

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096083.D
 Acq On : 21 Jun 2017 14:27
 Operator : SJ/MA
 Sample : I3782-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

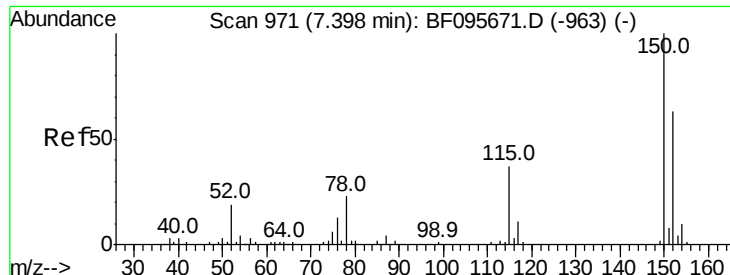
Manual Integrations
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Quant Time: Jun 21 16:24:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	90400	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	363043	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	149664	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	243202	20.00	ng	0.00
75) Chrysene-d12	18.27	240	158301	20.00	ng	0.00
86) Perylene-d12	19.94	264	151204	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	690958	121.79	ng	0.00
7) Phenol-d6	6.87	99	858498	126.40	ng	0.00
23) Nitrobenzene-d5	8.22	82	492000	84.16	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	153058	115.59	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	990542	92.10	ng	0.00
78) Terphenyl-d14	16.92	244	553858	86.83	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	11.80	163	160104	14.09	ng	99
70) Phenanthrene	14.57	178	230591	16.43	ng	98
71) Anthracene	14.67	178	54178m	3.70	ng	
74) Fluoranthene	16.36	202	398520	28.69	ng	98
77) Pyrene	16.66	202	380563	32.22	ng	# 95
80) Benzo(a)anthracene	18.26	228	136935	14.88	ng	94
82) Chrysene	18.30	228	139528	15.17	ng	97
85) Indeno(1,2,3-cd)pyrene	21.11	276	80412	10.22	ng	# 89
87) Benzo(b)fluoranthene	19.54	252	188475m	19.91	ng	
88) Benzo(k)fluoranthene	19.56	252	61952m	6.85	ng	
89) Benzo(a)pyrene	19.89	252	134419	15.45	ng	96
90) Dibenzo(a,h)anthracene	21.10	278	30146	4.08	ng	# 83
91) Benzo(a,h,i)perylene	21.43	276	72402	9.62	ng	98

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



#1

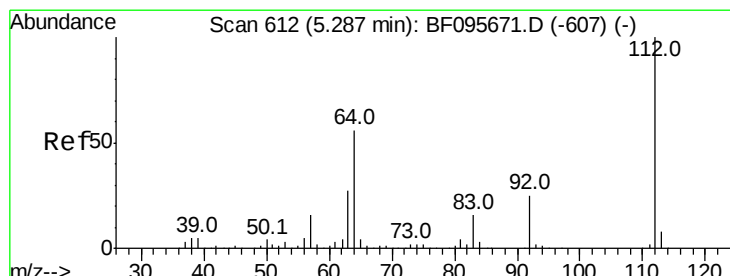
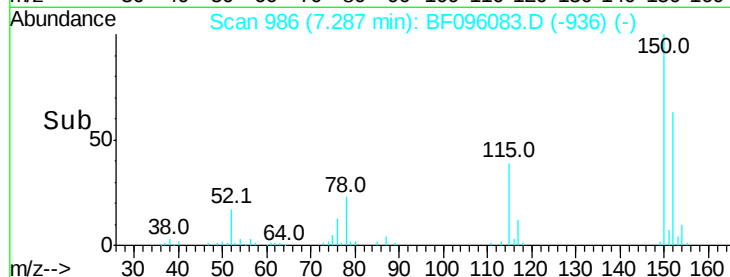
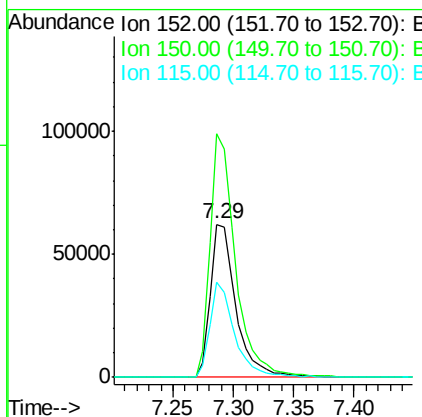
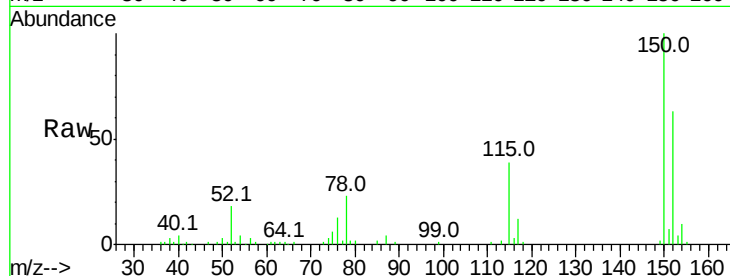
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	62.3	52.2	78.2

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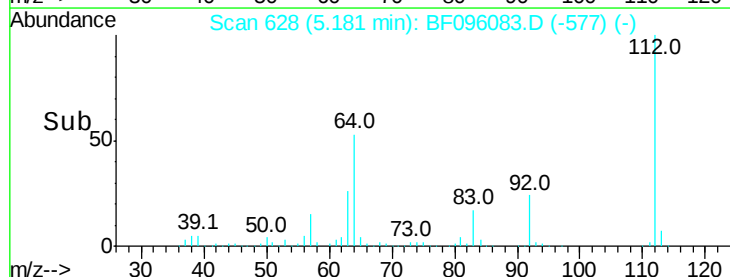
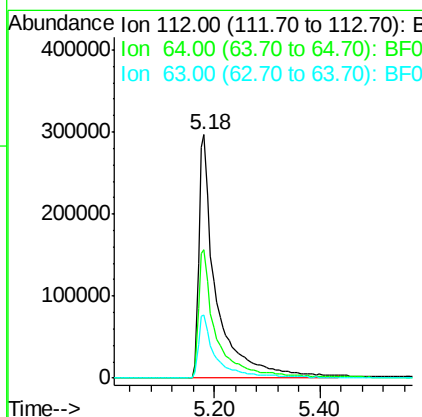
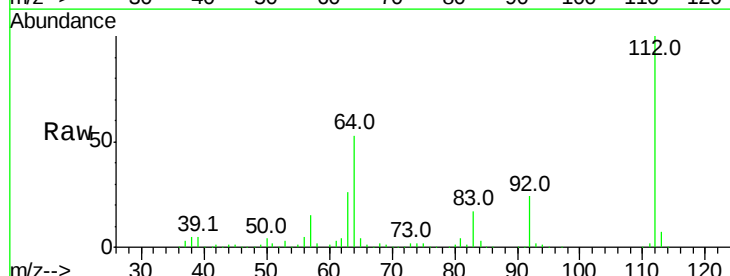
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#5

2-Fluorophenol
Concen: 121.79 ng
RT: 5.18 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	46.0	69.0
63	25.9	23.4	35.0





