

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109116.D
 Acq On : 19 Sep 2018 00:32
 Operator : JU/SJ
 Sample : J4967-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-UST-091718-03

Manual Integrations
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Quant Time: Sep 19 05:41:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	114107	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	386010	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	159530	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	301408	20.00	ng	0.00
75) Chrysene-d12	13.85	240	345182	20.00	ng	0.00
86) Perylene-d12	15.26	264	280067	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	116977	17.03	ng	0.00
7) Phenol-d6	6.35	99	148011	16.71	ng	-0.01
23) Nitrobenzene-d5	7.28	82	87669	12.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	33435	19.31	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	155158	15.24	ng	0.00
78) Terphenyl-d14	12.81	244	168599	11.58	ng	0.00
Target Compounds						
70) Phenanthrene	11.25	178	37711	2.552	ng	99
74) Fluoranthene	12.44	202	80279	5.147	ng	94
77) Pyrene	12.66	202	76351	2.978	ng	98
82) Chrysene	13.88	228	45268	2.165	ng	96
87) Benzo(b)fluoranthene	14.86	252	49928m	3.222	ng	
89) Benzo(a)pyrene	15.20	252	31412	2.283	ng	# 95

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

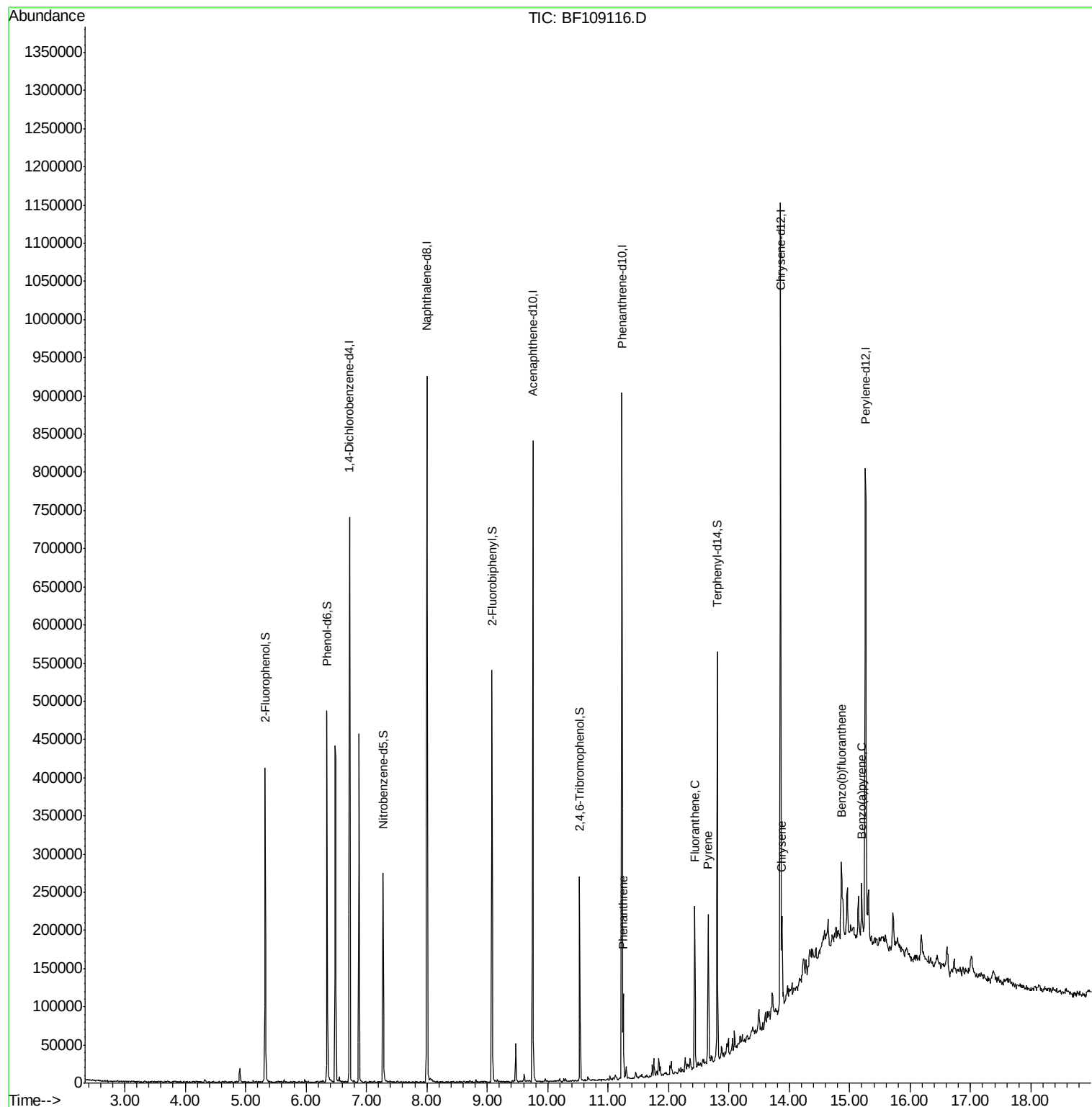
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109116.D
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Misc :
ALS Vial : 26 Sample Multiplier: 1

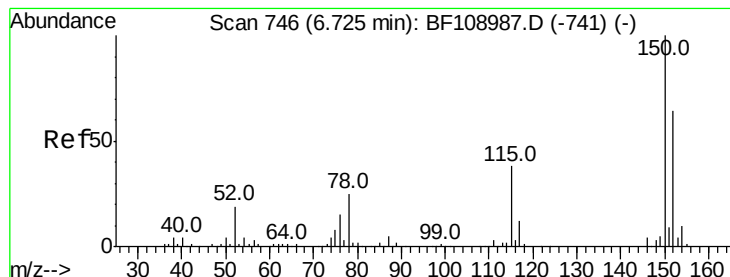
Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-03

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Quant Time: Sep 19 05:41:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
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#1

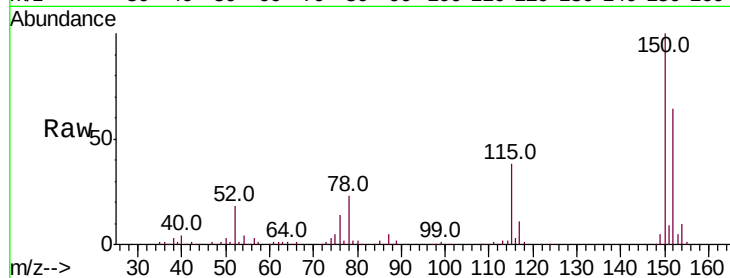
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	59.1	50.1	75.1

