

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098666.D
 Acq On : 20 Sep 2017 18:04
 Operator : SJ/JU
 Sample : I5285-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-3

Manual Integrations
 APPROVED

Sohil
 9/22/2017 3:31:41 PM

Quant Time: Sep 21 08:18:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	93673	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	371724	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	157196	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	227606	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	181679	20.00	ng	-0.01
86) Perylene-d12	15.17	264	190373	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	581698	91.81	ng	-0.01
7) Phenol-d6	6.27	99	738839	91.85	ng	-0.02
23) Nitrobenzene-d5	7.19	82	494064	74.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	103404	98.56	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	724417	78.11	ng	-0.02
78) Terphenyl-d14	12.72	244	422960	50.25	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.38	163	118038	9.700	ng	Qvalue # 97
70) Phenanthrene	11.16	178	244457	20.260	ng	97
71) Anthracene	11.21	178	56011	4.521	ng	95
74) Fluoranthene	12.35	202	391290	32.394	ng	97
77) Pyrene	12.57	202	392778	27.406	ng	99
80) Benzo(a)anthracene	13.76	228	224339	21.062	ng	99
82) Chrysene	13.80	228	185289	17.209	ng	96
85) Indeno(1,2,3-cd)pyrene	16.50	276	113255	14.993	ng	# 86
87) Benzo(b)fluoranthene	14.78	252	291431m	24.347	ng	
88) Benzo(k)fluoranthene	14.80	252	76312m	6.829	ng	
89) Benzo(a)pyrene	15.12	252	237047m	22.228	ng	
90) Dibenzo(a,h)anthracene	16.50	278	29167m	3.760	ng	
91) Benzo(a,h,i)perylene	16.90	276	119823	15.357	ng	# 89

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

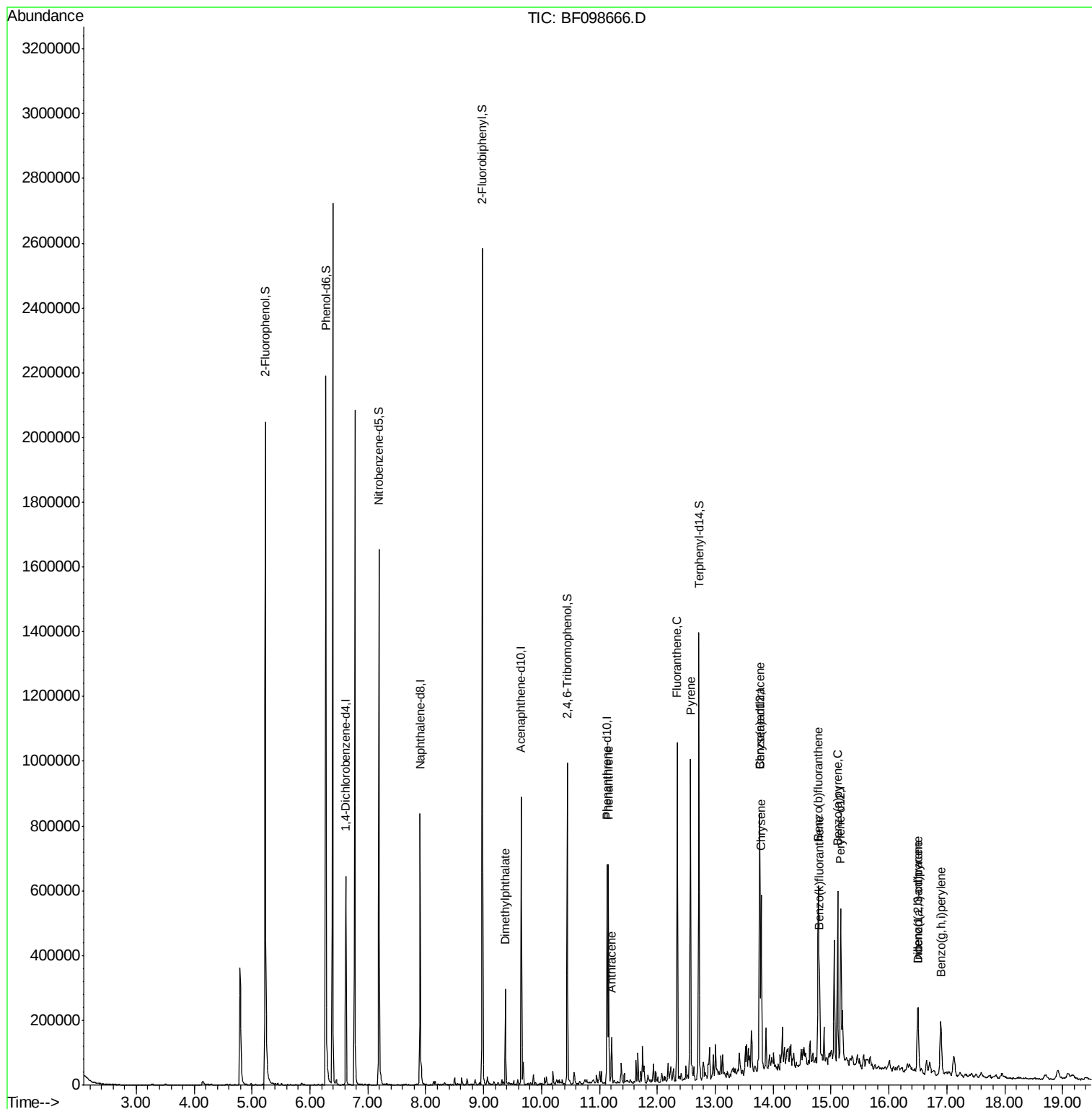
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
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Sample : I5285-03
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ALS Vial : 14 Sample Multiplier: 1

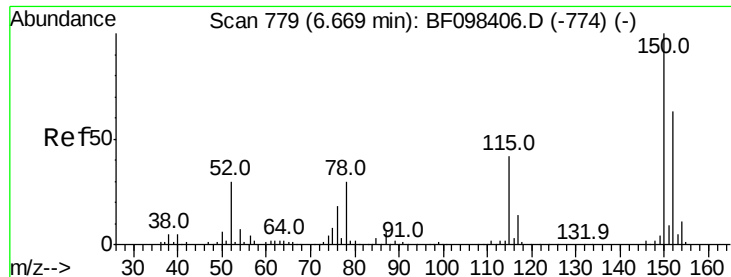
Instrument :
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#1

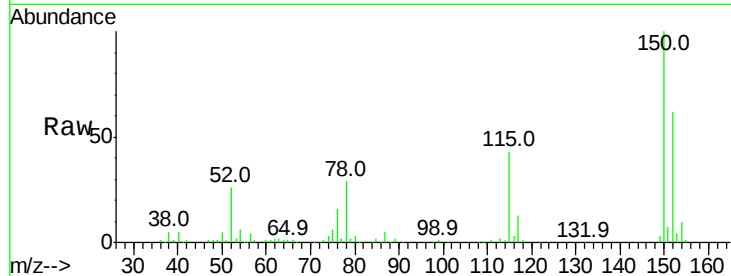
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampled :
CSTP-3

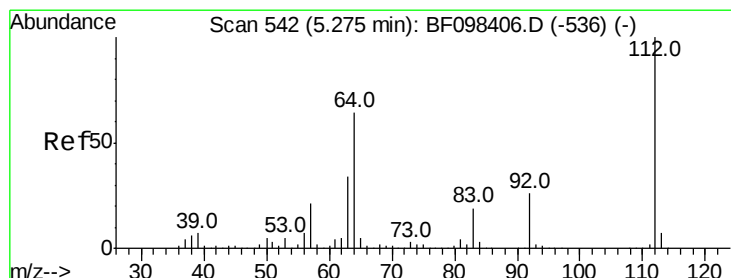
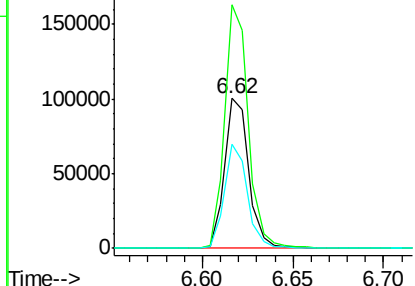
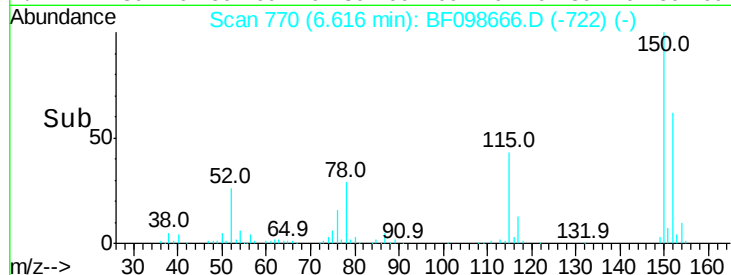
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.2	189.2
115	69.2	52.2	78.2