#7

Phenol-d6

Concen: 126.40 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

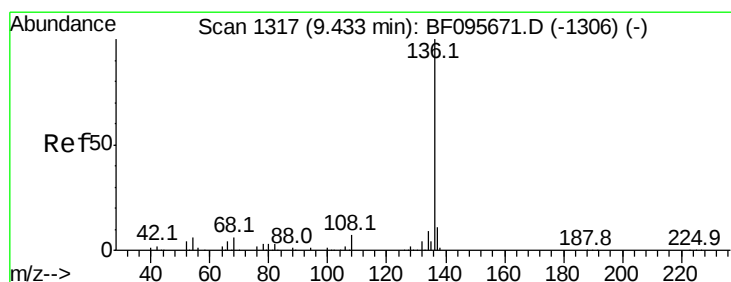
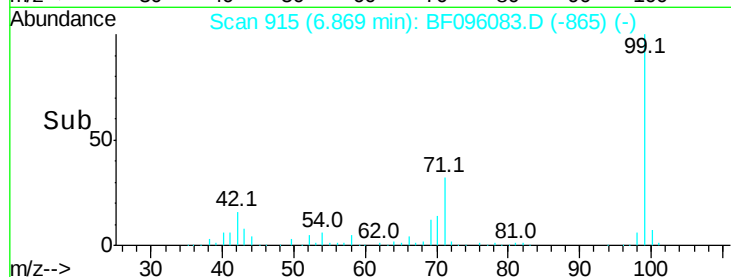
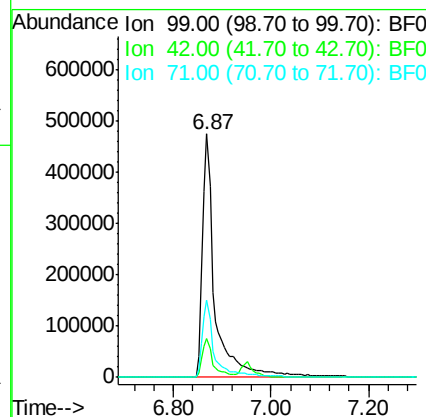
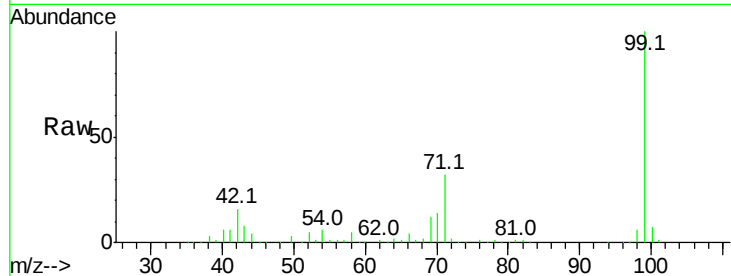
ClientSampleId :

TK4-4-20170619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		858498		
42	16.1	13.5	20.3		
71	31.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

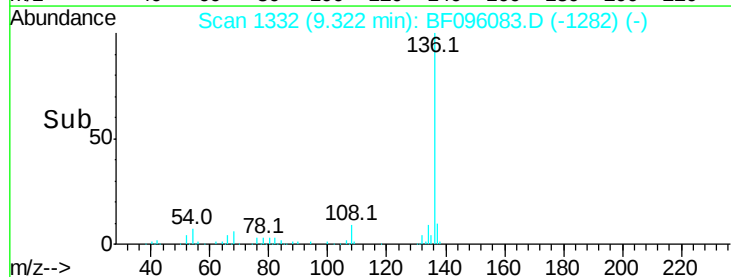
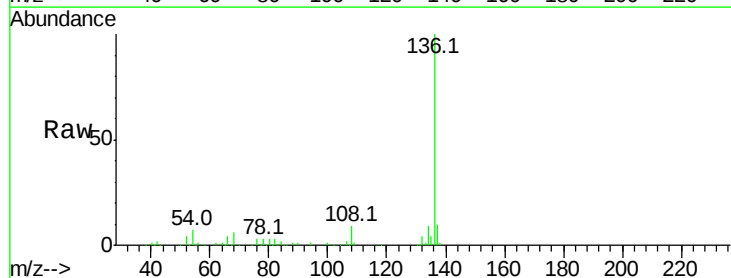
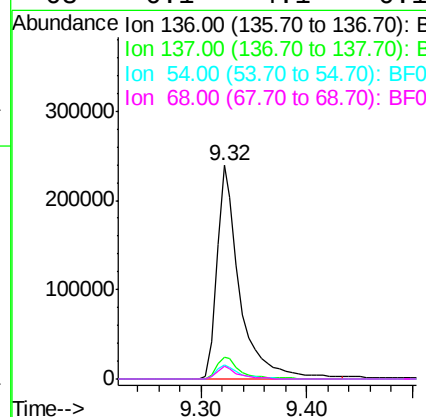
RT: 9.32 min Scan# 1332

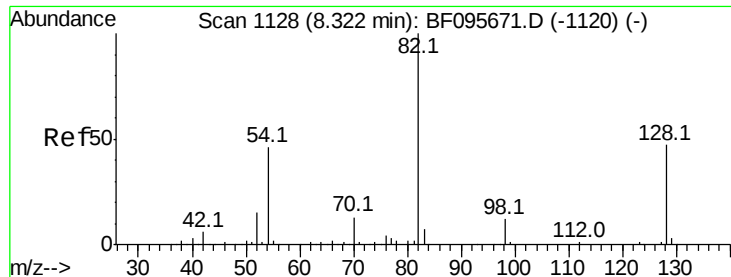
Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		363043		
137	10.3	8.5	12.7		
54	6.6	4.9	7.3		
68	6.1	4.1	6.1		





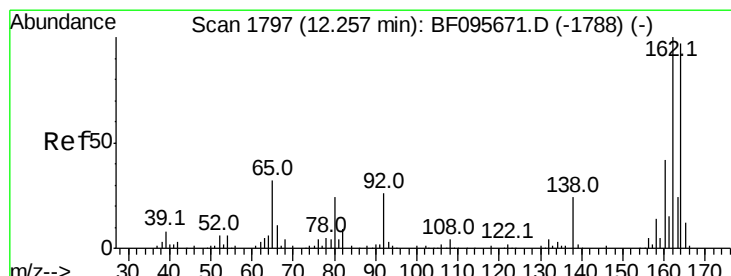
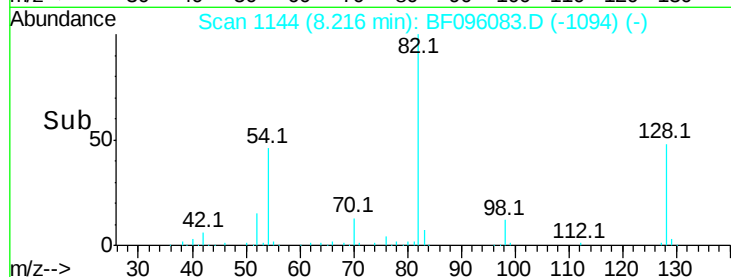
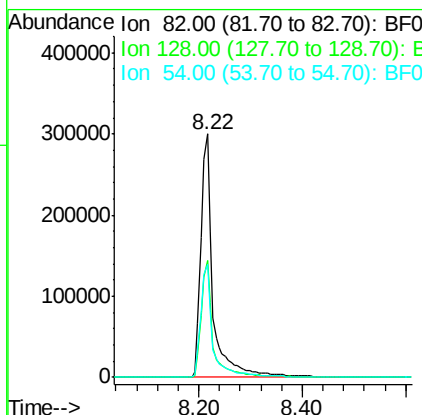
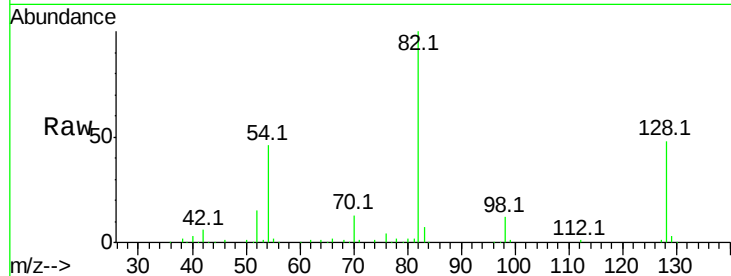
#23
Nitrobenzene-d5
Concen: 84.16 ng
RT: 8.22 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	46.4	42.2	63.2

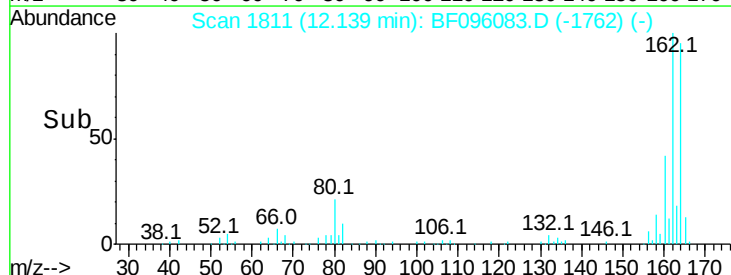
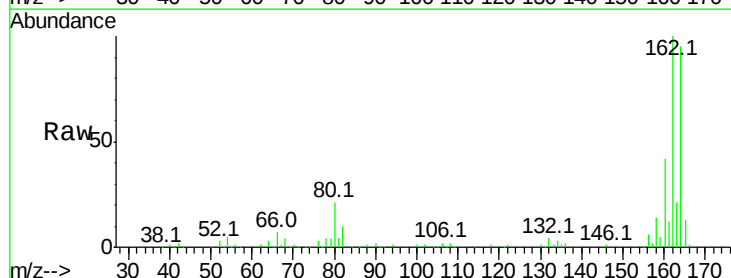
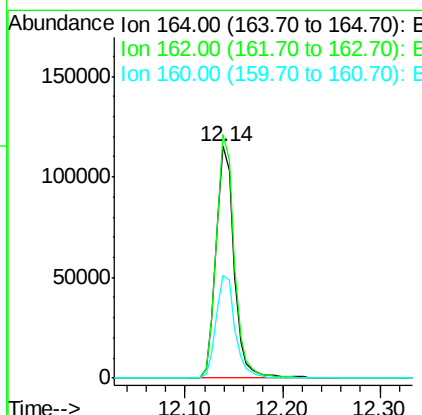
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	44.5	36.2	54.2