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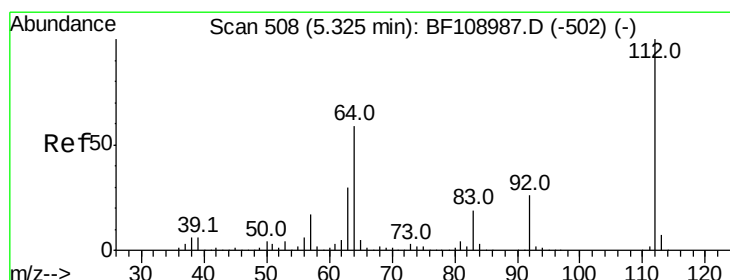
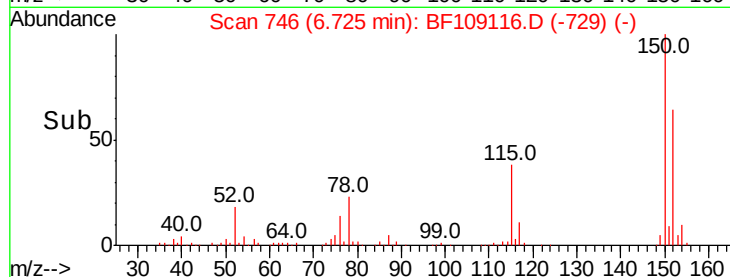
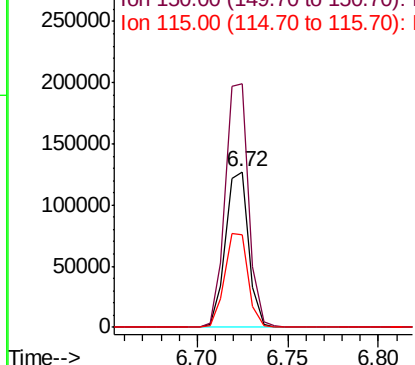


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

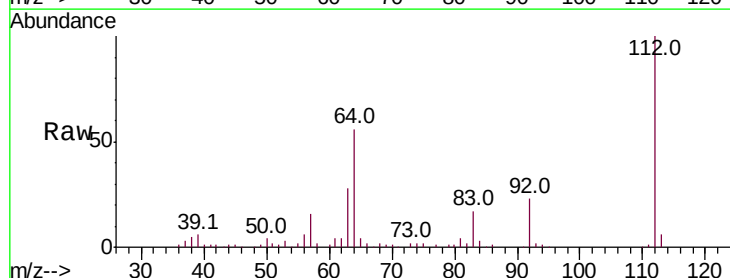
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.027 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.0	23.7	35.5

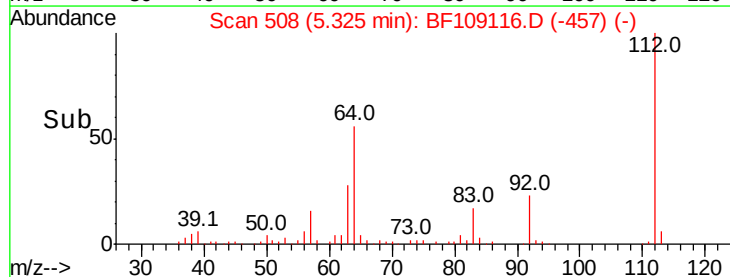
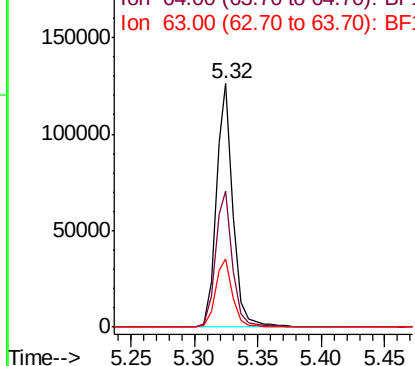


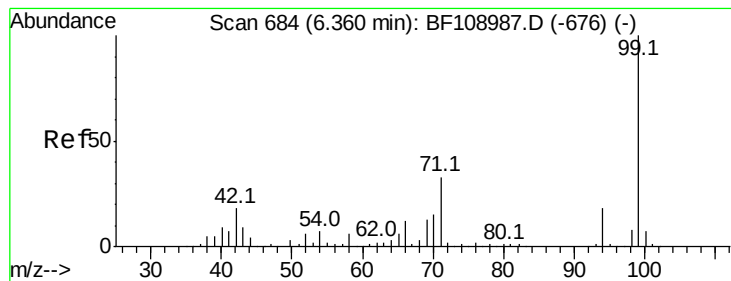
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.708 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

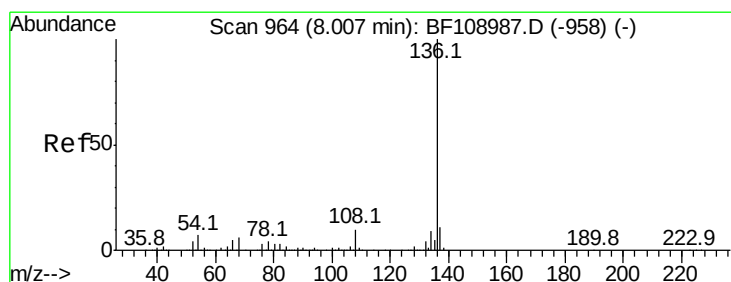
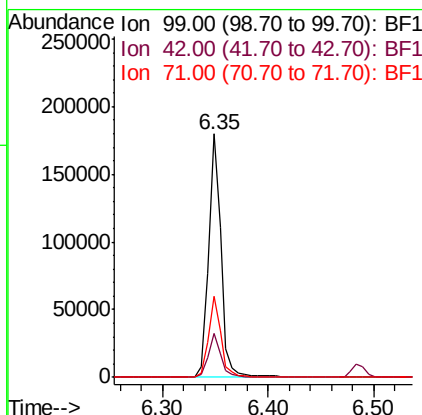
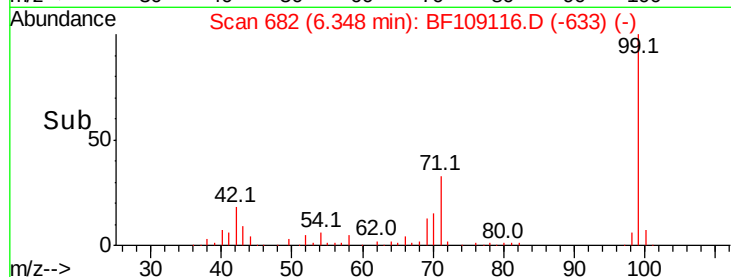
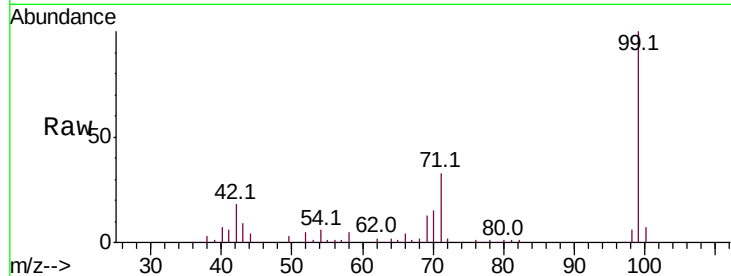
ClientSampleId :