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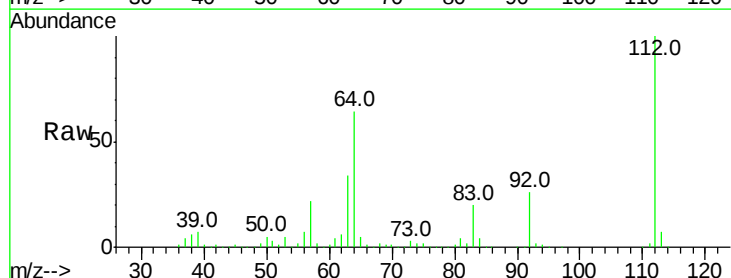
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



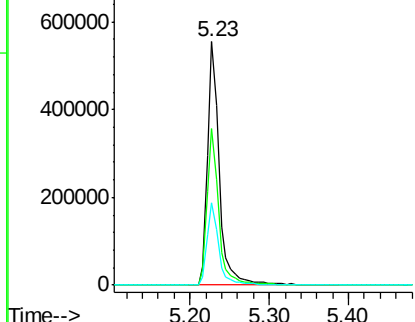
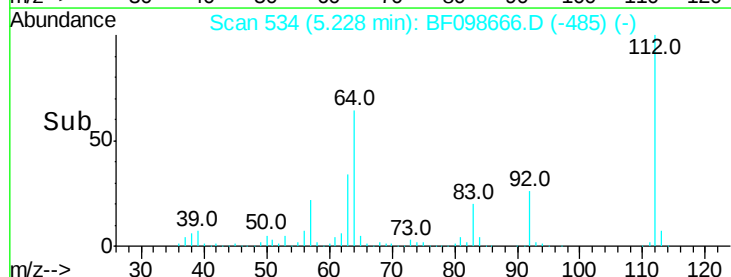
#5

2-Fluorophenol
Concen: 91.815 ng
RT: 5.23 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	46.0	69.0
63	33.9	23.4	35.0



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





#7

Phenol-d6

Concen: 91.849 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

ClientSampleId :

CSTP-3

Tot Ion: 99 Resp: 738839

Ion Ratio Lower Upper

99 100

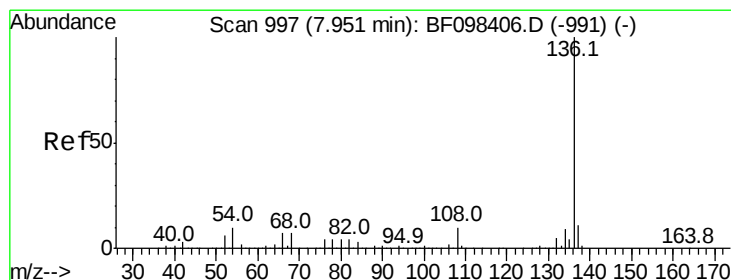
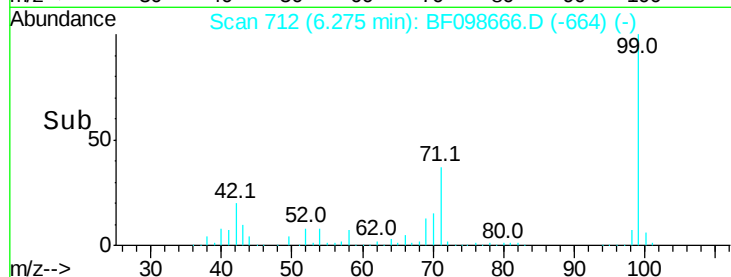
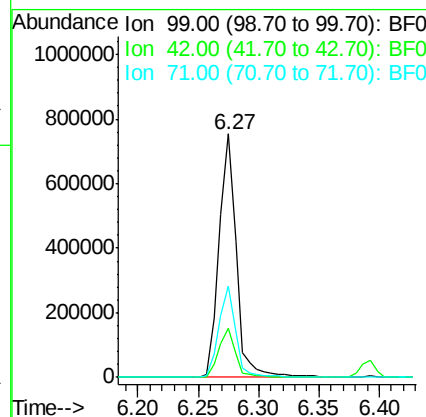
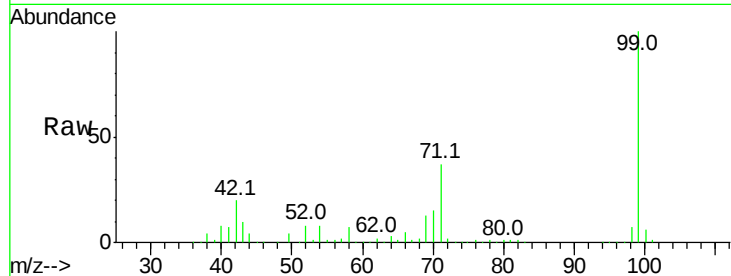
42 20.3 13.5 20.3#

71 37.3 24.5 36.7#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Tgt Ion: 136 Resp: 371724

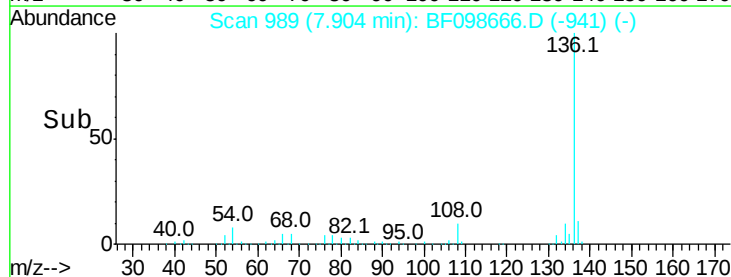
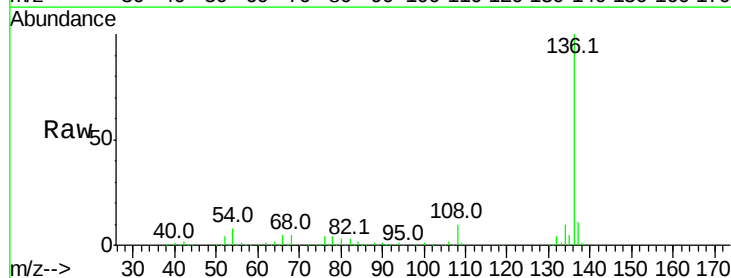
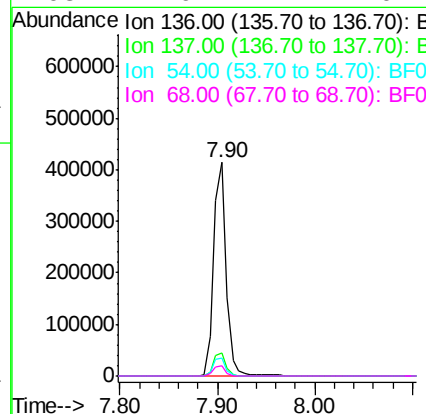
Ion Ratio Lower Upper

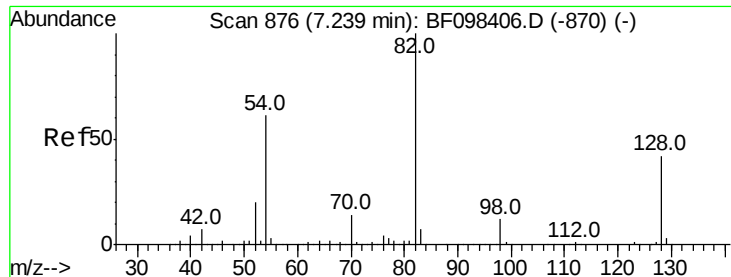
136 100

137 11.1 8.5 12.7

54 8.1 4.9 7.3#

68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 74.098 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

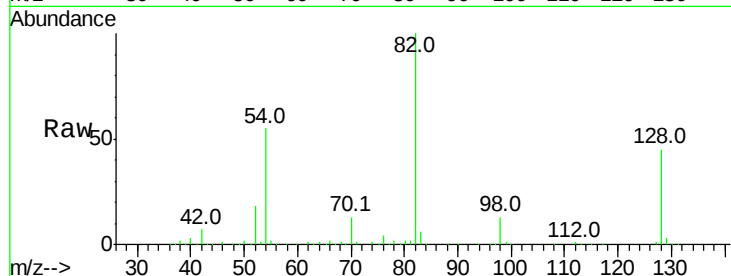
ClientSampled :

