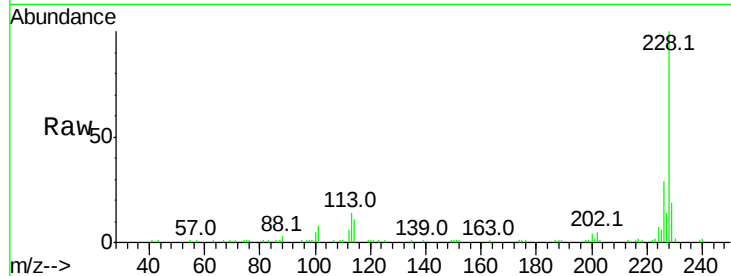
ClientSampleId :

VNJ-226-COMP

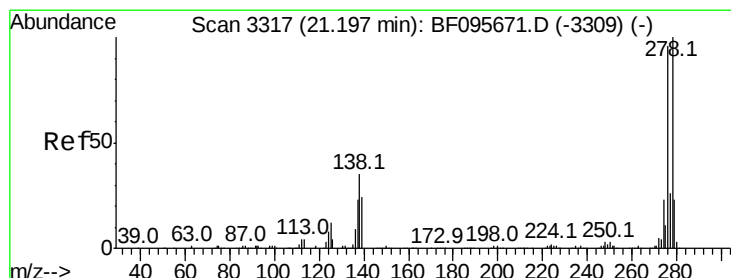
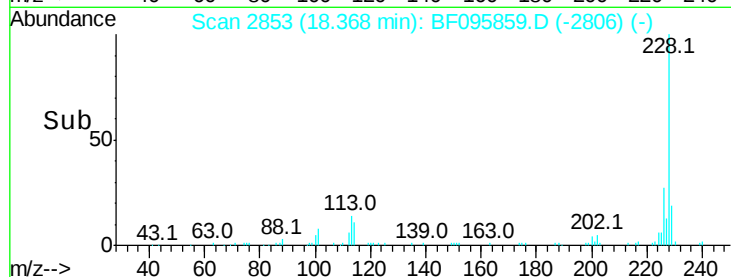
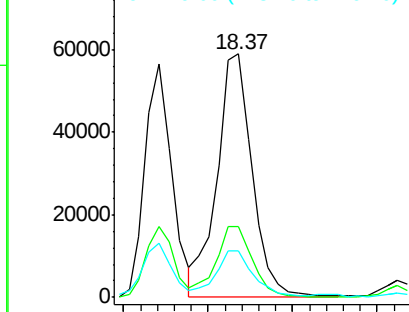
Tot Ion:	228	Resp:	85789
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.9	37.3
229	19.1	15.8	23.6

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.29 ng

RT: 21.19 min Scan# 3333

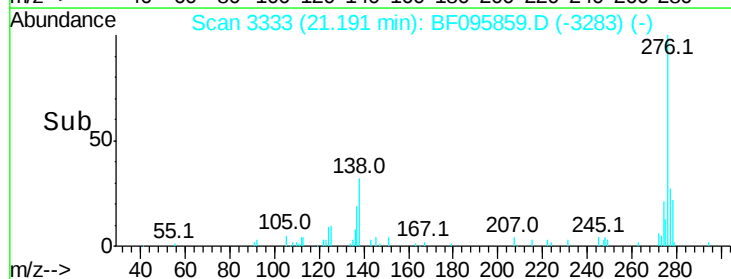
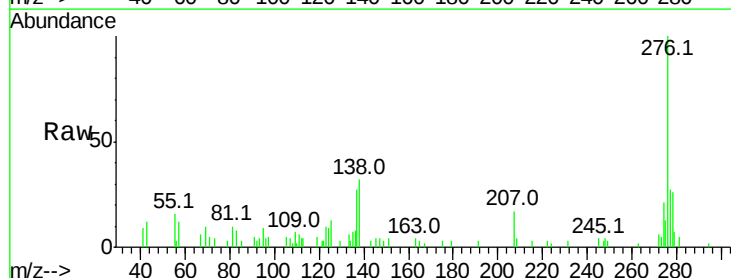
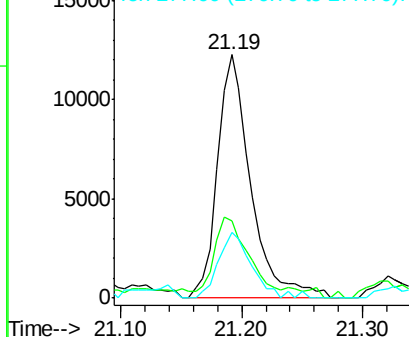
Delta R.T. -0.01 min

