

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095910.D
 Acq On : 14 Jun 2017 00:01
 Operator : SJ/MA
 Sample : I3634-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-KEARNY-COMP

Manual Integrations
 APPROVED

mohammad
 6/14/2017 4:25:00 PM

Quant Time: Jun 14 05:34:58 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	7.35	152	72275	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	277788	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	112760	20.00	ng	-0.06
63) Phenanthrene-d10	14.60	188	170170	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	136692	20.00	ng	-0.04
86) Perylene-d12	19.99	264	107560	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	537470	118.50	ng	-0.04
7) Phenol-d6	6.92	99	659225	121.40	ng	-0.04
23) Nitrobenzene-d5	8.27	82	370891	82.92	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	103558	103.80	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	642879	79.34	ng	-0.05
78) Terphenyl-d14	16.97	244	400332	72.68	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	9.42	128	84889	6.09	ng	100
49) Dimethylphthalate	11.86	163	115815	13.53	ng	99
51) Acenaphthene	12.25	154	20674	2.88	ng	99
54) Dibenzofuran	12.55	168	24079	2.39	ng	95
57) Fluorene	13.10	166	31689	3.61	ng	92
70) Phenanthrene	14.63	178	408358	41.59	ng	98
71) Anthracene	14.72	178	136866	13.35	ng	97
72) Carbazole	15.03	167	26281	2.63	ng	97
74) Fluoranthene	16.43	202	739861	76.13	ng	99
77) Pyrene	16.73	202	625489	61.33	ng	97
80) Benzo(a)anthracene	18.32	228	375910	47.30	ng	99
82) Chrysene	18.36	228	318805	40.14	ng	98
85) Indeno(1,2,3-cd)pyrene	21.16	276	145599	21.43	ng	92
87) Benzo(b)fluoranthene	19.59	252	373575m	55.47	ng	
88) Benzo(k)fluoranthene	19.61	252	94675m	14.71	ng	
89) Benzo(a)pyrene	19.94	252	265772	42.93	ng	97
90) Dibenzo(a,h)anthracene	21.16	278	39809m	7.58	ng	
91) Benzo(g,h,i)perylene	21.50	276	135055	25.23	ng	96

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

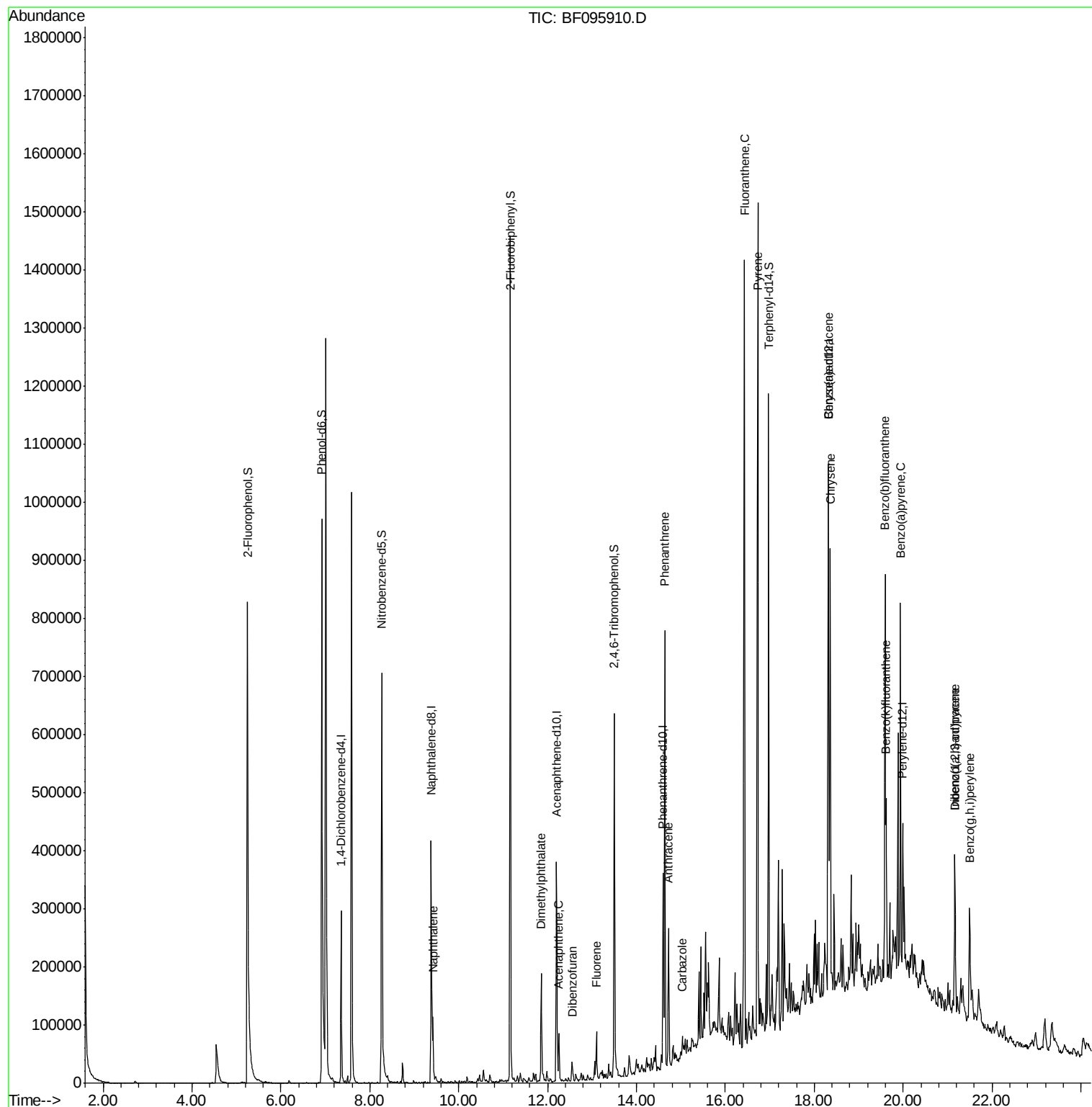
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
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#1

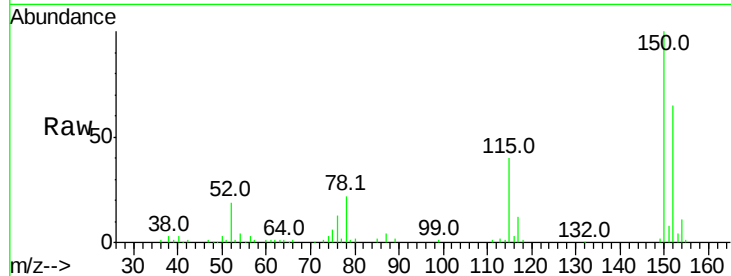
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

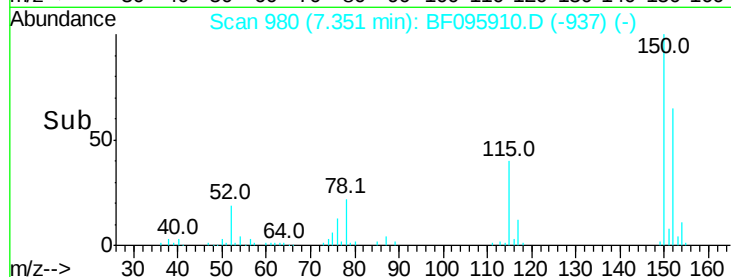
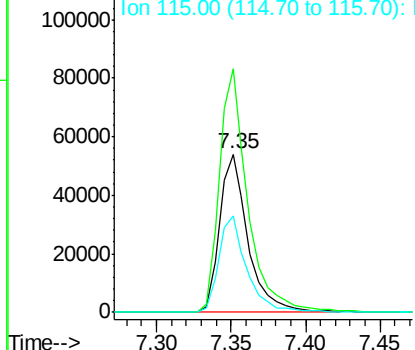
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	60.9	52.2	78.2

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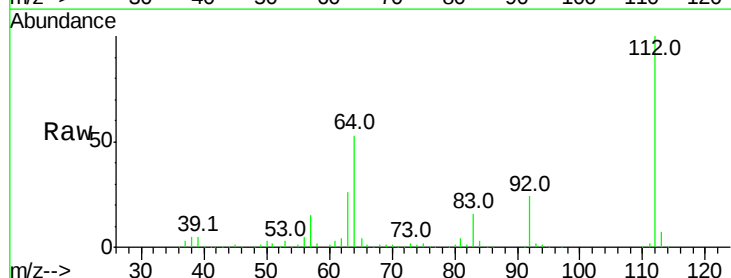
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



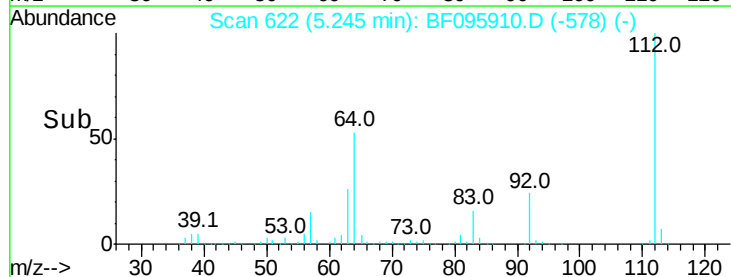
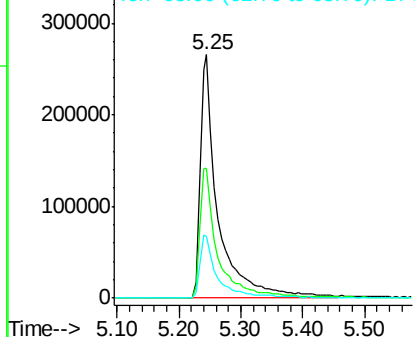
#5

2-Fluorophenol
Concen: 118.50 ng
RT: 5.25 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	25.5	23.4	35.0



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





#7

Phenol-d6

Concen: 121.40 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Instrument :

