

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113780.D
 Acq On : 15 Apr 2019 23:26
 Operator : JU/SJ
 Sample : K2397-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-D

Manual Integrations
 APPROVED

Sohil
 4/16/2019 5:03:09 PM

Quant Time: Apr 16 03:44:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	119504	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	451184	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	220960	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	413018	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	272588	20.00	ng	-0.02
87) Perylene-d12	15.24	264	267900	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	730889	104.29	ng	-0.01
7) Phenol-d6	6.33	99	962414	111.42	ng	-0.01
23) Nitrobenzene-d5	7.24	82	559146	72.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	264884	99.80	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	841468	61.31	ng	-0.02
79) Terphenyl-d14	12.77	244	692247	51.71	ng	-0.02
Target Compounds						
31) Naphthalene	7.97	128	88181	4.034	ng	99
50) Dimethylphthalate	9.43	163	140628	8.634	ng	100
71) Phenanthrene	11.21	178	467811	22.794	ng	98
72) Anthracene	11.26	178	126705	6.068	ng	97
75) Fluoranthene	12.40	202	1040673	47.320	ng	99
78) Pyrene	12.63	202	950080	45.807	ng	99
81) Benzo(a)anthracene	13.82	228	676249	43.006	ng	99
83) Chrysene	13.86	228	640451	40.179	ng	98
86) Indeno(1,2,3-cd)pyrene	16.62	276	438688	29.808	ng	97
88) Benzo(b)fluoranthene	14.85	252	959341m	58.501	ng	
89) Benzo(k)fluoranthene	14.87	252	349186m	23.726	ng	
90) Benzo(a)pyrene	15.19	252	706419	48.478	ng	98
91) Dibenzo(a,h)anthracene	16.62	278	113263m	8.312	ng	
92) Benzo(g,h,i)perylene	17.03	276	421253	30.287	ng	98

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

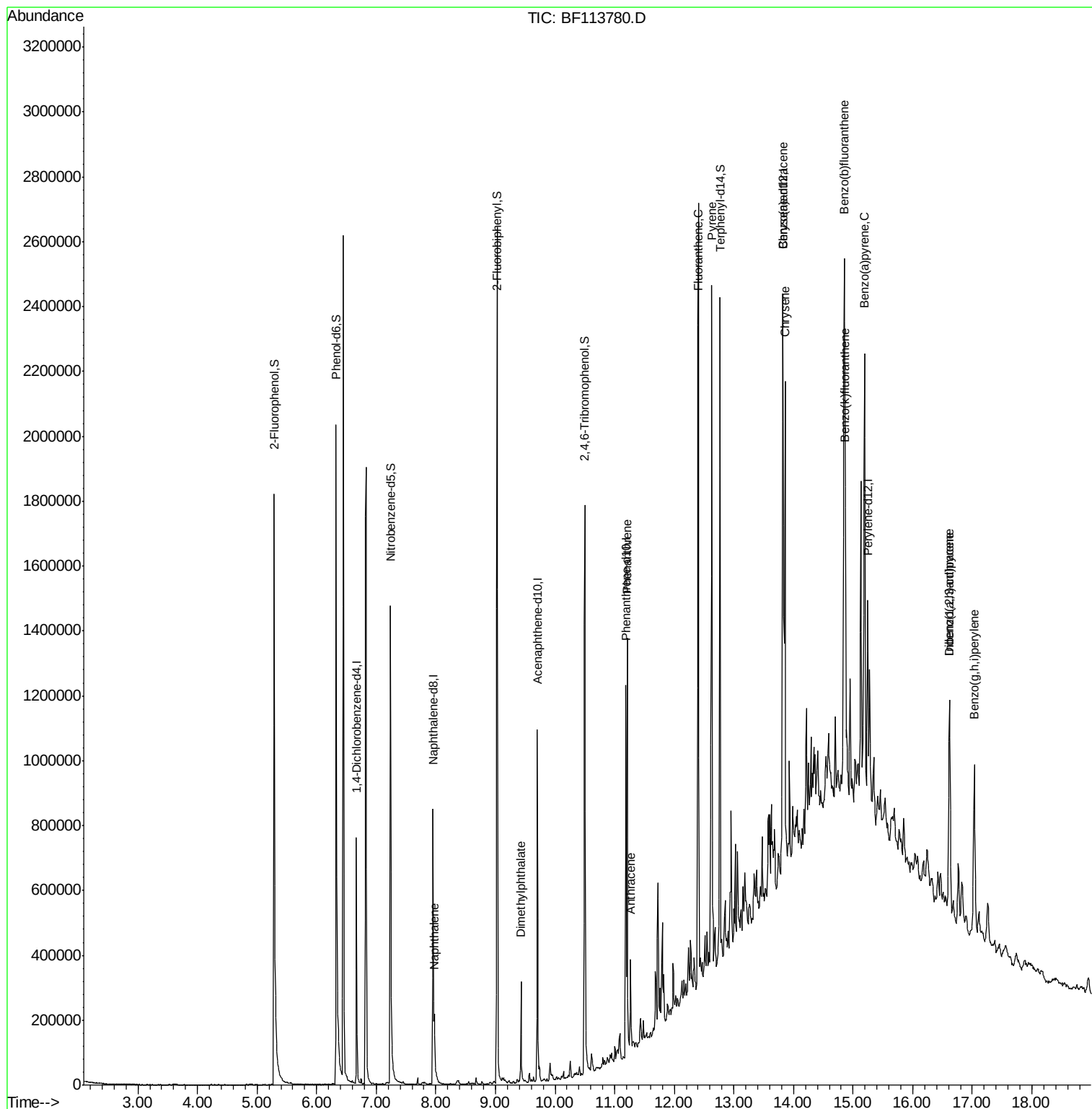
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
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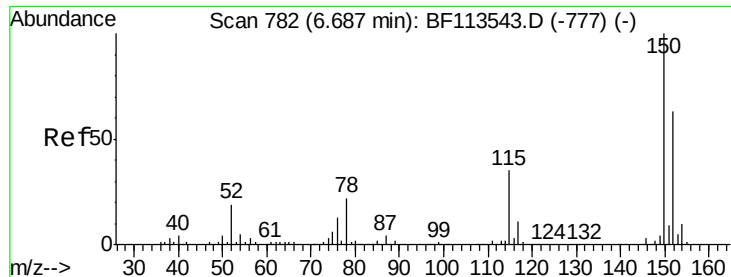
Instrument :
BNA_F
ClientSampled :
TP-3-D

