

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109114.D
 Acq On : 18 Sep 2018 23:38
 Operator : JU/SJ
 Sample : J4967-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 9/19/2018 4:24:03 PM

Quant Time: Sep 19 05:36:20 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	123590	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	436002	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	180034	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	321371	20.00	ng	0.00
75) Chrysene-d12	13.85	240	359503	20.00	ng	0.00
86) Perylene-d12	15.27	264	304892	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	139174	18.70	ng	0.00
7) Phenol-d6	6.35	99	179812	18.74	ng	-0.01
23) Nitrobenzene-d5	7.28	82	106950	13.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	37372	19.13	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	188620	16.41	ng	0.00
78) Terphenyl-d14	12.81	244	182846	12.06	ng	0.00
Target Compounds						
70) Phenanthrene	11.25	178	46567	2.956	ng	98
74) Fluoranthene	12.44	202	102049	6.136	ng	96
77) Pyrene	12.66	202	92854	3.477	ng	98
80) Benzo(a)anthracene	13.85	228	58541	2.690	ng	94
82) Chrysene	13.88	228	52413	2.407	ng	97
87) Benzo(b)fluoranthene	14.86	252	60413m	3.582	ng	
89) Benzo(a)pyrene	15.20	252	40862	2.728	ng	# 94

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

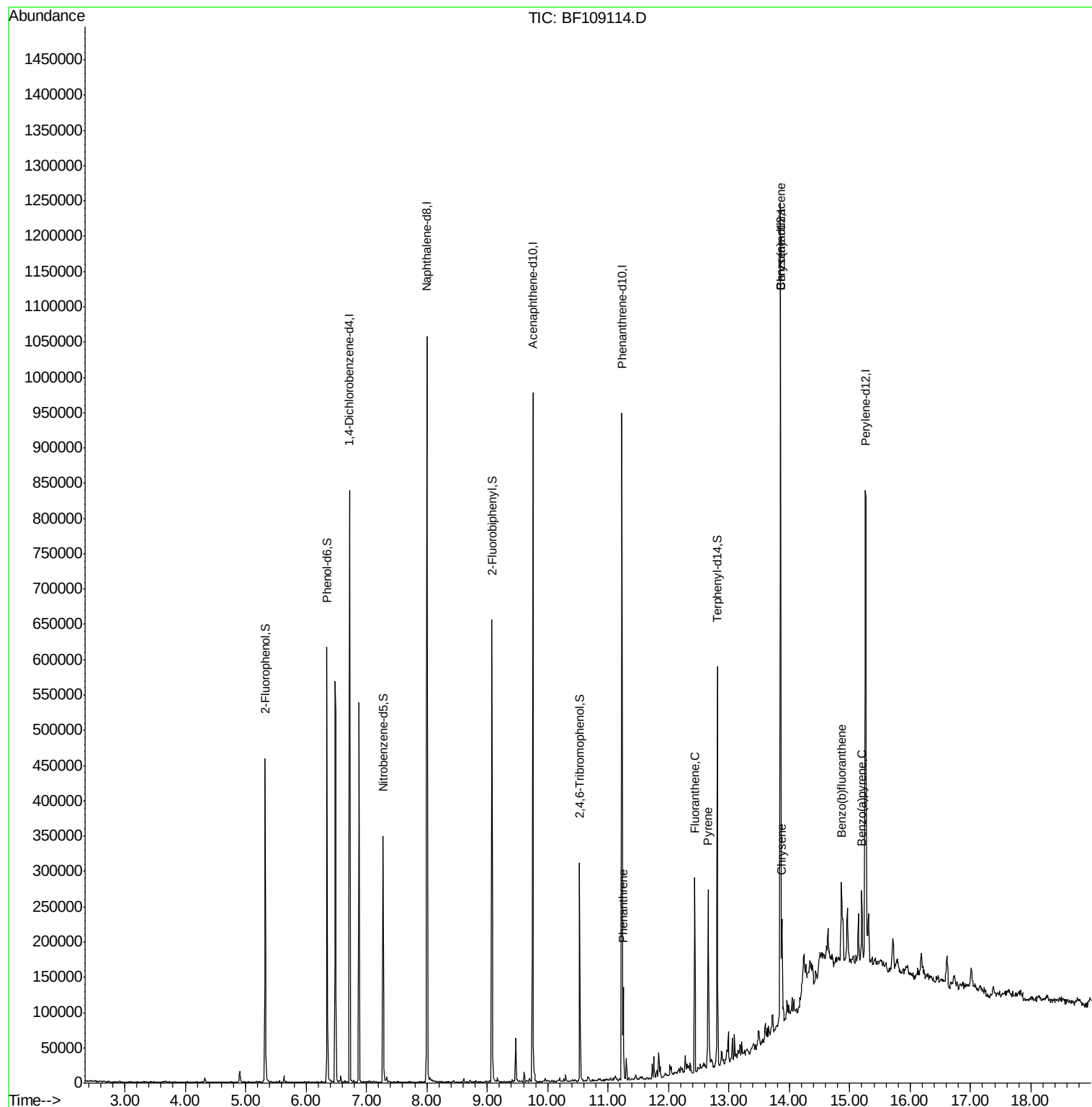
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
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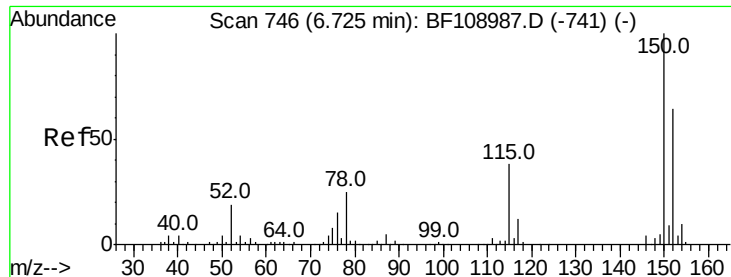
Instrument :
BNA_F
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SUP-UST-091718-01

Manual Integrations
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9/19/2018 4:24:03 PM

Quant Time: Sep 19 05:36:20 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





#1

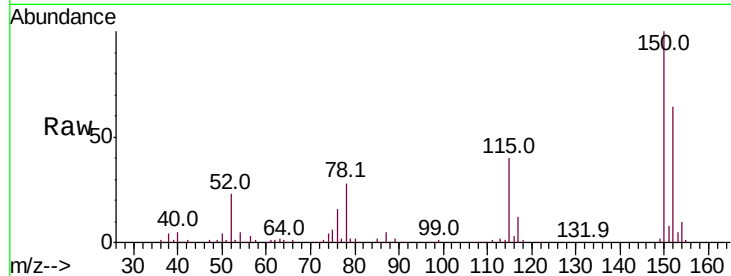
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	63.3	50.1	75.1