BNA_F

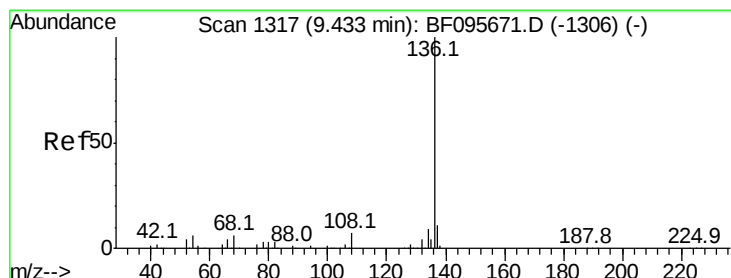
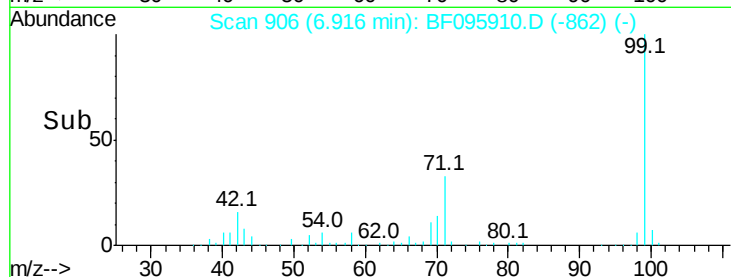
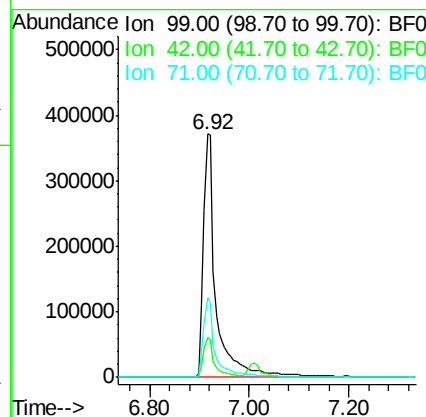
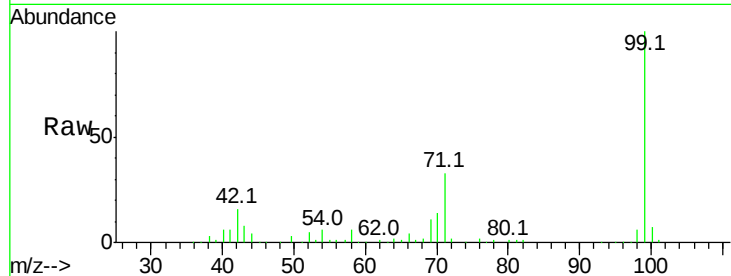
ClientSampleId :

SP-KEARNY-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		659225		
42	16.2	13.5	20.3		
71	32.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

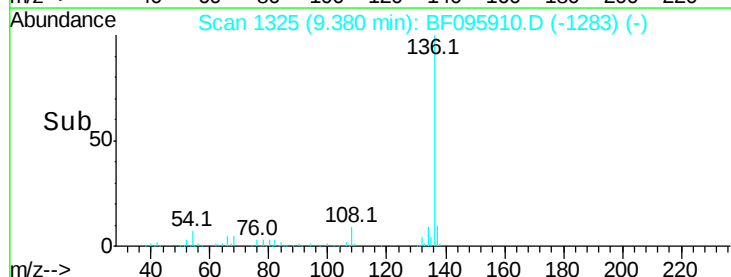
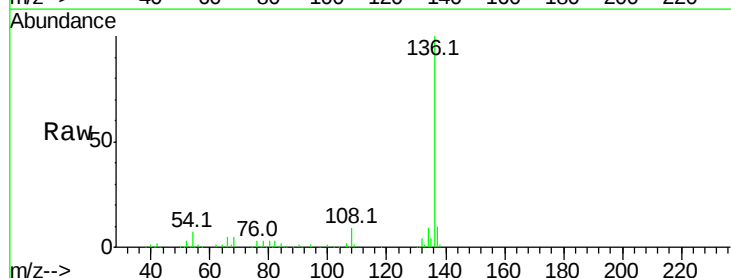
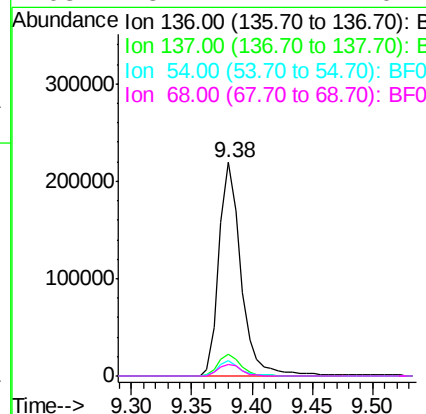
RT: 9.38 min Scan# 1325

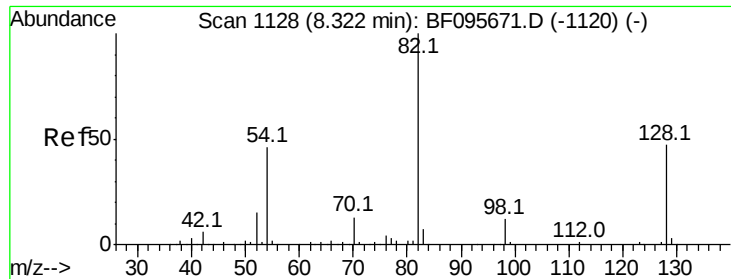
Delta R.T. -0.05 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		277788		
137	10.5	8.5	12.7		
54	7.0	4.9	7.3		
68	5.4	4.1	6.1		





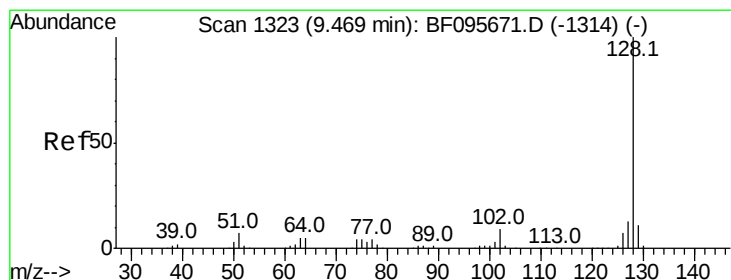
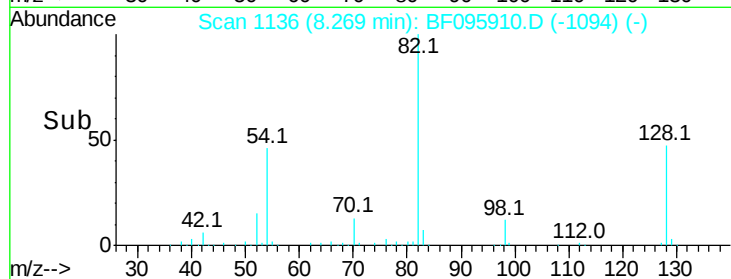
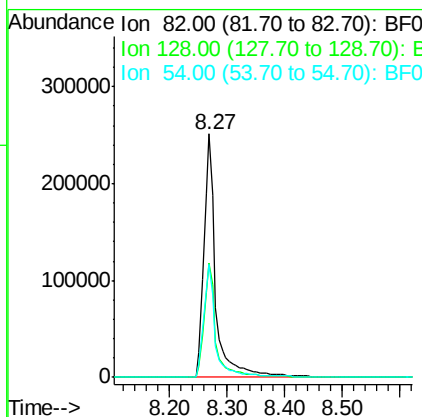
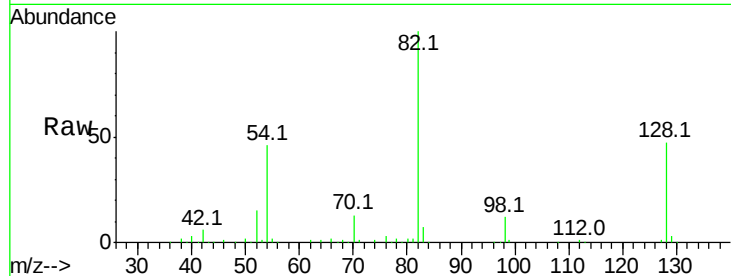
#23
 Nitrobenzene-d5
 Concen: 82.92 ng
 RT: 8.27 min Scan# 1136
 Delta R.T. -0.05 min
 Lab File: BF095910.D
 Acq: 14 Jun 2017 00:01

Instrument :
 BNA_F
 ClientSampleId :
 SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	46.2	42.2	63.2

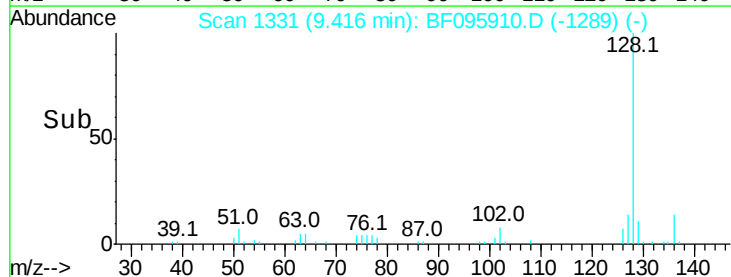
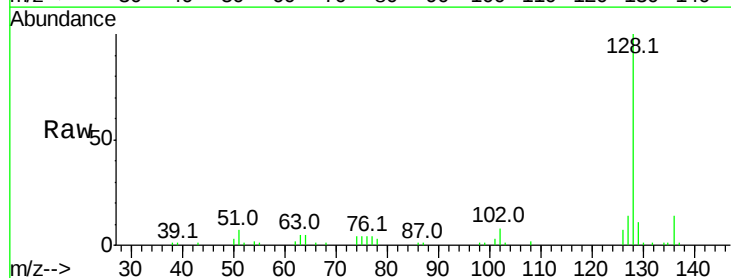
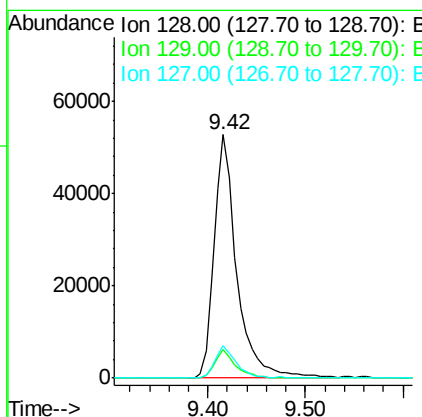
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#31
 Naphthalene
 Concen: 6.09 ng
 RT: 9.42 min Scan# 1331
 Delta R.T. -0.05 min
 Lab File: BF095910.D
 Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.5	10.8	16.2