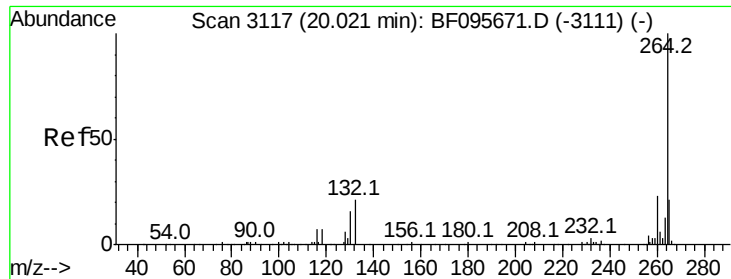
Lab File: BF095859.D

Acq: 10 Jun 2017 21:16

Tgt Ion:	276	Resp:	23425
Ion Ratio	Lower	Upper	
276	100		
138	37.9	27.8	41.6
277	25.9	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





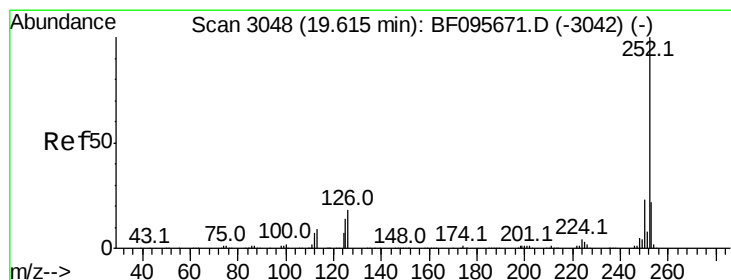
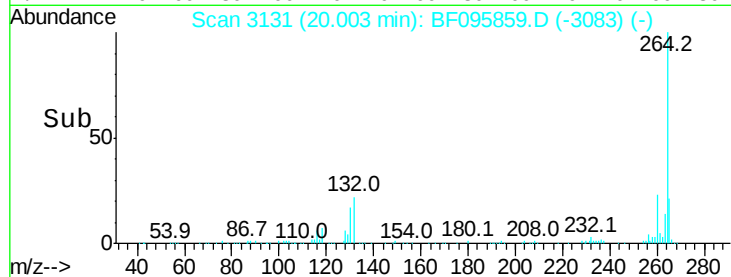
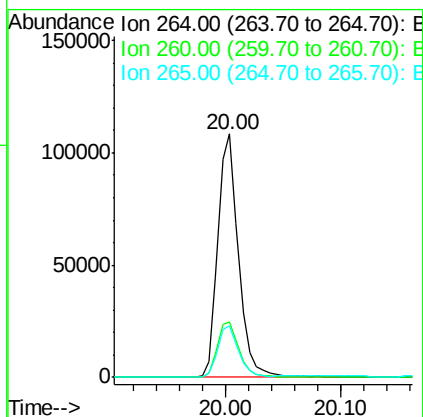
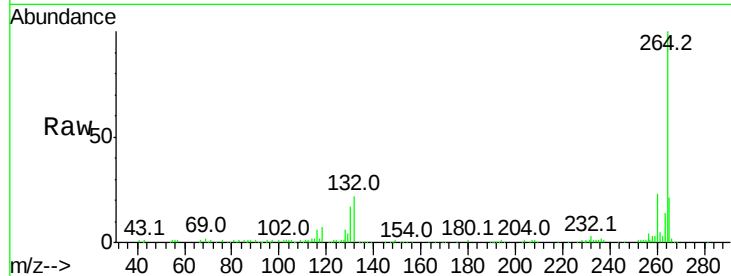
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
ClientSampleId :
VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.2	17.2	25.8