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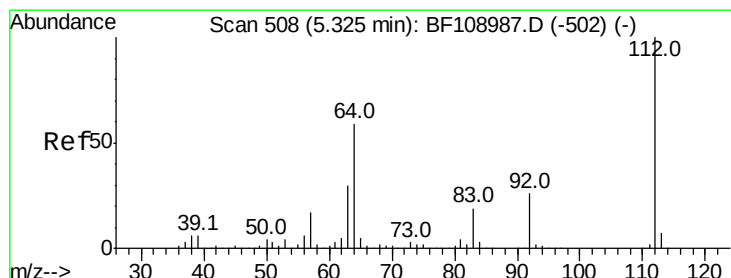
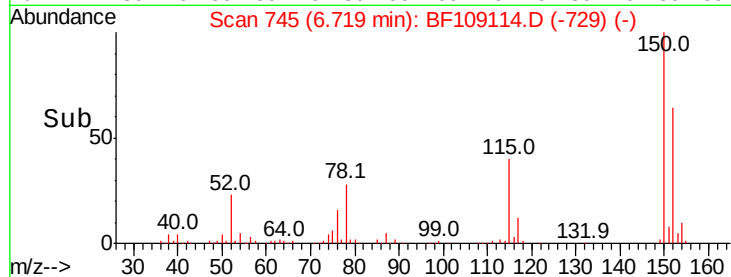
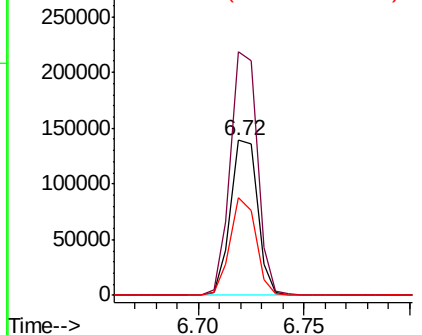


Abundance

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: 18.703 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

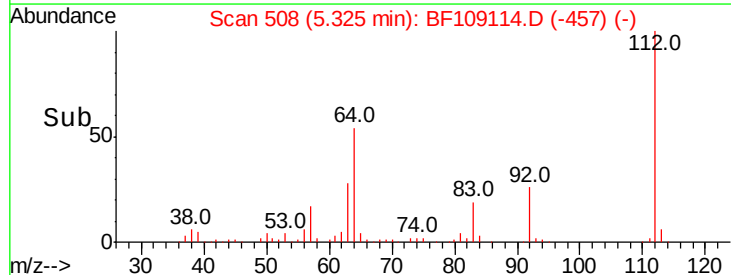
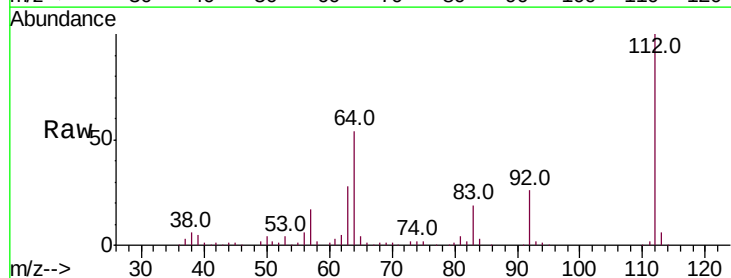
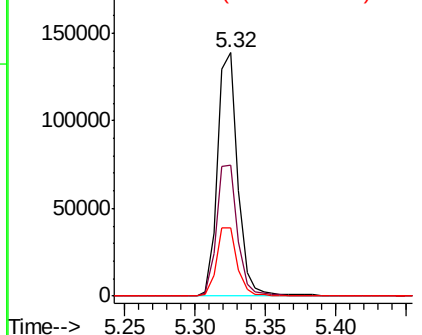
Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	47.9	71.9
63	28.2	23.7	35.5

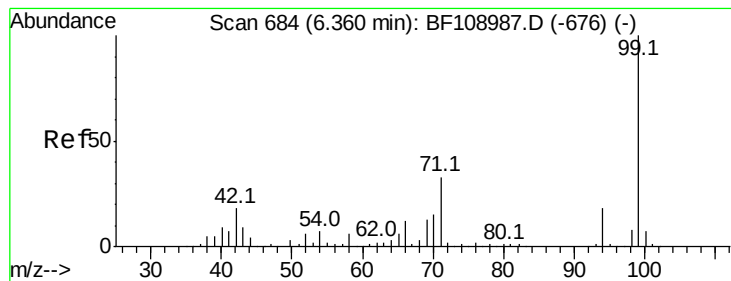
Abundance

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: 18.740 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

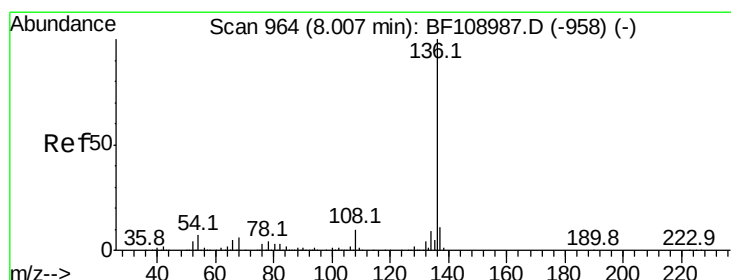
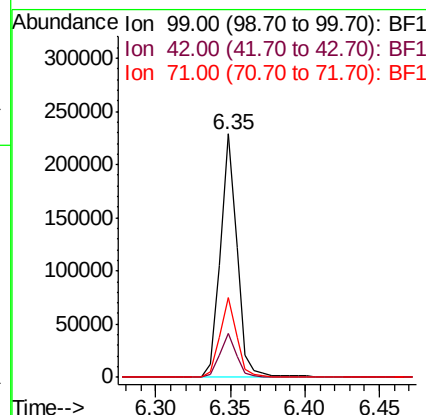
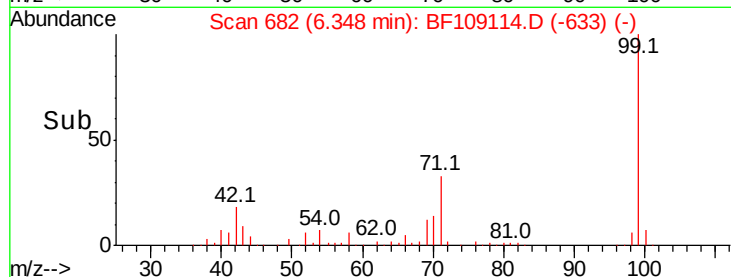
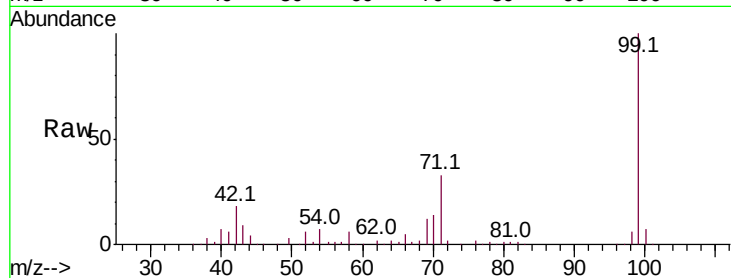
ClientSampleId :