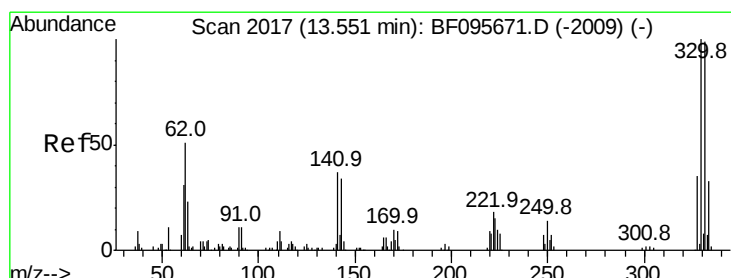
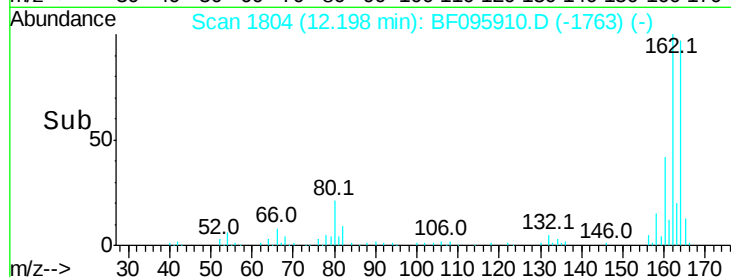
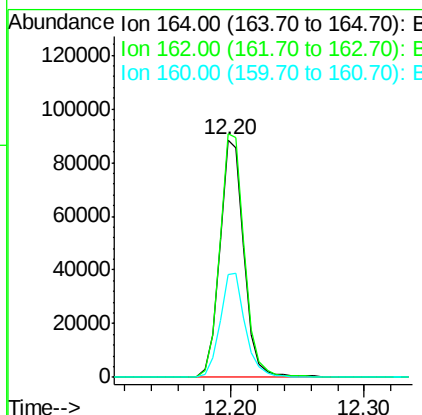
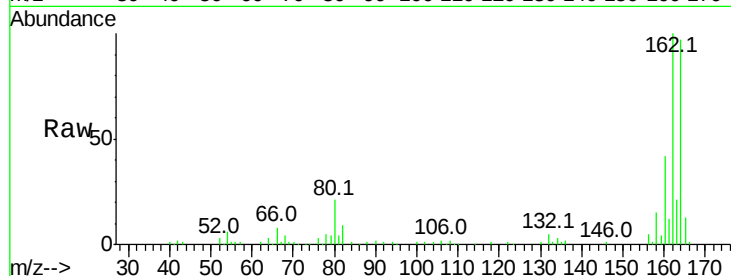
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1804
Delta R.T. -0.06 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	43.4	36.2	54.2

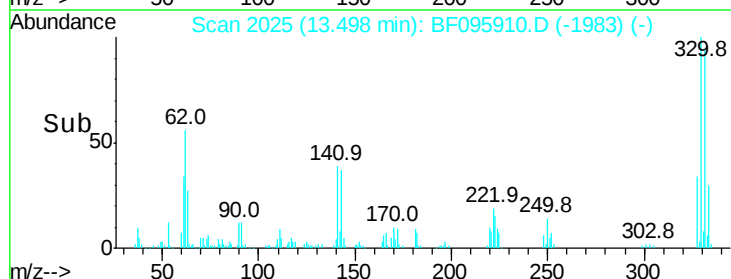
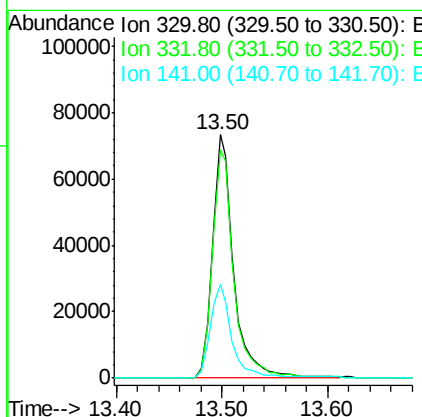
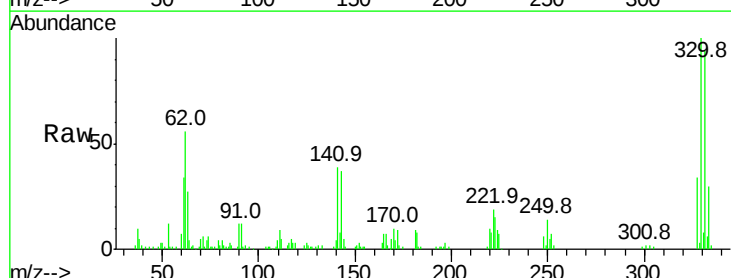
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#41
2,4,6-Tribromophenol
Concen: 103.80 ng
RT: 13.50 min Scan# 2025
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	38.9	31.4	47.2





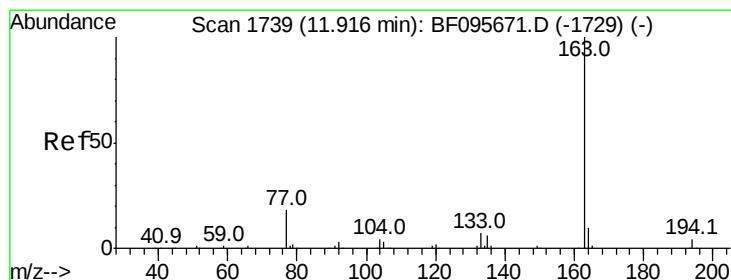
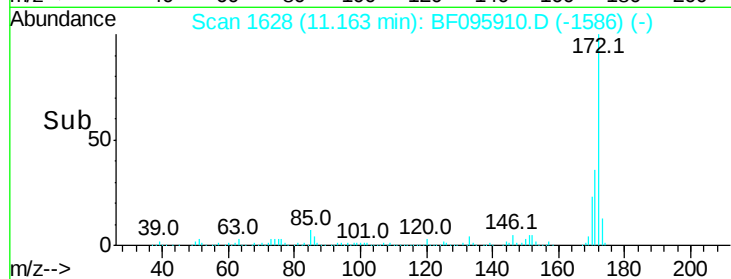
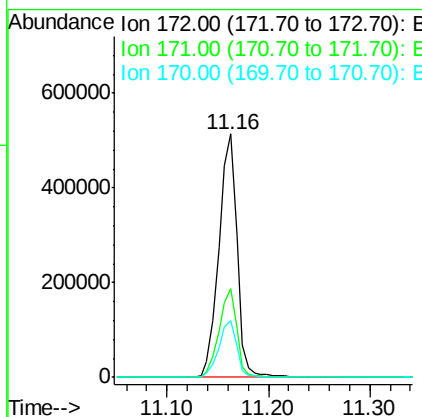
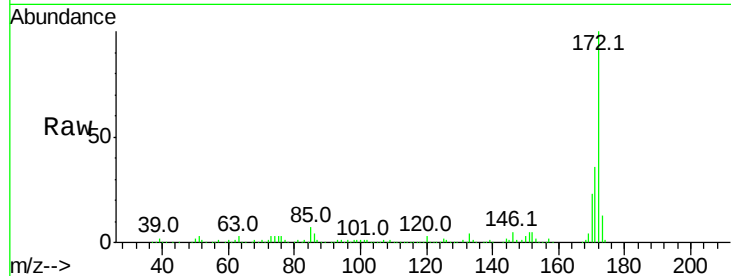
#44
2-Fluorobiphenyl
Concen: 79.34 ng
RT: 11.16 min Scan# 1628
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.8	29.8

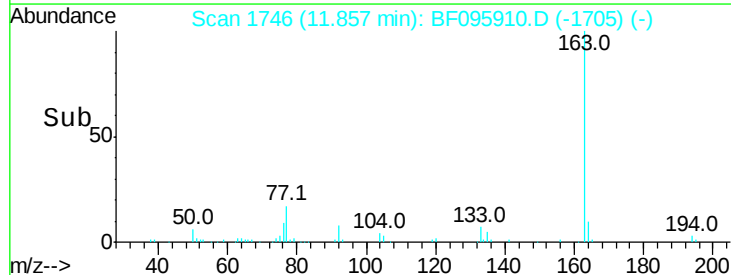
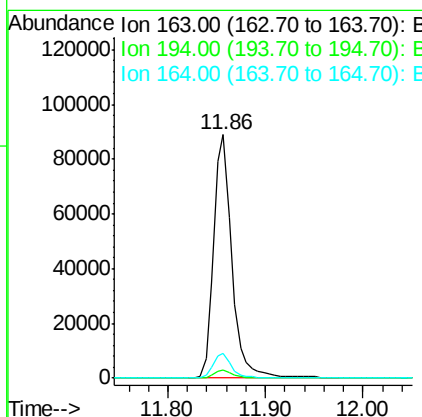
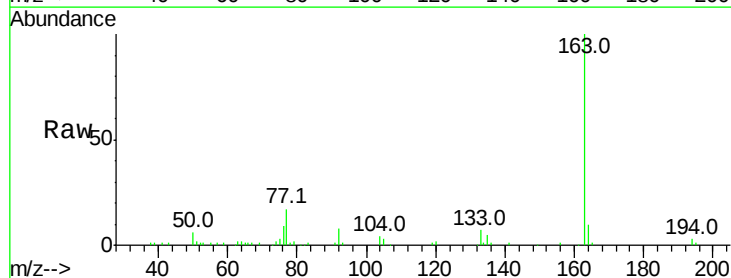
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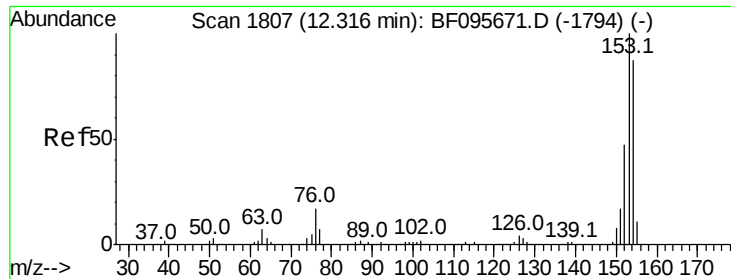
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#49
Dimethylphthalate
Concen: 13.53 ng
RT: 11.86 min Scan# 1746
Delta R.T. -0.06 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6





#51

Acenaphthene

Concen: 2.88 ng

RT: 12.25 min Scan# 1813

Delta R.T. -0.06 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Instrument :

