

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
 Data File : BF109142.D
 Acq On : 19 Sep 2018 14:42
 Operator : JU/SJ
 Sample : J4967-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-UST-091718-01

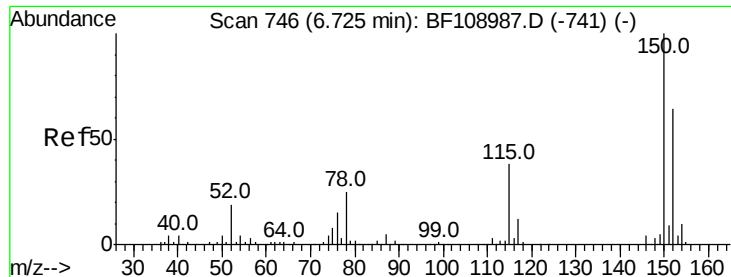
Manual Integrations
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Quant Time: Sep 19 15:09:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	156172	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	585248	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267448	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	453093	20.00	ng	0.00
75) Chrysene-d12	13.85	240	278449	20.00	ng	0.00
86) Perylene-d12	15.27	264	418202	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	761051	80.94	ng	0.01
7) Phenol-d6	6.36	99	983846	81.14	ng	0.00
23) Nitrobenzene-d5	7.28	82	648315	62.13	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	206422	71.12	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1065715	62.43	ng	0.00
78) Terphenyl-d14	12.81	244	802897	68.35	ng	0.00
Target Compounds						
10) Phenol	6.37	94	27309	2.002	ng	98
49) Dimethylphthalate	9.47	163	172292	9.013	ng	100
70) Phenanthrene	11.25	178	300909	13.548	ng	99
71) Anthracene	11.30	178	75769	3.365	ng	98
74) Fluoranthene	12.44	202	490070	20.900	ng	96
77) Pyrene	12.66	202	440034	21.275	ng	99
80) Benzo(a)anthracene	13.84	228	201140	11.931	ng	94
82) Chrysene	13.88	228	230788	13.683	ng	96
85) Indeno(1,2,3-cd)pyrene	16.61	276	194269	14.407	ng	# 87
87) Benzo(b)fluoranthene	14.87	252	369615m	15.976	ng	
88) Benzo(k)fluoranthene	14.89	252	89774m	4.154	ng	
89) Benzo(a)pyrene	15.20	252	250110	12.173	ng	98
90) Dibenzo(a,h)anthracene	16.62	278	46941m	2.719	ng	
91) Benzo(g,h,i)perylene	17.02	276	177857	10.306	ng	# 92

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



#1

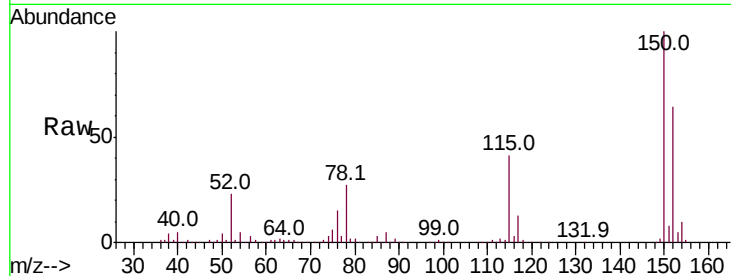
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	63.8	50.1	75.1

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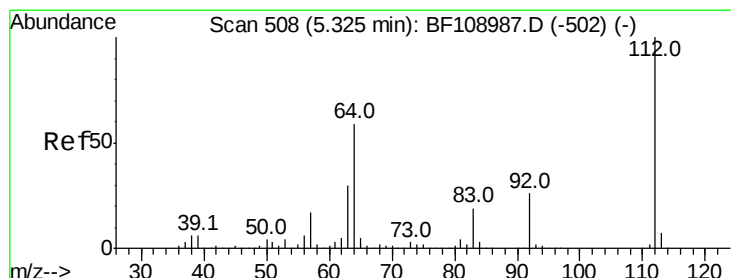
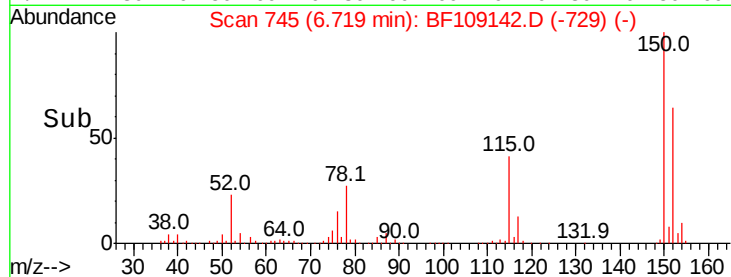
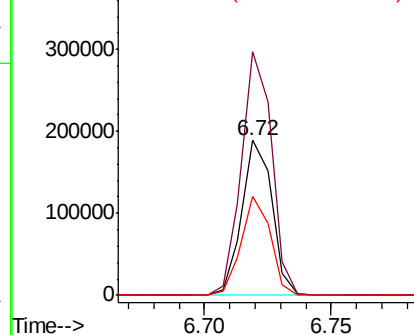


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

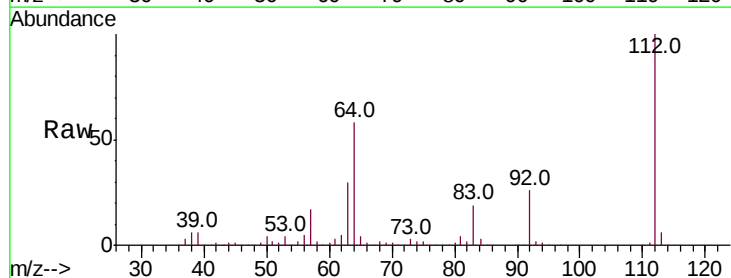
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.938 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	30.2	23.7	35.5

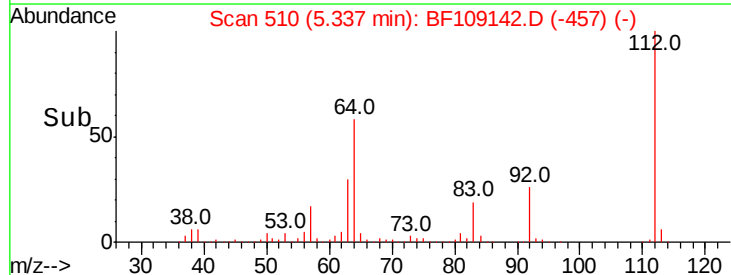
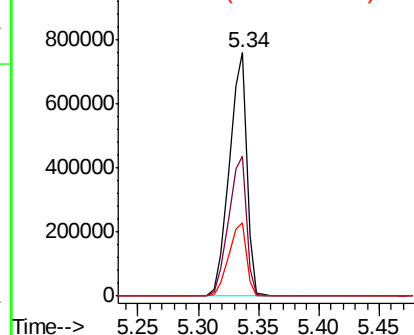


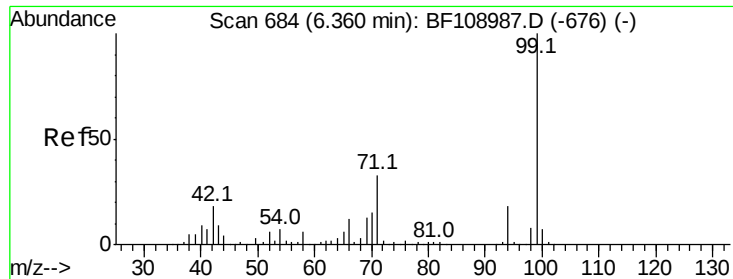
Abundance

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: 81.144 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_F