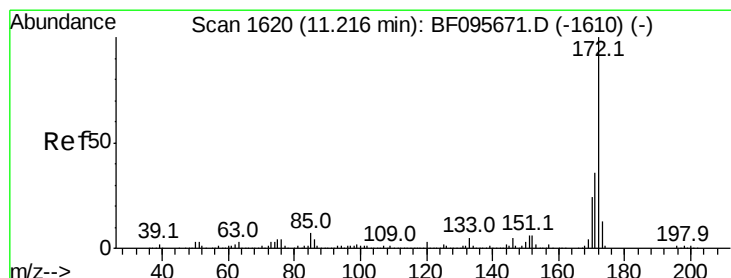
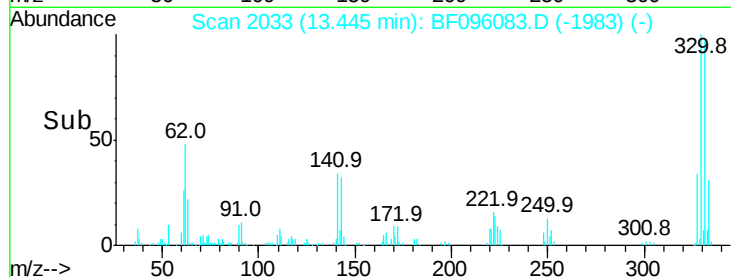
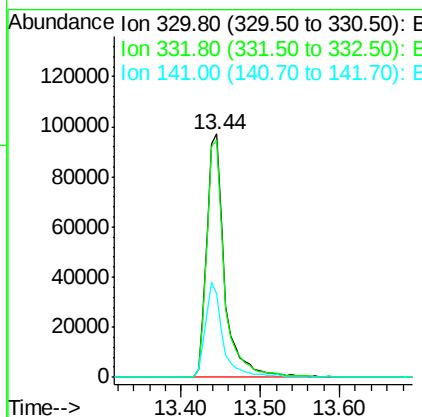
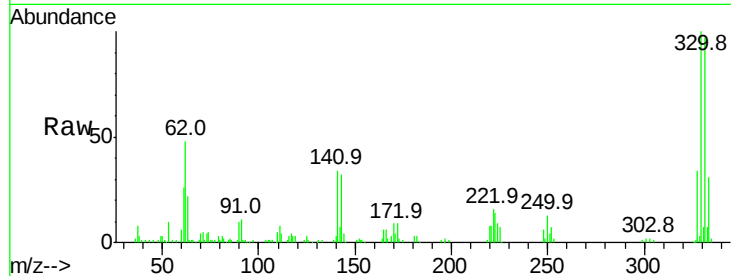
#41
 2,4,6-Tribromophenol
 Concen: 115.59 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.6	115.0	
141	38.2	31.4	47.2	

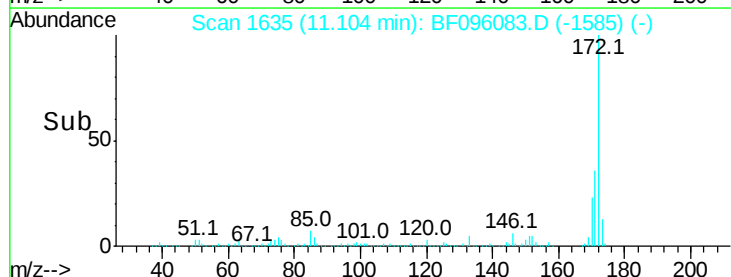
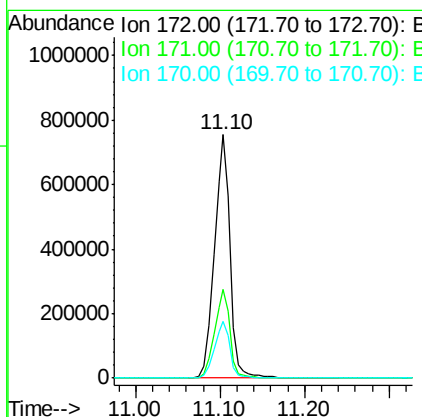
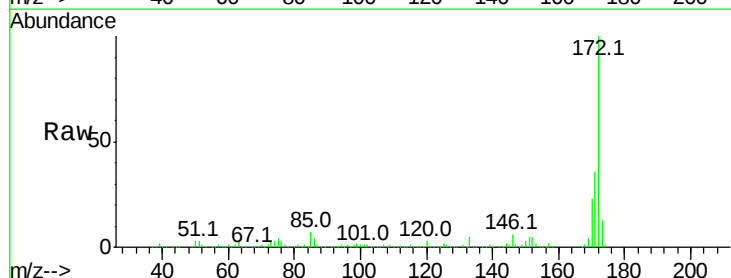
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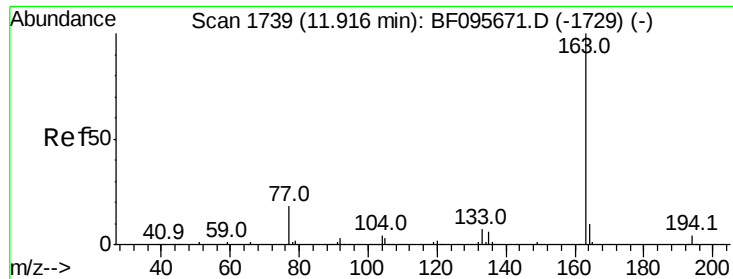
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#44
 2-Fluorobiphenyl
 Concen: 92.10 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	23.4	19.8	29.8	





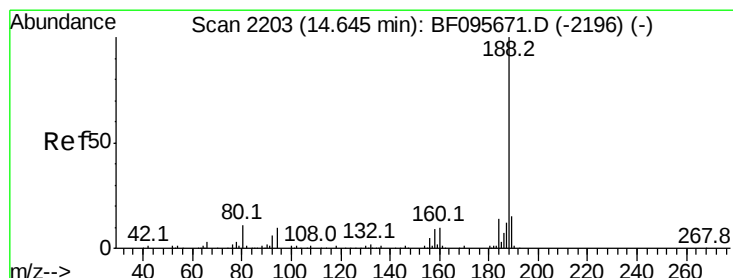
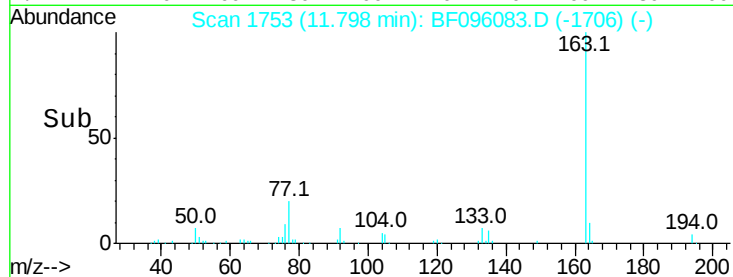
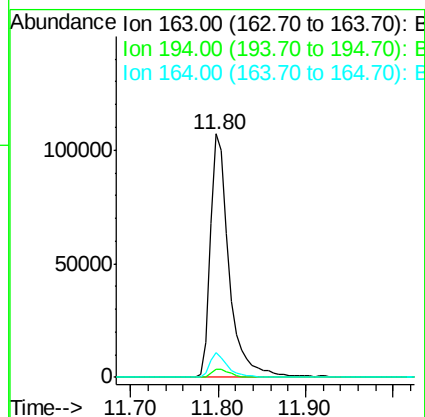
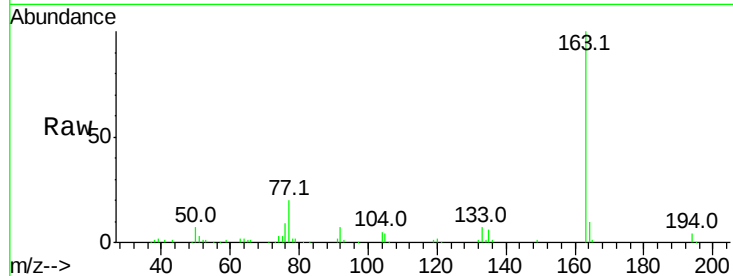
#49
Dimethylphthalate
Concen: 14.09 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tot Ion	Ratio	Resp	Lower	Upper
163	100	160104		
194	3.6	2.6	4.0	
164	10.2	8.4	12.6	