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#1

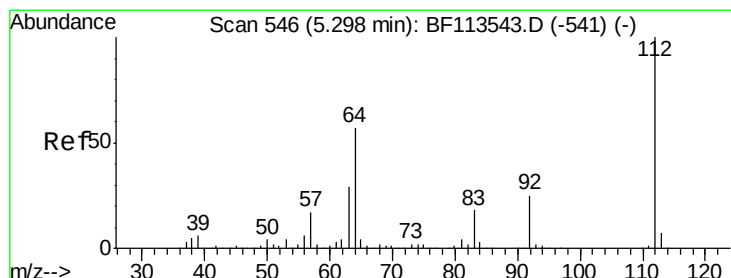
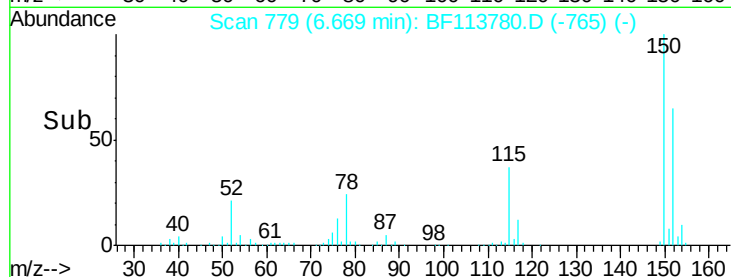
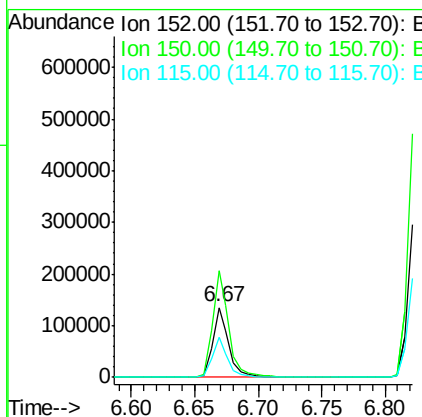
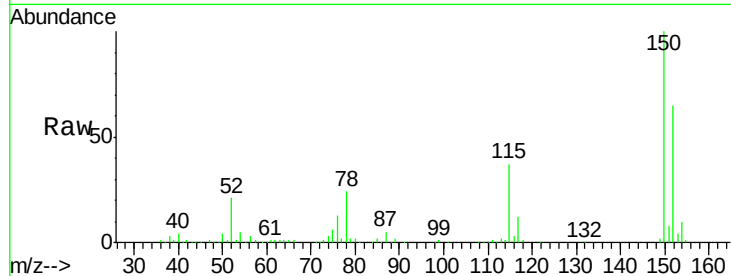
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.7	187.1
115	56.4	46.0	69.0

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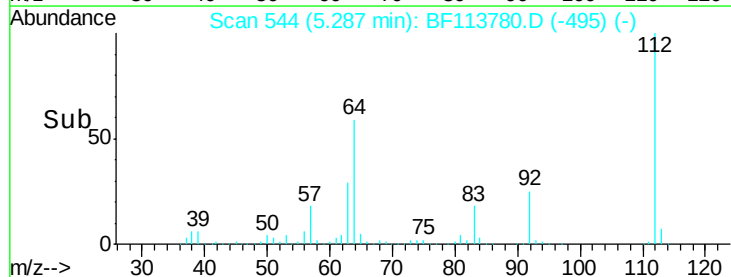
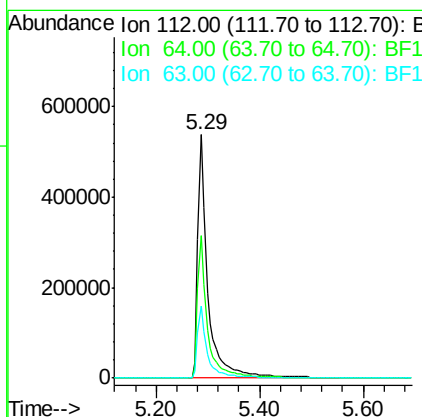
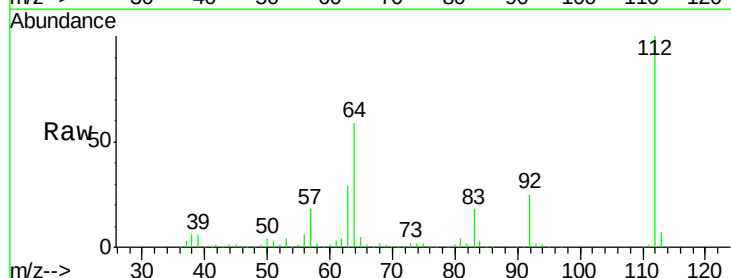
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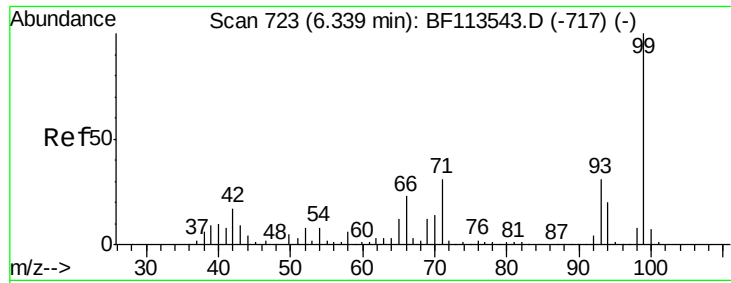