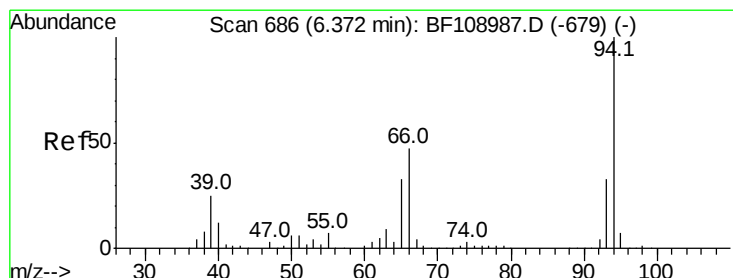
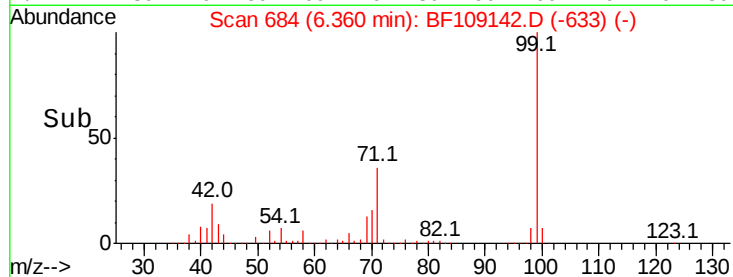
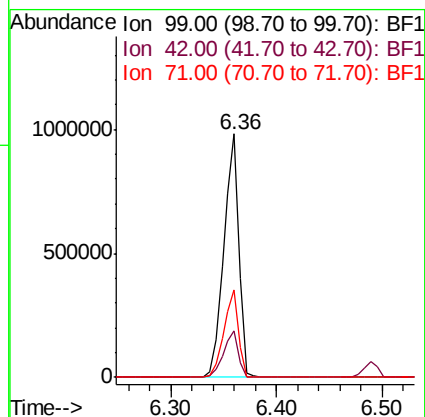
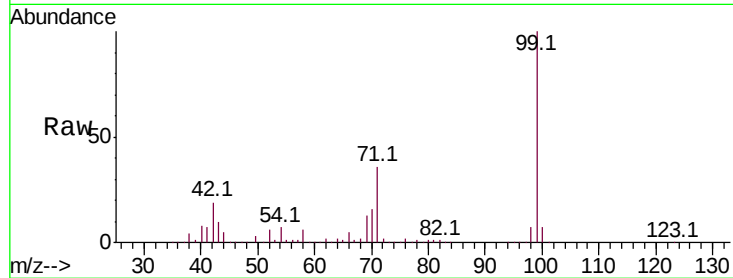
ClientSampleId :

SUP-UST-091718-01

Tot Ion:	99	Resp:	983846
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	35.7	25.4	38.0

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#10

Phenol

Concen: 2.002 ng

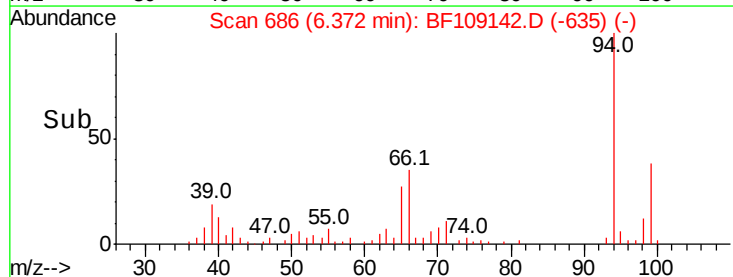
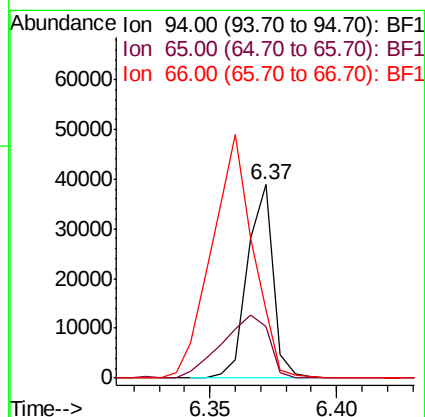
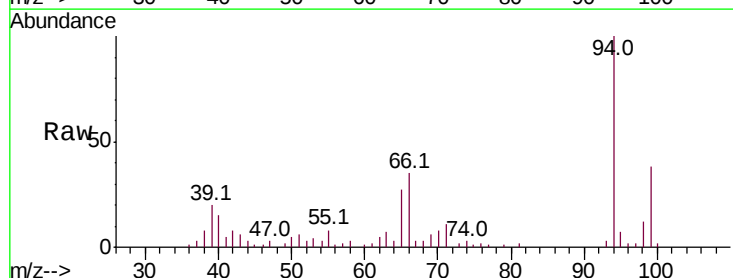
RT: 6.37 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	94	Resp:	27309
Ion Ratio	Lower	Upper	
94	100		
65	26.8	7.9	47.9
66	35.3	16.2	56.2





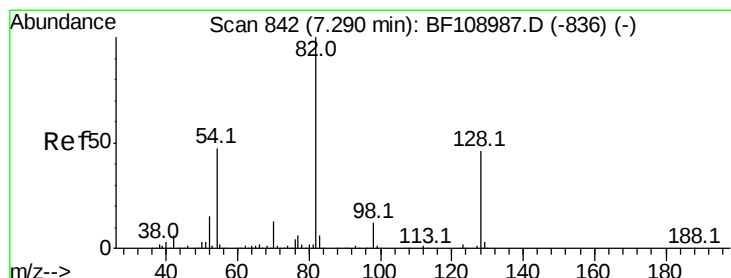
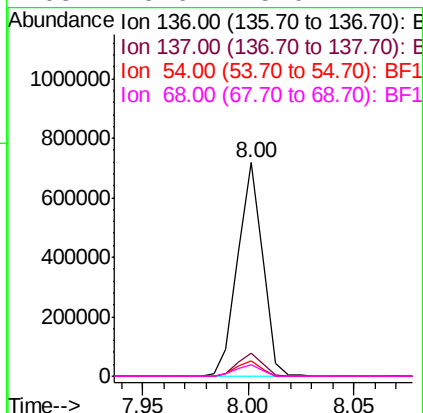
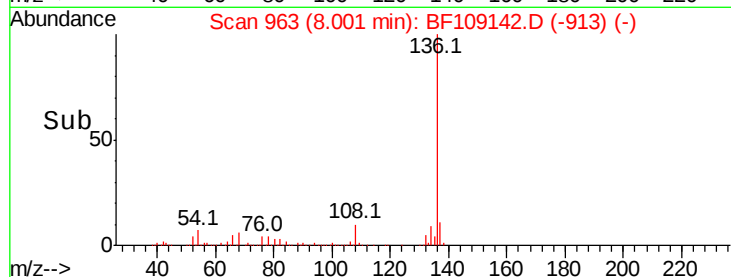
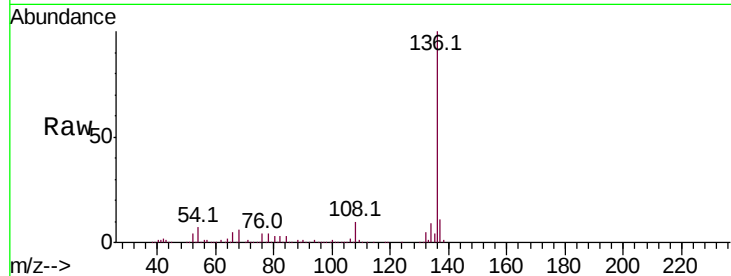
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.1	6.6	9.8	
68	5.6	5.0	7.4	

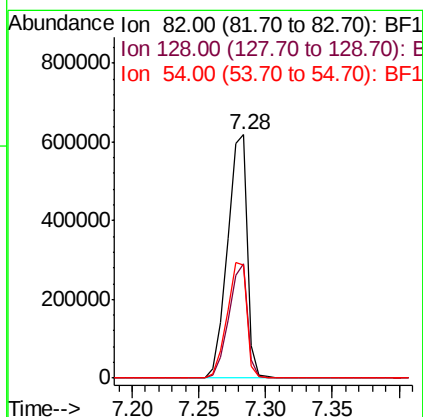
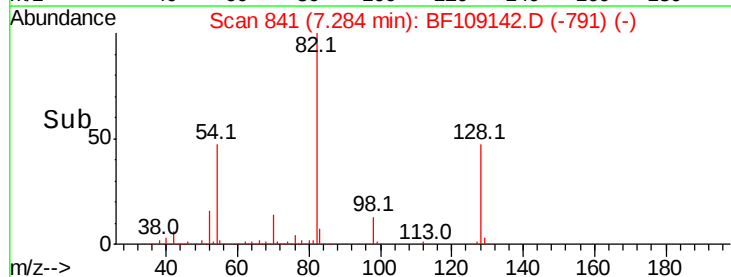
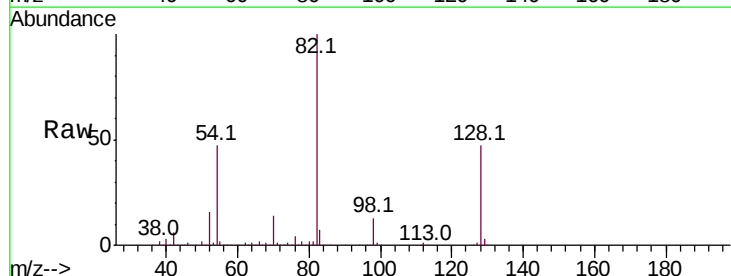
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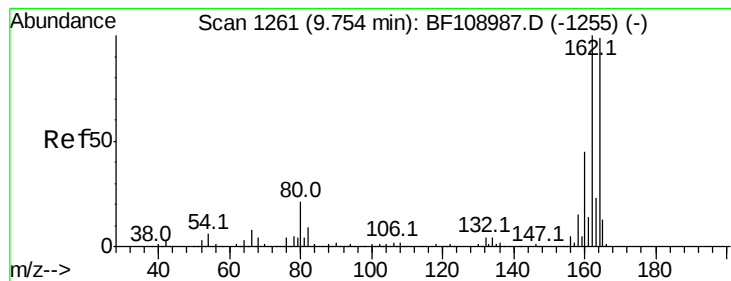
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#23
Nitrobenzene-d5
Concen: 62.132 ng
RT: 7.28 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	36.1	54.1	
54	46.6	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_F