SUP-UST-091718-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		179812		
42	17.9	14.5	21.7		
71	33.0	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

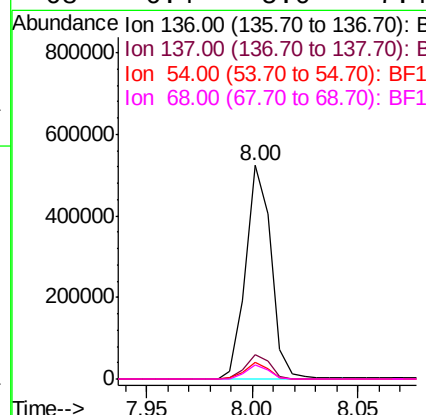
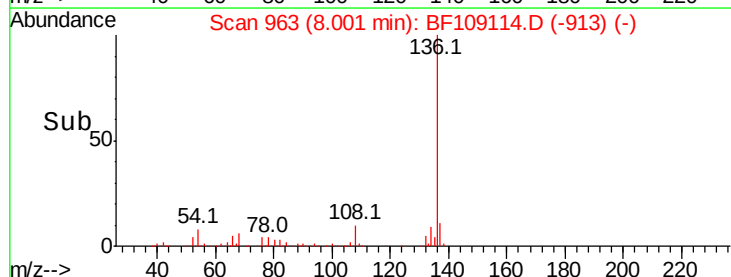
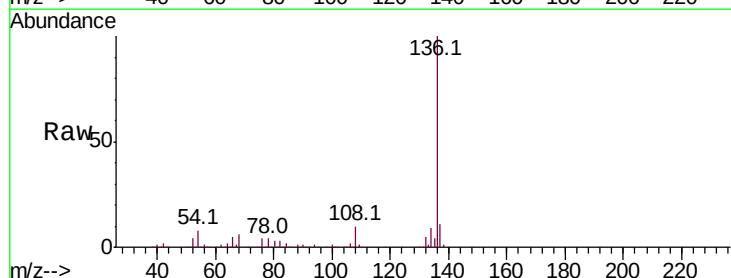
RT: 8.00 min Scan# 963

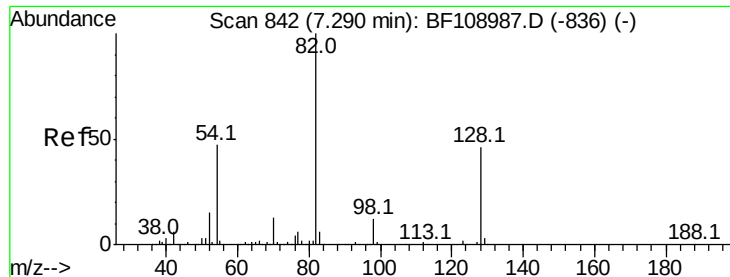
Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		436002		
137	11.2	8.9	13.3		
54	7.6	6.6	9.8		
68	6.4	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 13.758 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

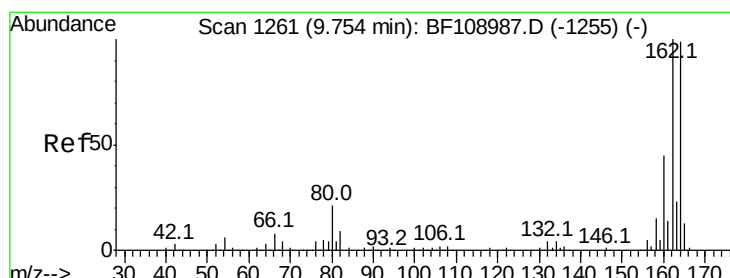
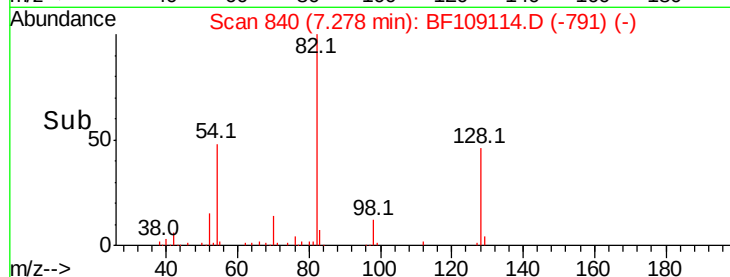
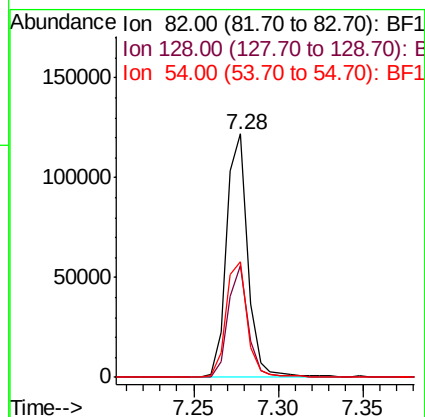
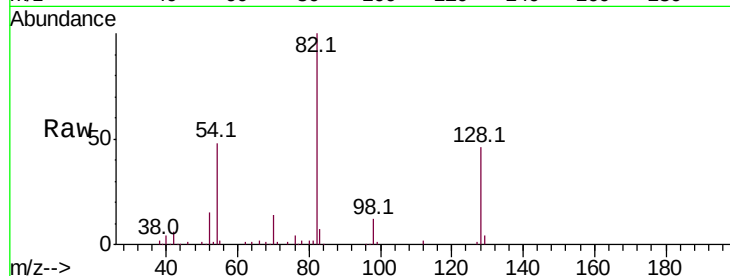
ClientSampleId :

SUP-UST-091718-01

Tot Ion:	82	Resp:	106950
Ion Ratio	Lower	Upper	
82	100		
128	46.0	36.1	54.1
54	47.7	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

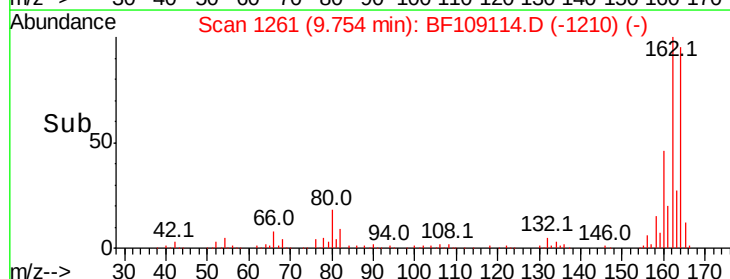
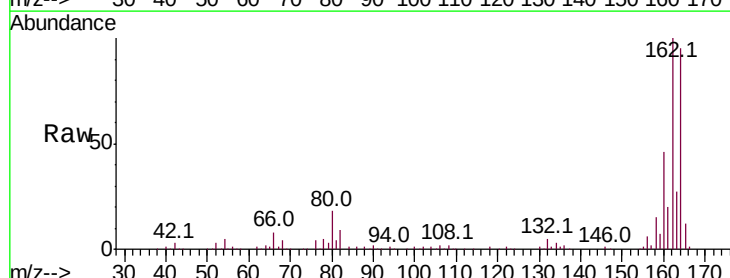
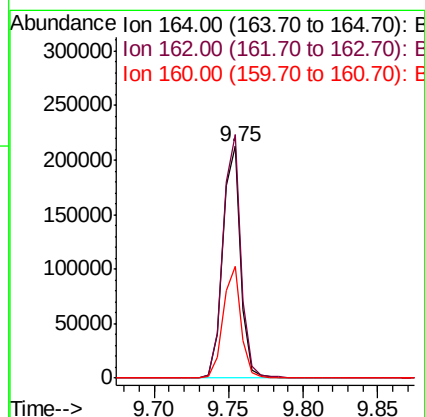
RT: 9.75 min Scan# 1261