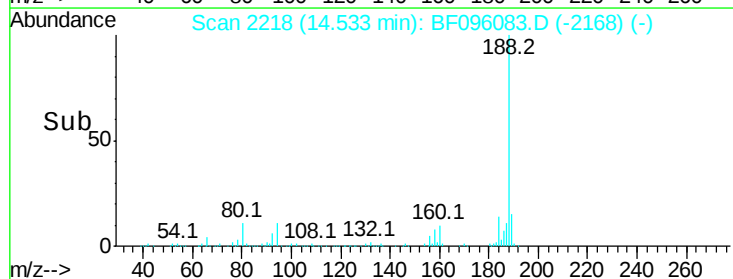
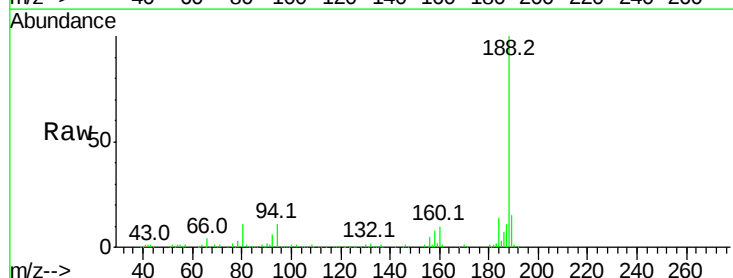
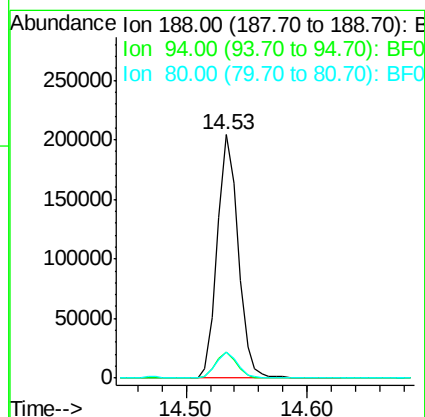
Manual Integrations
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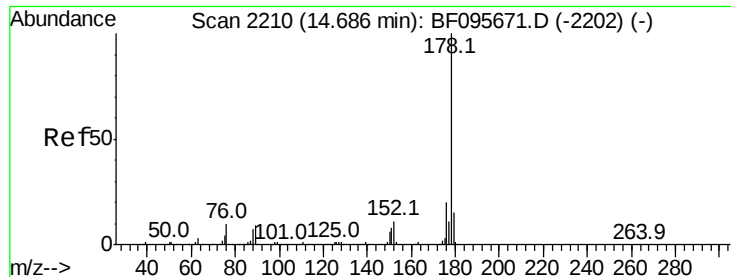
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	243202		
94	10.8	9.4	14.2	
80	10.6	10.2	15.2	





#70

Phenanthrene

Concen: 16.43 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

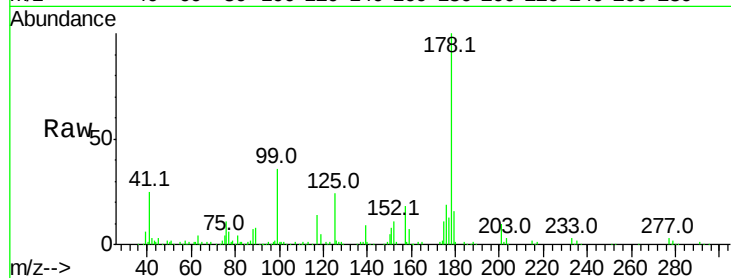
ClientSampleId :

TK4-4-20170619

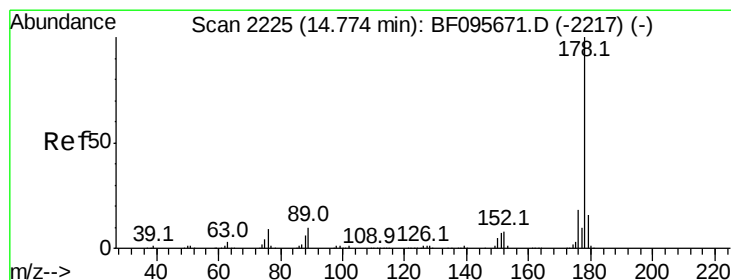
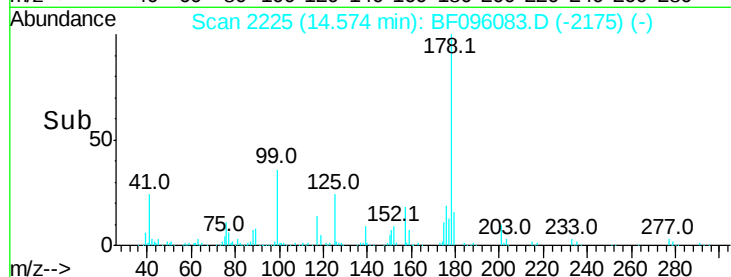
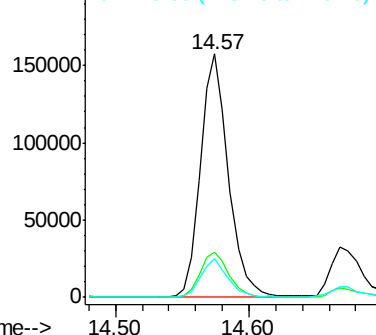
Tot Ion:	178	Resp:	230591
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	16.1	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.70 ng m

RT: 14.67 min Scan# 2241

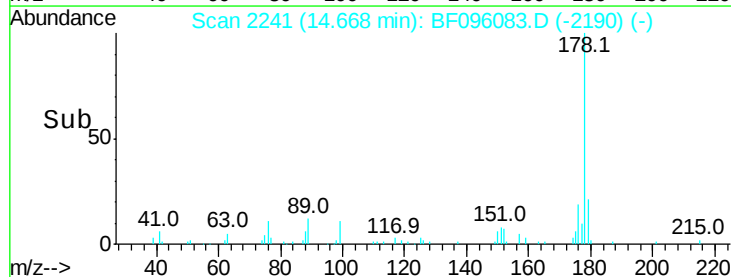
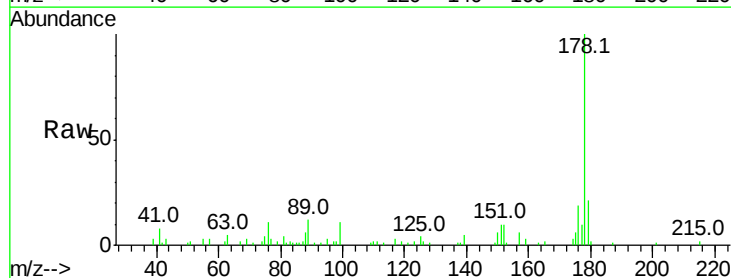
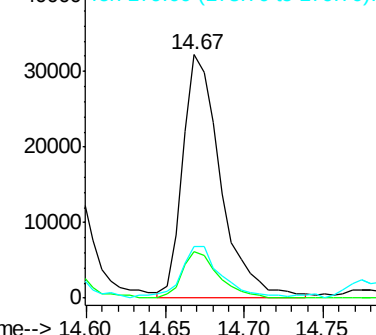
Delta R.T. 0.00 min

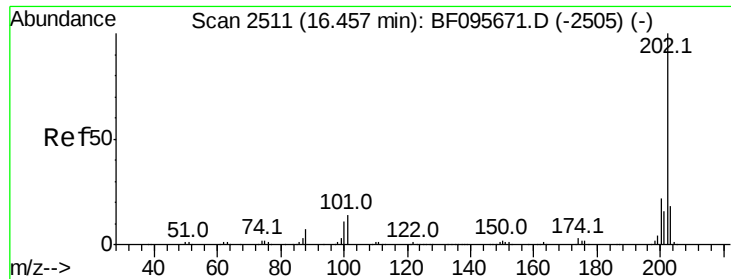
Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Tgt Ion:	178	Resp:	54178
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	21.3	12.7	19.1#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