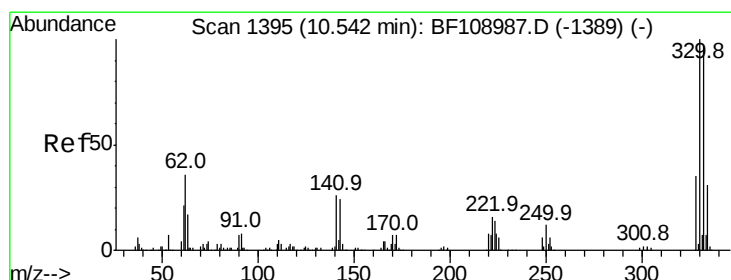
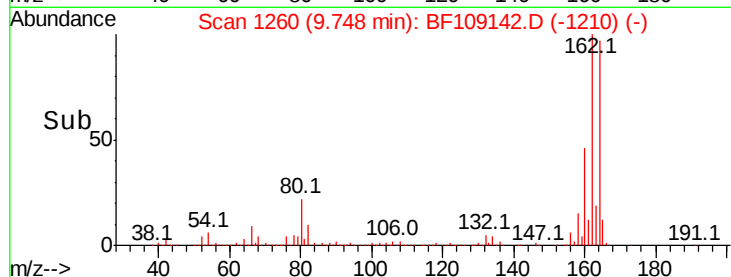
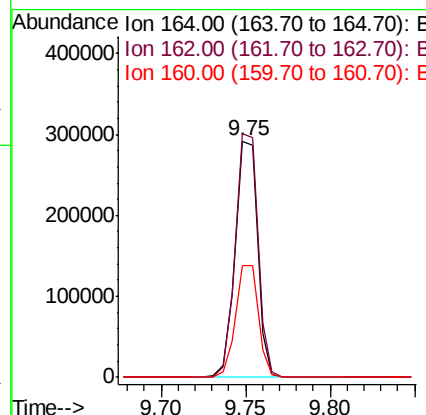
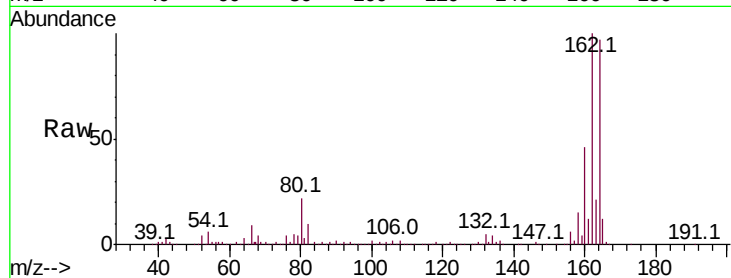
ClientSampleId :

SUP-UST-091718-01

Tot Ion:	164	Resp:	267448
Ion Ratio	Lower	Upper	
164	100		
162	103.0	86.1	129.1
160	47.2	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 71.118 ng

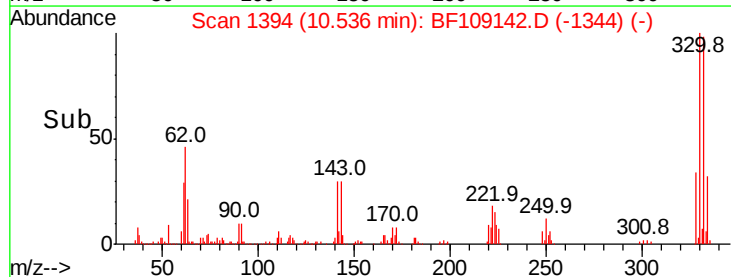
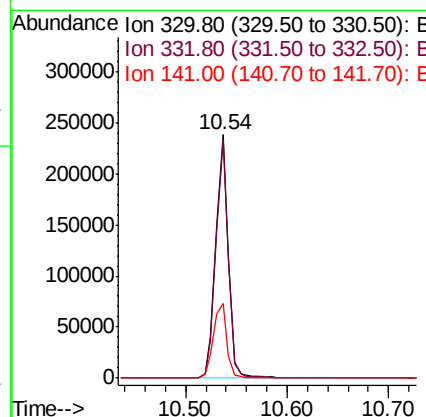
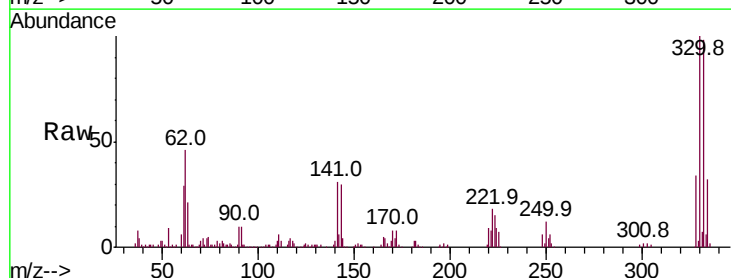
RT: 10.54 min Scan# 1394

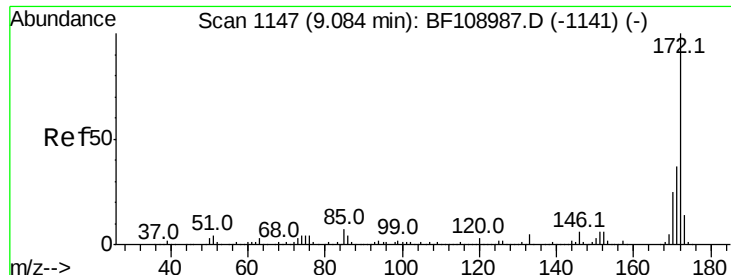
Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	330	Resp:	206422
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.0	115.6
141	32.2	29.9	44.9





#44

2-Fluorobiphenyl

Concen: 62.430 ng

RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_F

ClientSampleId :

SUP-UST-091718-01

Tot Ion:172 Resp: 1065715

Ion Ratio Lower Upper

172 100

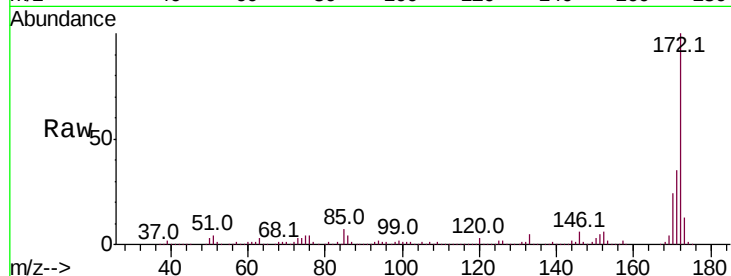
171 35.4 29.7 44.5

170 24.1 19.6 29.4

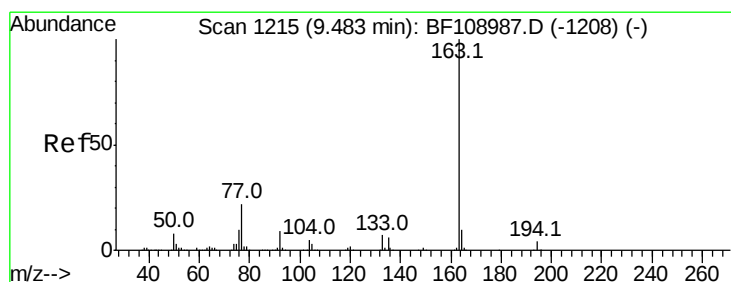
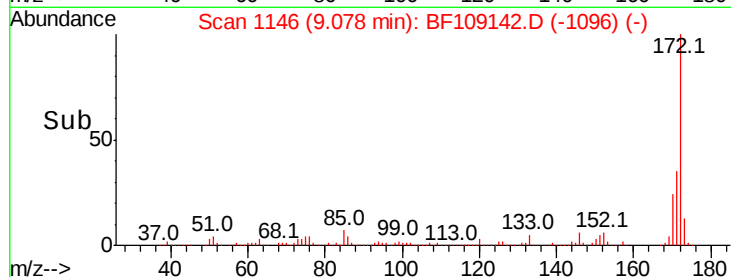
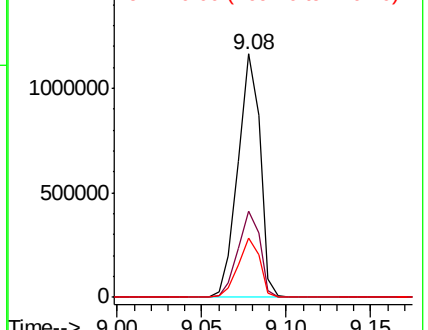
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 9.013 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