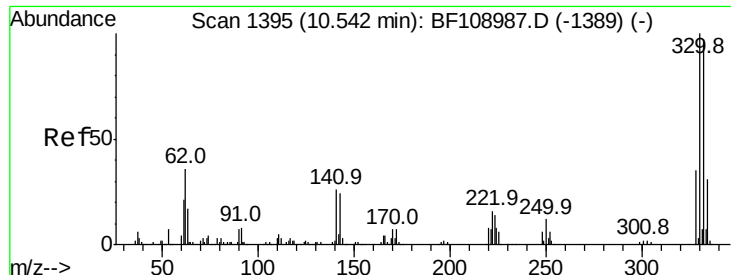
Delta R.T. -0.00 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Tgt Ion:	164	Resp:	180034
Ion Ratio	Lower	Upper	
164	100		
162	105.1	86.1	129.1
160	48.4	38.3	57.5





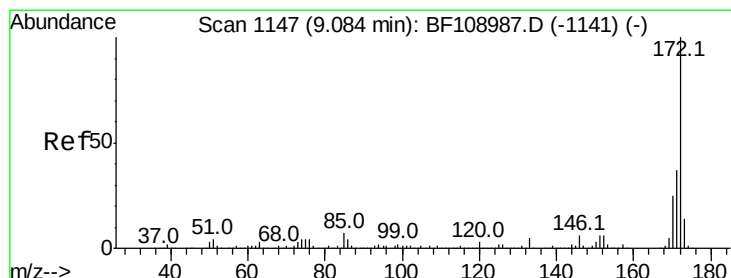
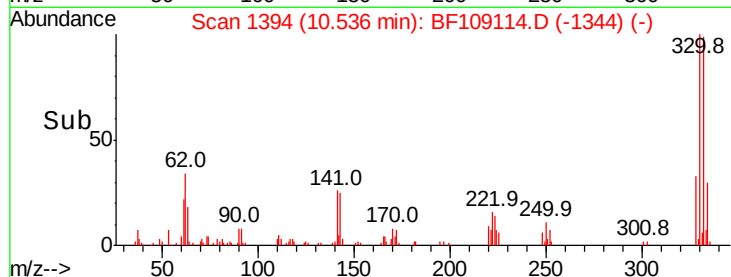
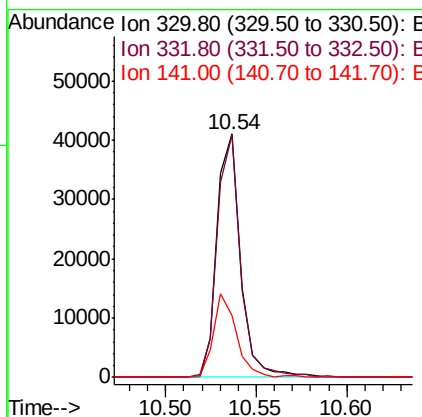
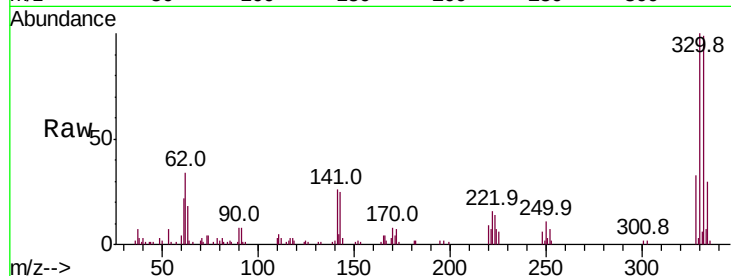
#41
 2,4,6-Tribromophenol
 Concen: 19.127 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109114.D
 Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	32.9	29.9	44.9

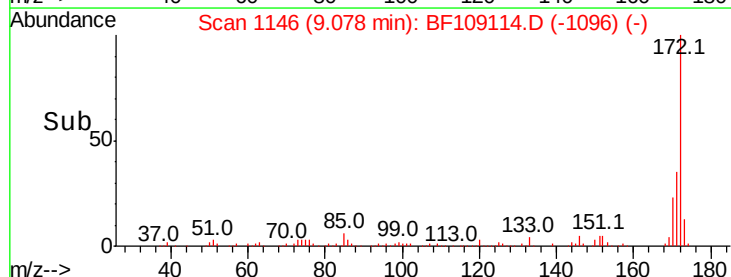
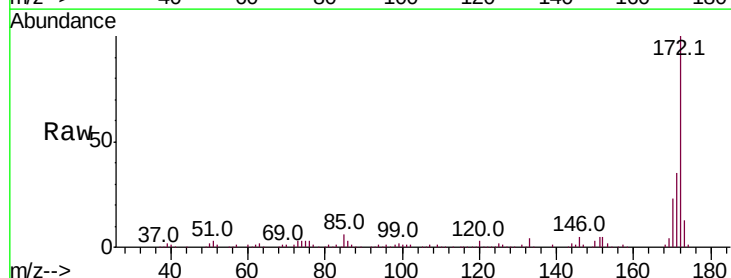
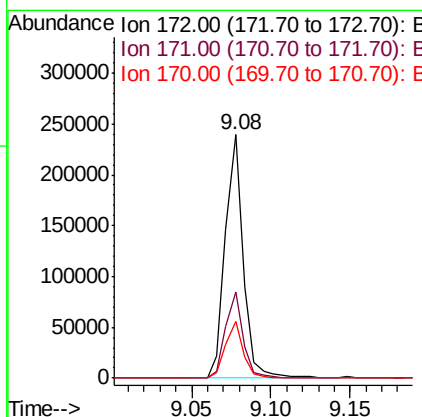
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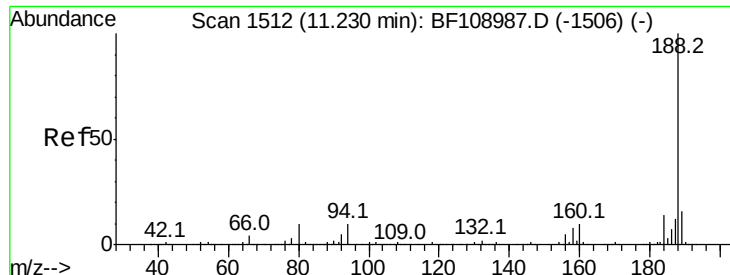
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#44
 2-Fluorobiphenyl
 Concen: 16.414 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109114.D
 Acq: 18 Sep 2018 23:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.1	19.6	29.4