#5

2-Fluorophenol
Concen: 104.292 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	49.2	73.8
63	29.5	24.9	37.3





#7

Phenol-d6

Concen: 111.423 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Instrument :

BNA_F

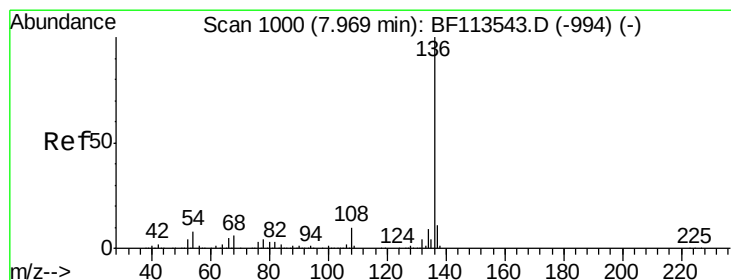
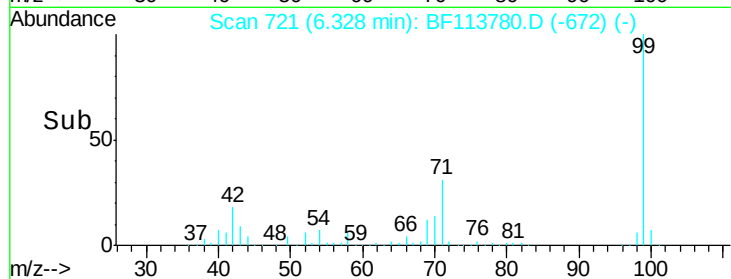
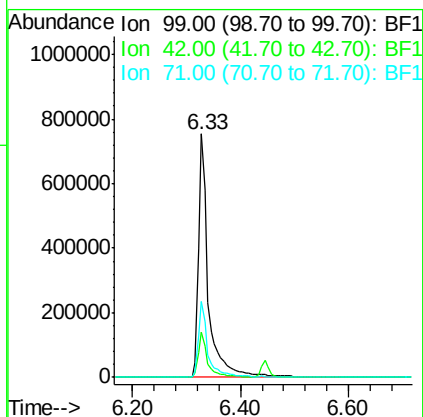
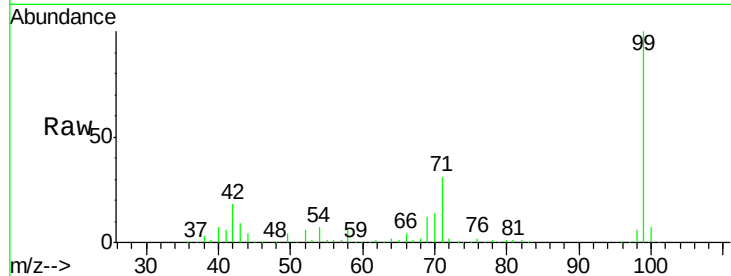
ClientSampled :

TP-3-D

Tgt Ion:	99	Resp:	962414
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.8	22.2
71	31.4	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

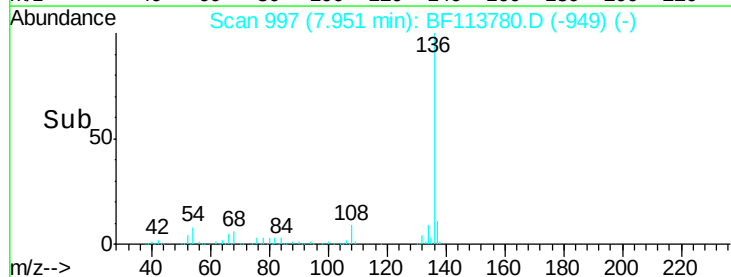
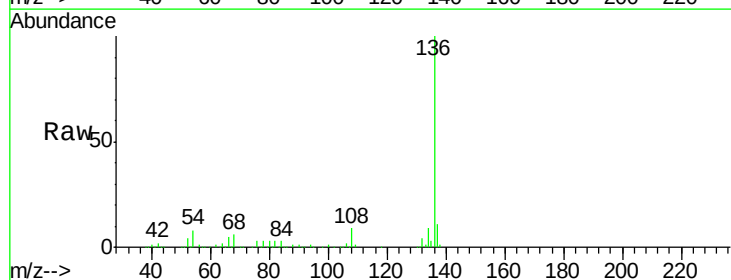
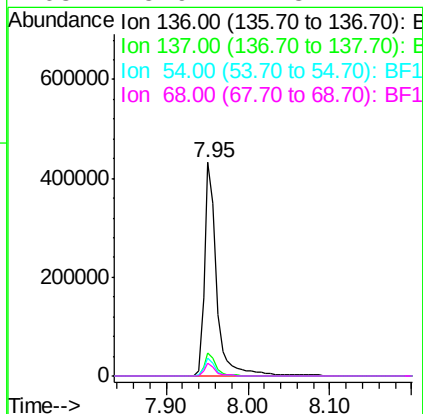
RT: 7.95 min Scan# 997