SUP-UST-091718-03

Tot Ion:	99	Resp:	148011
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

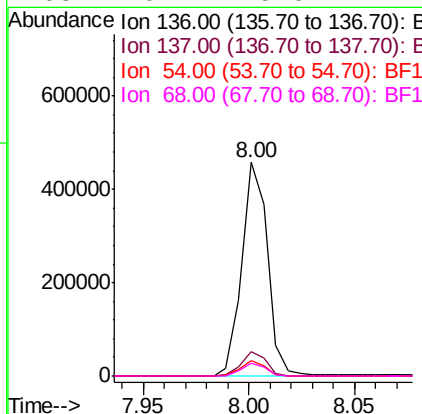
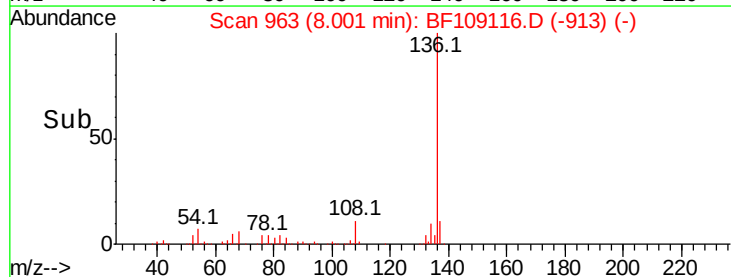
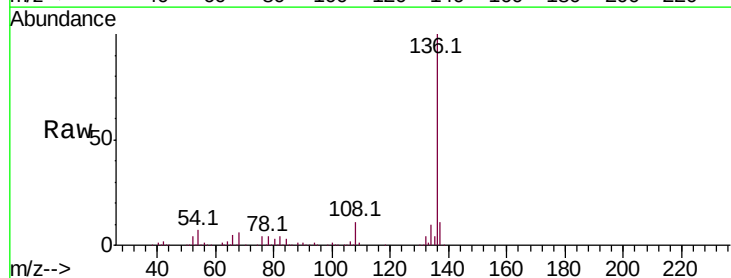
RT: 8.00 min Scan# 963

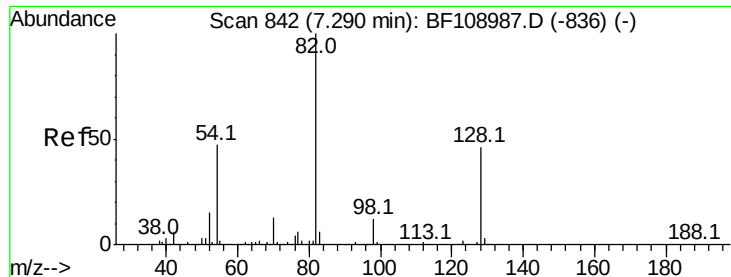
Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Tgt Ion:	136	Resp:	386010
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4





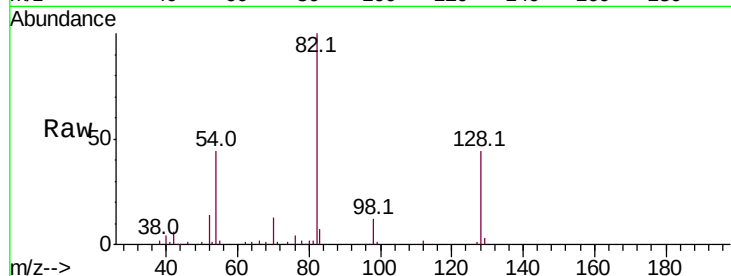
#23
 Nitrobenzene-d5
 Concen: 12.739 ng
 RT: 7.28 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Instrument :
 BNA_F
 ClientSampleID :
 SUP-UST-091718-03

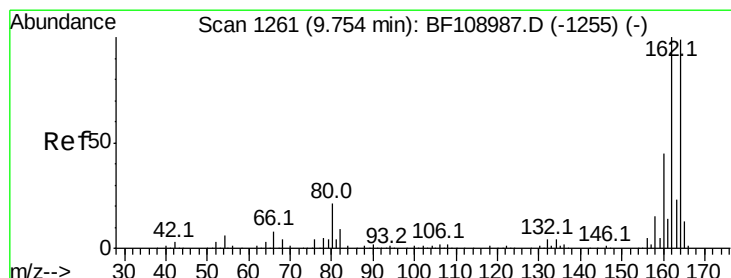
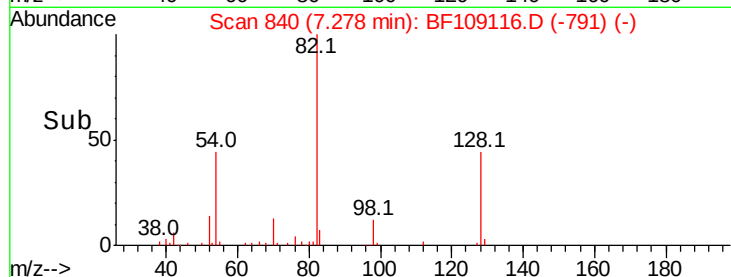
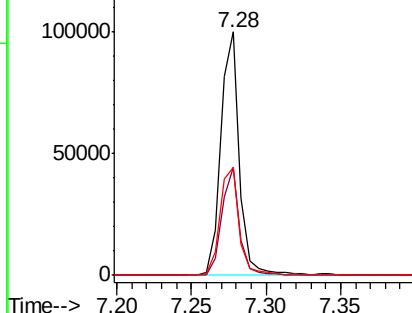
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	44.1	41.4	62.2

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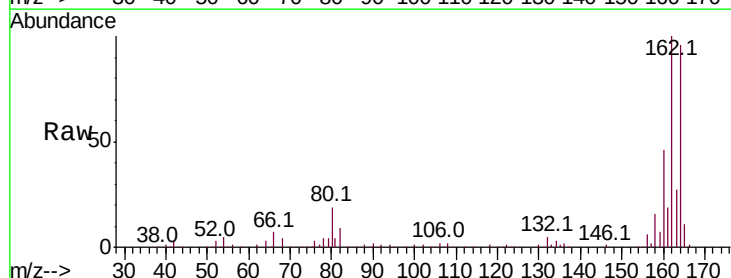