BNA_F

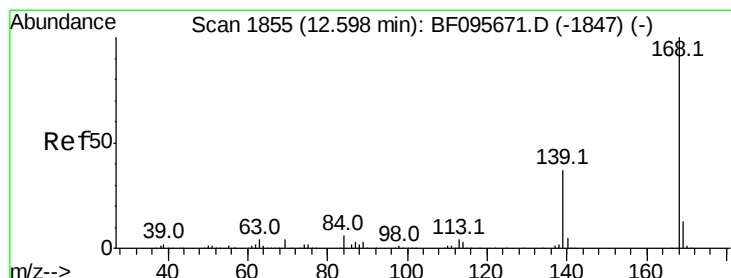
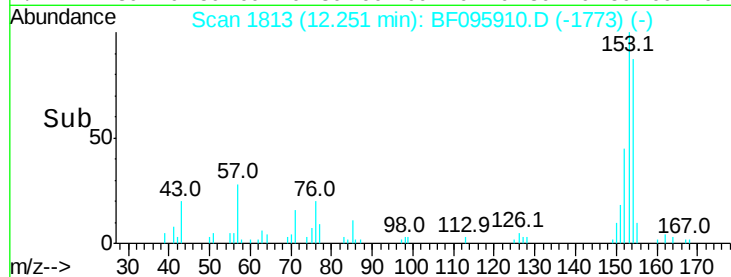
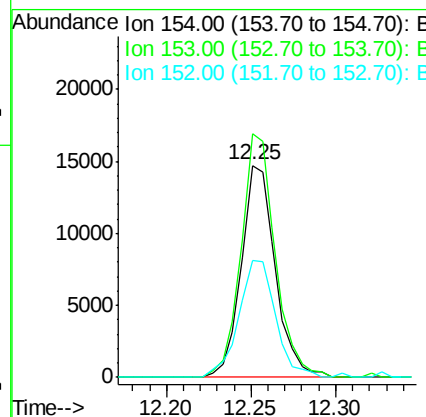
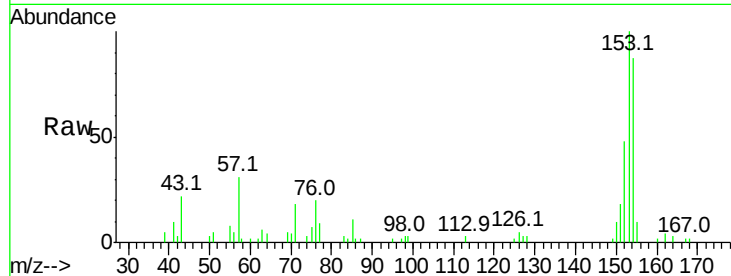
ClientSampleId :

SP-KEARNY-COMP

Tot Ion:	154	Resp:	20674
Ion Ratio	Lower	Upper	
154	100		
153	114.7	90.5	135.7
152	54.8	43.6	65.4

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#54

Dibenzofuran

Concen: 2.39 ng

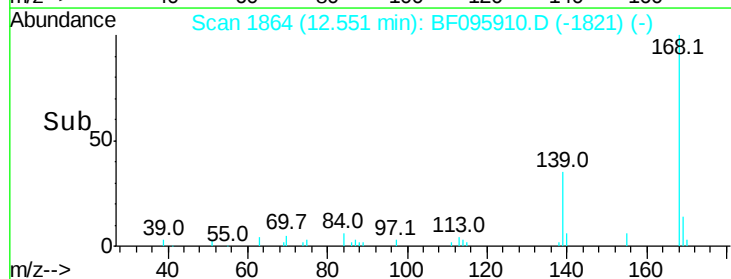
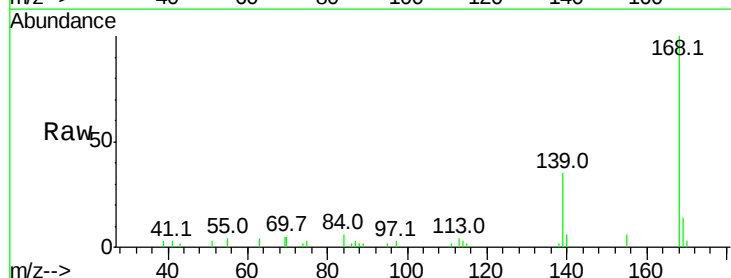
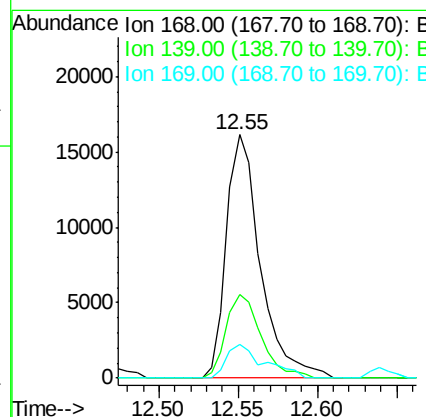
RT: 12.55 min Scan# 1864

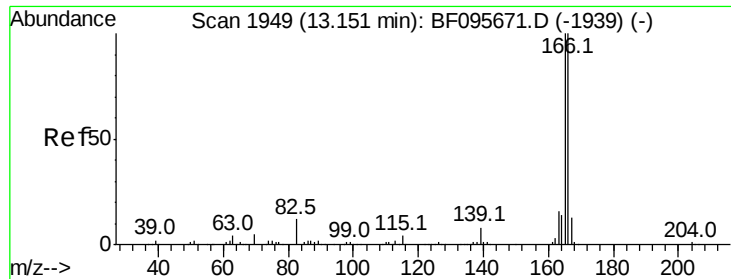
Delta R.T. -0.05 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Tgt Ion:	168	Resp:	24079
Ion Ratio	Lower	Upper	
168	100		
139	34.5	30.6	45.8
169	13.7	10.8	16.2





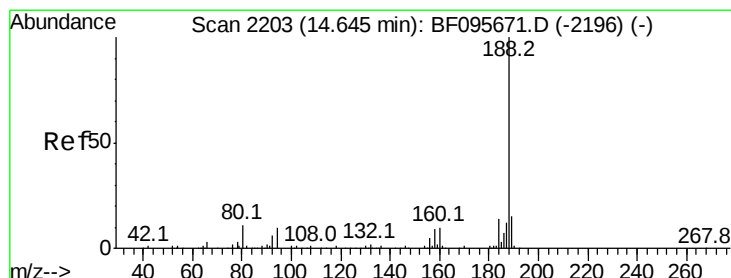
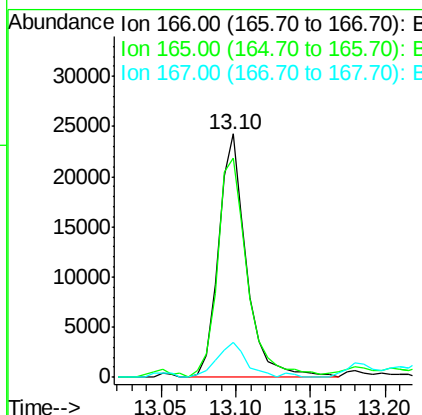
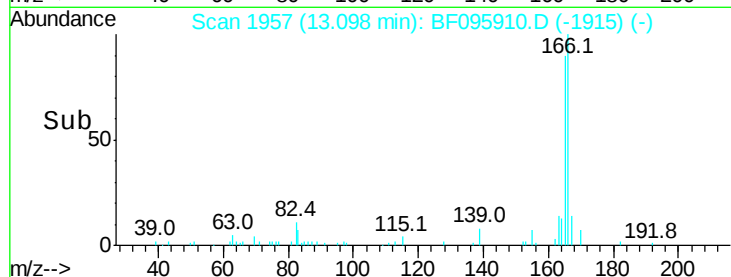
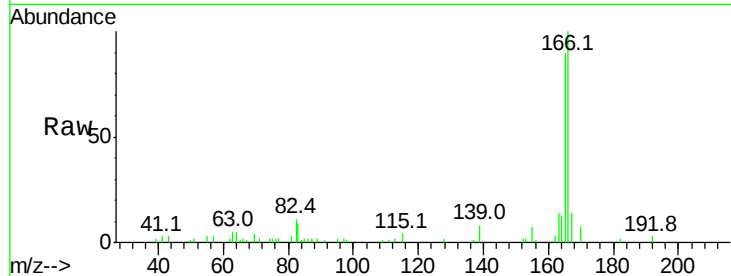
#57
Fluorene
Concen: 3.61 ng
RT: 13.10 min Scan# 1957
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	90.2	78.8	118.2
167	14.4	10.6	16.0

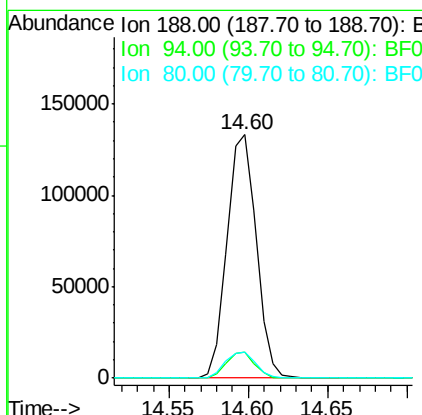
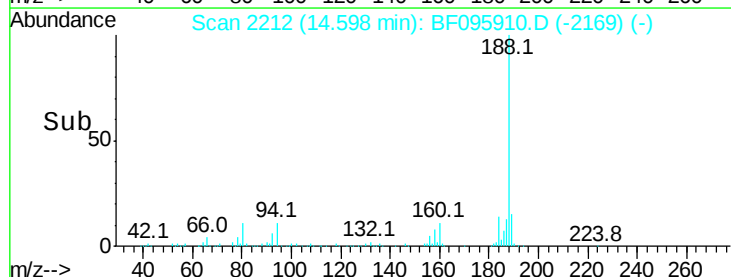
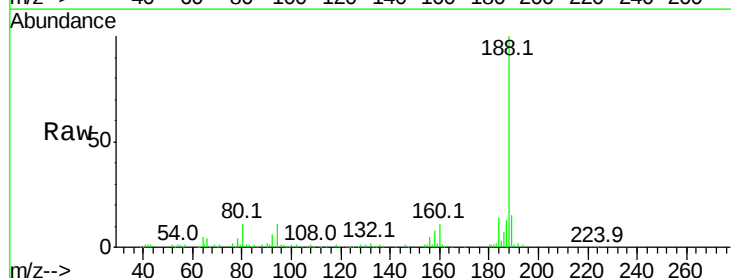
Manual Integrations
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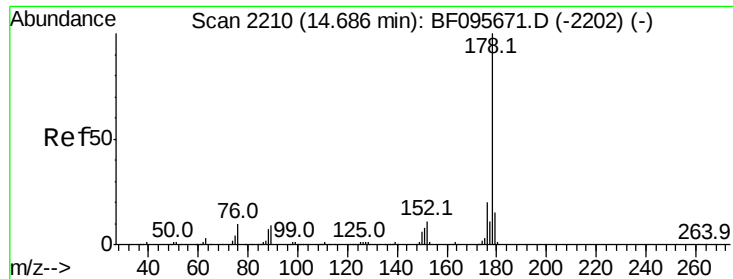
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	10.9	10.2	15.2