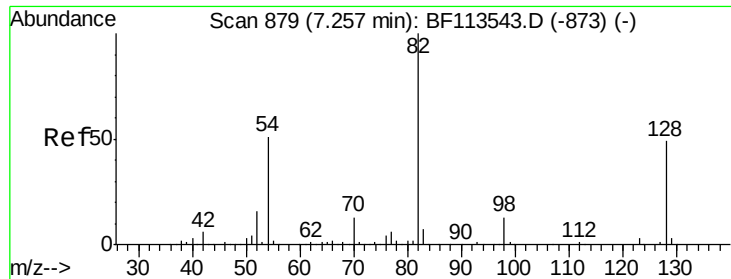
Delta R.T. -0.02 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Tgt Ion:	136	Resp:	451184
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.2	7.0	10.6
68	5.9	4.8	7.2





#23

Nitrobenzene-d5

Concen: 72.591 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Instrument :

BNA_F

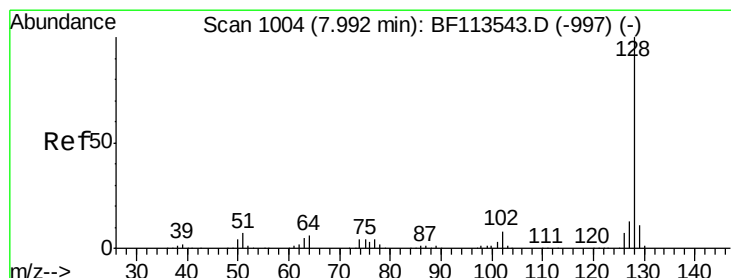
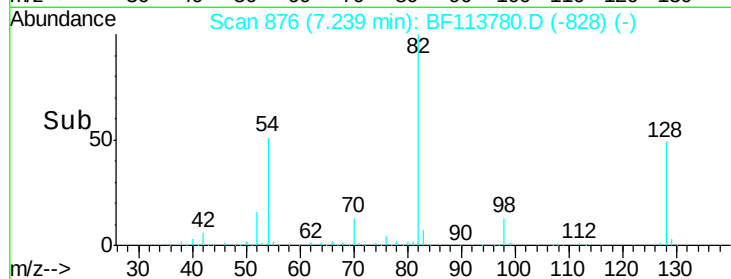
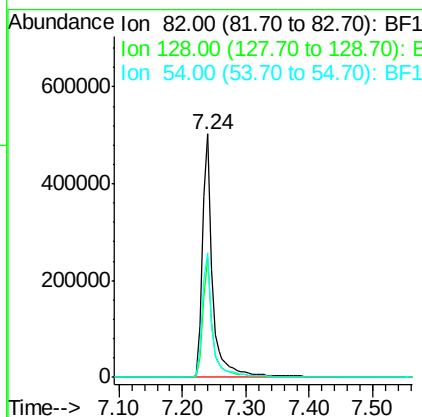
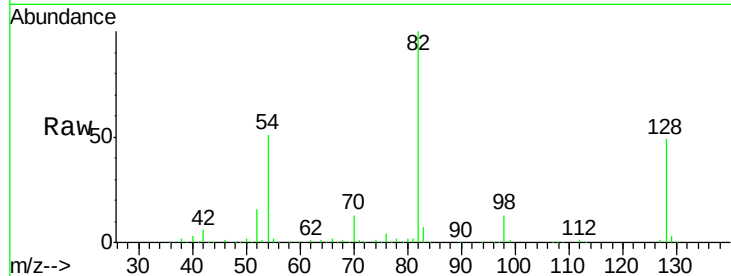
ClientSampled :

TP-3-D

Tgt Ion:	82	Resp:	559146
Ion Ratio	Lower	Upper	
82	100		
128	48.8	36.5	54.7
54	51.2	42.2	63.2