CSTP-3

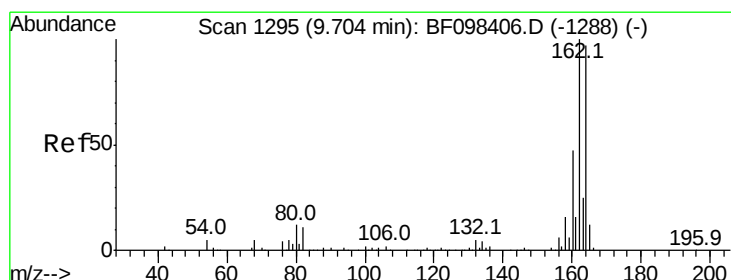
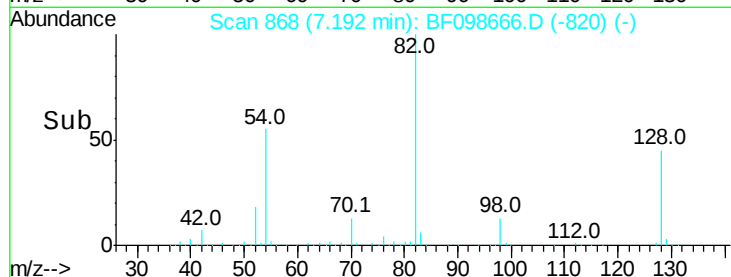
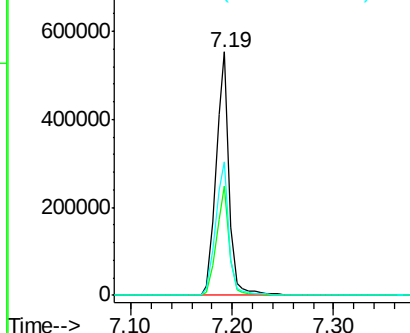
Tot Ion:	82	Resp:	494064
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.0	51.0
54	54.9	42.2	63.2

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

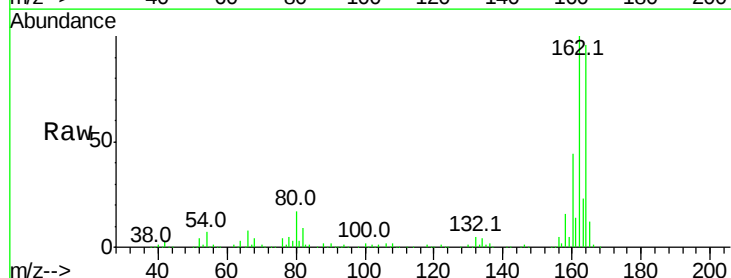
RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

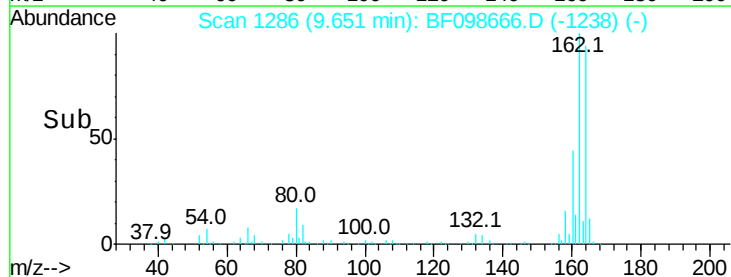
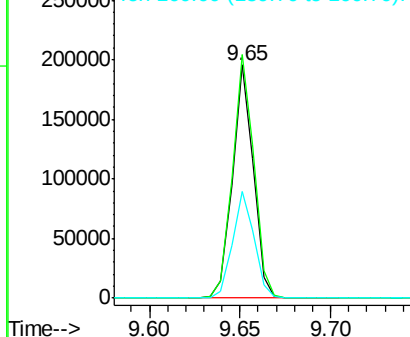
Lab File: BF098666.D

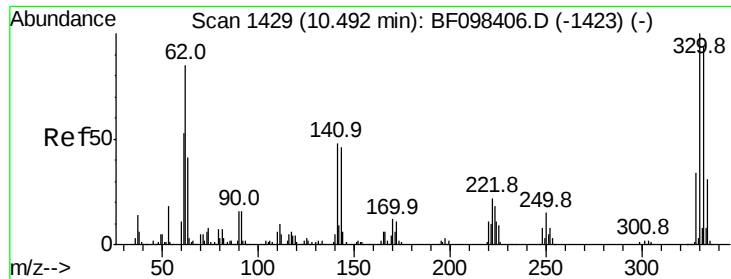
Acq: 20 Sep 2017 18:04

Tgt Ion:	164	Resp:	157196
Ion Ratio	Lower	Upper	
164	100		
162	104.4	82.6	123.8
160	45.9	36.2	54.2



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





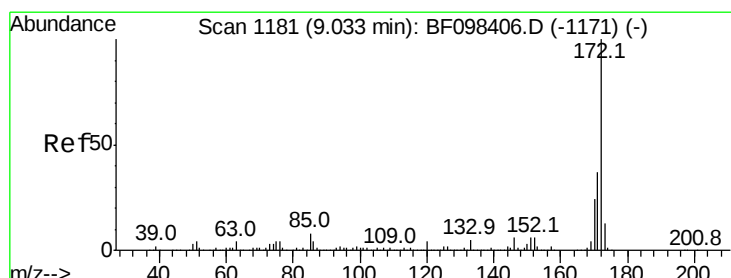
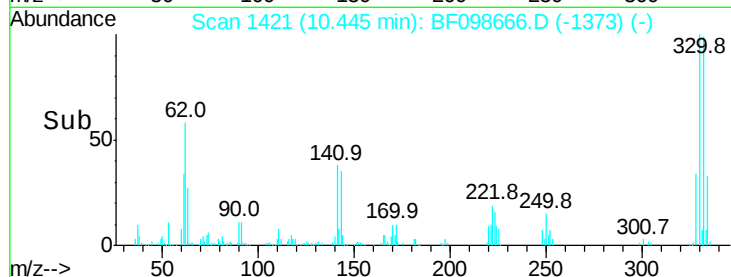
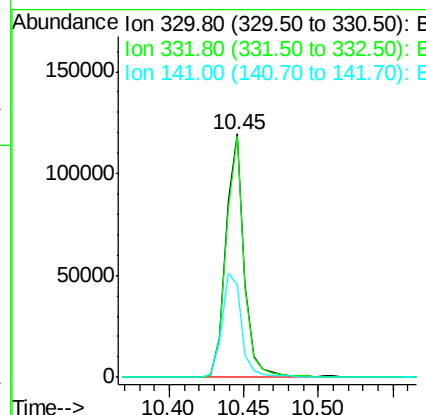
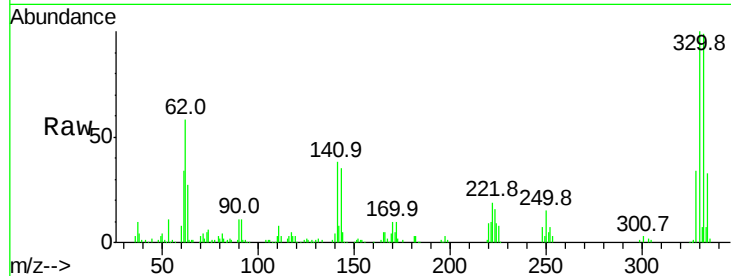
#41
 2,4,6-Tribromophenol
 Concen: 98.559 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampled :
 CSTP-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	103404		
332	97.4	76.6	115.0	
141	45.9	31.4	47.2	

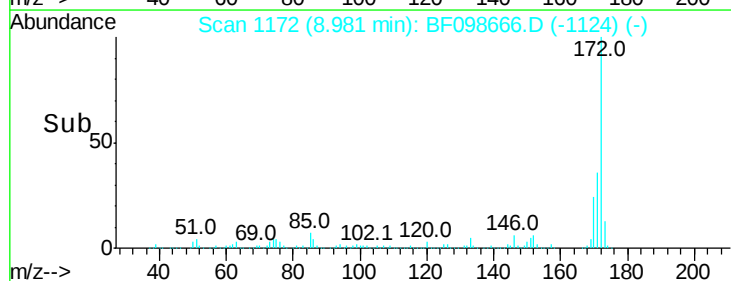
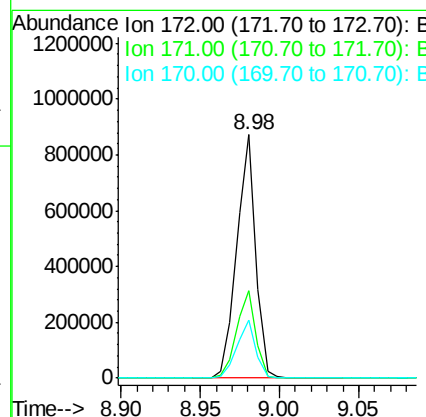
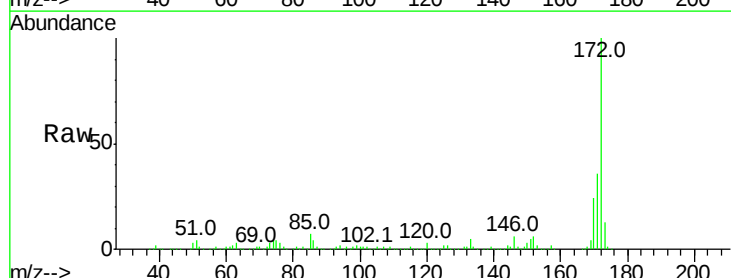
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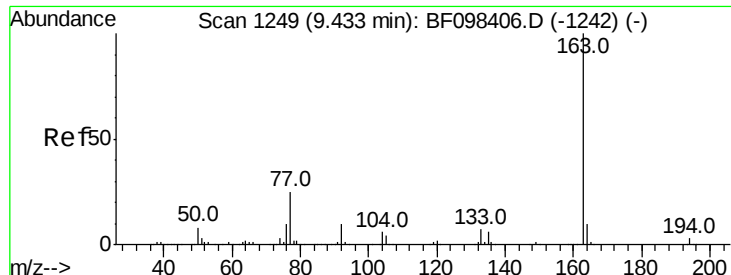
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#44
 2-Fluorobiphenyl
 Concen: 78.108 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	724417		
171	36.0	29.6	44.4	
170	23.6	19.8	29.8	