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

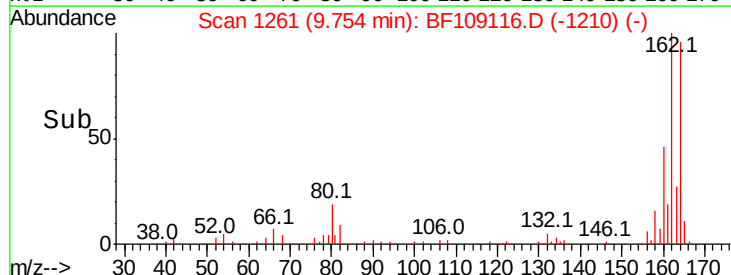
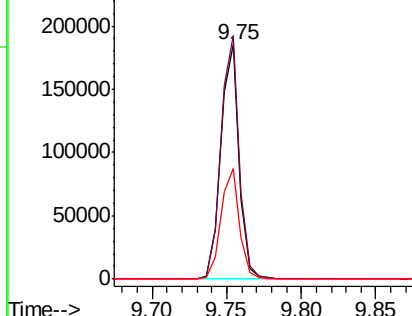


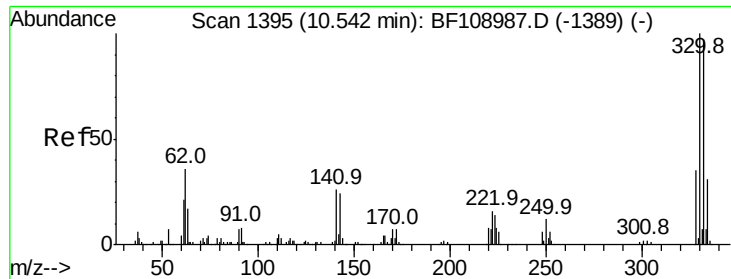
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	47.4	38.3	57.5



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: 19.312 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

ClientSampleId :

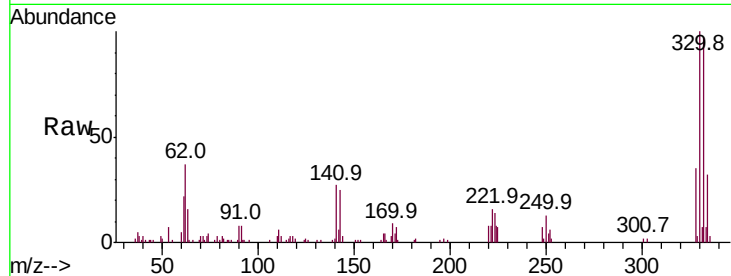
SUP-UST-091718-03

Tot Ion:	330	Resp:	33435
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.0	115.6
141	33.5	29.9	44.9

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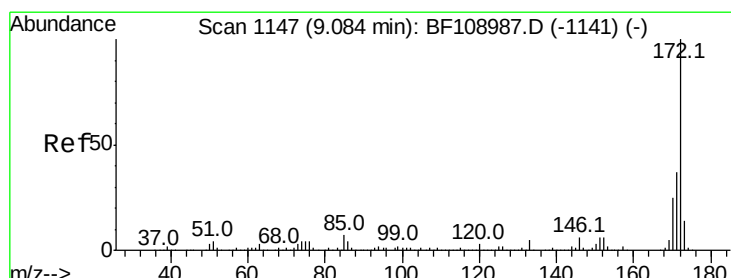
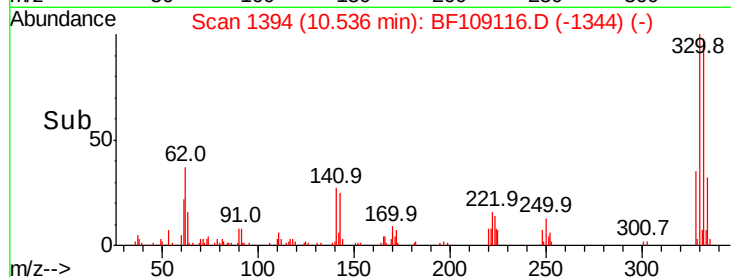
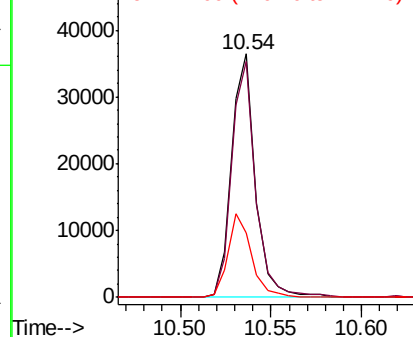


Abundance

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: 15.238 ng

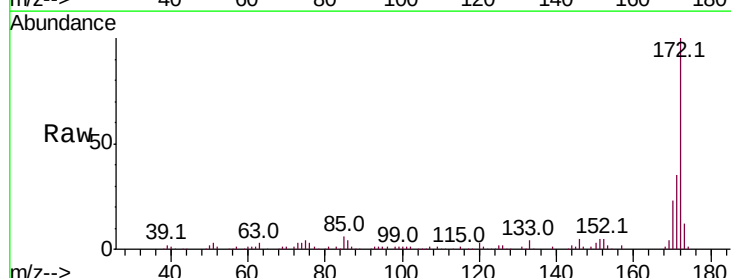
RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Tgt Ion:	172	Resp:	155158
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.7	44.5
170	23.4	19.6	29.4

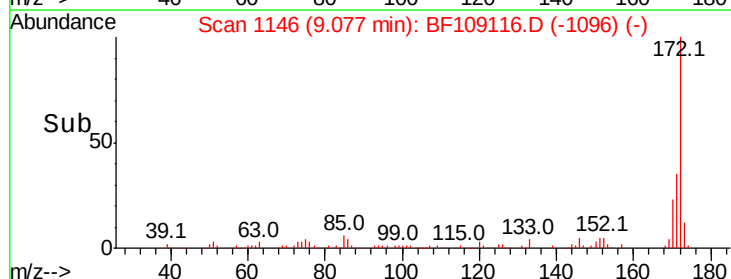
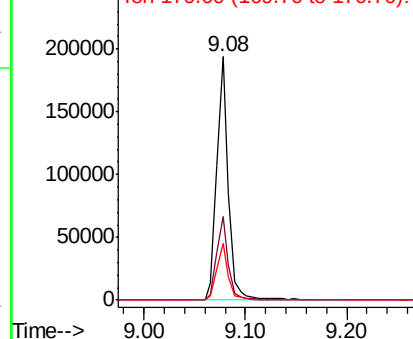