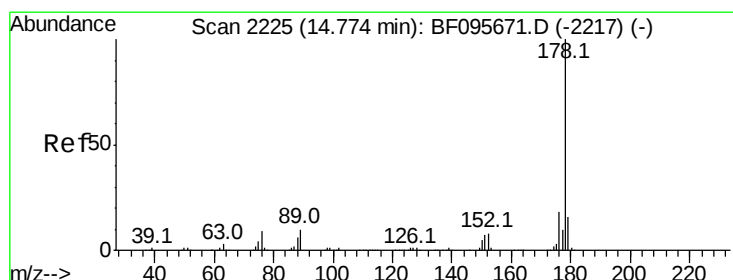
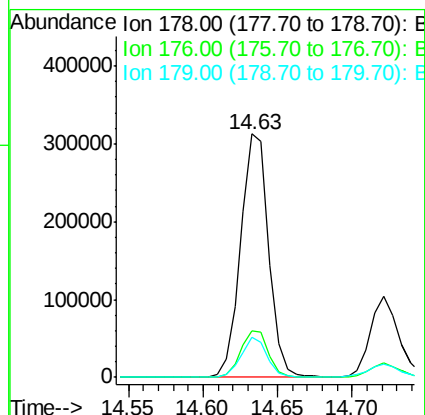
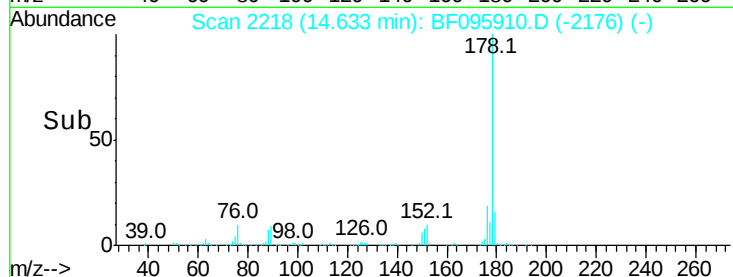
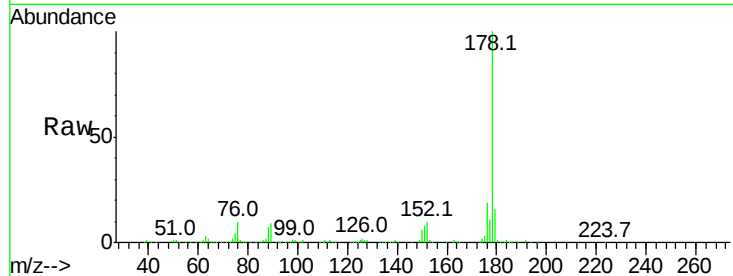
#70
Phenanthrene
Concen: 41.59 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	16.3	12.6	19.0

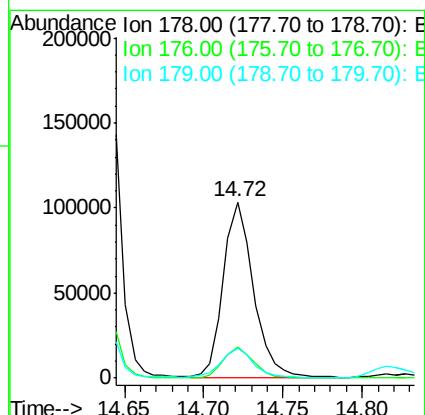
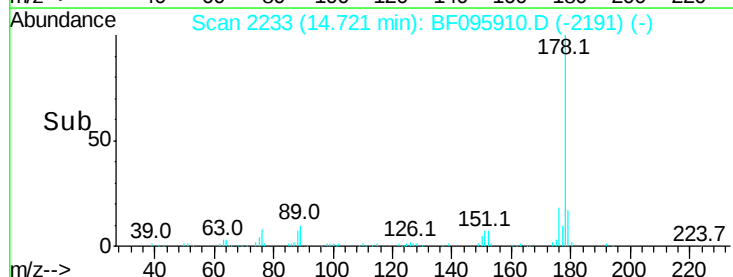
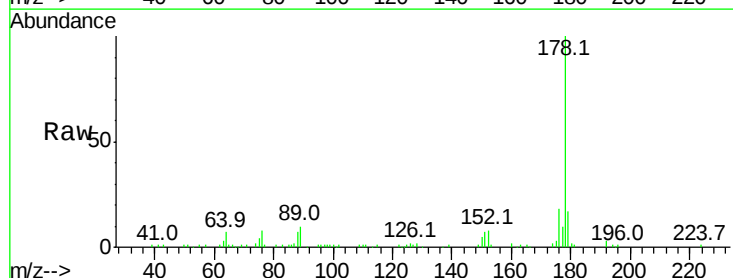
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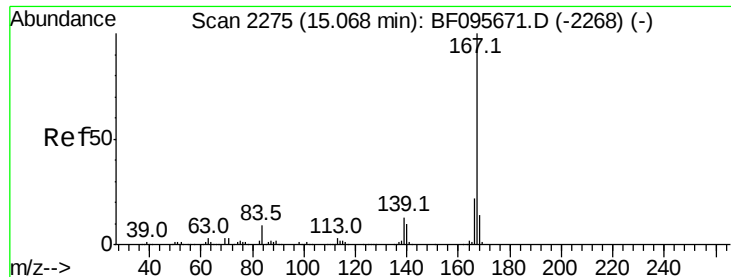
mohammad
6/14/2017 4:25:00 PM



#71
Anthracene
Concen: 13.35 ng
RT: 14.72 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	16.8	12.7	19.1





#72

Carbazole

Concen: 2.63 ng

RT: 15.03 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Instrument :

BNA_F

ClientSampleId :

SP-KEARNY-COMP

Tot Ion:167 Resp: 26281

Ion Ratio Lower Upper

167 100

166 21.7 18.1 27.1

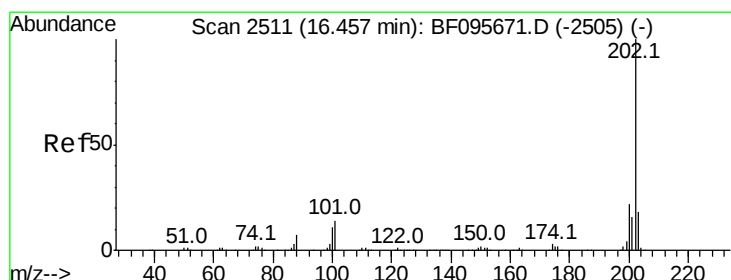
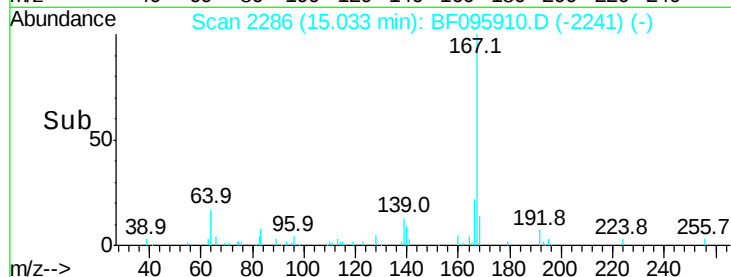
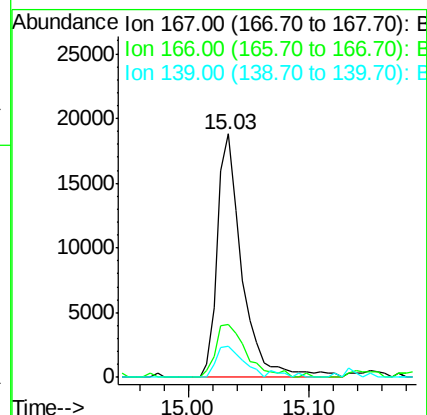
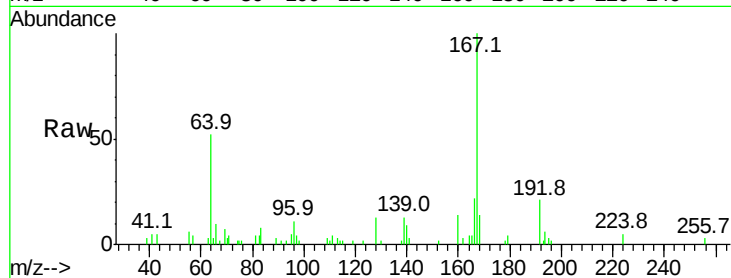
139 12.8 11.7 17.5

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#74

Fluoranthene

Concen: 76.13 ng

RT: 16.43 min Scan# 2523

Delta R.T. -0.03 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

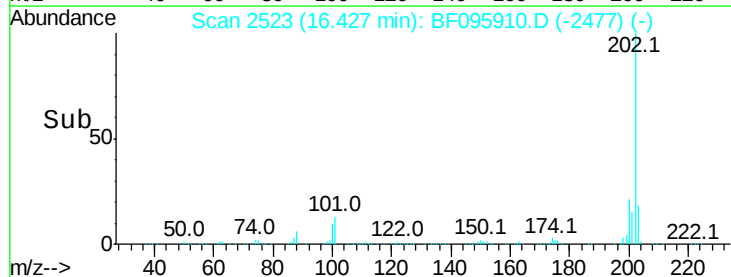
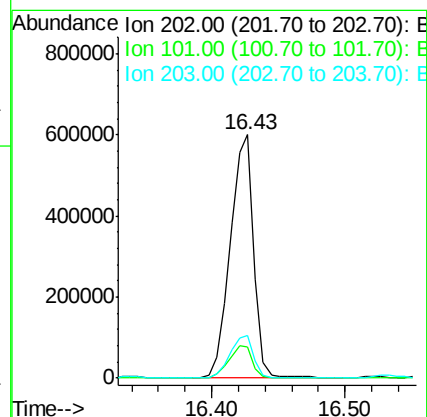
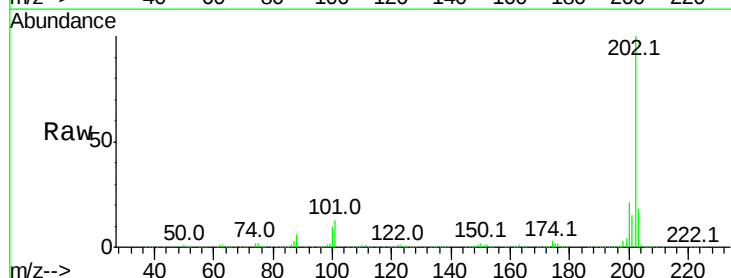
Tgt Ion:202 Resp: 739861