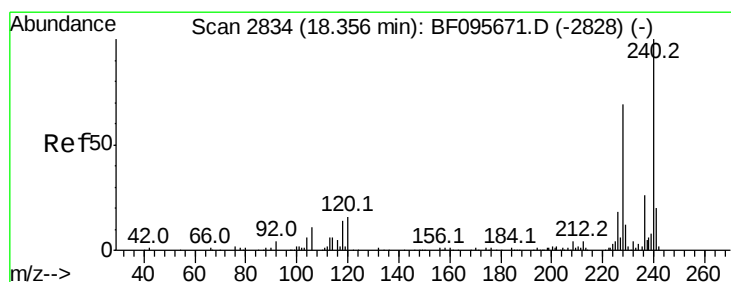
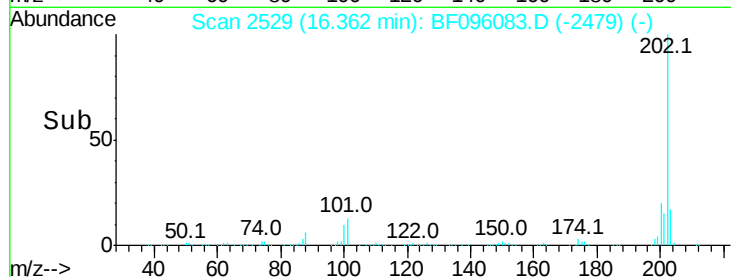
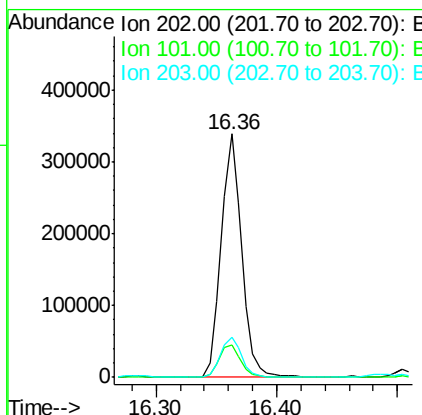
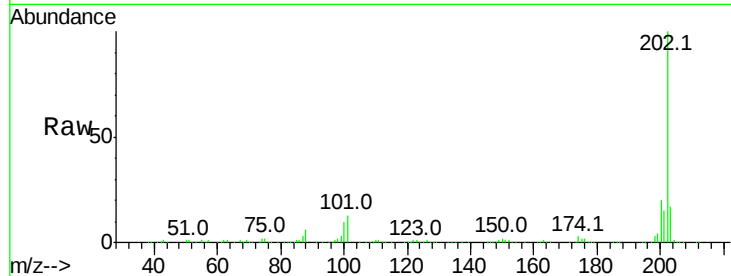
#74
Fluoranthene
Concen: 28.69 ng
RT: 16.36 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.7	0.0	38.1

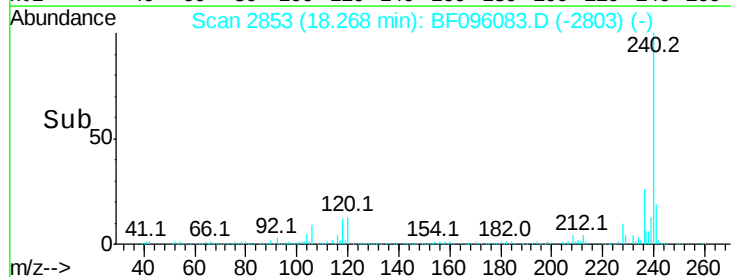
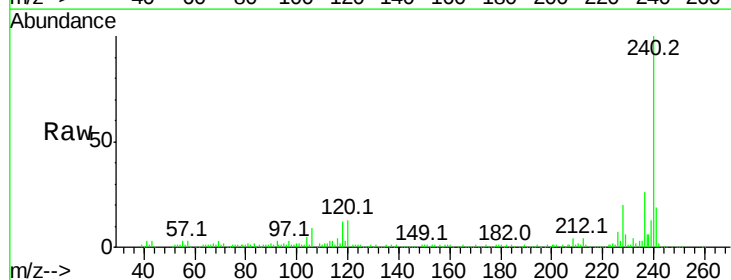
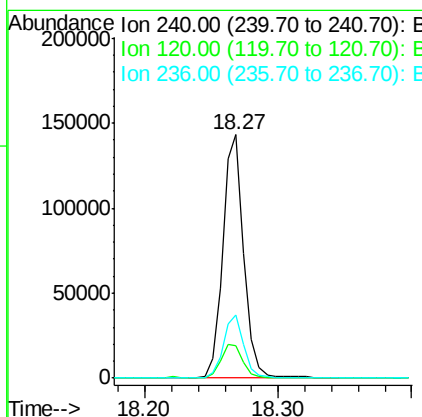
Manual Integrations
APPROVED

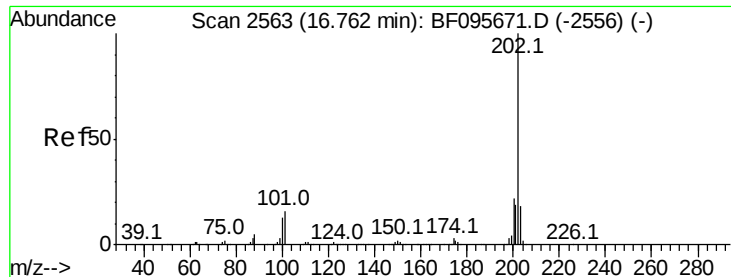
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 32.22 ng

RT: 16.66 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

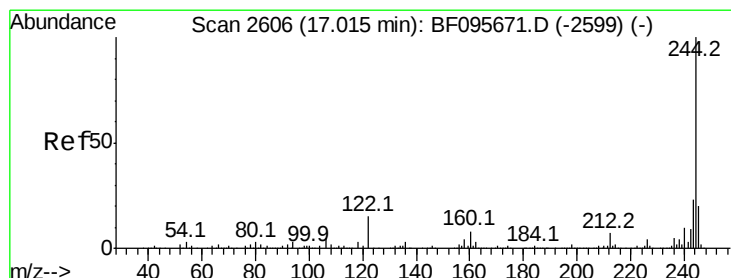
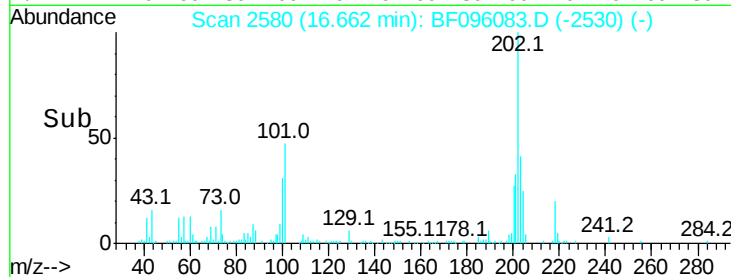
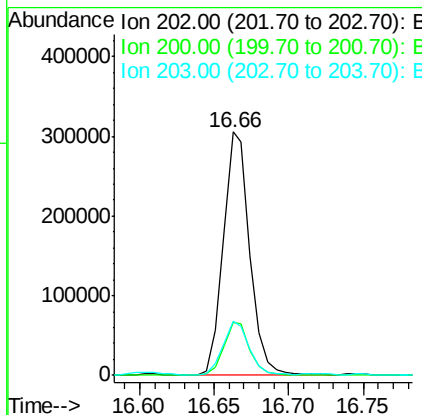
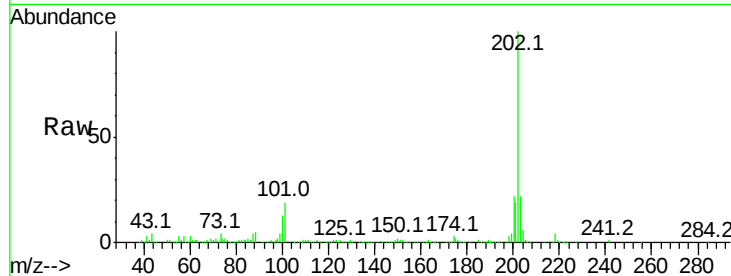
ClientSampleId :

TK4-4-20170619

Tot Ion:	202	Resp:	380563
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.6	26.4
203	22.2	14.4	21.6#