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#31

Naphthalene

Concen: 4.034 ng

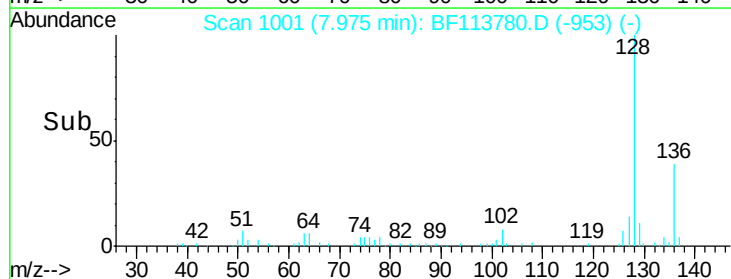
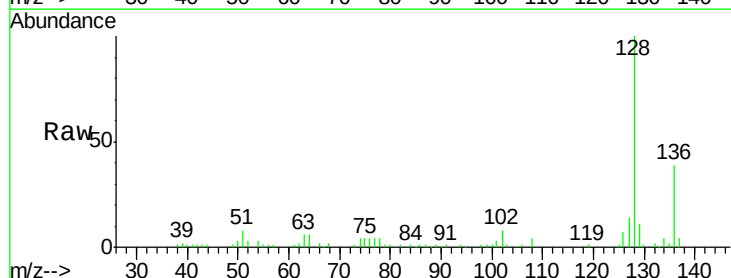
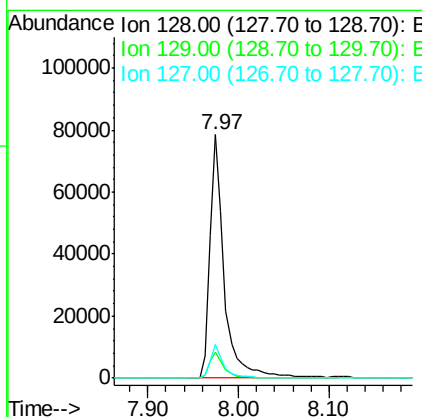
RT: 7.97 min Scan# 1001

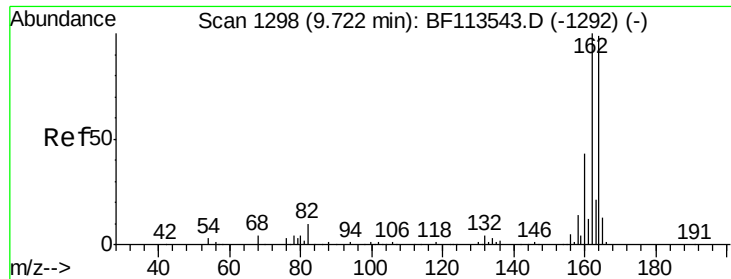
Delta R.T. -0.02 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Tgt Ion:	128	Resp:	88181
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.3	13.9
127	13.6	10.9	16.3





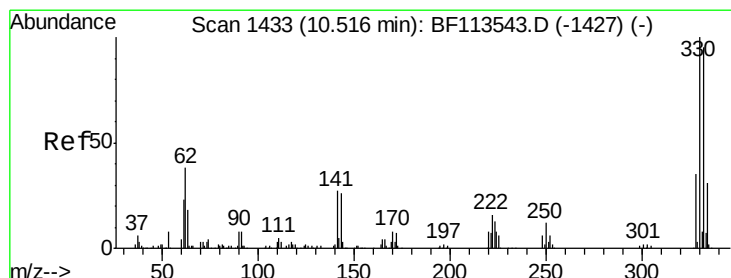
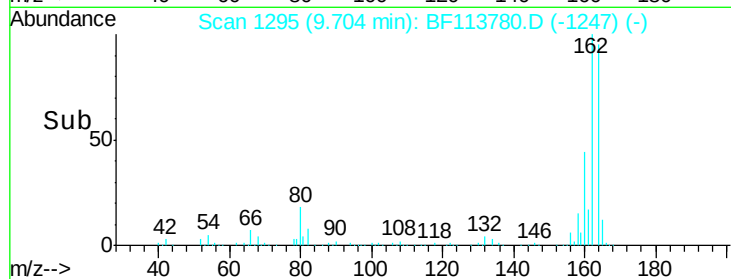
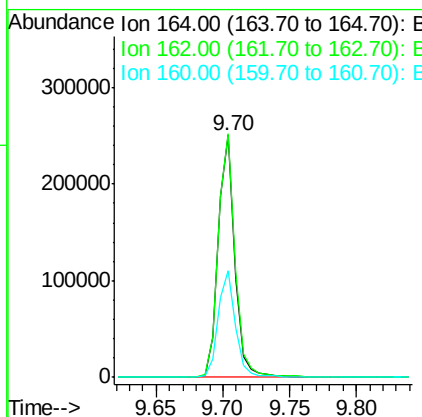
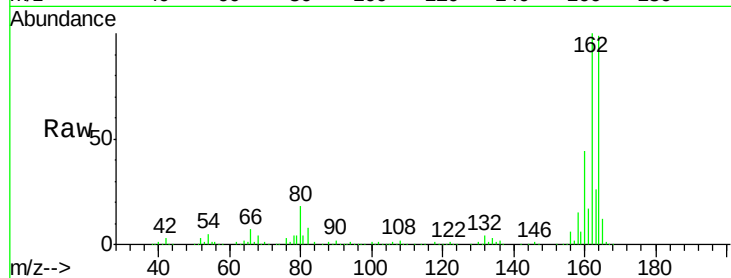
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113780.D
 Acq: 15 Apr 2019 23:26

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220960		
162	100.6	81.8	122.6	
160	44.3	36.4	54.6	