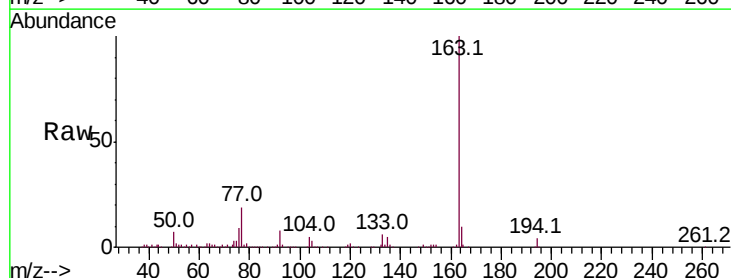
Tgt Ion:163 Resp: 172292

Ion Ratio Lower Upper

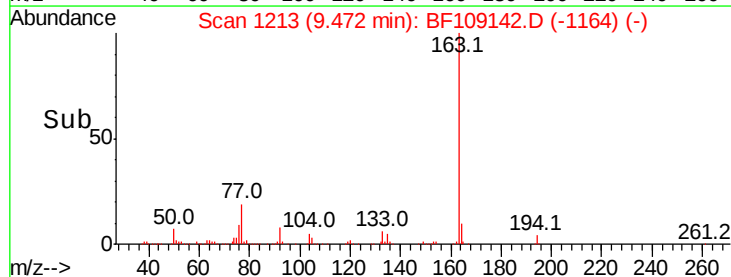
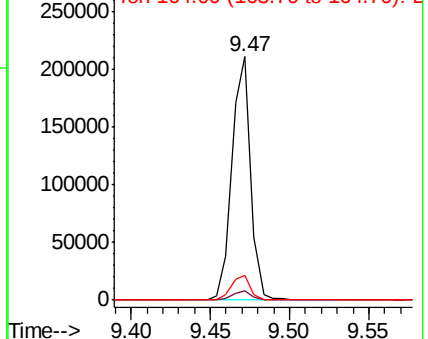
163 100

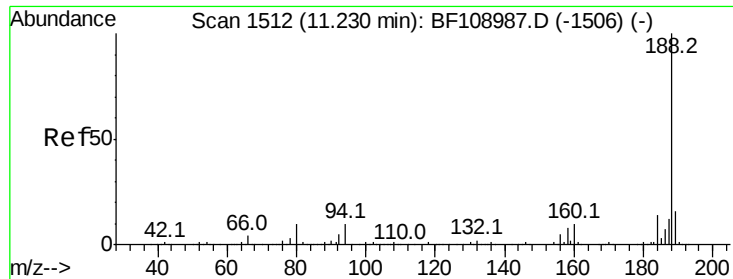
194 3.9 2.7 4.1

164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





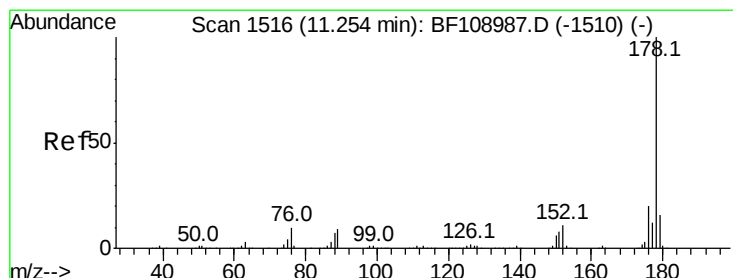
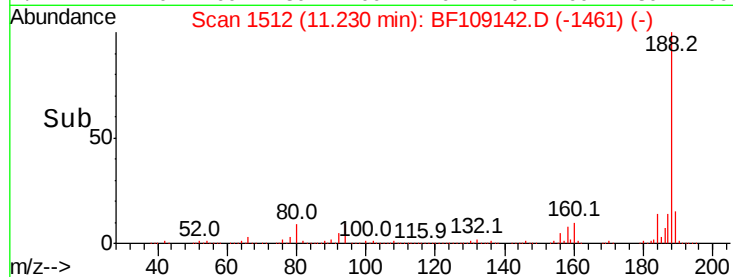
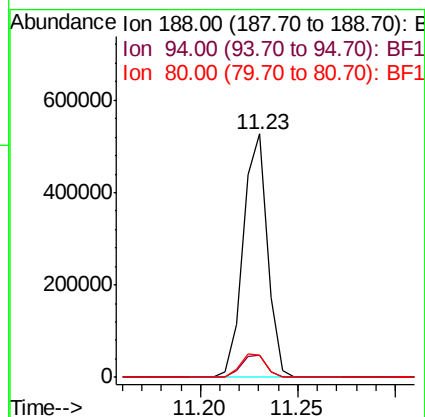
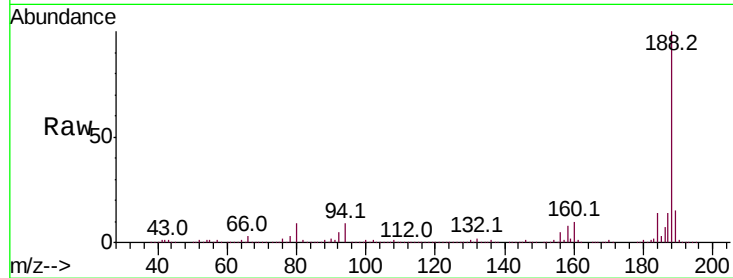
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-01

Tot Ion:	188	Resp:	453093
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	9.3	9.2	13.8

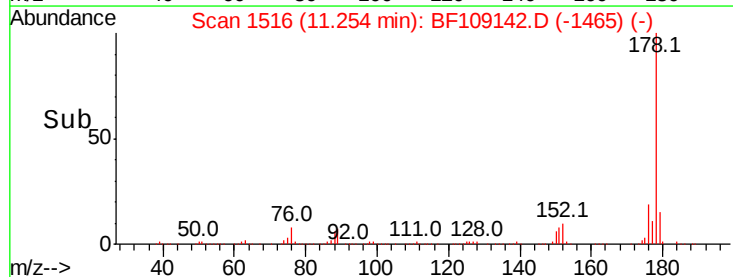
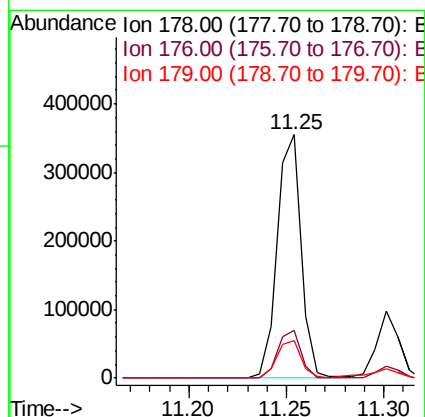
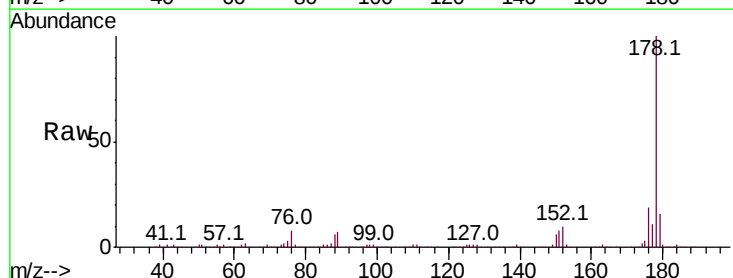
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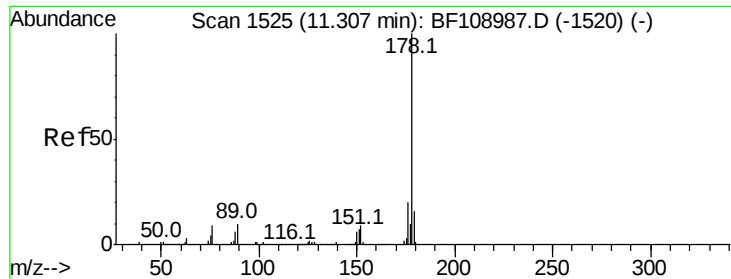
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#70
Phenanthrene
Concen: 13.548 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion:	178	Resp:	300909
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.6	13.0	19.6