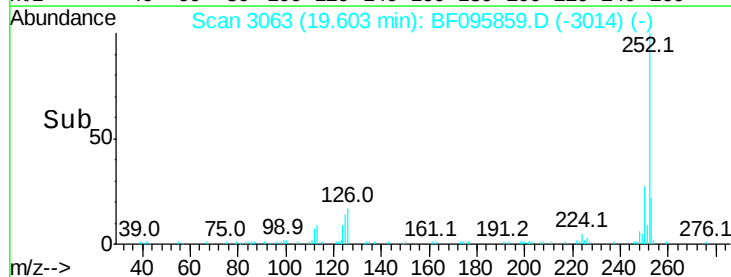
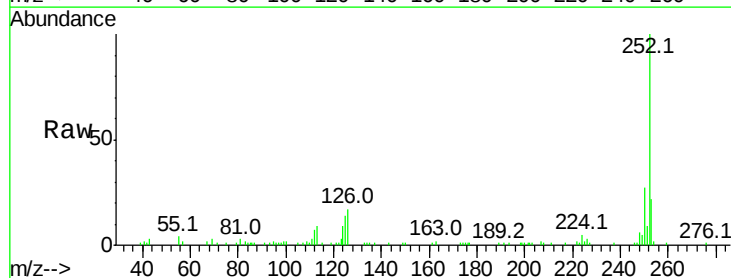
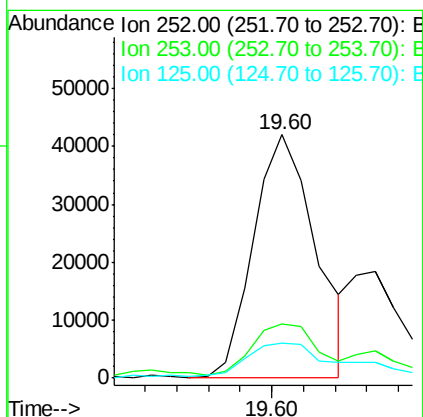
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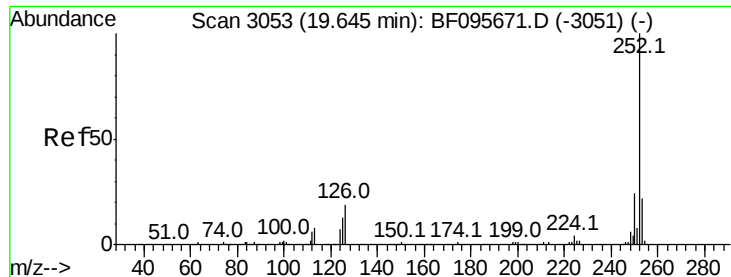
mohammad
6/12/2017 1:28:26 PM



#87
Benzo(b)fluoranthene
Concen: 6.82 ng
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.5	9.8	14.8





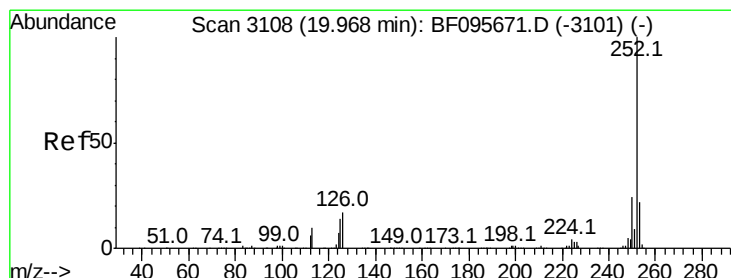
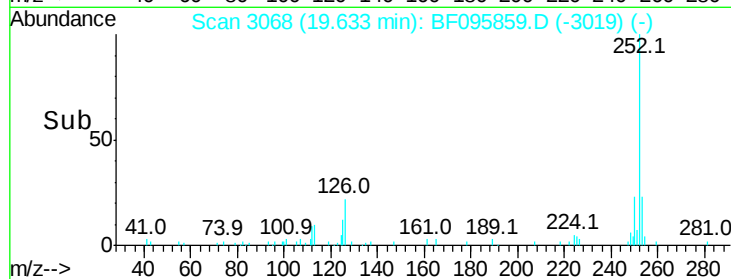
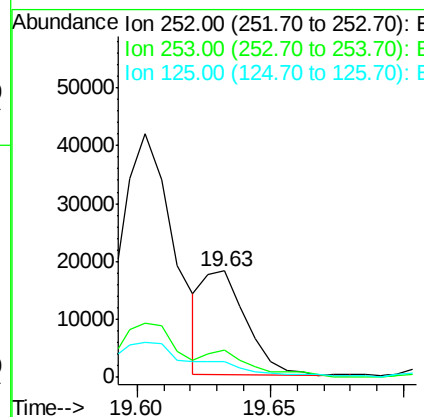
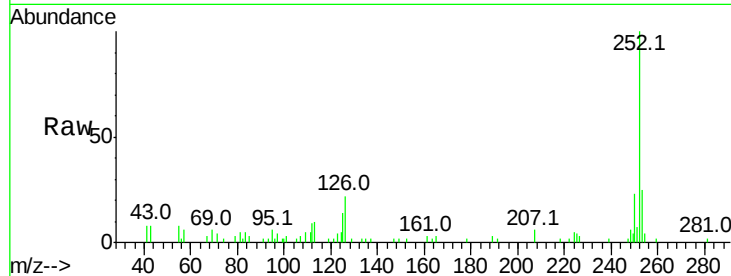
#88
Benzo(k)fluoranthene
Concen: 2.54 ng m
RT: 19.63 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Instrument :
BNA_F
ClientSampled :
VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	14.5	13.1	19.7