#49

Dimethylphthalate

Concen: 9.700 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

ClientSampled :

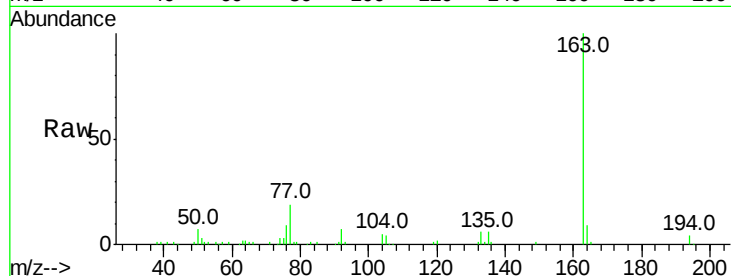
CSTP-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	2.6	4.0#	
164	9.1	8.4	12.6	

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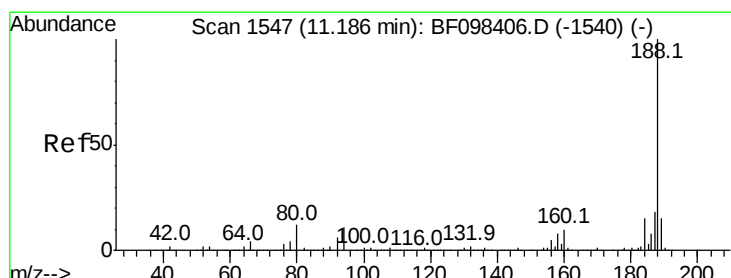
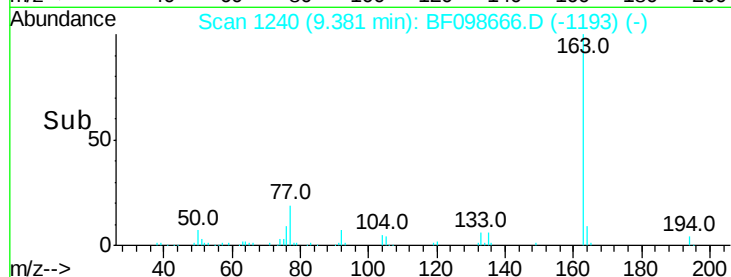
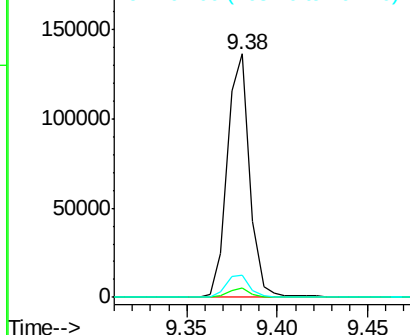
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Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.13 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BF098666.D

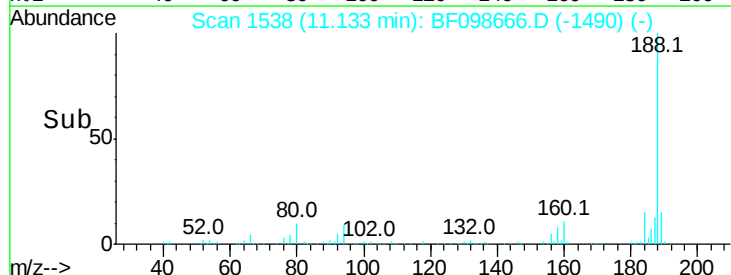
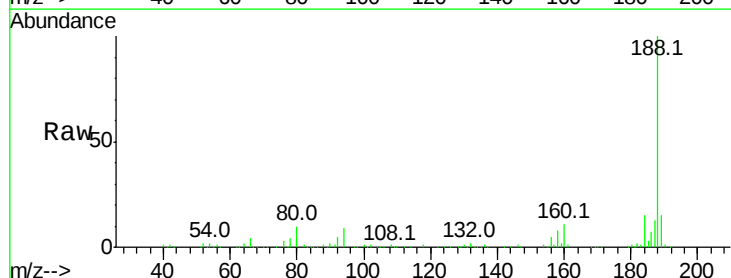
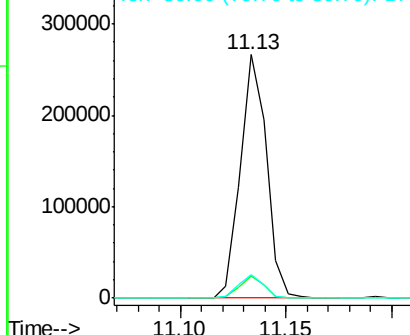
Acq: 20 Sep 2017 18:04

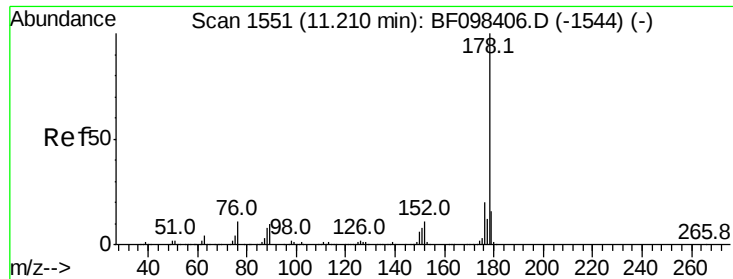
Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.9	9.4	14.2#	
80	9.8	10.2	15.2#	

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





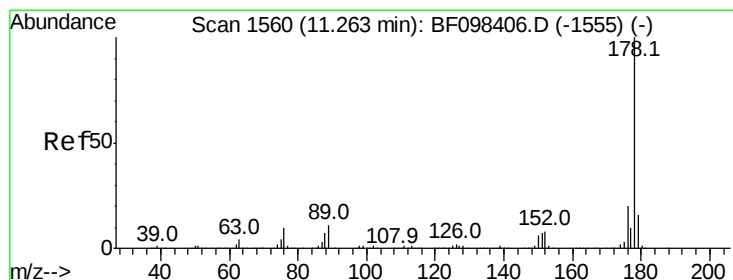
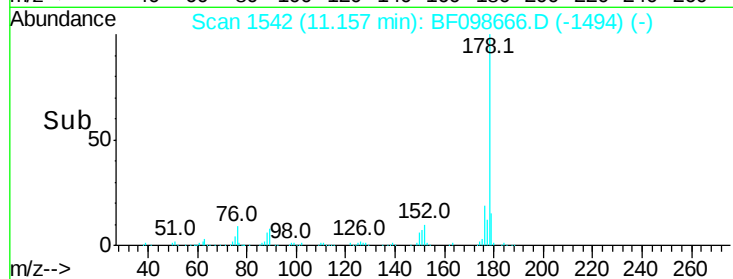
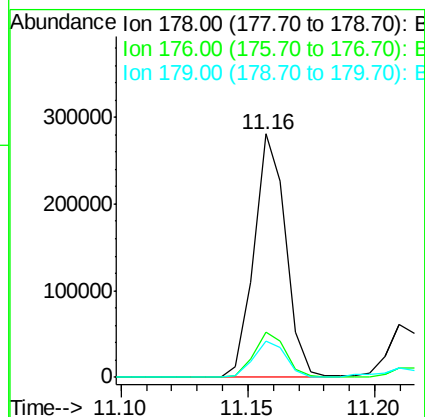
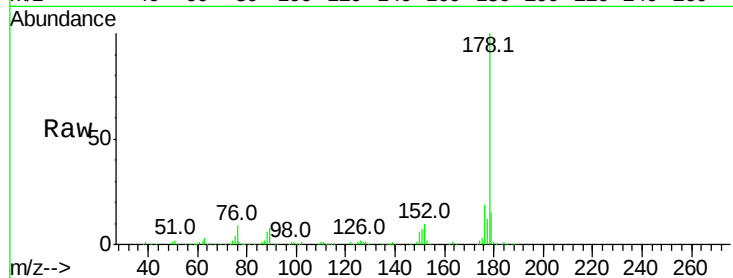
#70
Phenanthrene
Concen: 20.260 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampled :
CSTP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	14.9	12.6	19.0