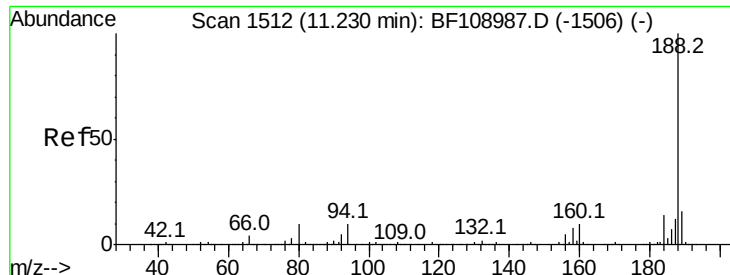
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





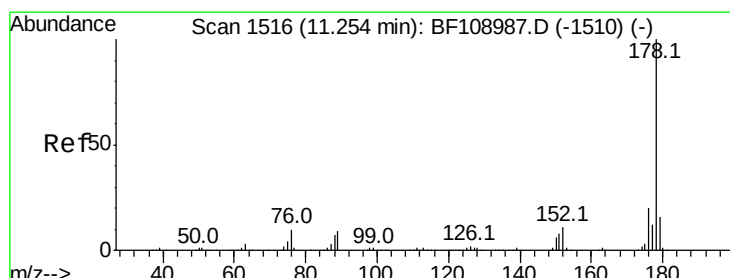
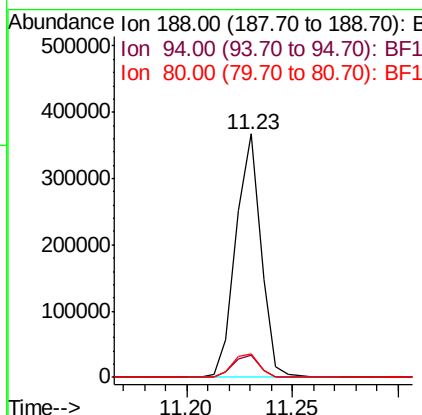
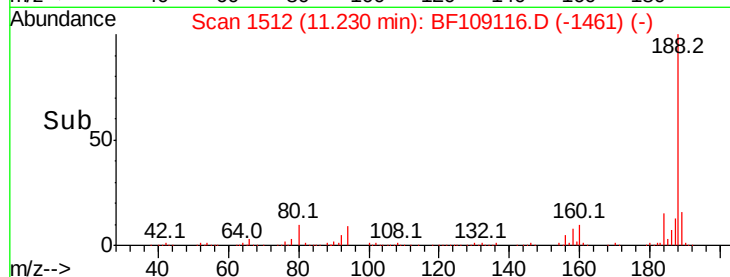
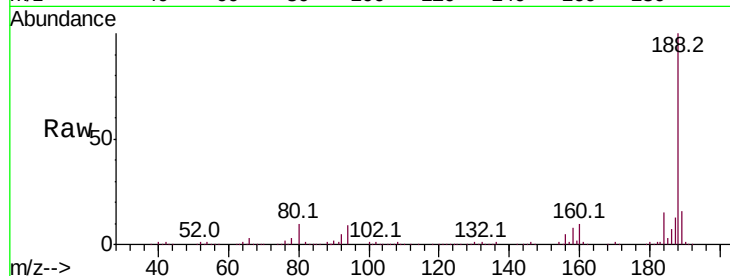
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Instrument :
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 ClientSampleId :
 SUP-UST-091718-03

Tot Ion:188	Resp: 301408
Ion Ratio	Lower Upper
188 100	
94 9.4	8.5 12.7
80 9.6	9.2 13.8

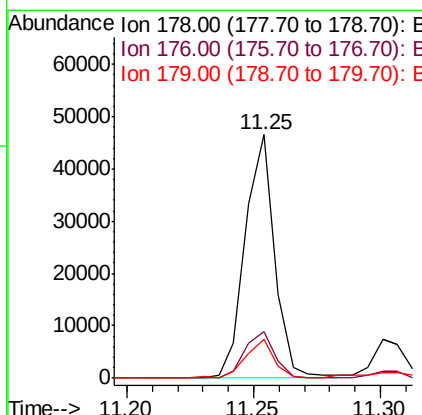
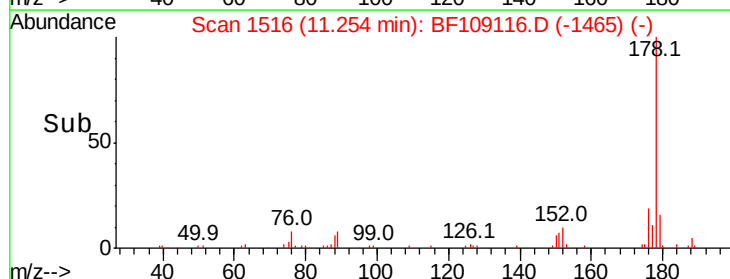
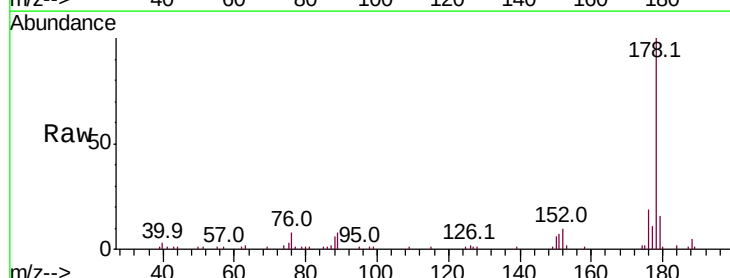
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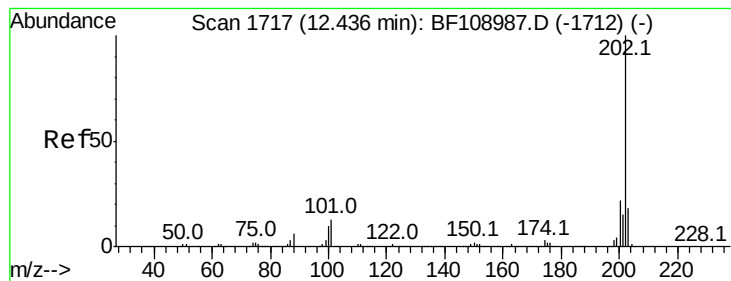
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#70
 Phenanthrene
 Concen: 2.552 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Tgt Ion:178	Resp: 37711
Ion Ratio	Lower Upper
178 100	
176 19.4	15.8 23.8
179 16.1	13.0 19.6