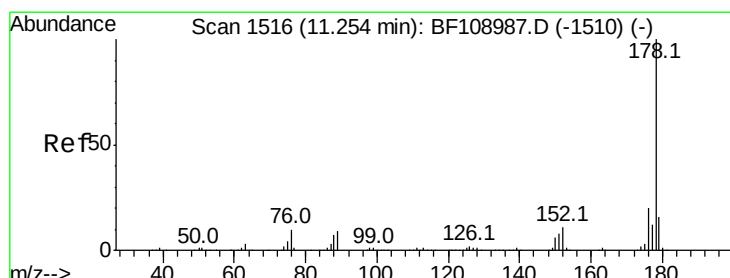
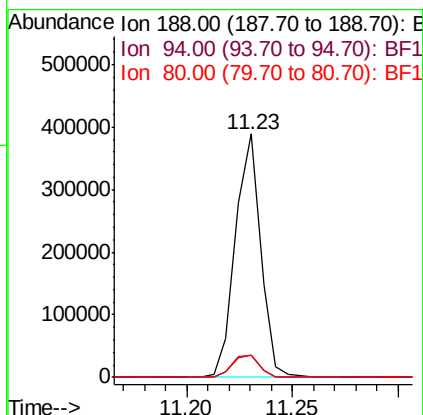
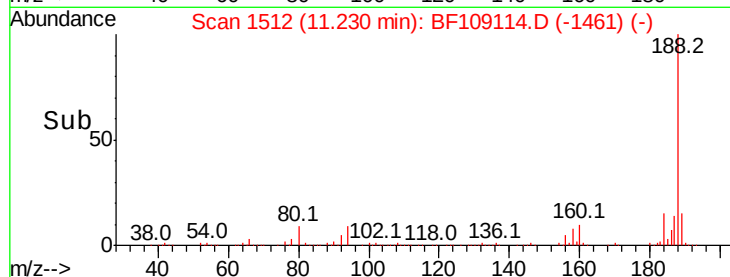
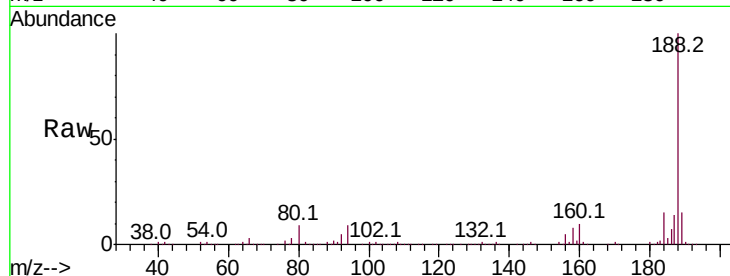
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	321371		
94	9.1		8.5	12.7
80	9.4		9.2	13.8

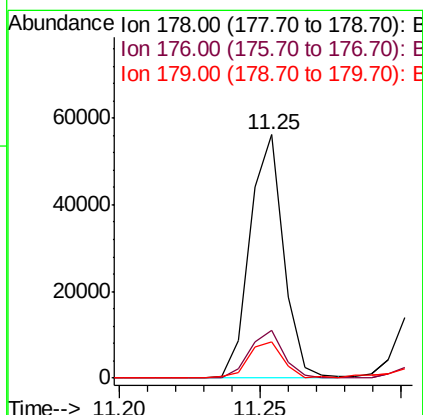
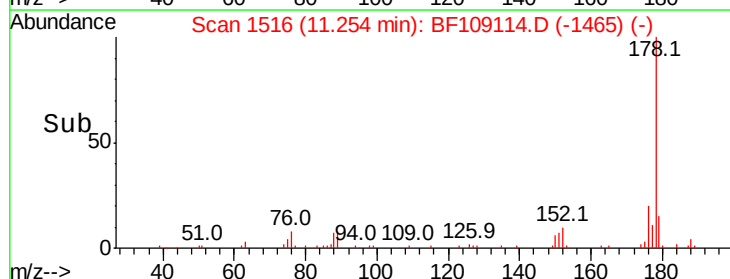
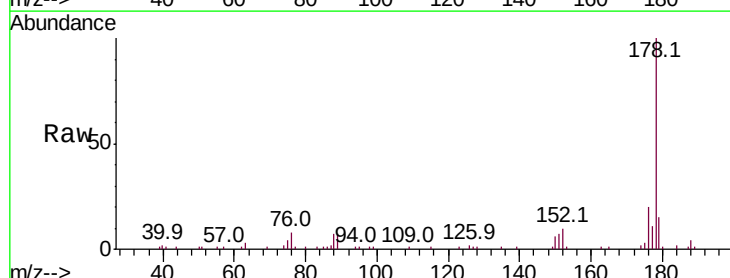
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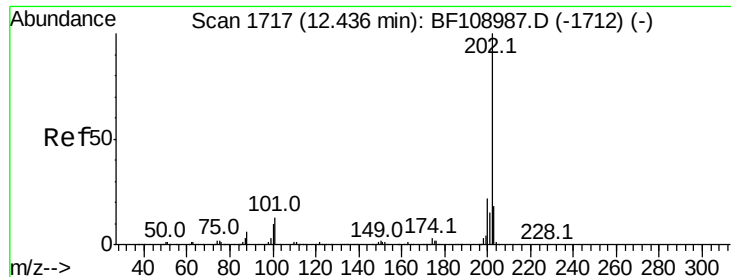
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#70
Phenanthrene
Concen: 2.956 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	46567		
176	19.6		15.8	23.8
179	14.9		13.0	19.6





#74

Fluoranthene

Concen: 6.136 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Instrument :