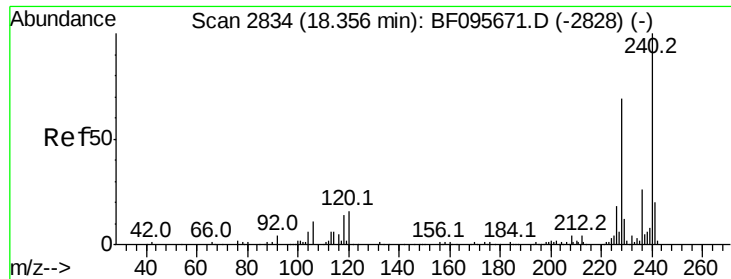
Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Instrument :

BNA_F

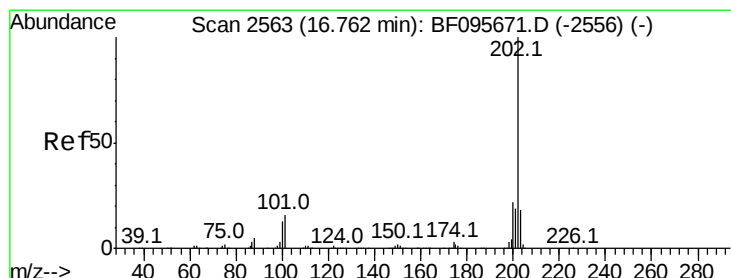
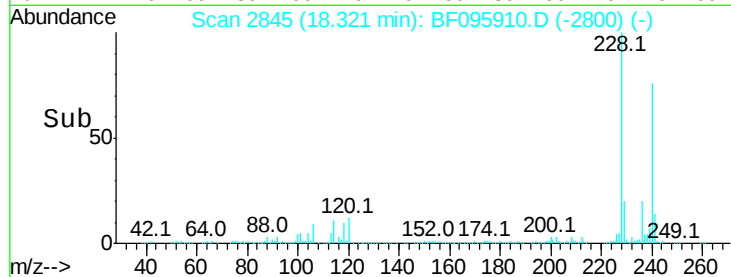
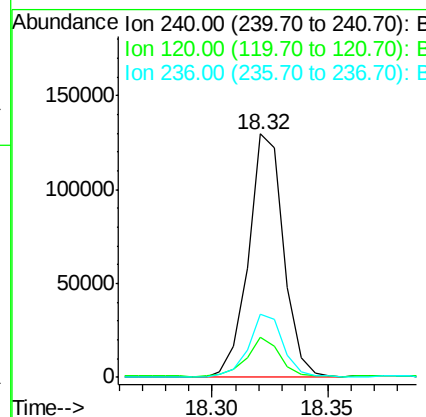
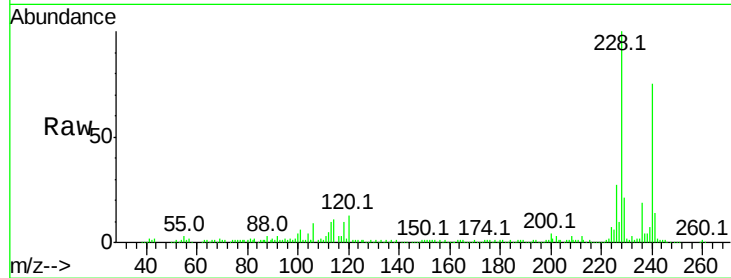
ClientSampleId :

SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.6	5.8	8.8#
236	25.7	20.5	30.7

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#77

Pyrene

Concen: 61.33 ng

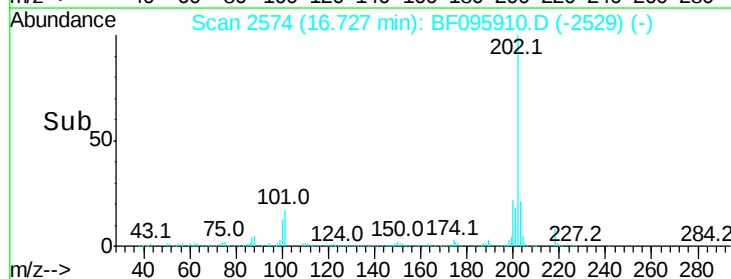
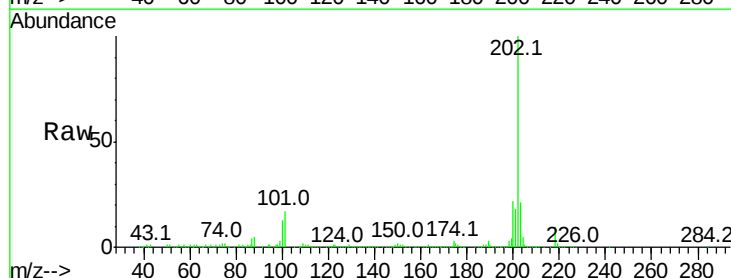
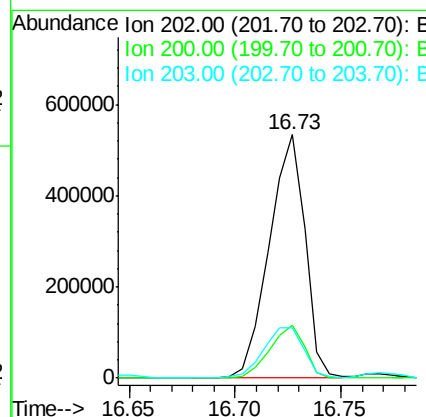
RT: 16.73 min Scan# 2574

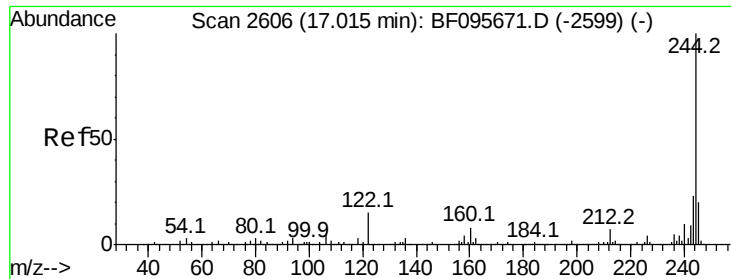
Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	20.7	14.4	21.6





#78

Terphenyl-d14

Concen: 72.68 ng

RT: 16.97 min Scan# 2616

Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Instrument :

BNA_F

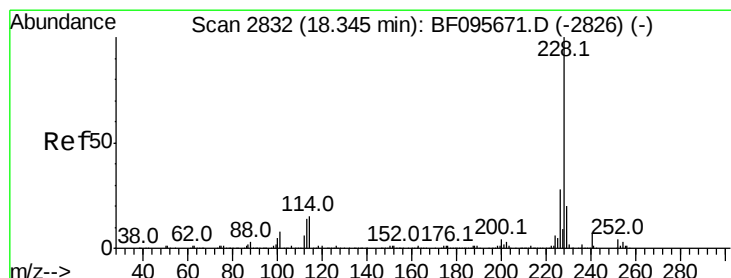
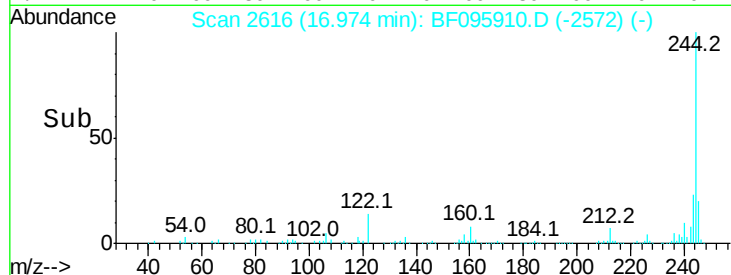
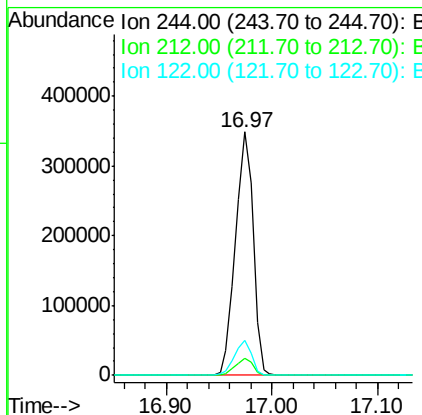
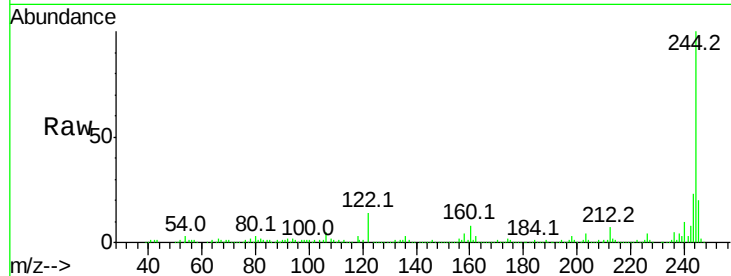
ClientSampleId :

SP-KEARNY-COMP

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	14.3	10.3	15.5	

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#80

Benzo(a)anthracene

Concen: 47.30 ng

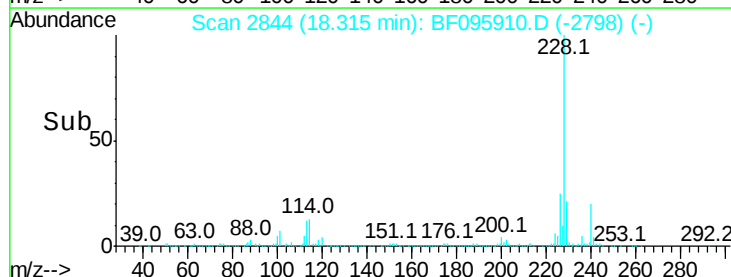
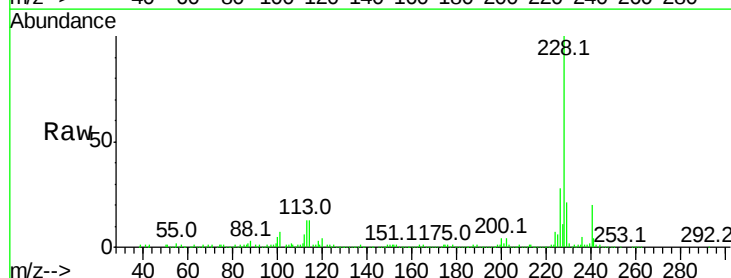
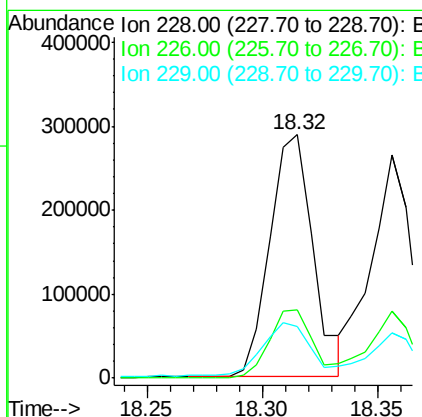
RT: 18.32 min Scan# 2844