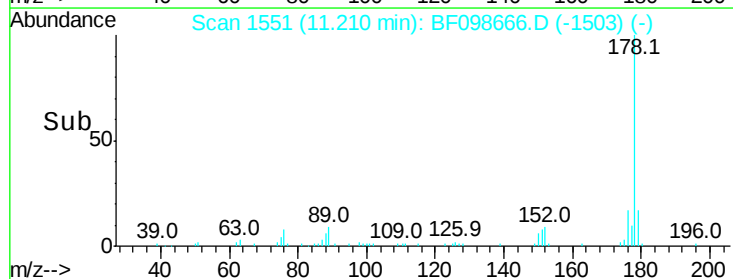
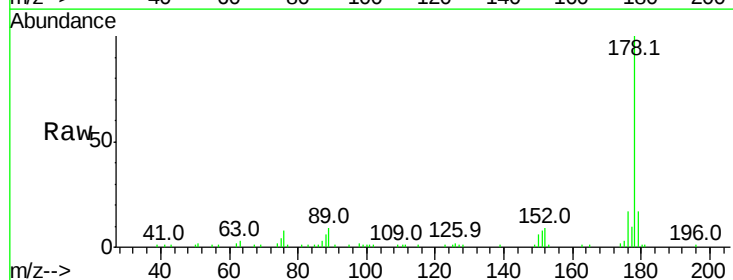
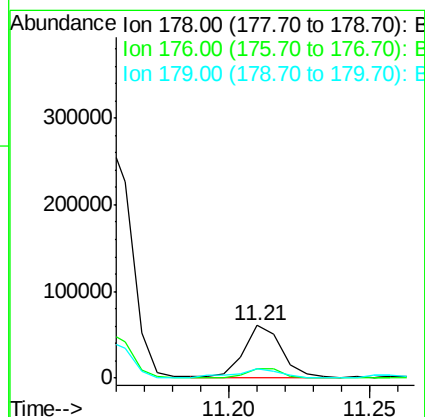
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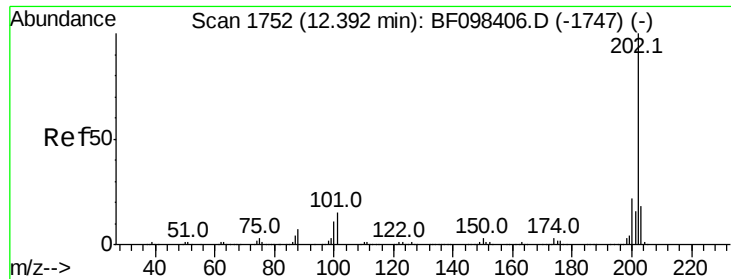
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#71
Anthracene
Concen: 4.521 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.8	23.8
179	17.4	12.7	19.1





#74

Fluoranthene

Concen: 32.394 ng

RT: 12.35 min Scan# 1744

Delta R.T. -0.02 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

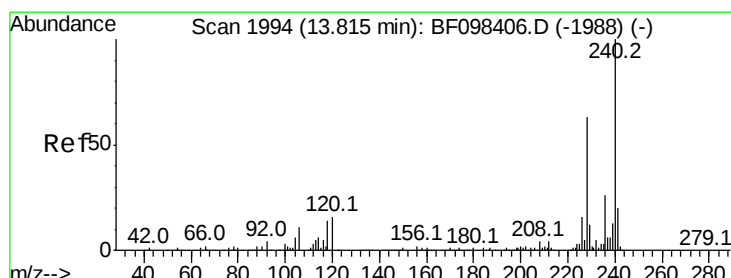
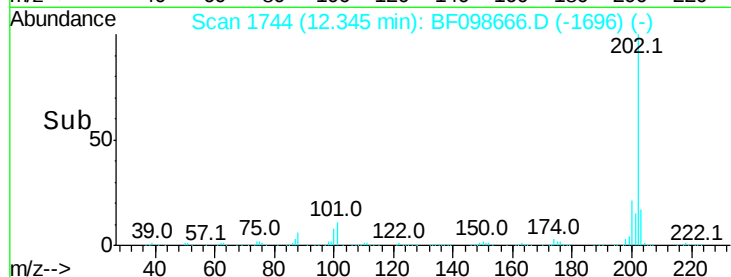
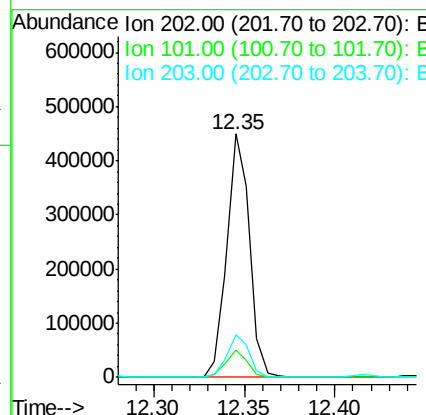
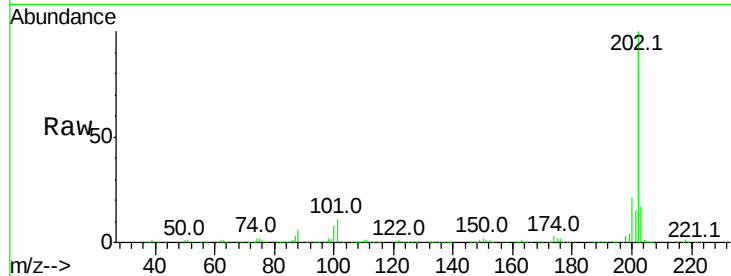
ClientSampleId :

CSTP-3

Tot Ion	Ratio	Resp	Lower	Upper
202	100	391290		
101	11.4	0.0	33.2	
203	17.3	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

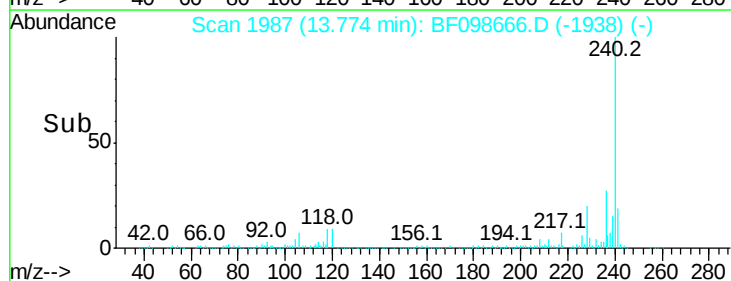
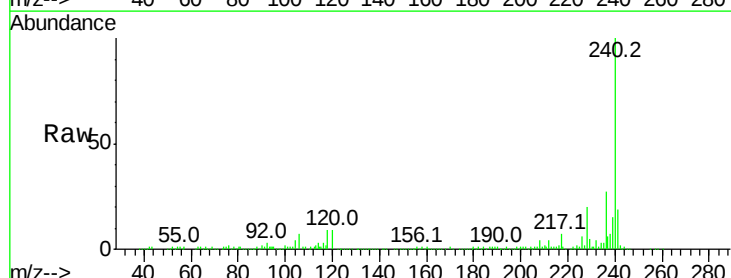
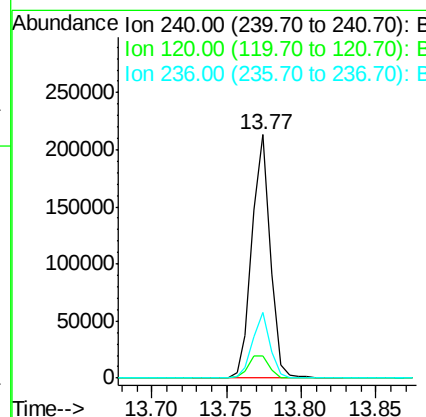
RT: 13.77 min Scan# 1987

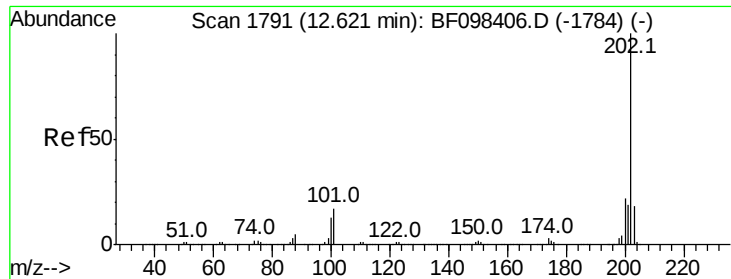
Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	181679		
120	9.2	5.8	8.8#	
236	27.0	20.5	30.7	