BNA_F

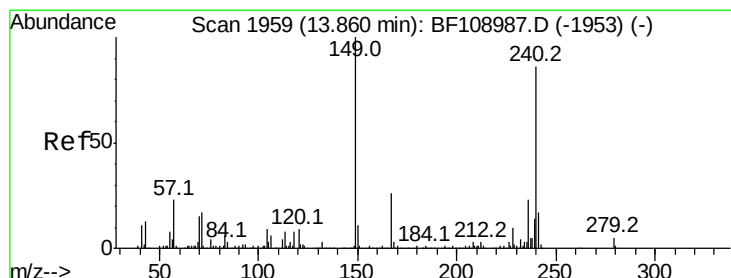
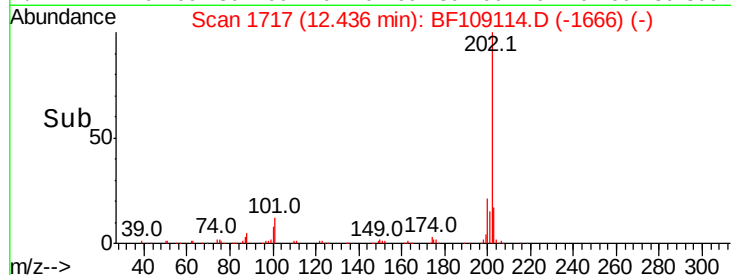
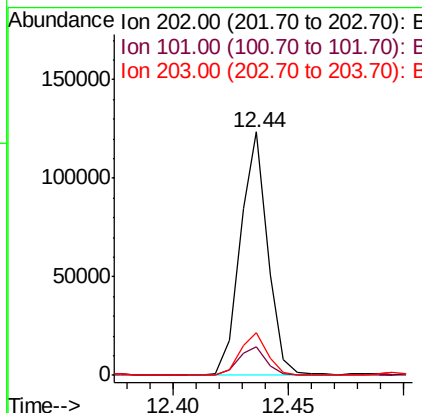
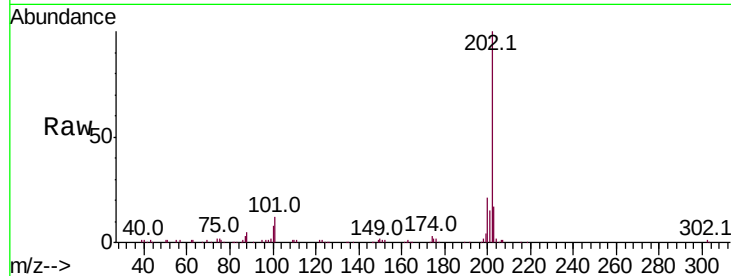
ClientSampleId :

SUP-UST-091718-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

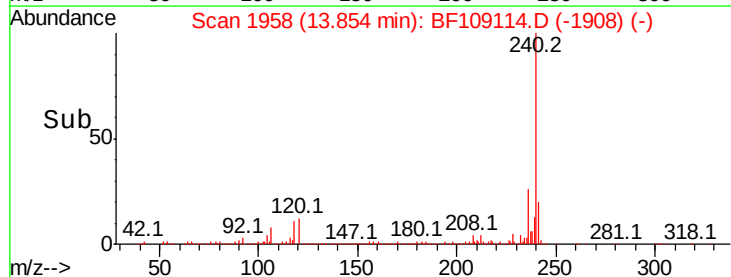
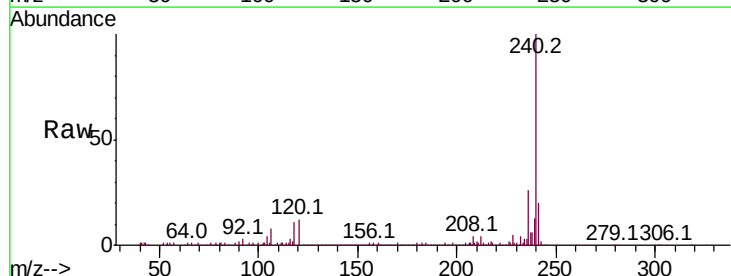
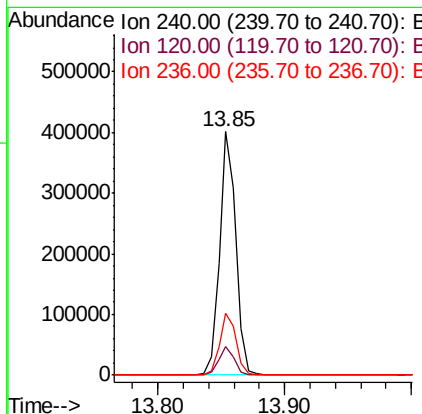
RT: 13.85 min Scan# 1958

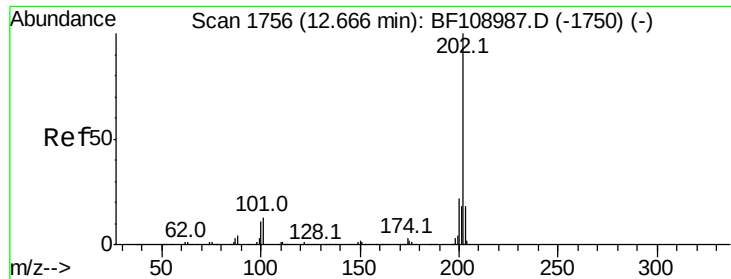
Delta R.T. -0.01 min

Lab File: BF109114.D

Acq: 18 Sep 2018 23:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	9.5	14.3
236	25.6	20.7	31.1





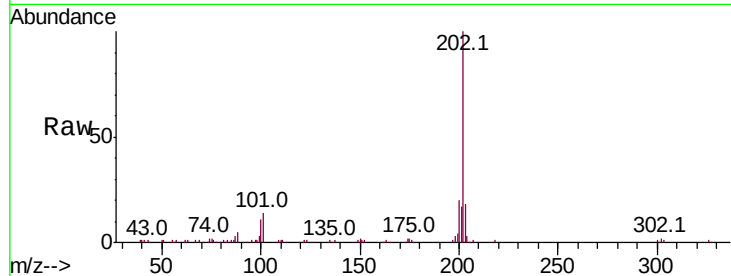
#77
Pvrene
Concen: 3.477 ng
RT: 12.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
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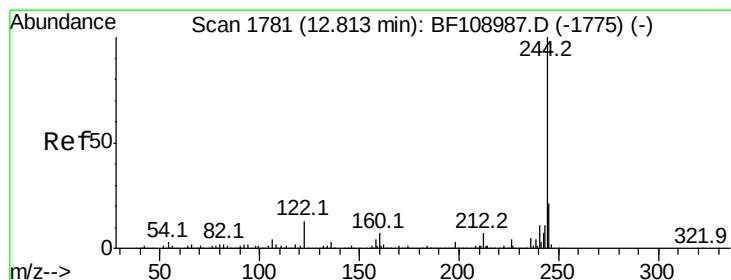
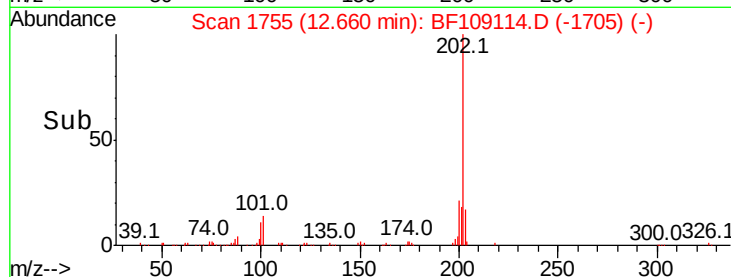
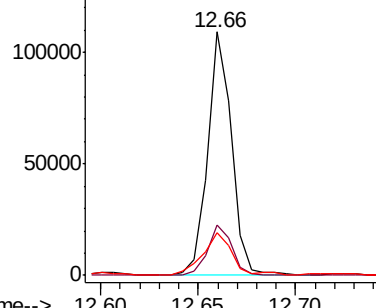