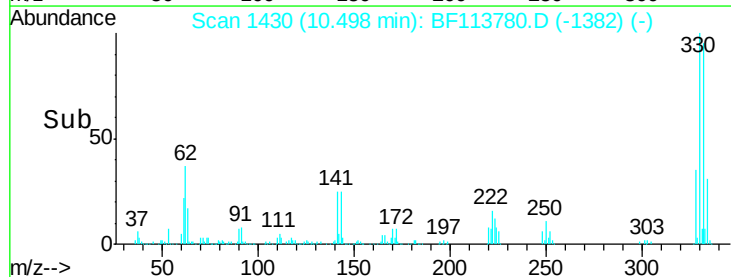
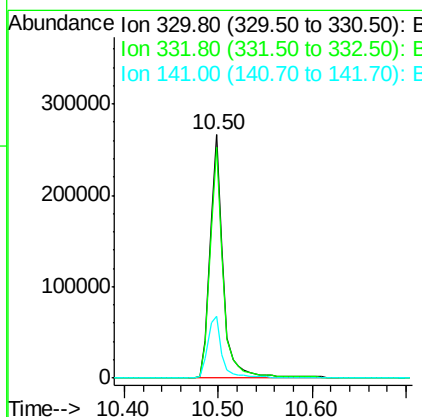
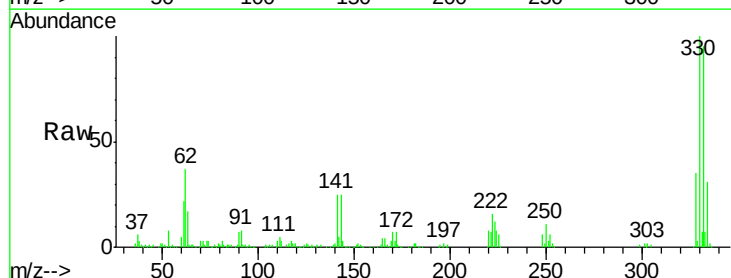
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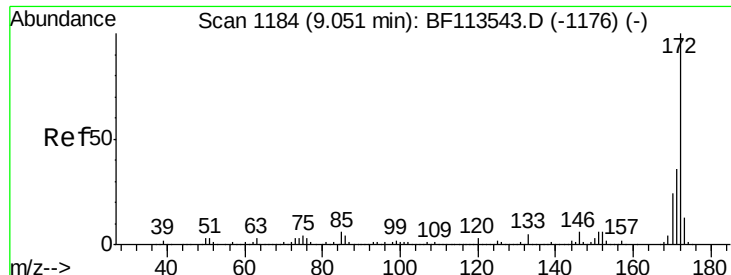
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#42
 2,4,6-Tribromophenol
 Concen: 99.796 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113780.D
 Acq: 15 Apr 2019 23:26

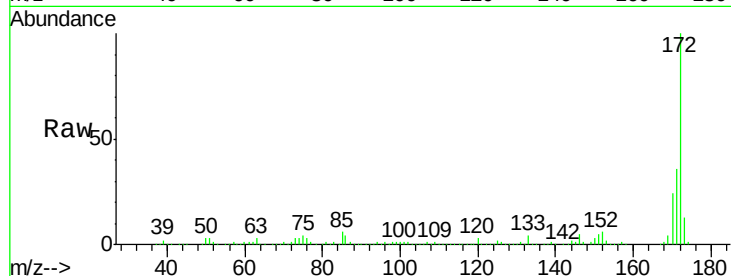
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	264884		
332	95.0	77.8	116.6	
141	28.2	22.7	34.1	





#45
 2-Fluorobiphenyl
 Concen: 61.308 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113780.D
 Acq: 15 Apr 2019 23:26

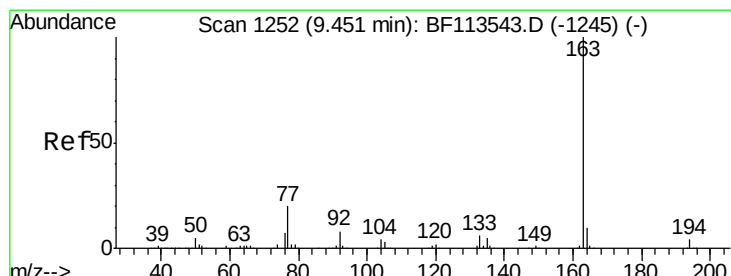
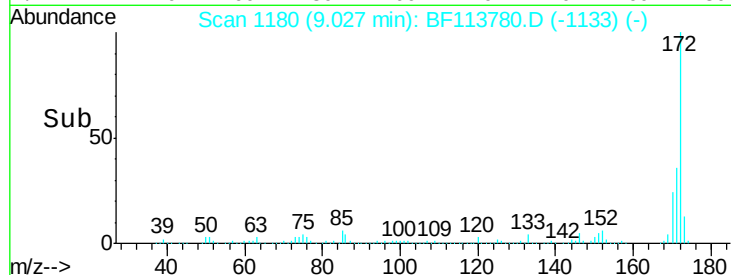
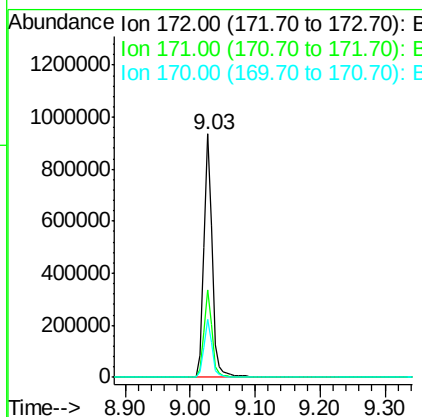
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-D



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	841468		
171	35.9	29.0	43.6	
170	23.6	19.5	29.3	