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#78

Terphenyl-d14

Concen: 86.83 ng

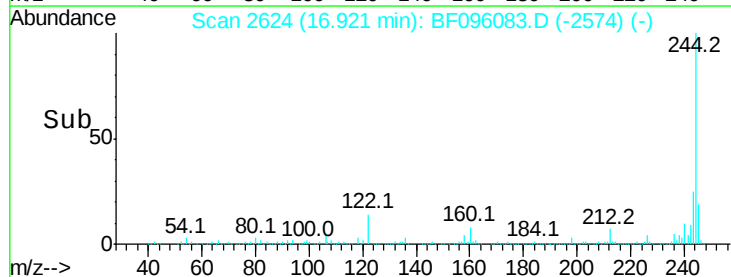
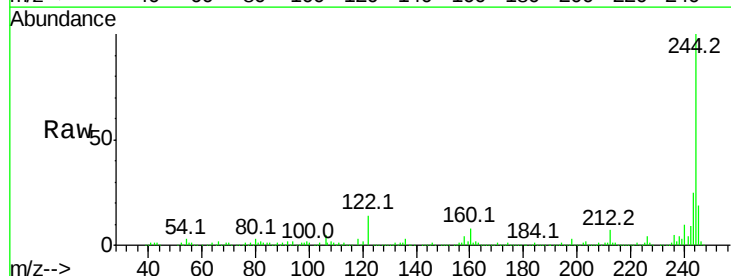
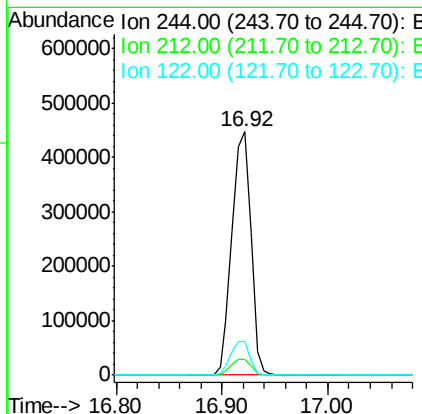
RT: 16.92 min Scan# 2624

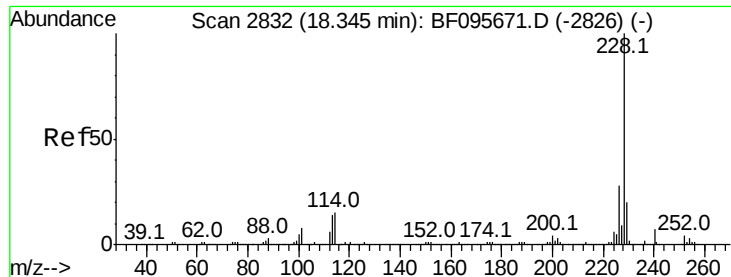
Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Tgt Ion:	244	Resp:	553858
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.9	10.3	15.5





#80

Benzo(a)anthracene

Concen: 14.88 ng

RT: 18.26 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

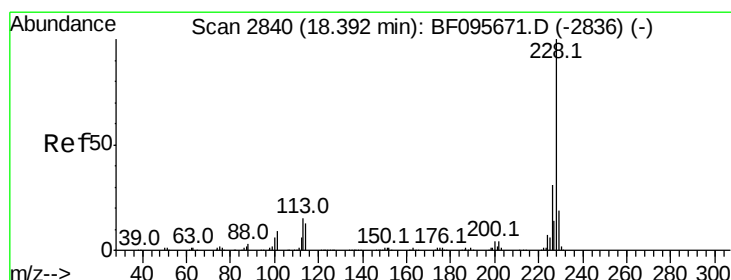
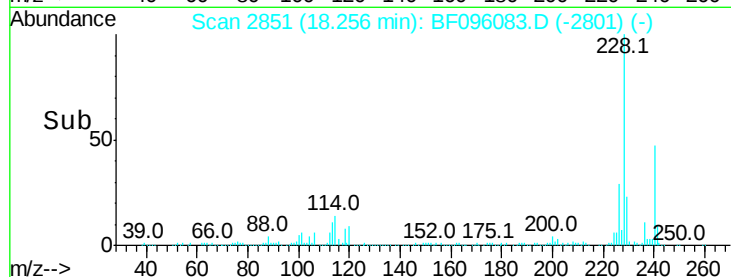
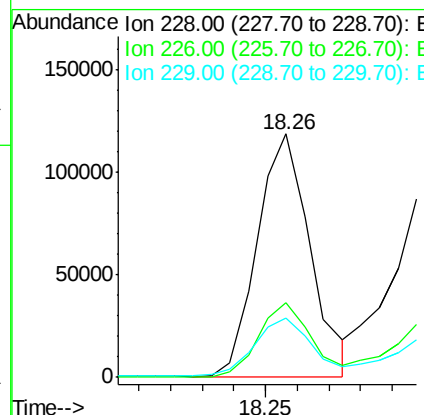
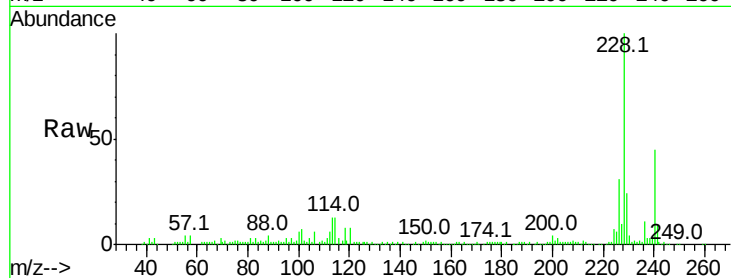
ClientSampleId :

TK4-4-20170619

Tot Ion:	228	Resp:	136935
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.6	33.8
229	24.2	16.3	24.5

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#82

Chrysene

Concen: 15.17 ng

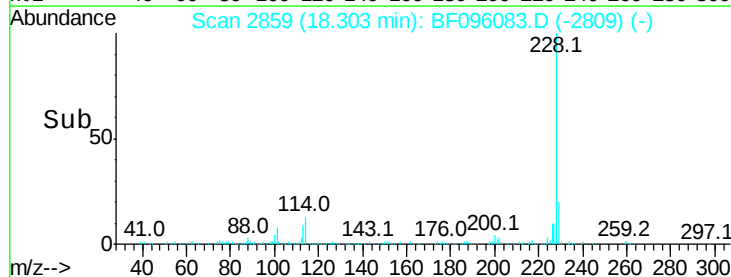
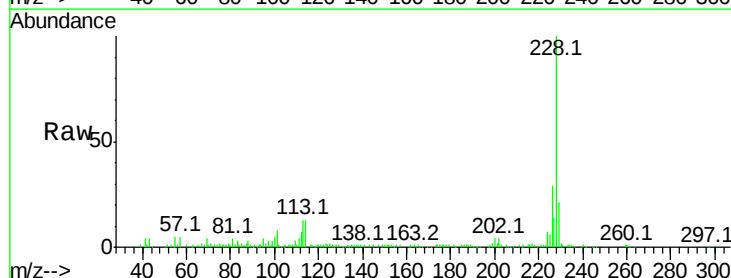
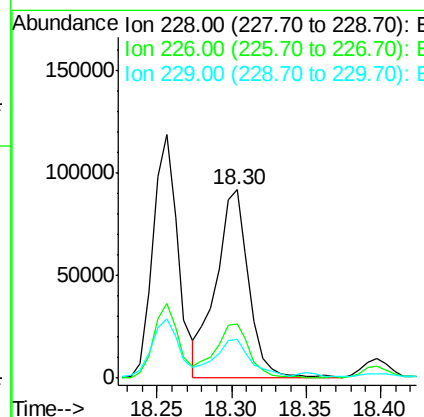
RT: 18.30 min Scan# 2859

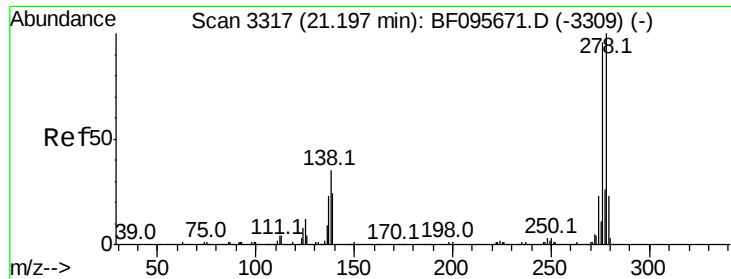
Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Tgt Ion:	228	Resp:	139528
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.9	37.3
229	20.7	15.8	23.6