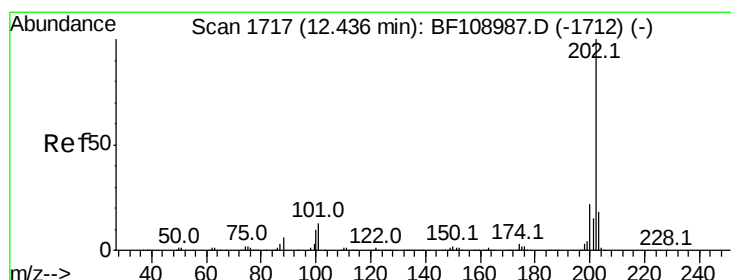
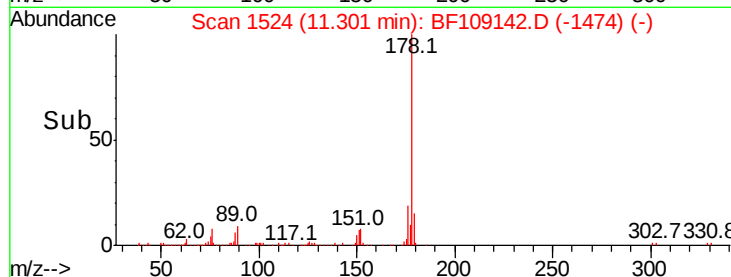
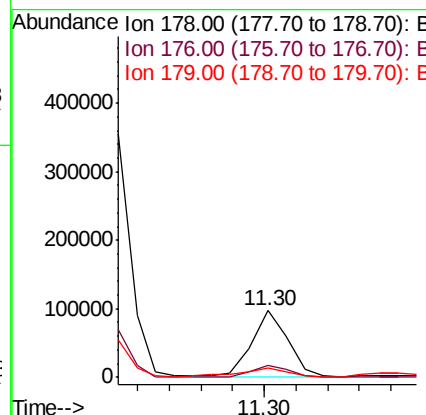
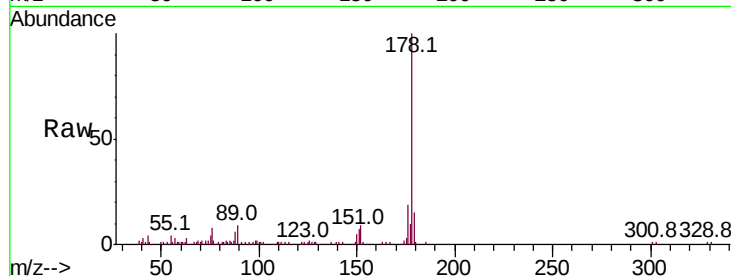
#71
 Anthracene
 Concen: 3.365 ng
 RT: 11.30 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 SUP-UST-091718-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.8	12.6	19.0

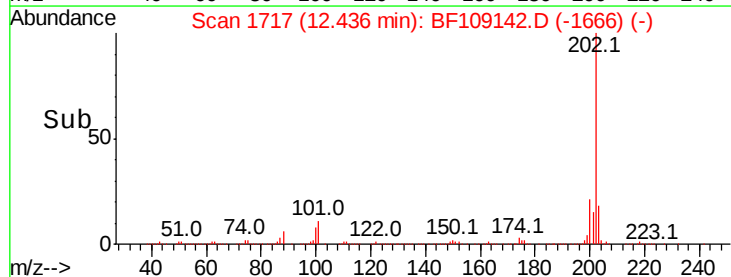
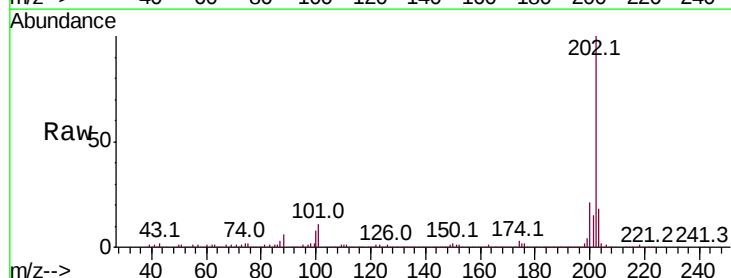
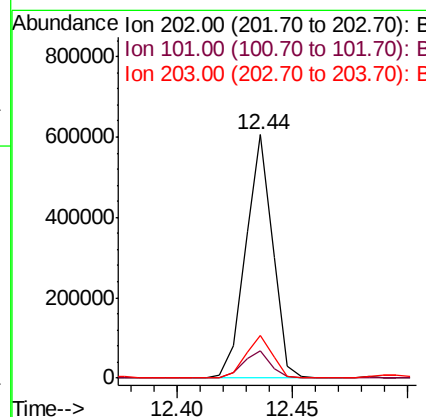
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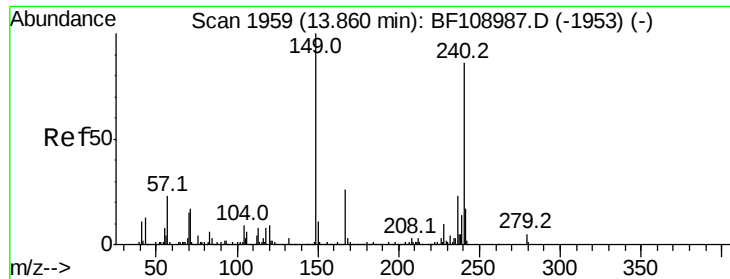
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#74
 Fluoranthene
 Concen: 20.900 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_F

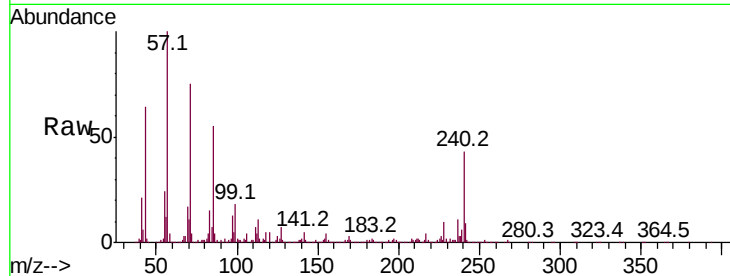
ClientSampleId :

SUP-UST-091718-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	278449		
120	12.0		9.5	14.3
236	25.7		20.7	31.1

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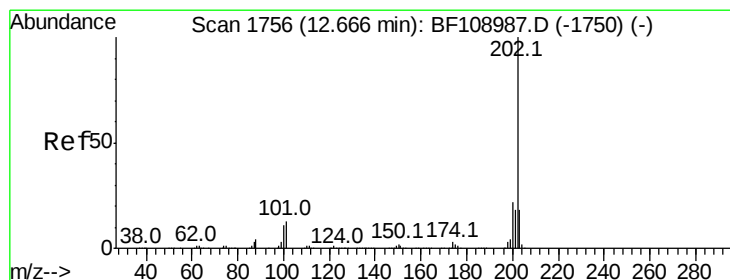
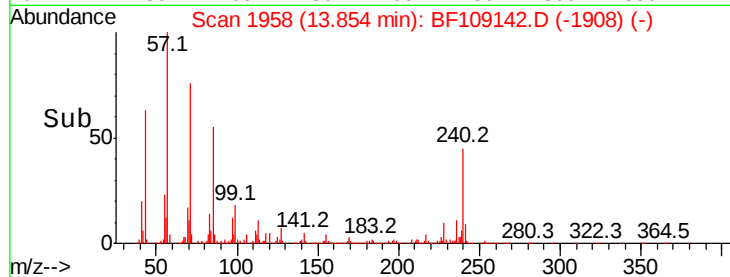
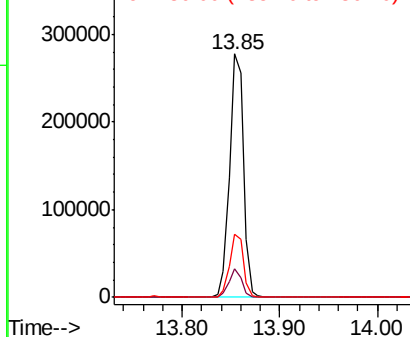


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 21.275 ng

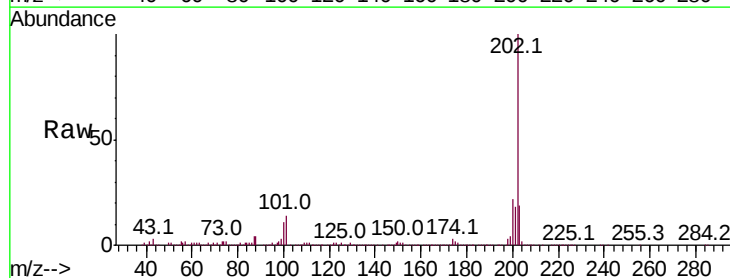
RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	440034		
200	21.5		17.4	26.2
203	18.5		14.3	21.5

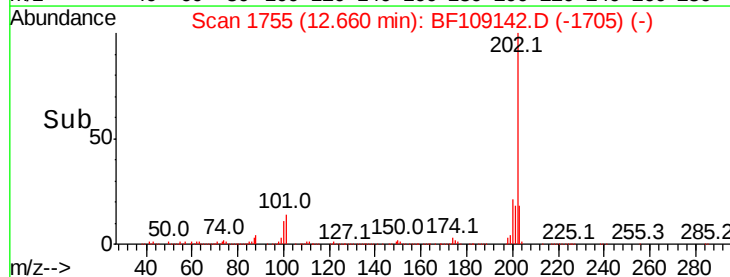
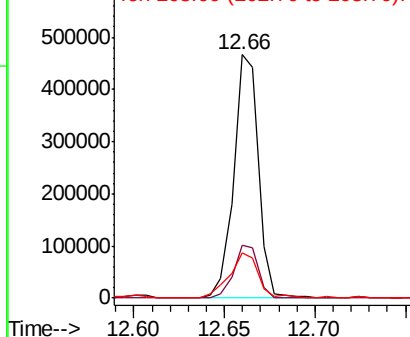