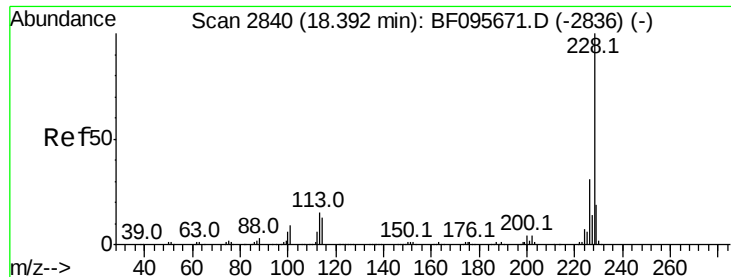
Delta R.T. -0.03 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.1	22.6	33.8	
229	21.4	16.3	24.5	





#82

Chrysene

Concen: 40.14 ng

RT: 18.36 min Scan# 2851

Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Instrument :

BNA_F

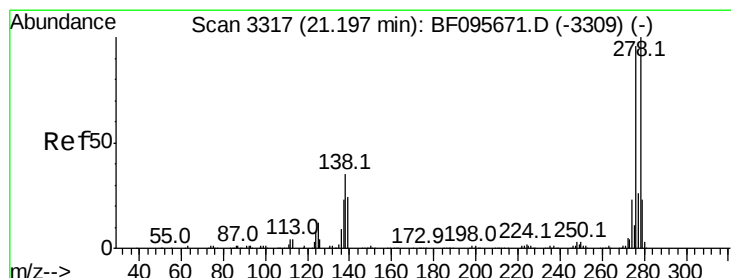
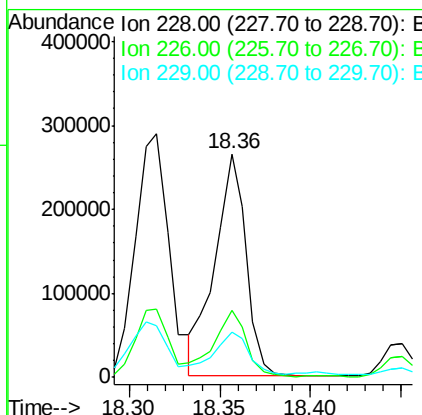
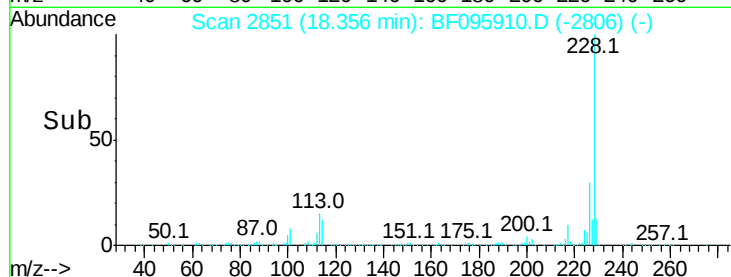
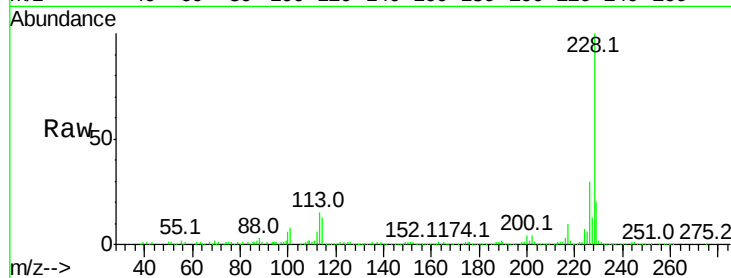
ClientSampleId :

SP-KEARNY-COMP

Tot Ion:	228	Resp:	318805
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	20.4	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 21.43 ng

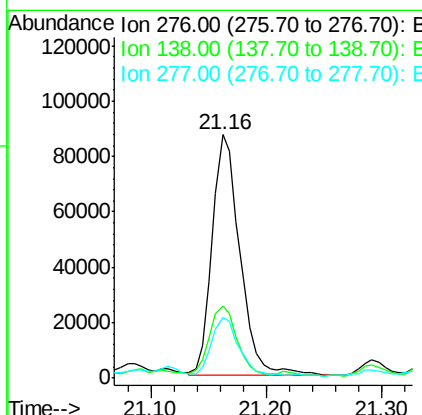
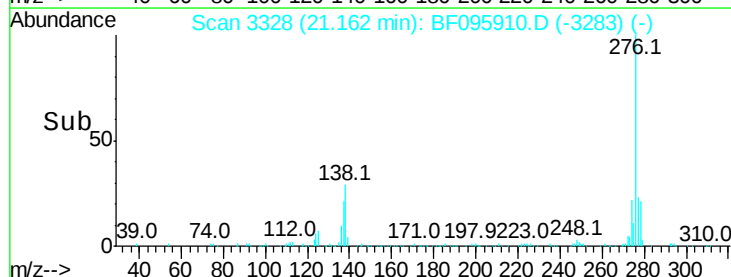
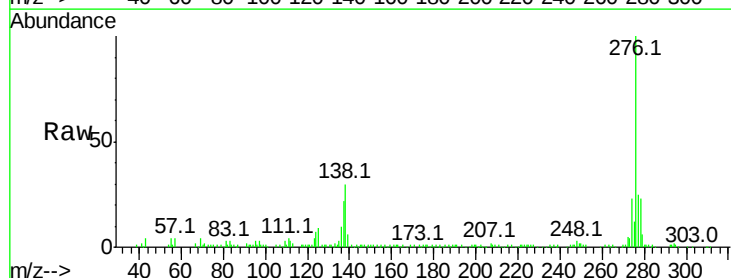
RT: 21.16 min Scan# 3328

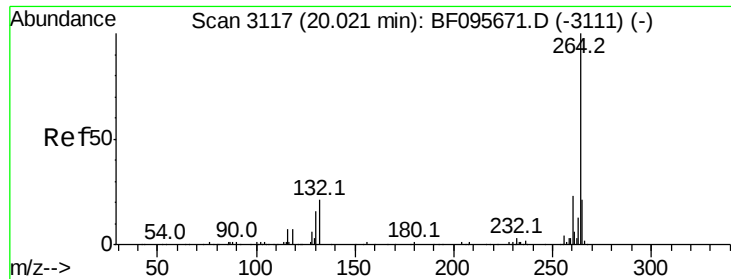
Delta R.T. -0.04 min

Lab File: BF095910.D

Acq: 14 Jun 2017 00:01

Tgt Ion:	276	Resp:	145599
Ion Ratio	Lower	Upper	
276	100		
138	28.6	27.8	41.6
277	23.0	20.2	30.4





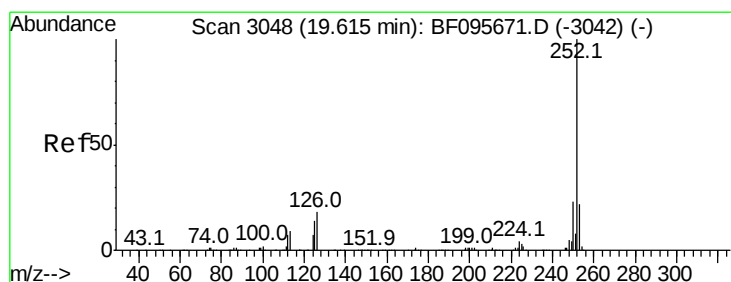
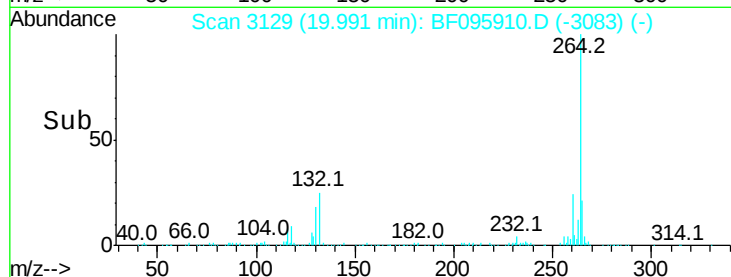
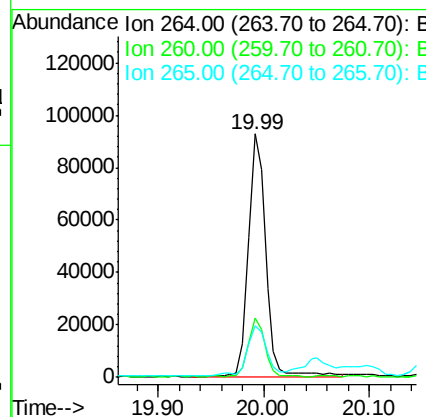
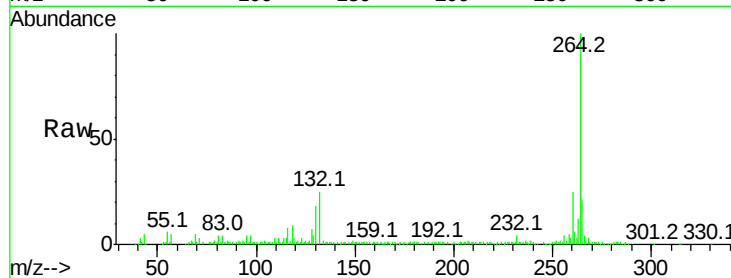
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.4	17.2	25.8