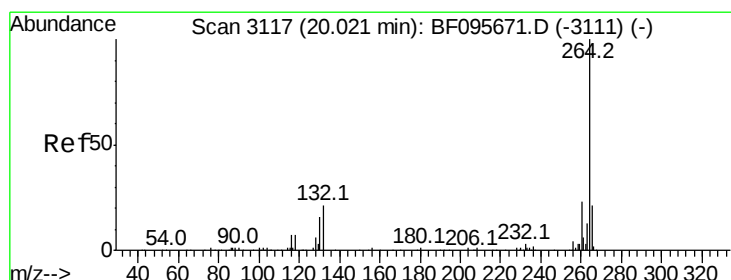
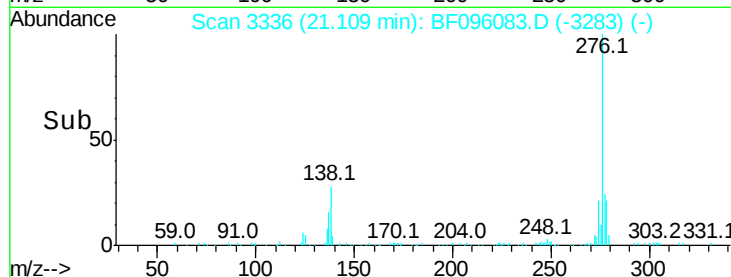
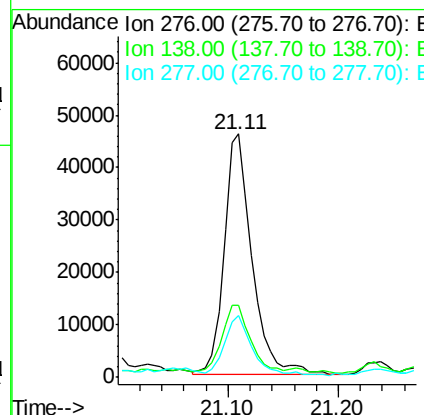
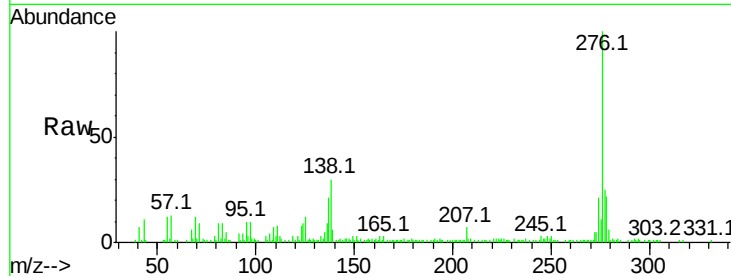
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.22 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	27.8	41.6#
277	22.1	20.2	30.4

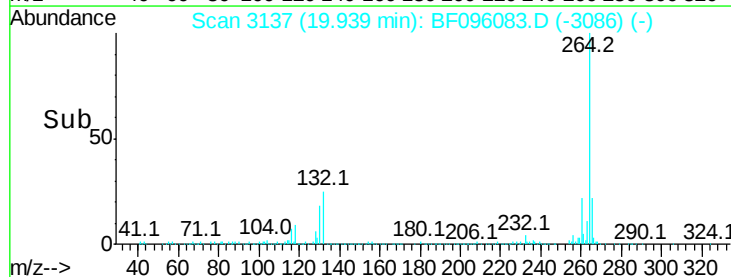
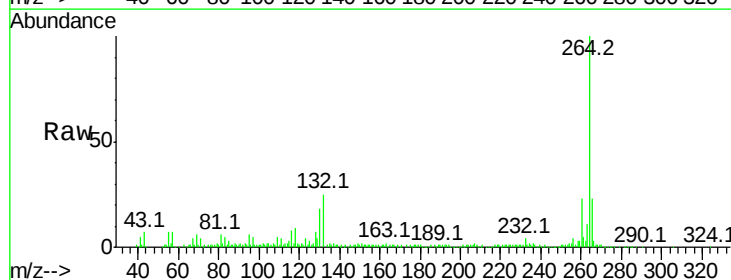
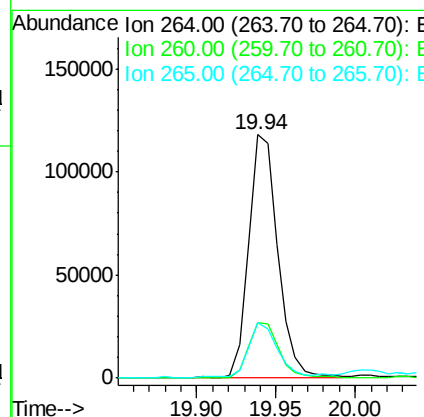
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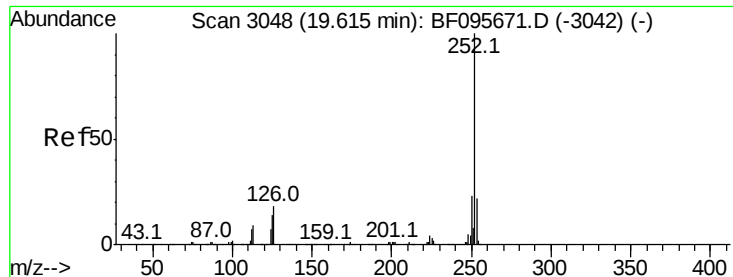
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 19.91 ng m

RT: 19.54 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Instrument :

BNA_F

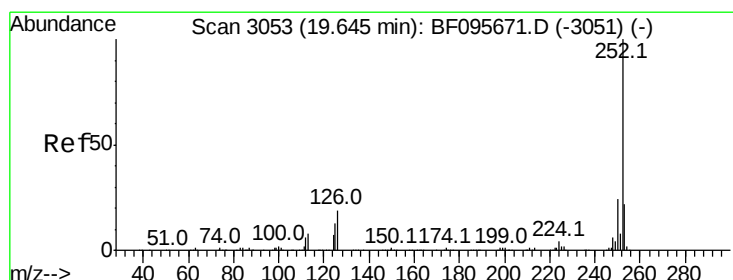
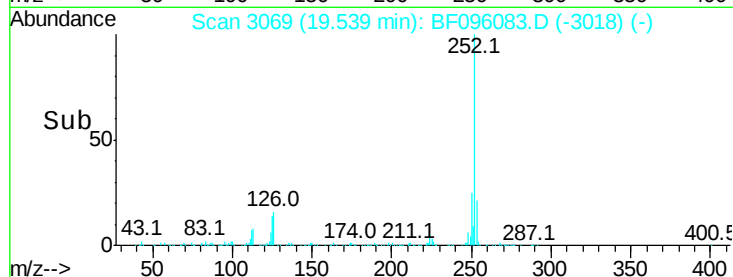
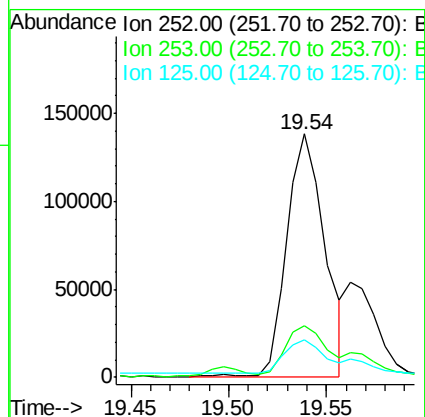
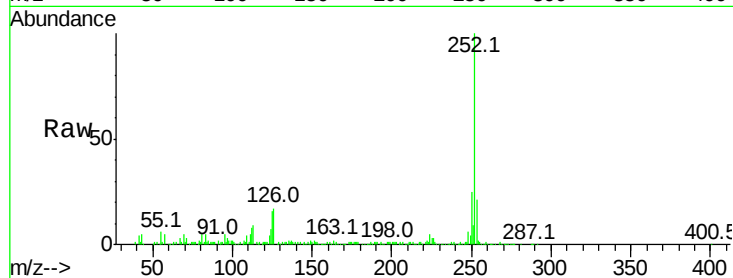
ClientSampleId :

TK4-4-20170619

Tot Ion:	252	Resp:	188475
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.1	27.1
125	15.5	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 6.85 ng m