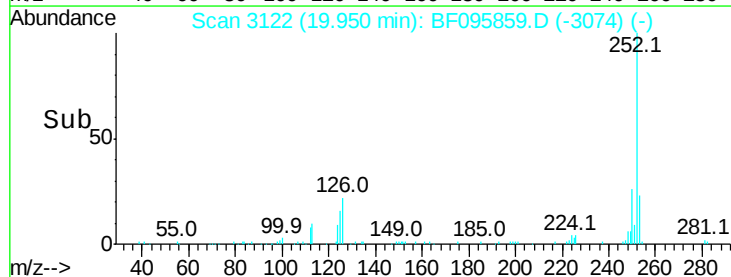
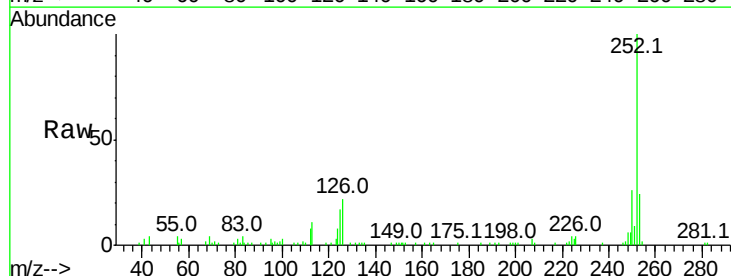
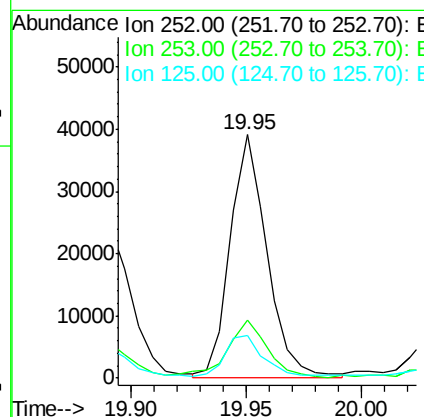
Manual Integrations
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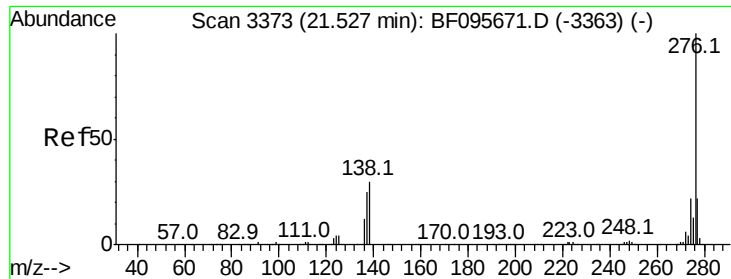
mohammad
6/12/2017 1:28:26 PM



#89
Benzo(a)pyrene
Concen: 5.62 ng
RT: 19.95 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BF095859.D
Acq: 10 Jun 2017 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	17.4	11.0	16.4





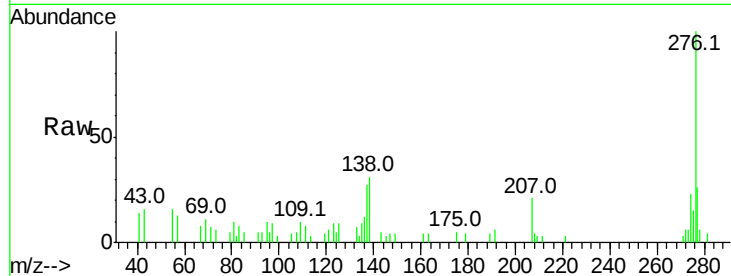
#91
 Benzo(a,h,i)perylene
 Concen: 3.29 ng
 RT: 21.53 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: BF095859.D
 Acq: 10 Jun 2017 21:16

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	30.7	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/12/2017 1:28:26 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