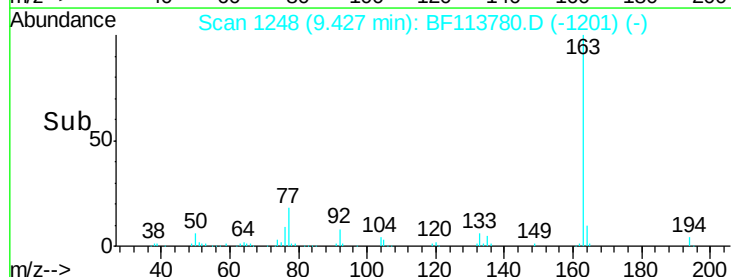
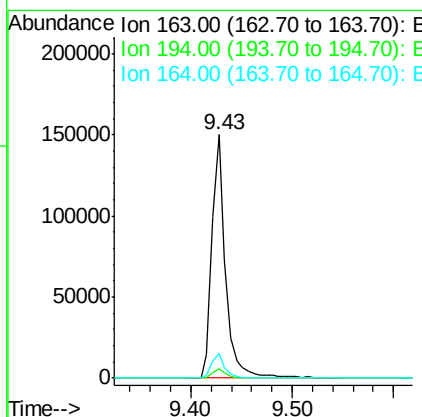
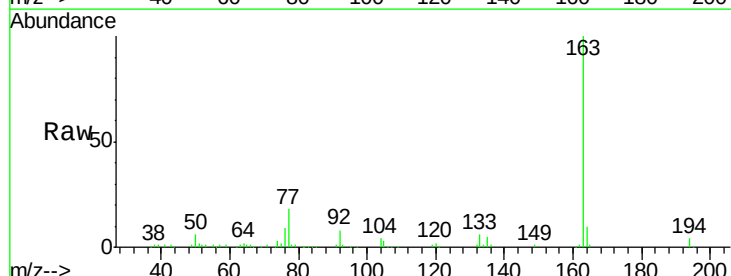
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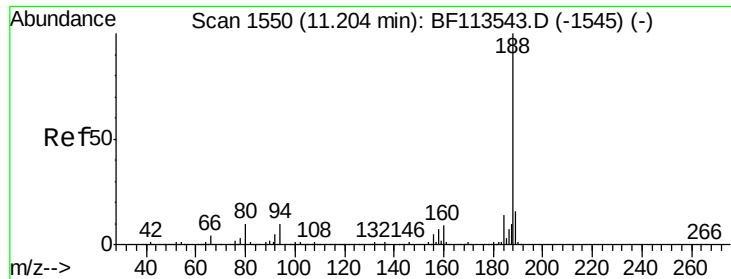
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#50
 Dimethylphthalate
 Concen: 8.634 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: BF113780.D
 Acq: 15 Apr 2019 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	140628		
194	3.7	3.0	4.6	
164	9.9	8.1	12.1	





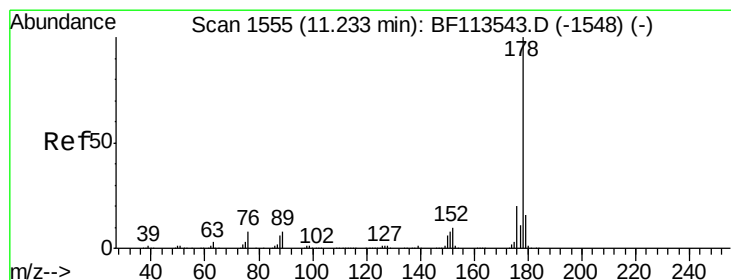
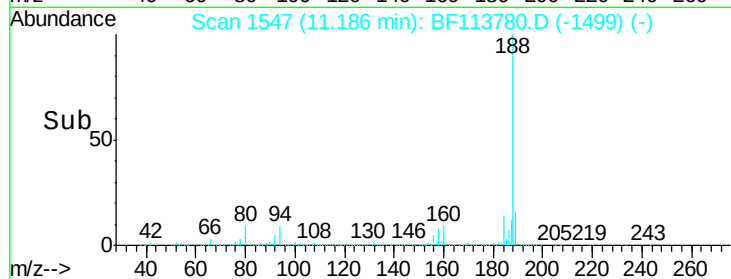
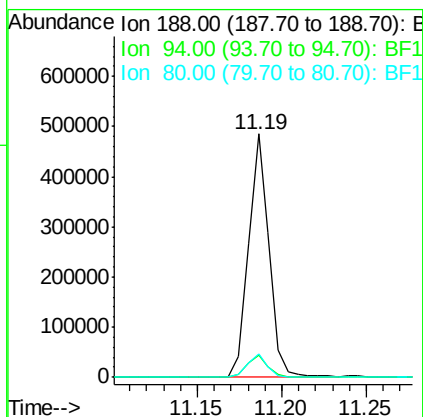
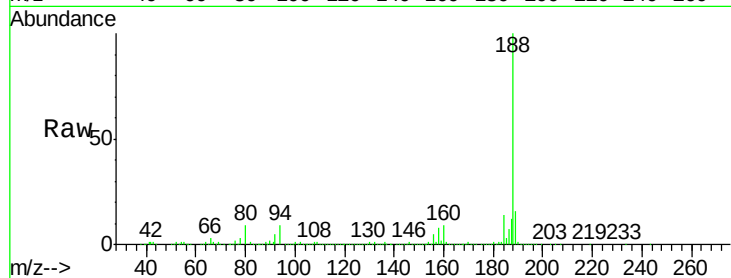
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	7.0	10.6
80	9.4	7.7	11.5