Abundance

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: 12.055 ng
RT: 12.81 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

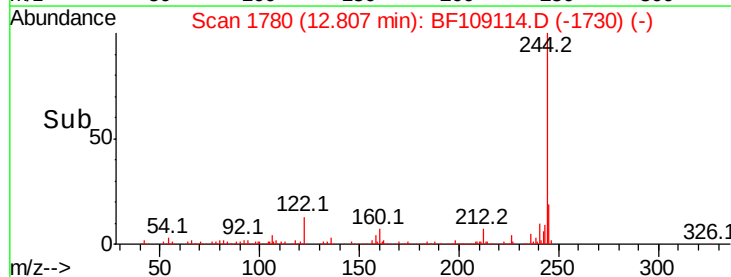
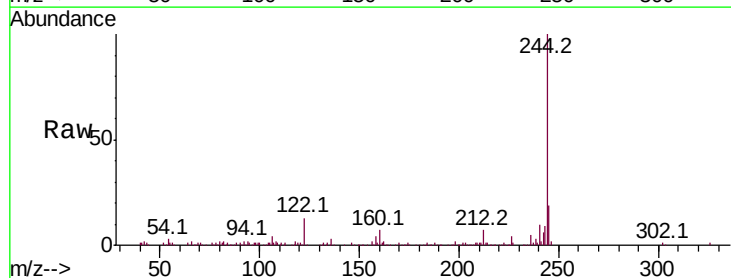
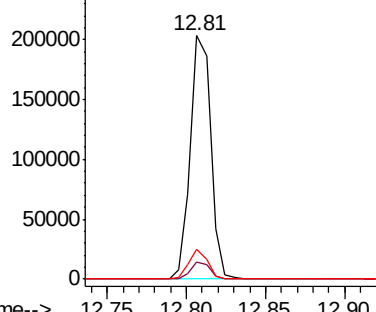
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.5	11.0	16.4

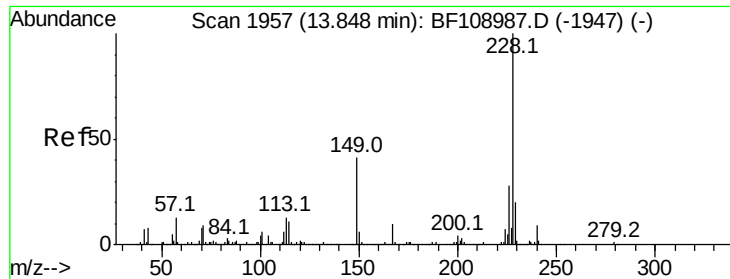
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





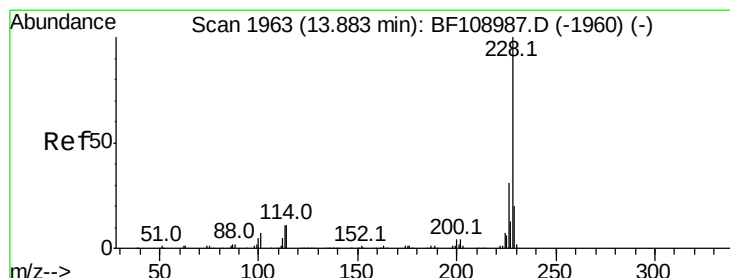
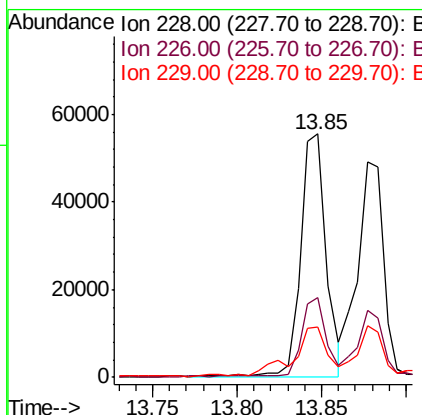
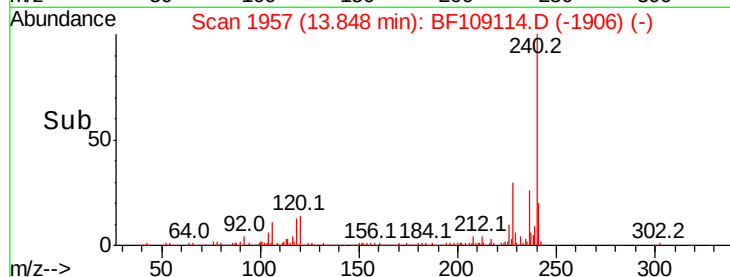
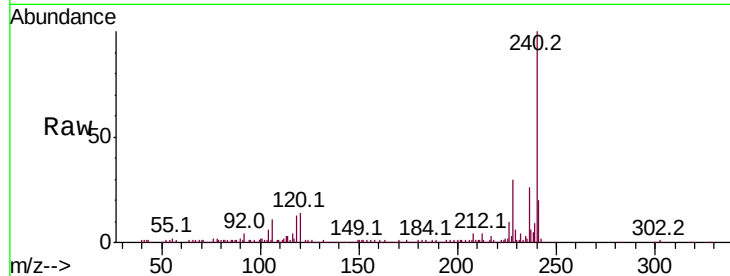
#80
Benzo(a)anthracene
Concen: 2.690 ng
RT: 13.85 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	20.7	15.8	23.6

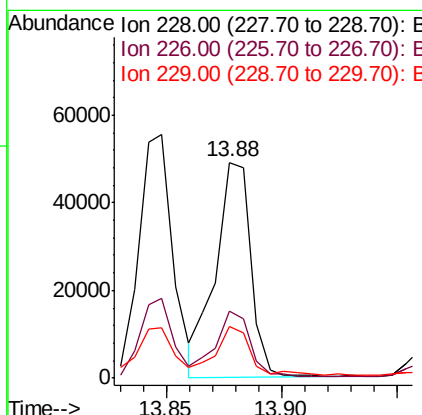
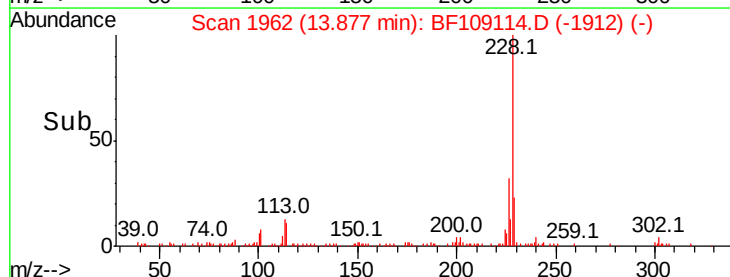
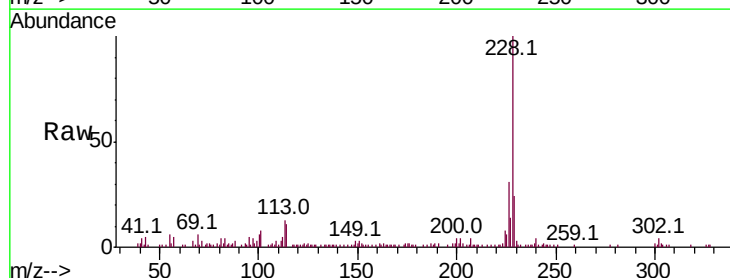
Manual Integrations
APPROVED