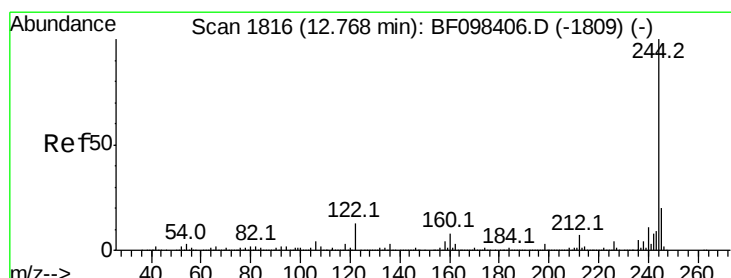
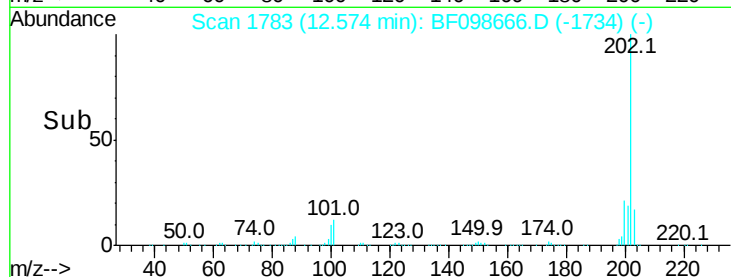
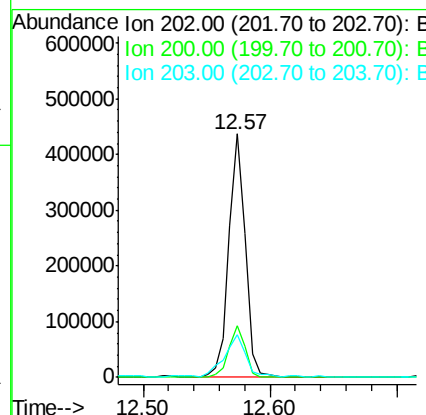
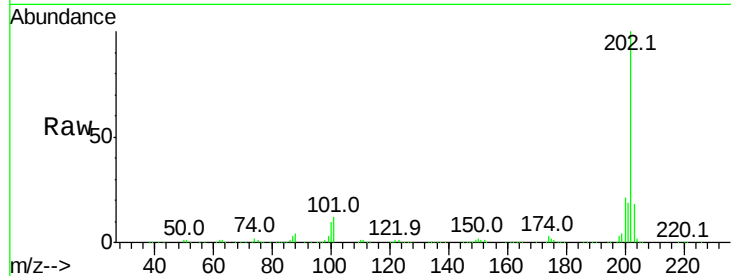
#77
Pvrene
Concen: 27.406 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampled :
CSTP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.5	14.4	21.6

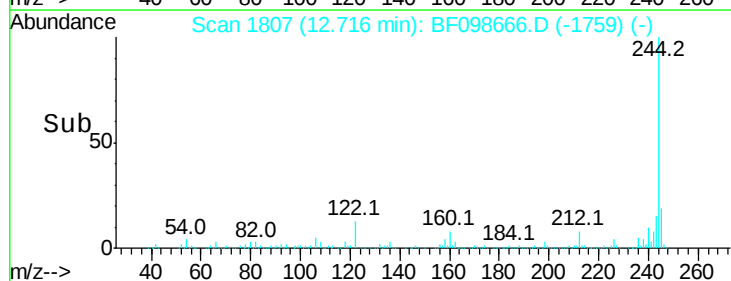
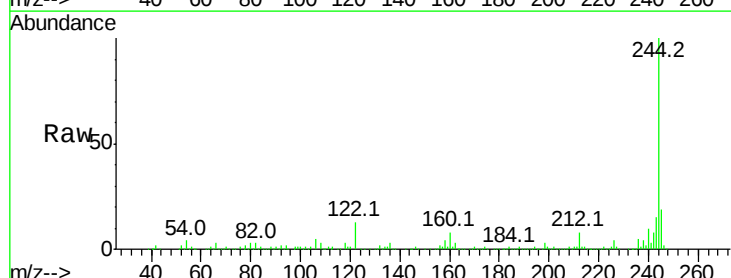
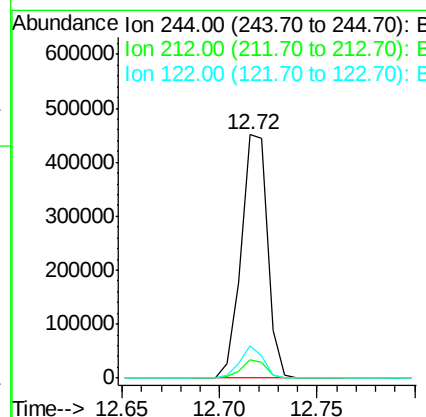
Manual Integrations
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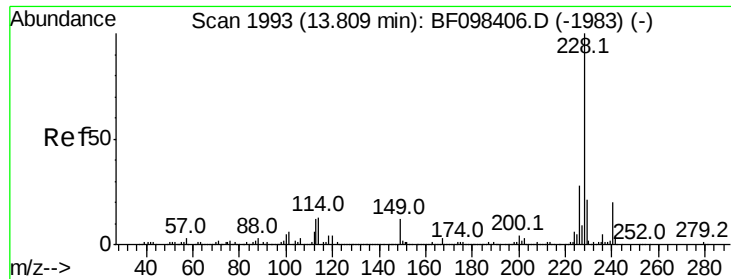
Sohil
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#78
Terphenyl-d14
Concen: 50.250 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.3	10.3	15.5





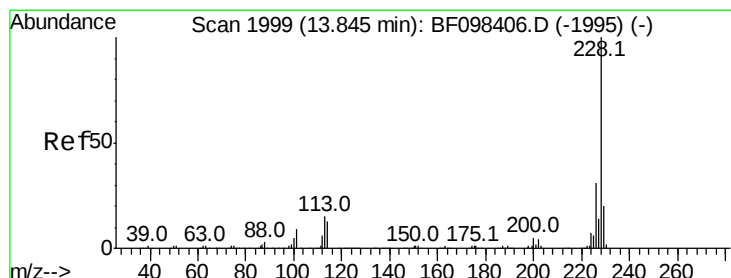
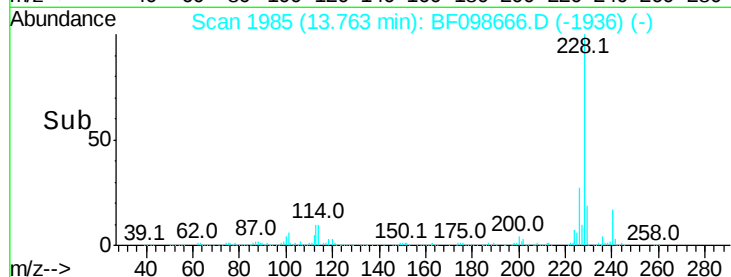
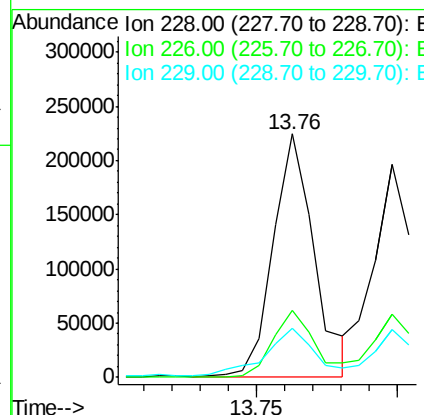
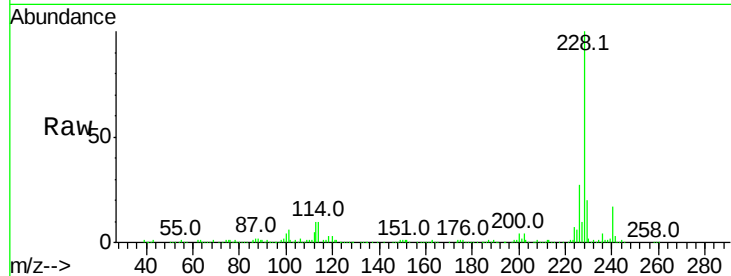
#80
Benzo(a)anthracene
Concen: 21.062 ng
RT: 13.76 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampleId :
CSTP-3

Tot Ion	Ratio	Resp	Lower	Upper
228	100	224339		
226	27.4		22.6	33.8
229	20.1		16.3	24.5

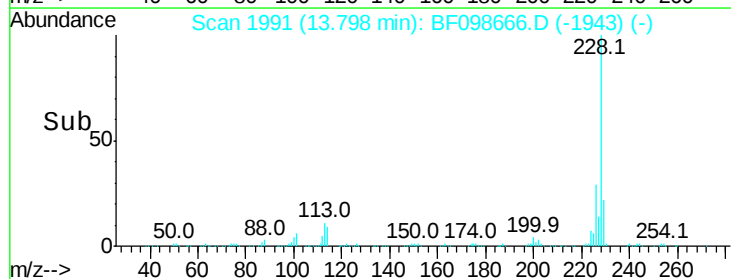
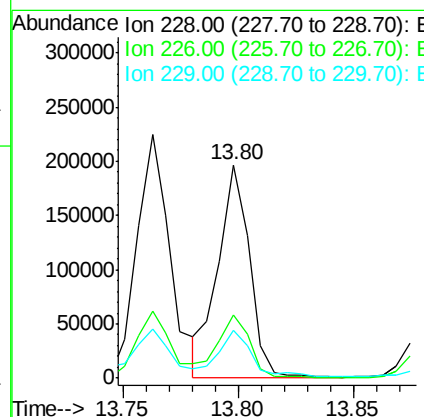
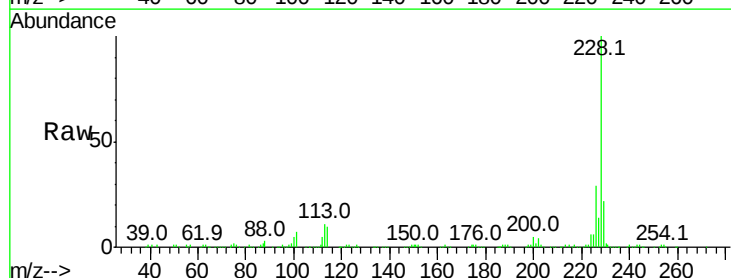
Manual Integrations
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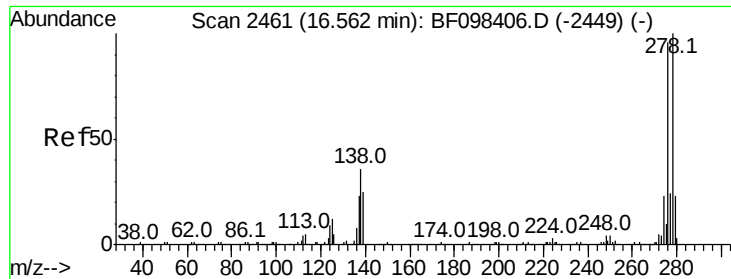
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#82
Chrysene
Concen: 17.209 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	185289		
226	29.5		24.9	37.3
229	22.2		15.8	23.6