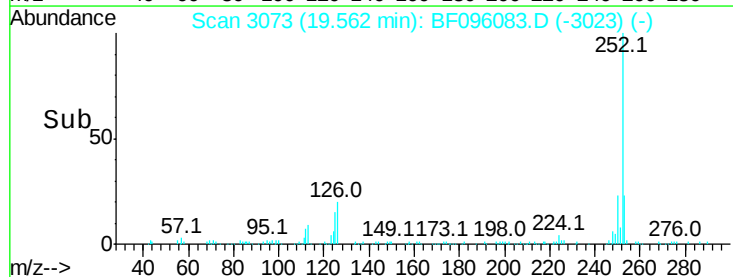
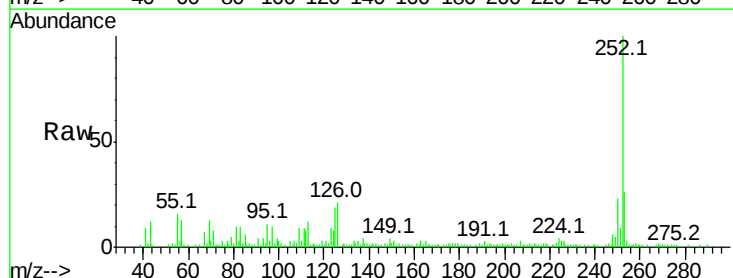
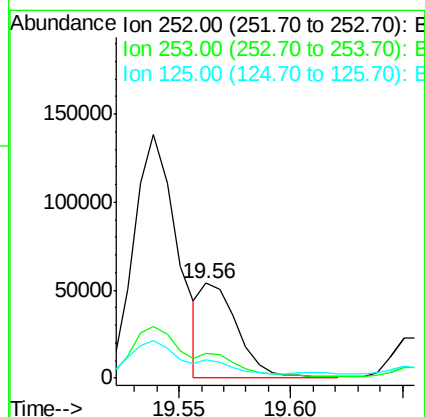
RT: 19.56 min Scan# 3073

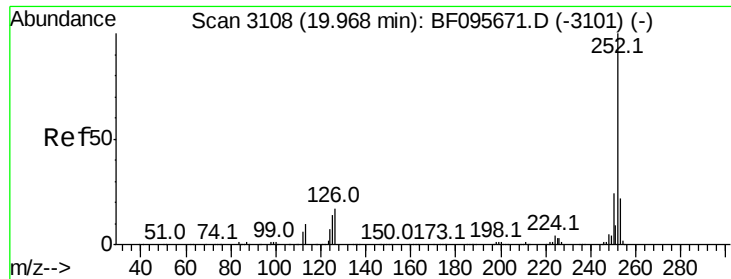
Delta R.T. -0.01 min

Lab File: BF096083.D

Acq: 21 Jun 2017 14:27

Tgt Ion:	252	Resp:	61952
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.4	27.6
125	18.8	13.1	19.7





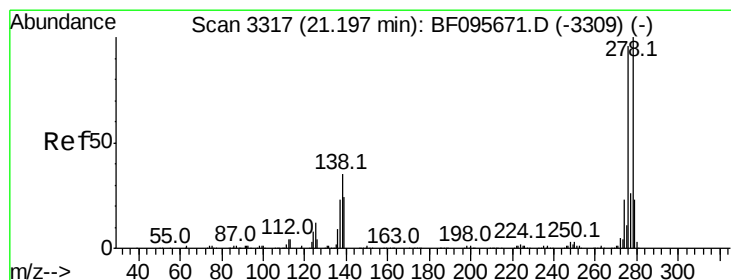
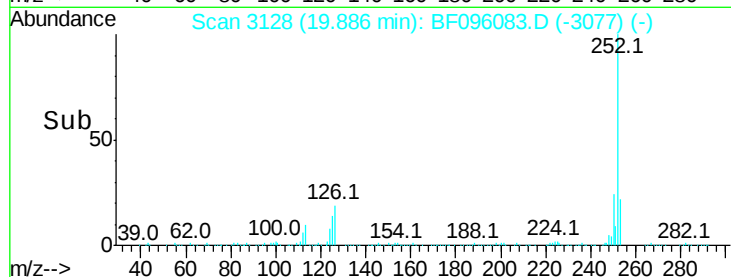
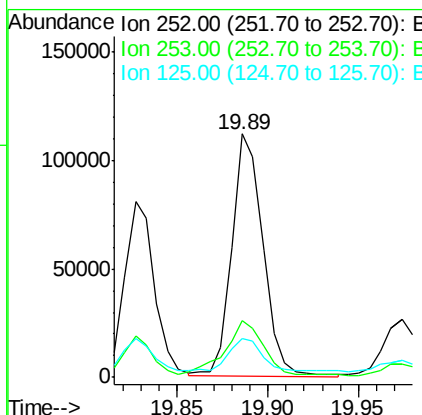
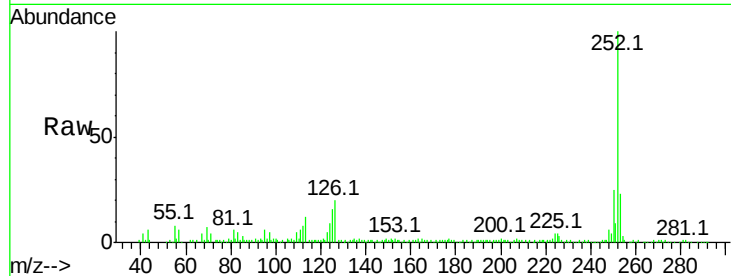
#89
Benzo(a)pyrene
Concen: 15.45 ng
RT: 19.89 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Instrument :
BNA_F
ClientSampleId :
TK4-4-20170619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	16.2	11.0	16.4

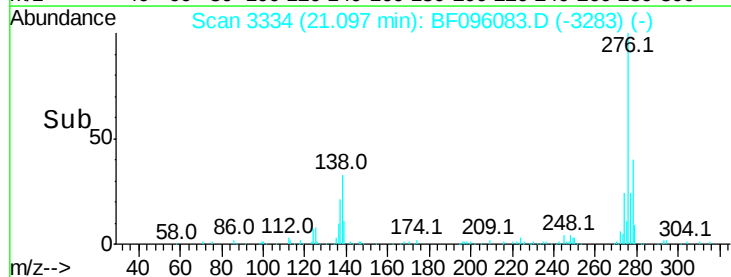
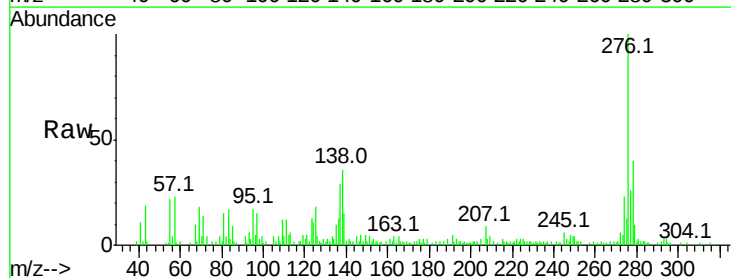
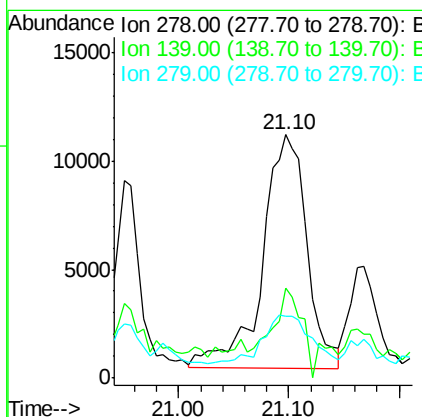
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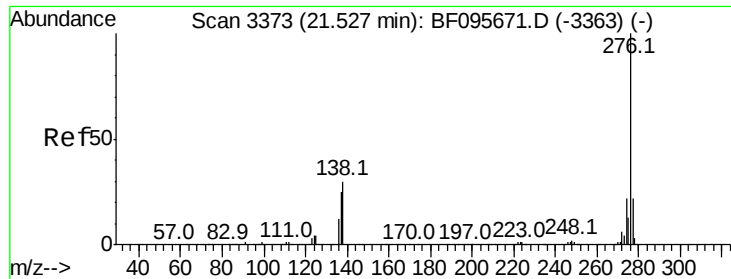
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#90
Dibenzo(a,h)anthracene
Concen: 4.08 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096083.D
Acq: 21 Jun 2017 14:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.9	16.6	24.8#
279	25.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 9.62 ng
 RT: 21.43 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF096083.D
 Acq: 21 Jun 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :
 TK4-4-20170619

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.3	25.4	38.0

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