#74

Fluoranthene

Concen: 5.147 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

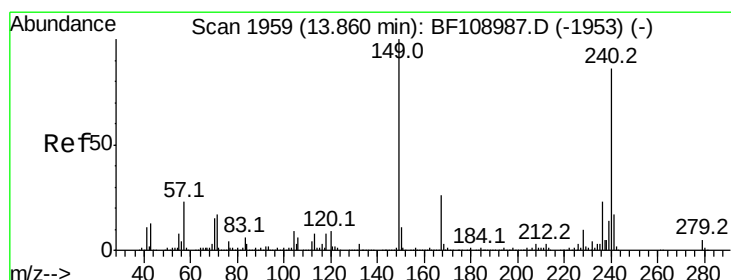
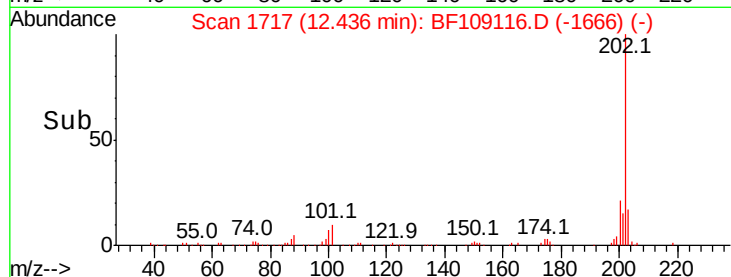
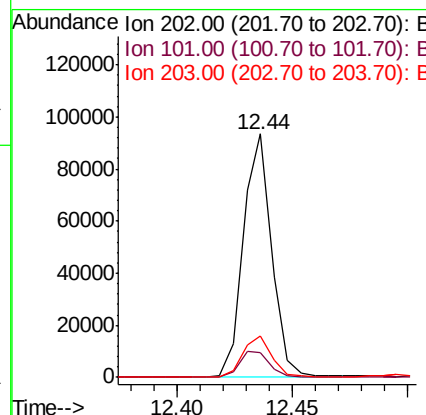
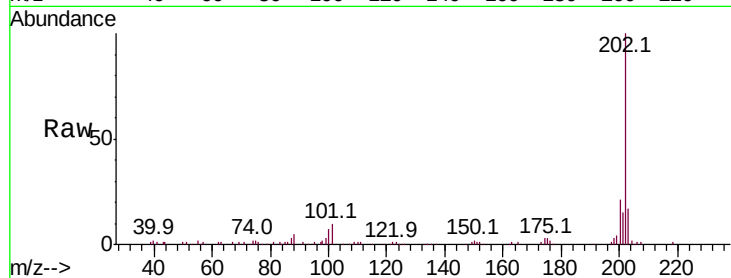
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
202	100	80279		
101	10.4		0.0	34.1
203	16.8		0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

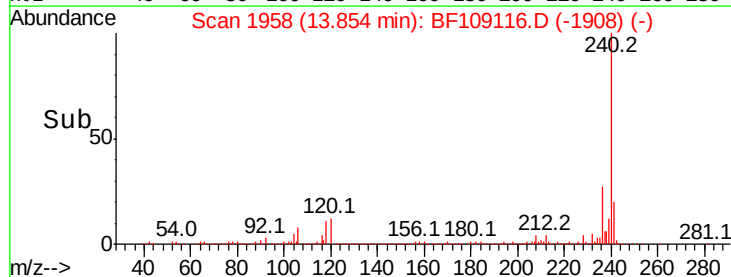
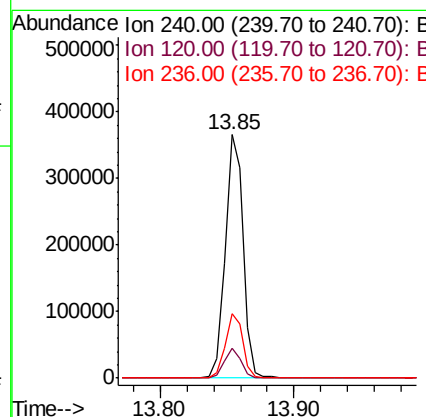
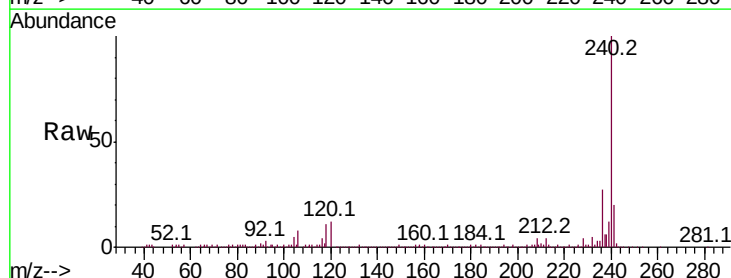
RT: 13.85 min Scan# 1958

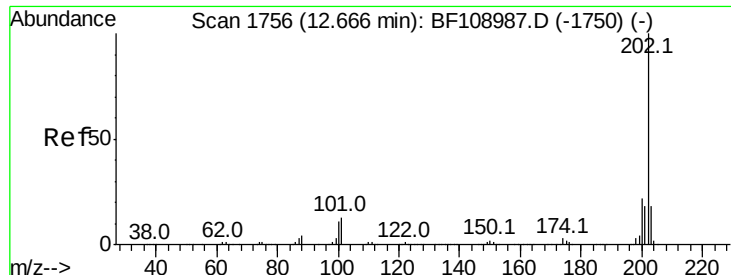
Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	345182		
120	12.2		9.5	14.3
236	26.5		20.7	31.1