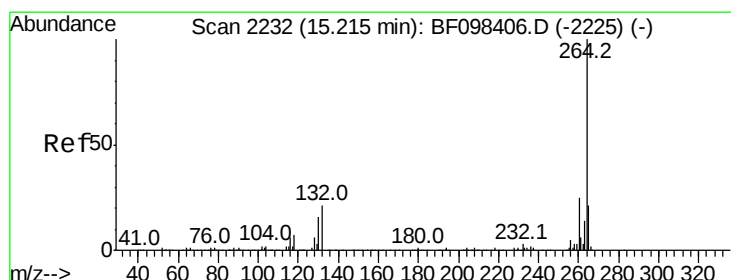
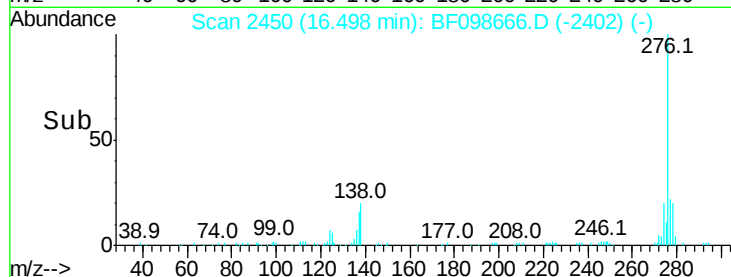
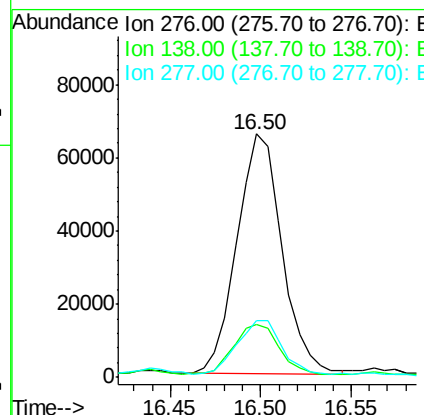
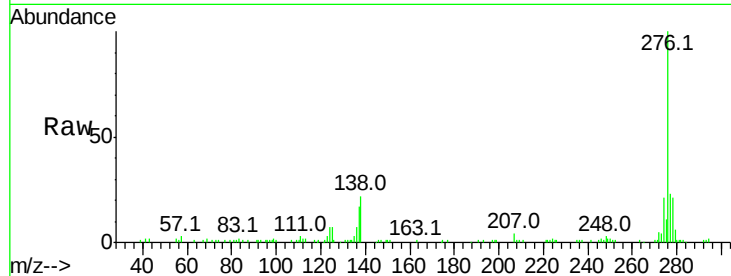
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.993 ng
RT: 16.50 min Scan# 2450
Delta R.T. -0.02 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Instrument :
BNA_F
ClientSampleId :
CSTP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	27.8	41.6#
277	22.8	20.2	30.4

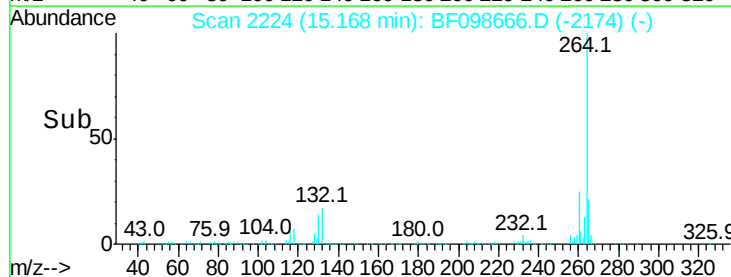
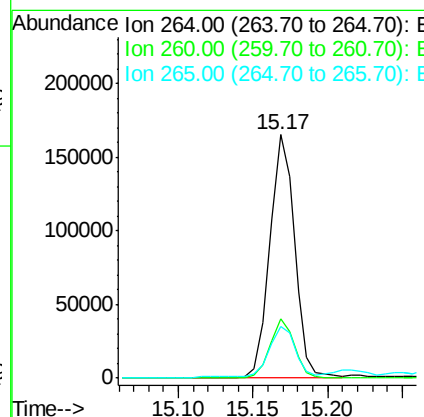
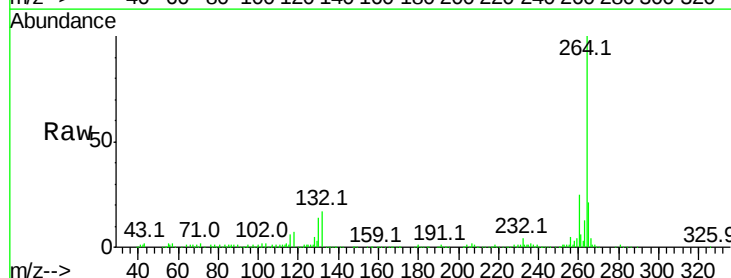
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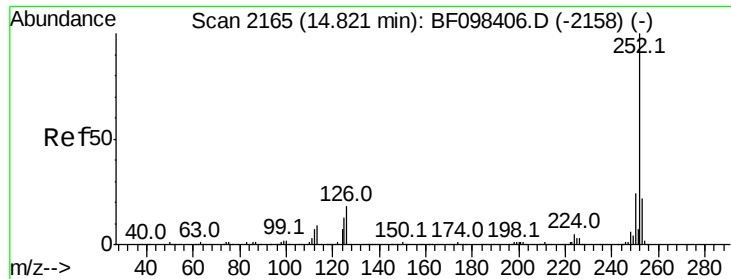
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098666.D
Acq: 20 Sep 2017 18:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 24.347 ng m

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

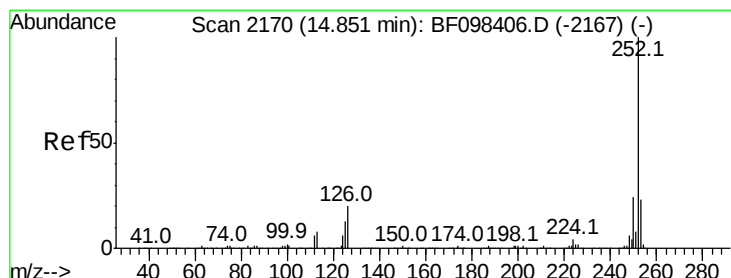
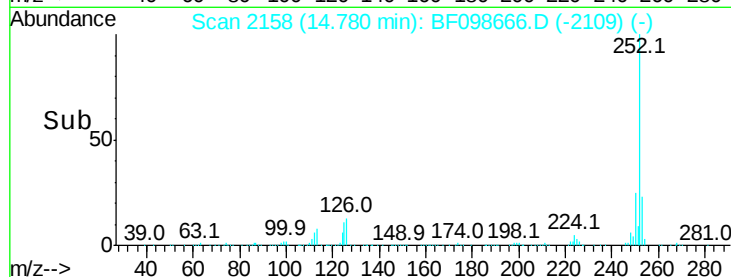
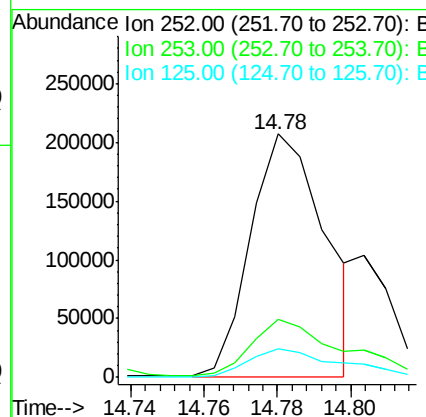
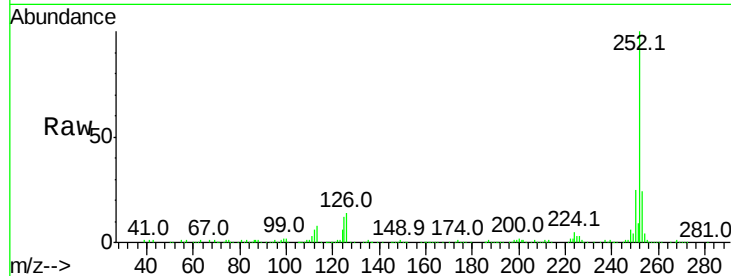
ClientSampleId :