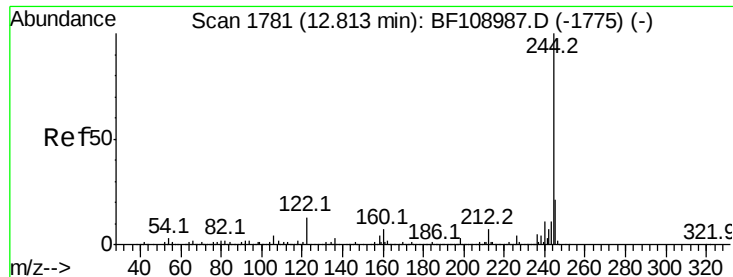
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





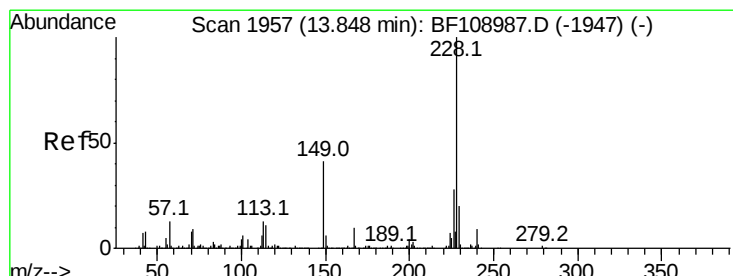
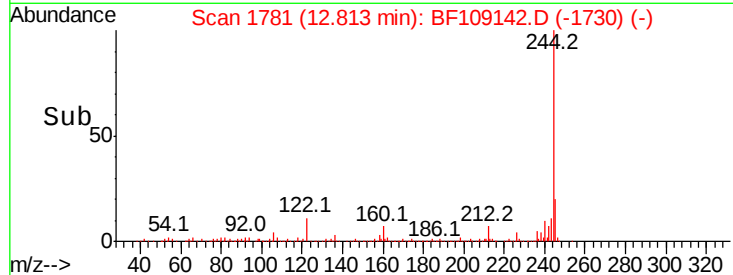
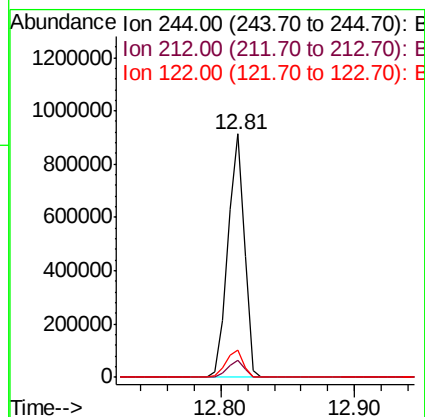
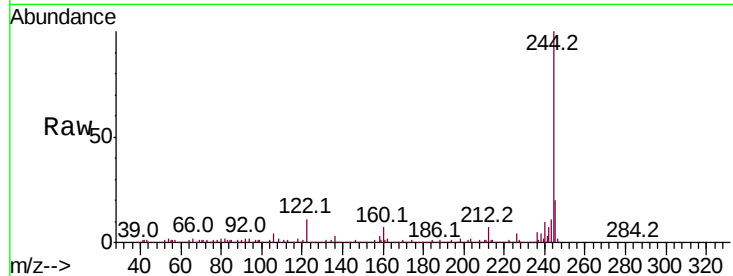
#78
 Terphenyl-d14
 Concen: 68.346 ng
 RT: 12.81 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Instrument :
 BNA_F
 ClientSampleId :
 SUP-UST-091718-01

Tot Ion:	244	Resp:	802897
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	11.3	11.0	16.4

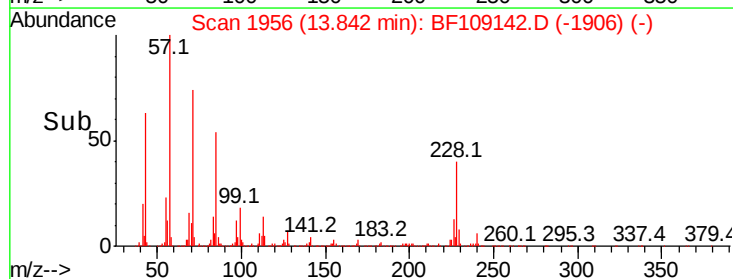
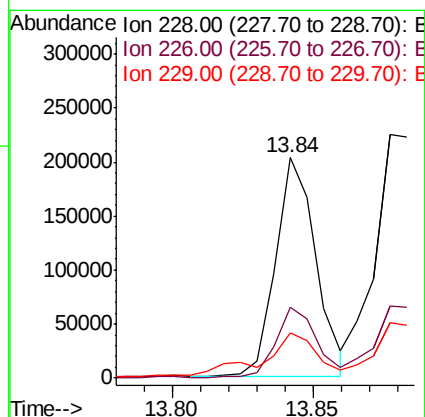
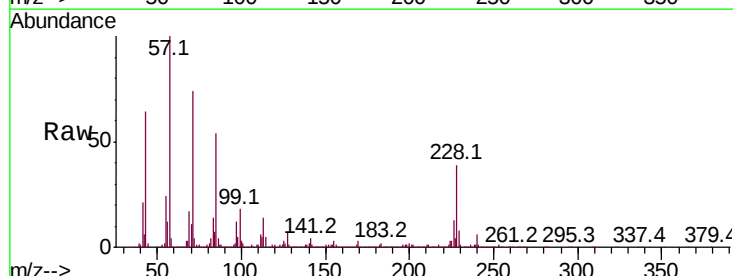
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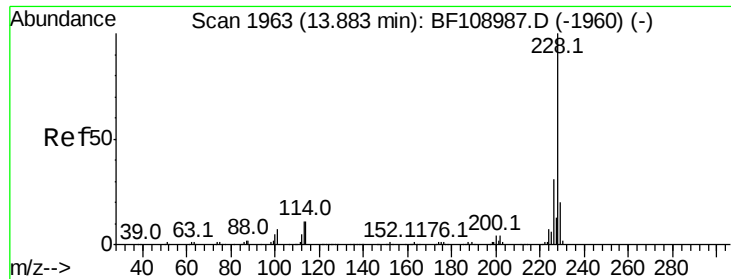
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#80
 Benzo(a)anthracene
 Concen: 11.931 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF109142.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:	228	Resp:	201140
Ion Ratio	Lower	Upper	
228	100		
226	32.3	22.6	33.8
229	20.8	15.8	23.6





#82

Chrysene

Concen: 13.683 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Instrument :

BNA_F

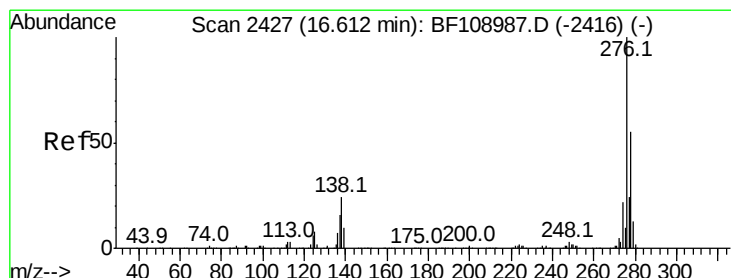
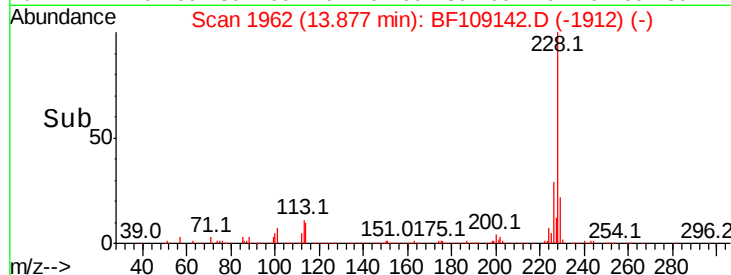
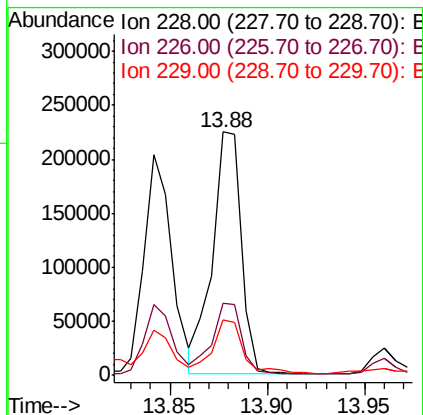
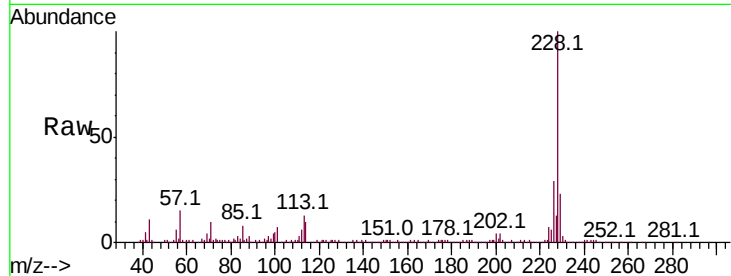
ClientSampleId :