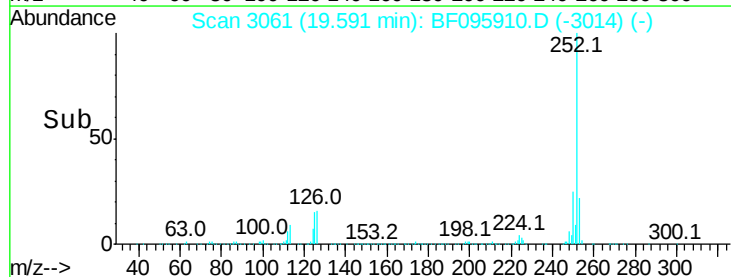
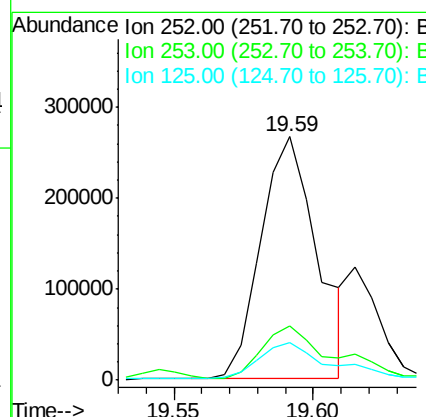
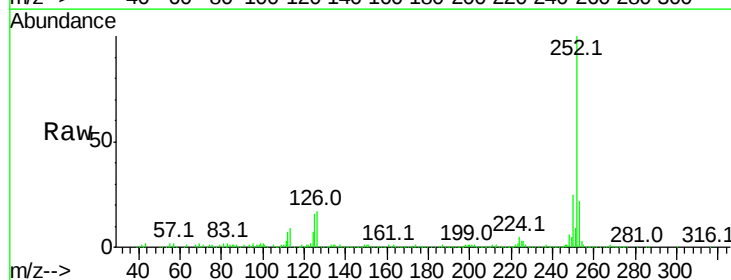
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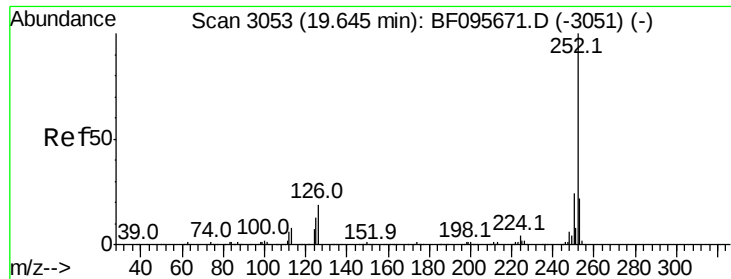
mohammad
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#87
Benzo(b)fluoranthene
Concen: 55.47 ng m
RT: 19.59 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.5	9.8	14.8#





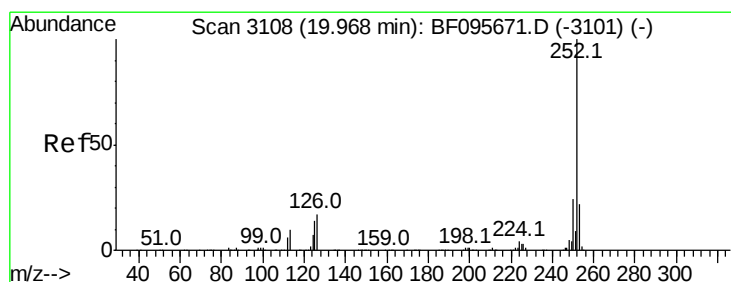
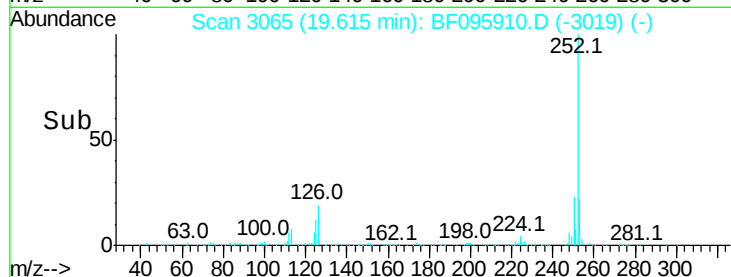
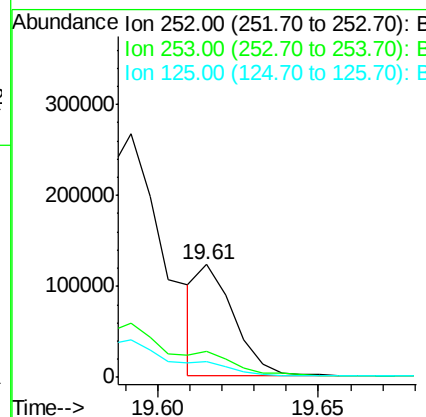
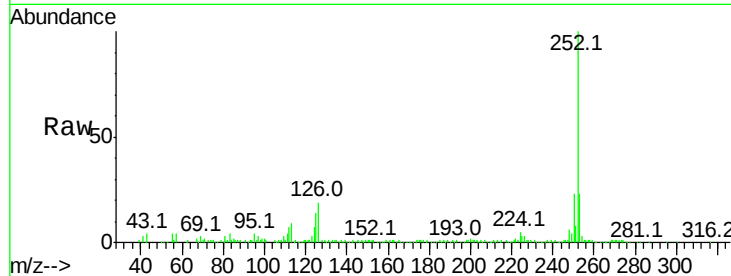
#88
Benzo(k)fluoranthene
Concen: 14.71 ng m
RT: 19.61 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	13.9	13.1	19.7

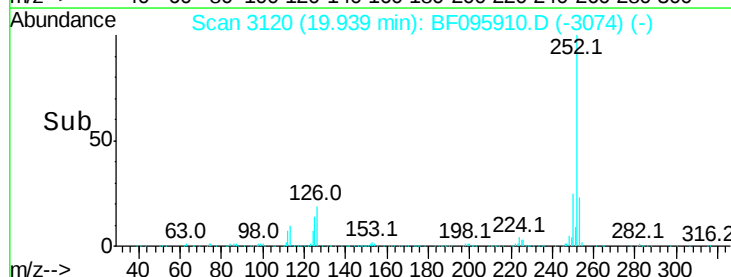
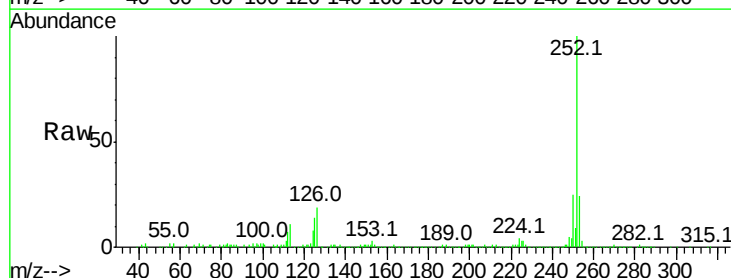
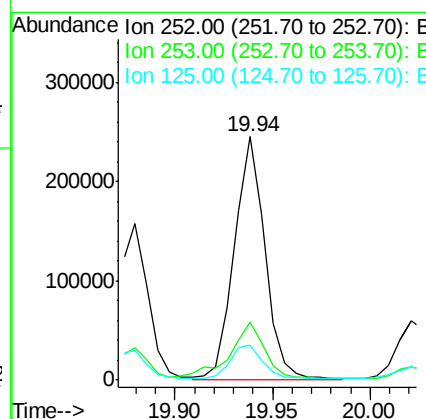
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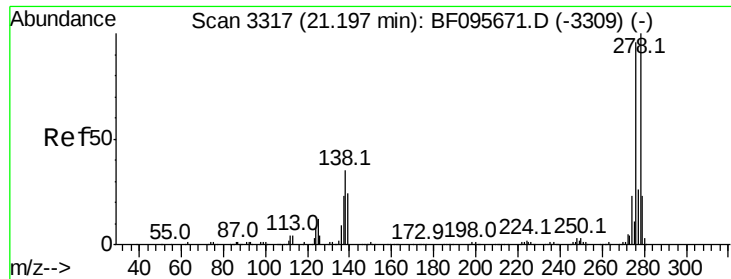
mohammad
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#89
Benzo(a)pyrene
Concen: 42.93 ng
RT: 19.94 min Scan# 3120
Delta R.T. -0.03 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	14.4	11.0	16.4





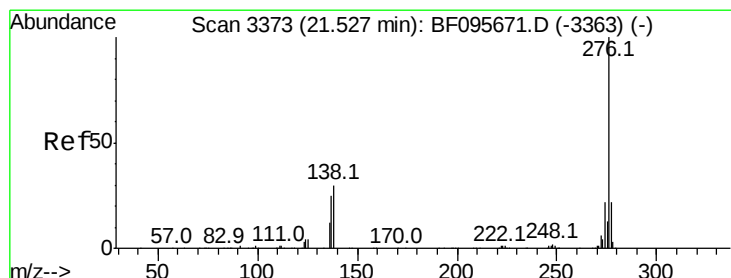
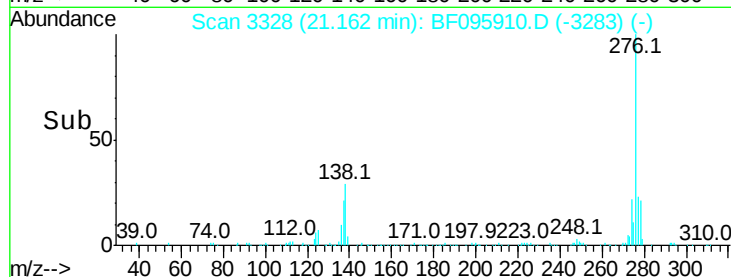
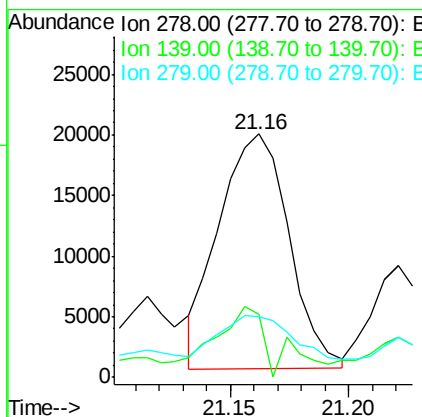
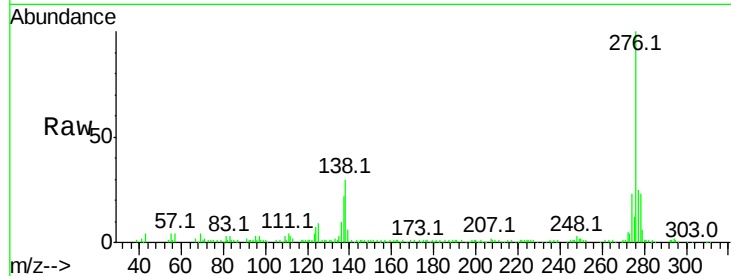
#90
Dibenzo(a,h)anthracene
Concen: 7.58 ng m
RT: 21.16 min Scan# 3328
Delta R.T. -0.04 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Instrument :
BNA_F
ClientSampleId :
SP-KEARNY-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.0	16.6	24.8#
279	24.9	19.3	28.9

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6/14/2017 4:25:00 PM



#91
Benzo(g,h,i)perylene
Concen: 25.23 ng
RT: 21.50 min Scan# 3385
Delta R.T. -0.03 min
Lab File: BF095910.D
Acq: 14 Jun 2017 00:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	29.4	25.4	38.0