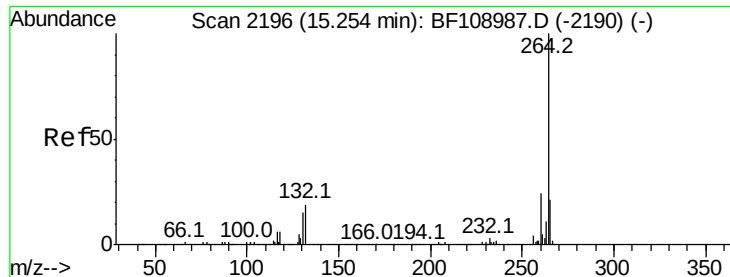
Sohil
9/19/2018 4:24:03 PM



#82
Chrysene
Concen: 2.407 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	24.0	16.2	24.4





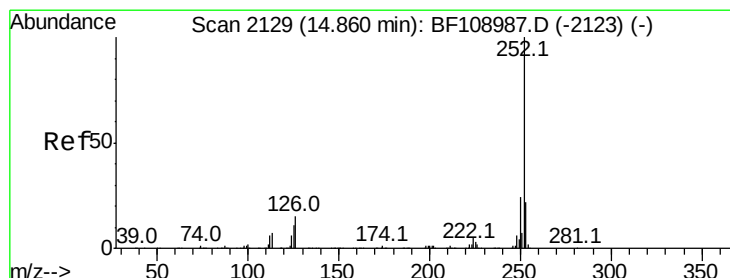
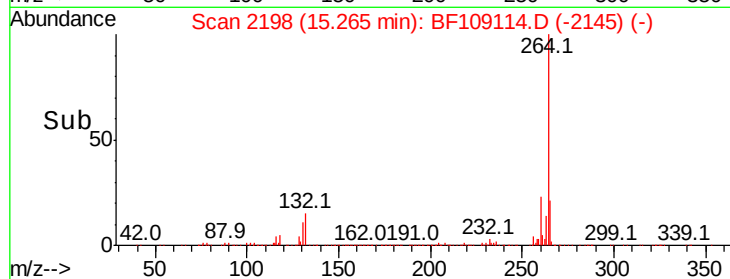
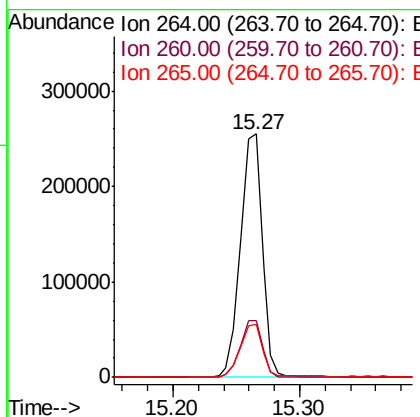
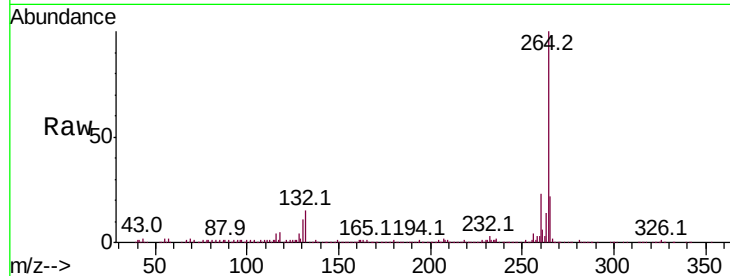
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.5	26.3

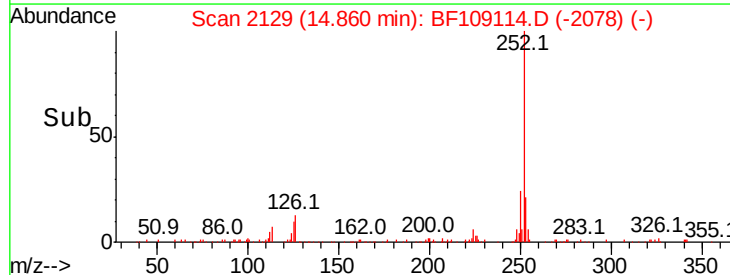
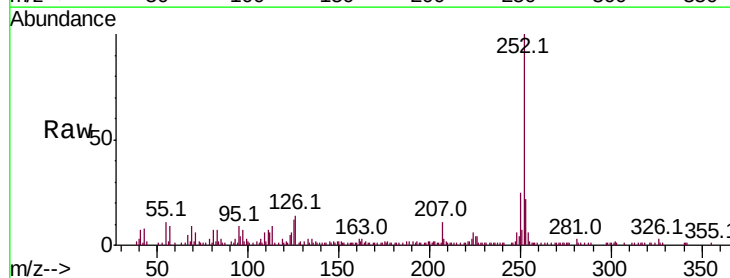
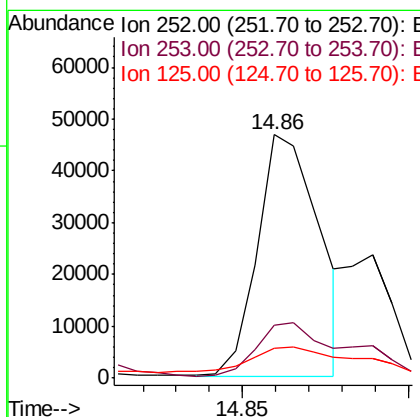
Manual Integrations
APPROVED

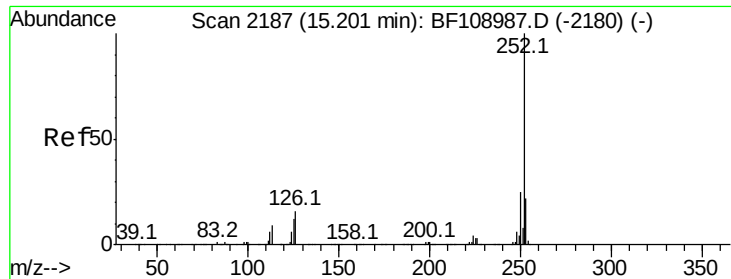
Sohil
9/19/2018 4:24:03 PM



#87
Benzo(b)fluoranthene
Concen: 3.582 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109114.D
Acq: 18 Sep 2018 23:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	12.1	9.0	13.6





#89
 Benzo(a)pyrene
 Concen: 2.728 ng
 RT: 15.20 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: BF109114.D
 Acq: 18 Sep 2018 23:38

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.4	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 9/19/2018 4:24:03 PM