CSTP-3

Tot Ion:	252	Resp:	291431
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	11.7	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.829 ng m

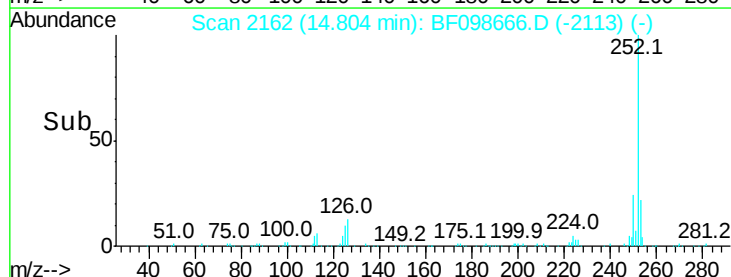
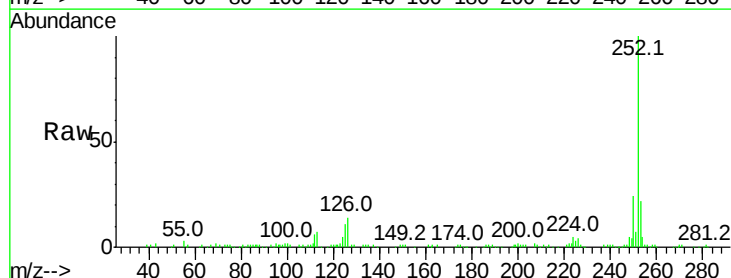
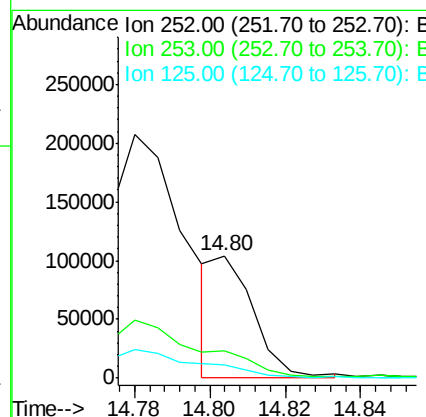
RT: 14.80 min Scan# 2162

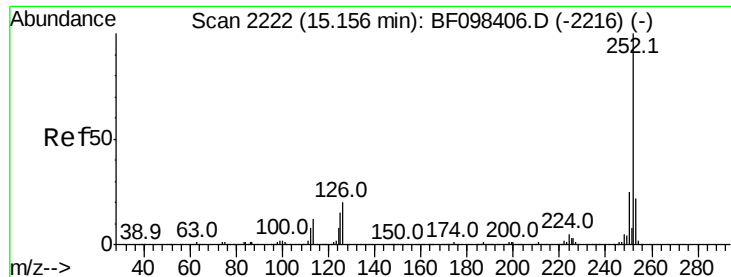
Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Tgt Ion:	252	Resp:	76312
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.4	27.6
125	11.1	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 22.228 ng/mL

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Instrument :

BNA_F

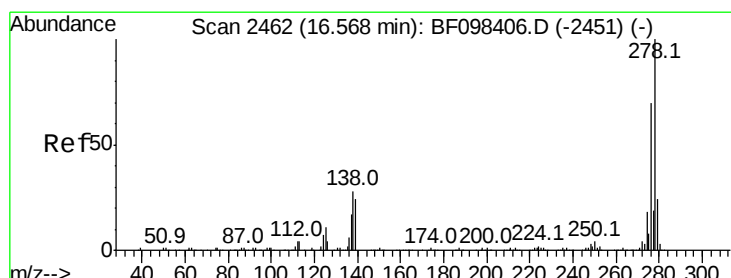
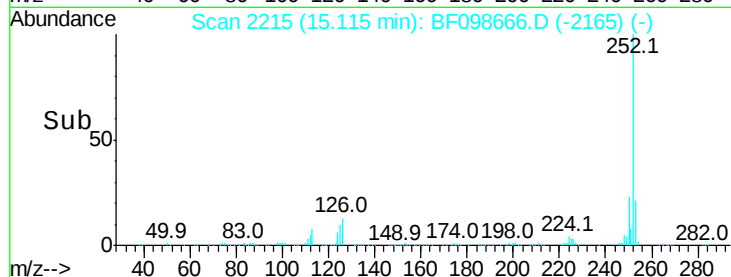
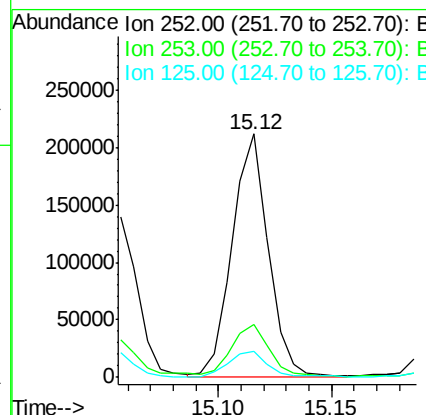
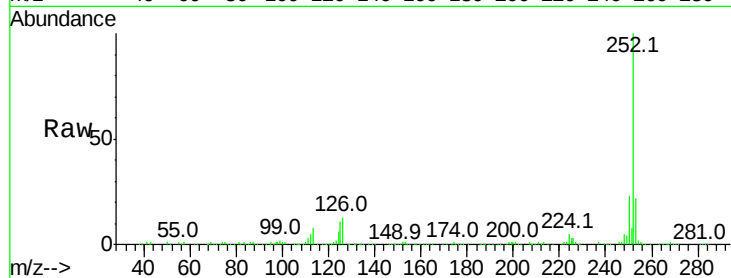
ClientSampled :

CSTP-3

Tot Ion:	252	Resp:	237047
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	10.7	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 3.760 ng/mL

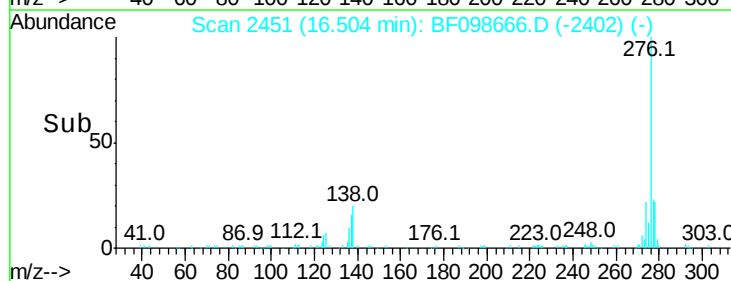
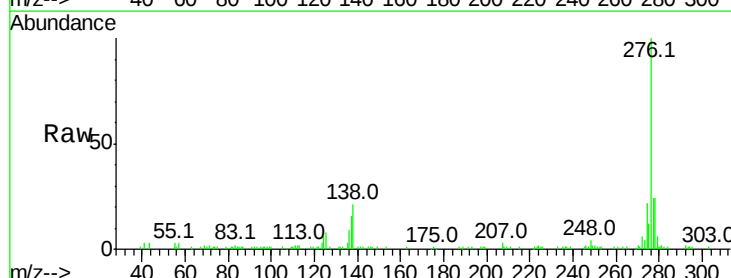
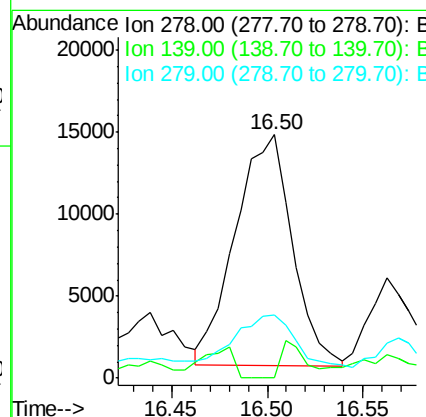
RT: 16.50 min Scan# 2451

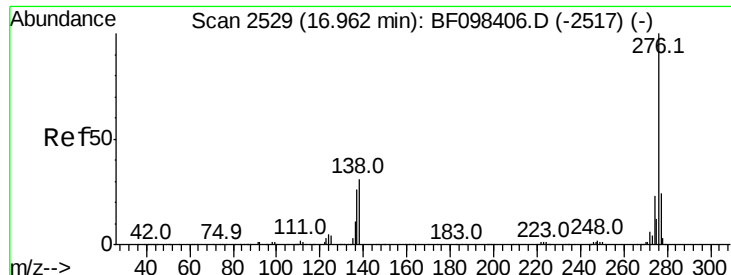
Delta R.T. -0.01 min

Lab File: BF098666.D

Acq: 20 Sep 2017 18:04

Tgt Ion:	278	Resp:	29167
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8
279	25.7	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 15.357 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF098666.D
 Acq: 20 Sep 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-3

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	18.6	28.0
138	21.6	25.4	38.0

Manual Integrations
 APPROVED

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