#77

Pvrene

Concen: 2.978 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

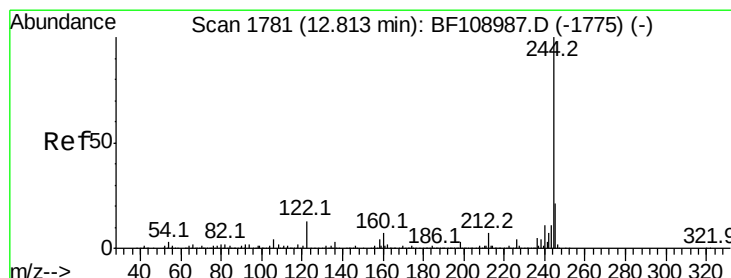
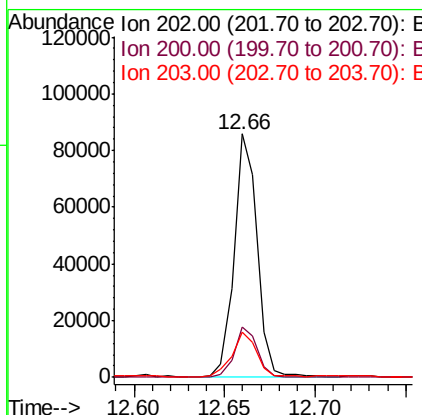
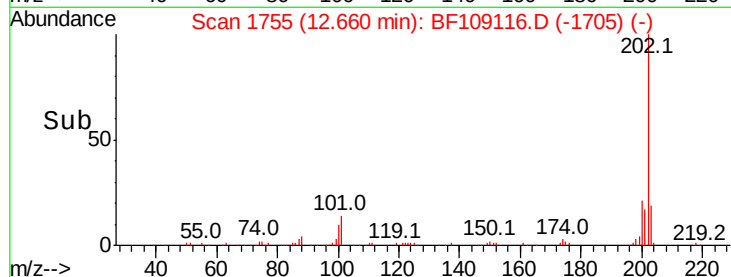
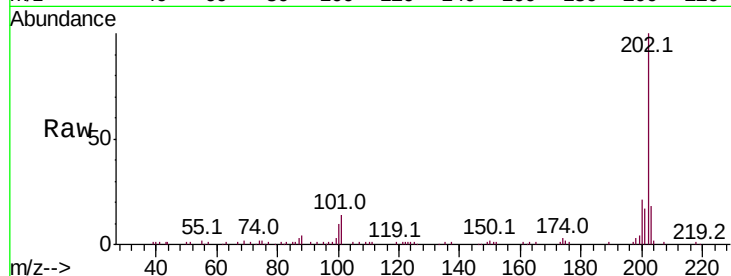
ClientSampleId :

SUP-UST-091718-03

Tot Ion:	202	Resp:	76351
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 11.577 ng

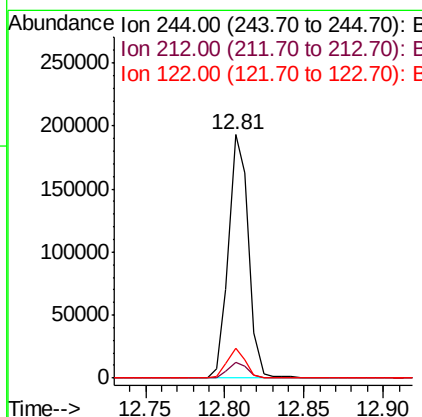
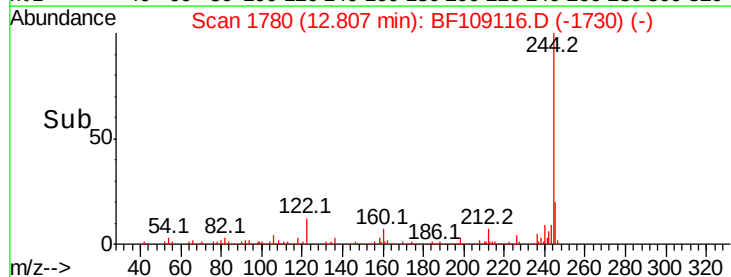
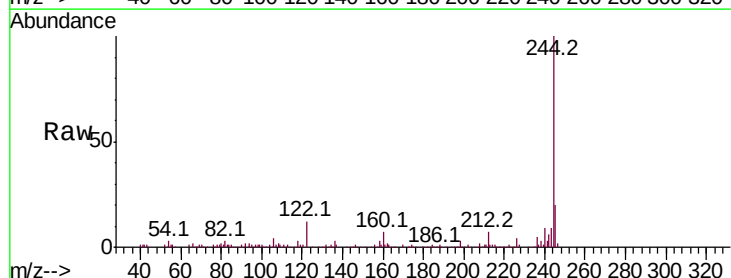
RT: 12.81 min Scan# 1780

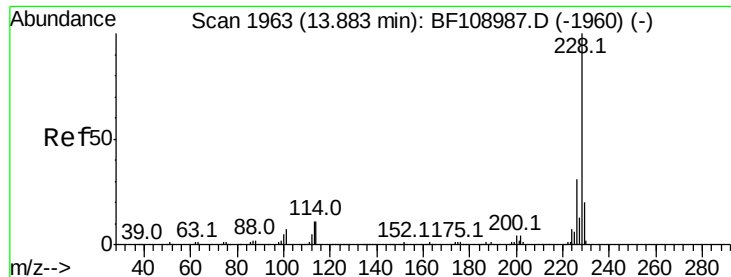
Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Tgt Ion:	244	Resp:	168599
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.5	11.0	16.4





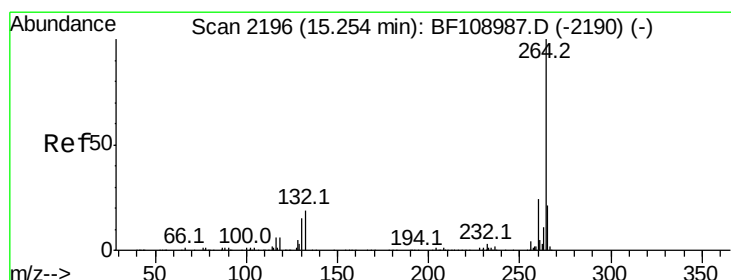
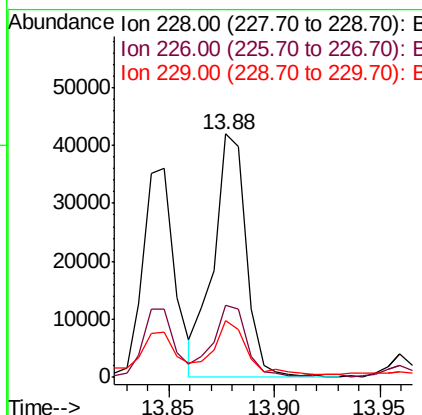
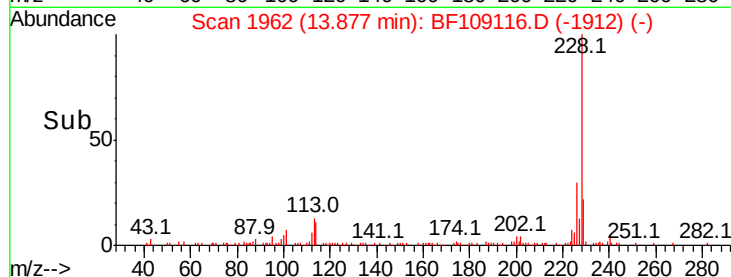
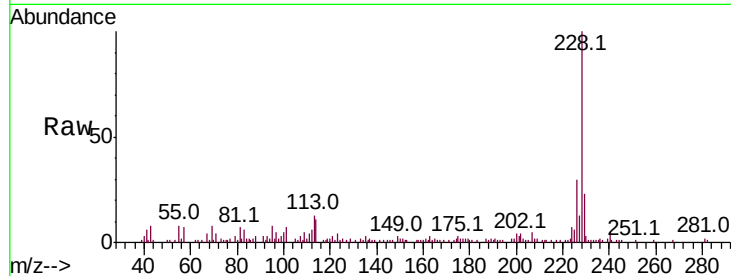
#82
Chrysene
Concen: 2.165 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-03