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Tot Ion:	228	Resp:	230788
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	22.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 14.407 ng

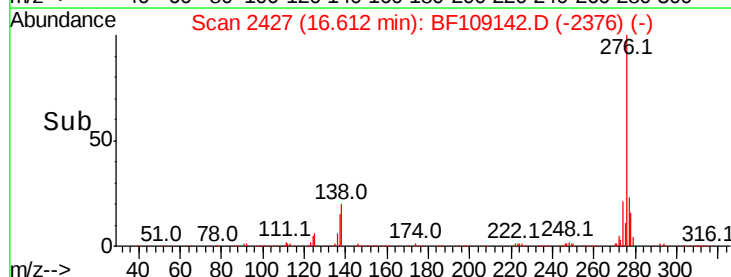
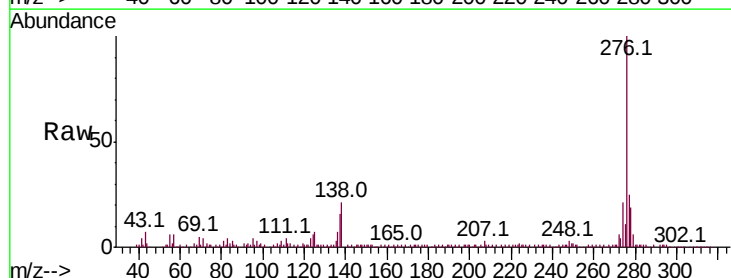
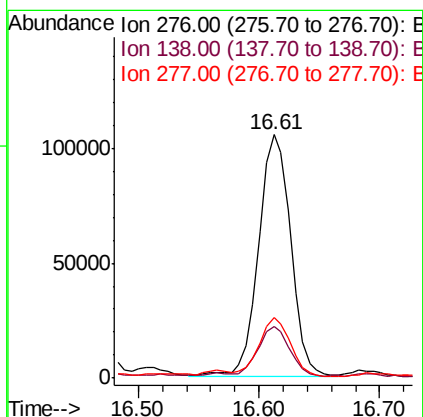
RT: 16.61 min Scan# 2427

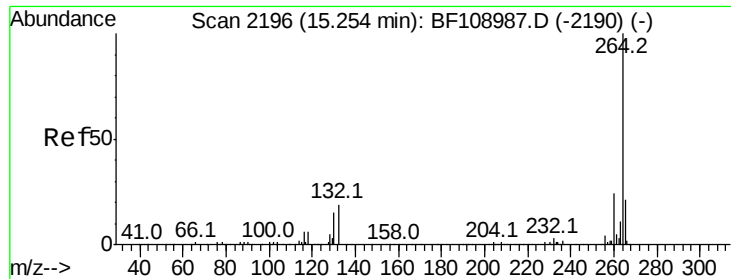
Delta R.T. -0.00 min

Lab File: BF109142.D

Acq: 19 Sep 2018 14:42

Tgt Ion:	276	Resp:	194269
Ion Ratio	Lower	Upper	
276	100		
138	19.7	25.0	37.6#
277	23.5	20.1	30.1





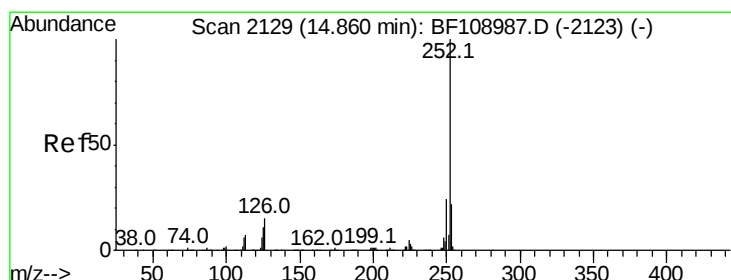
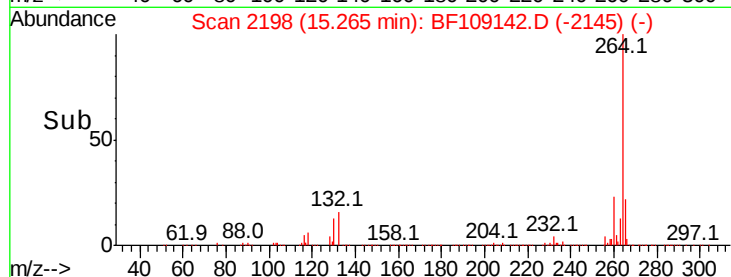
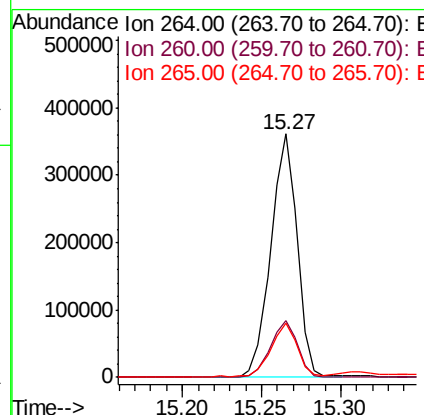
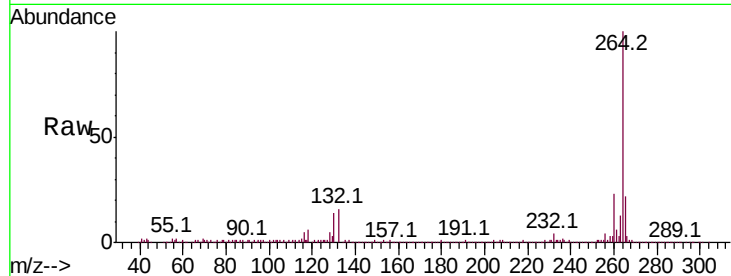
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.3	17.5	26.3

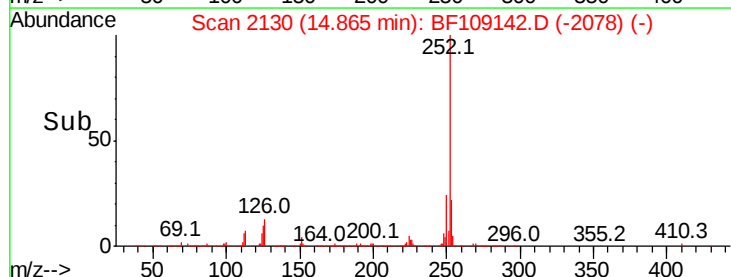
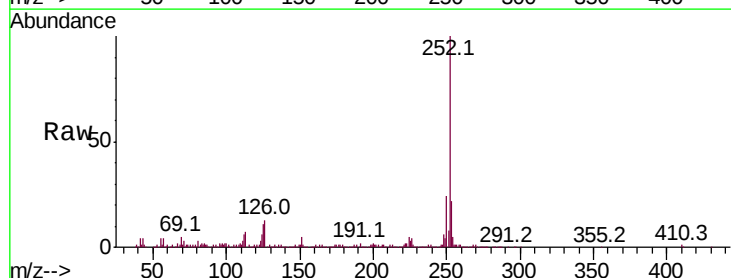
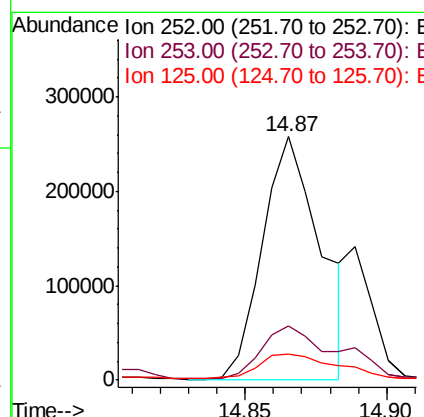
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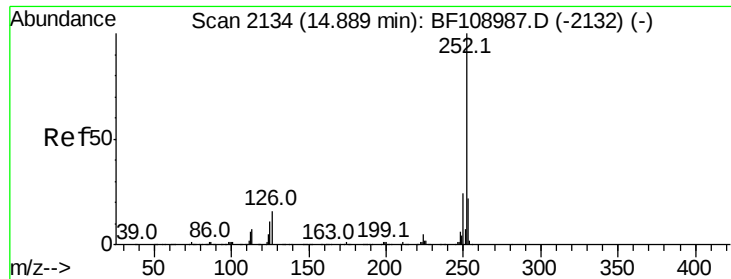
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#87
Benzo(b)fluoranthene
Concen: 15.976 ng m
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	10.7	9.0	13.6