Tot Ion:228	Resp:	45268
Ion Ratio	Lower	Upper
228 100		
226 29.6	25.0	37.6
229 23.1	16.2	24.4

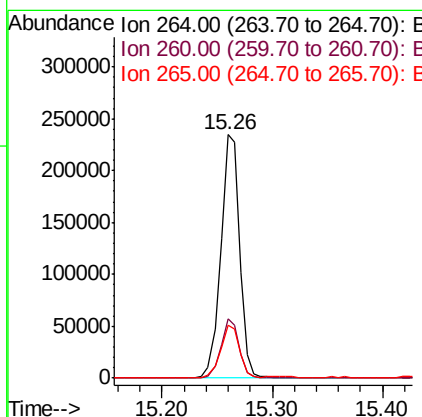
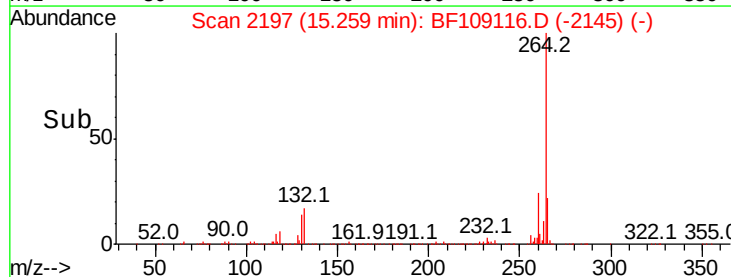
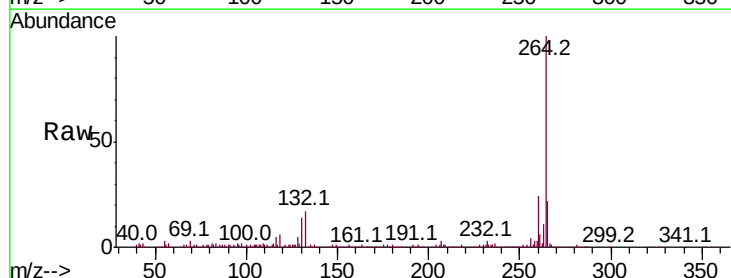
Manual Integrations
APPROVED

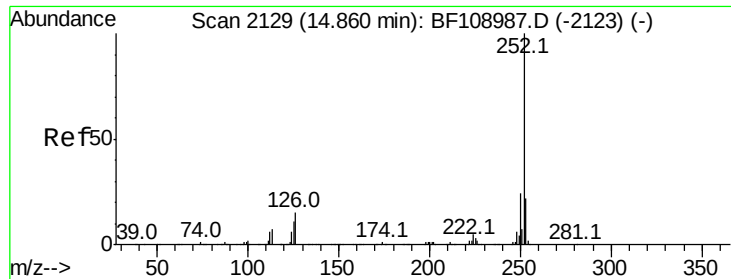
Sohil
9/19/2018 4:24:09 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion:264	Resp:	280067
Ion Ratio	Lower	Upper
264 100		
260 24.2	19.2	28.8
265 22.0	17.5	26.3





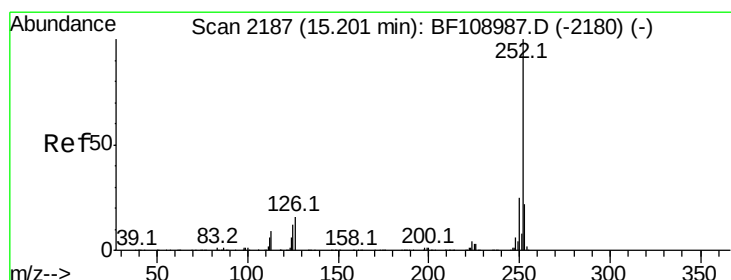
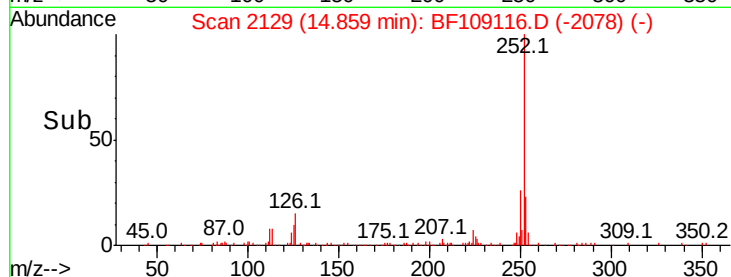
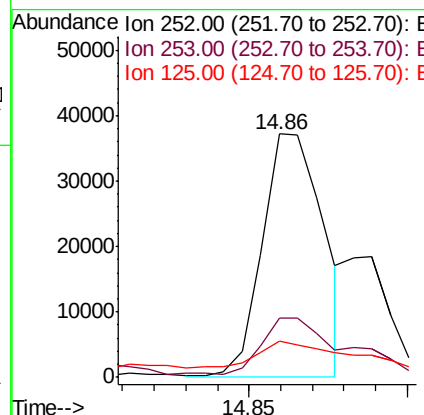
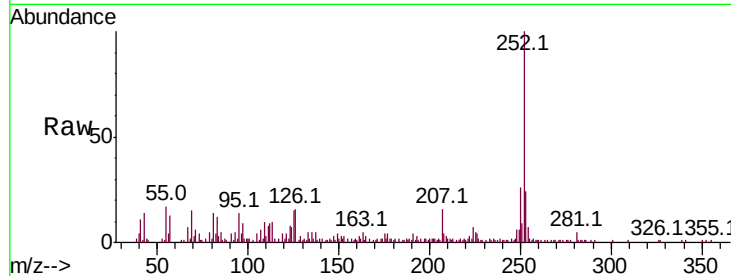
#87
Benzo(b)fluoranthene
Concen: 3.222 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.8	9.0	13.6

Manual Integrations
APPROVED

Sohil
9/19/2018 4:24:09 PM



#89
Benzo(a)pyrene
Concen: 2.283 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	16.0	9.8	14.6