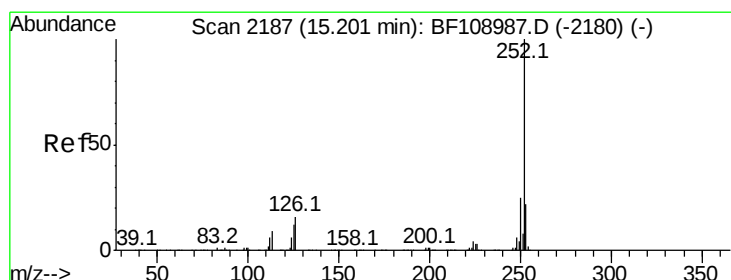
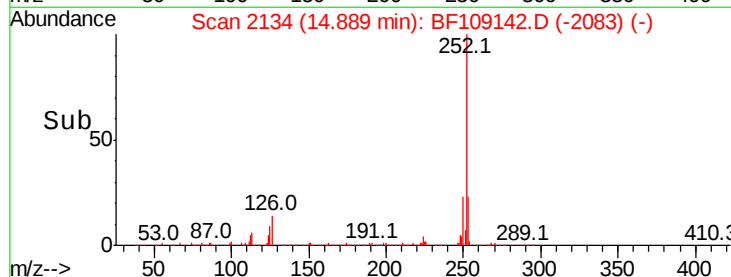
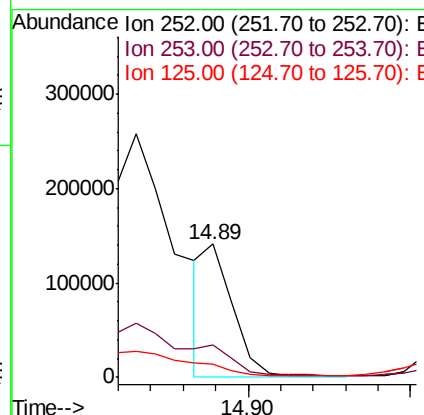
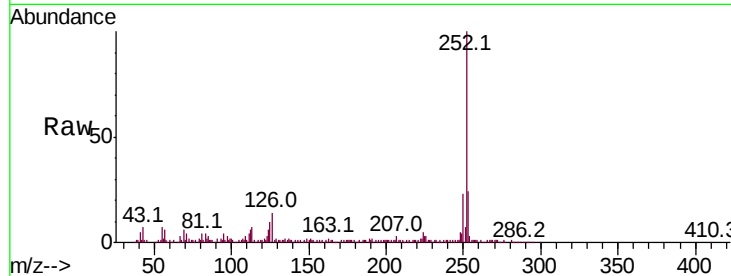
#88
Benzo(k)fluoranthene
Concen: 4.154 ng m
RT: 14.89 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	10.2	10.2	15.2

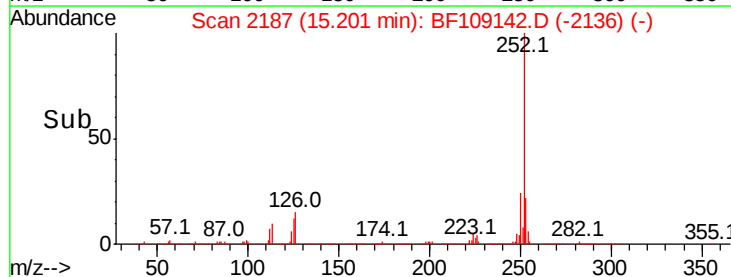
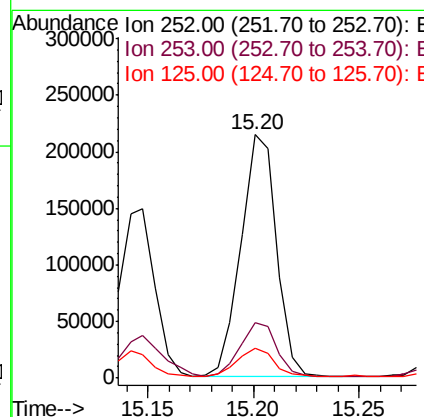
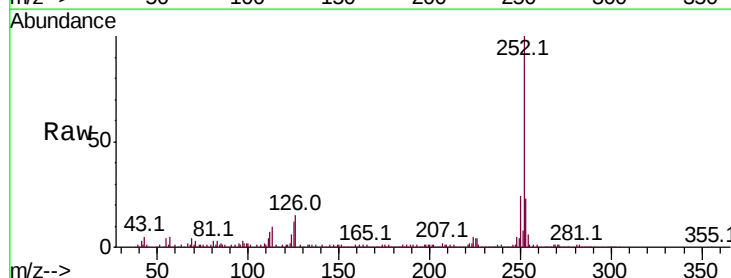
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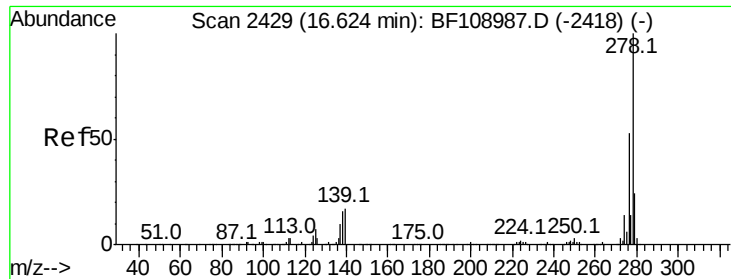
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#89
Benzo(a)pyrene
Concen: 12.173 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	12.1	9.8	14.6





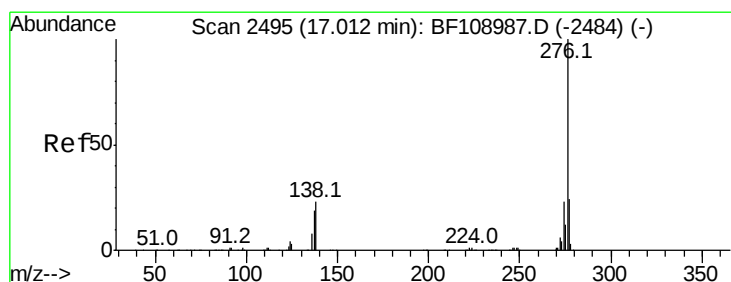
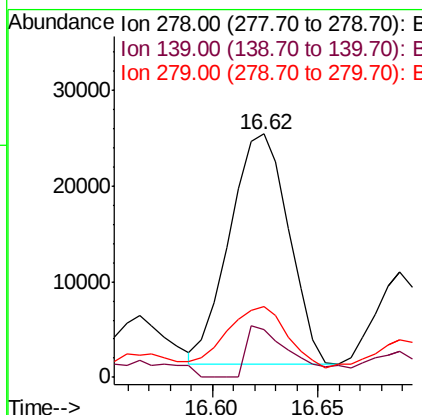
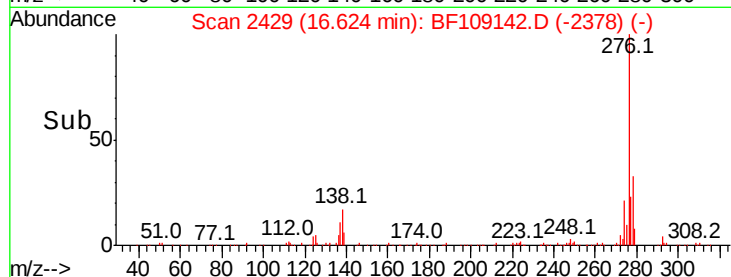
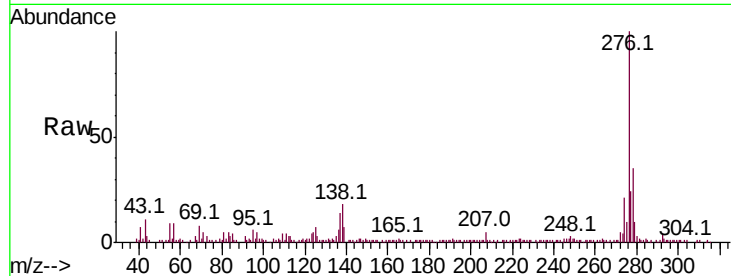
#90
Dibenzo(a,h)anthracene
Concen: 2.719 ng m
RT: 16.62 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Instrument :
BNA_F
ClientSampleId :
SUP-UST-091718-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.9	23.9
279	29.2	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 10.306 ng
RT: 17.02 min Scan# 2496
Delta R.T. 0.01 min
Lab File: BF109142.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	21.5	21.8	32.8