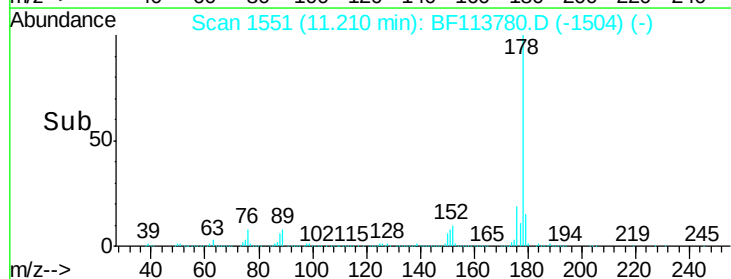
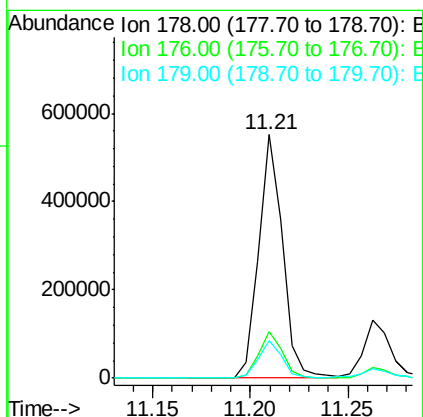
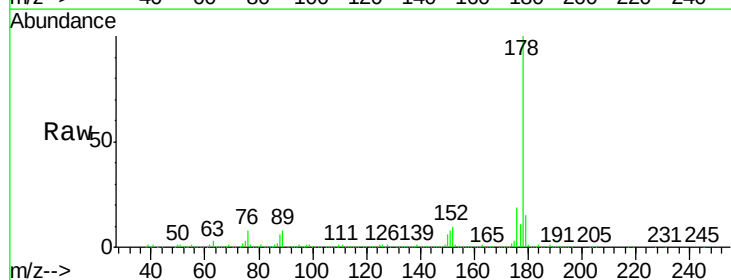
Manual Integrations
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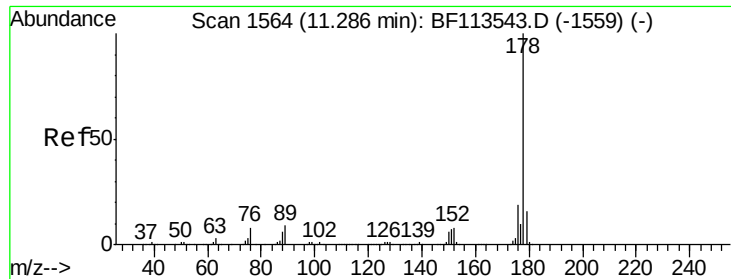
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#71
Phenanthrene
Concen: 22.794 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	16.2	24.2
179	15.4	12.7	19.1





#72

Anthracene

Concen: 6.068 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Instrument :

BNA_F

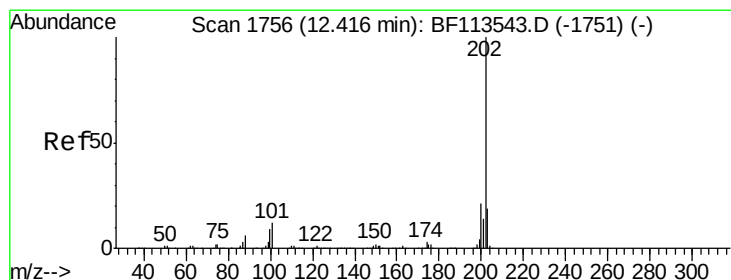
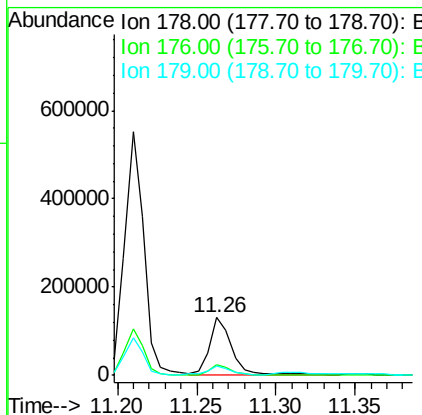
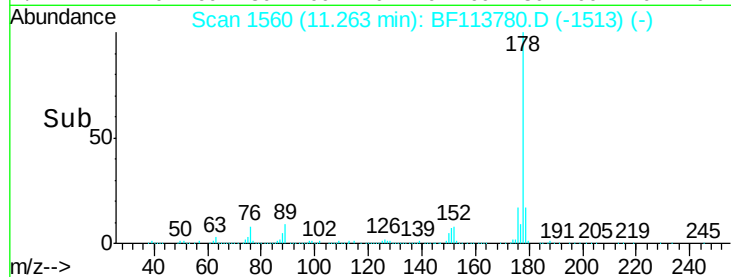
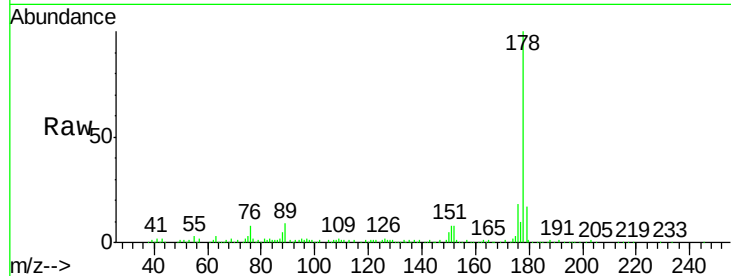
ClientSampled :

TP-3-D

Tgt Ion:	178	Resp:	126705
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.4	23.2
179	16.7	12.8	19.2

Manual Integrations
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#75

Fluoranthene

Concen: 47.320 ng

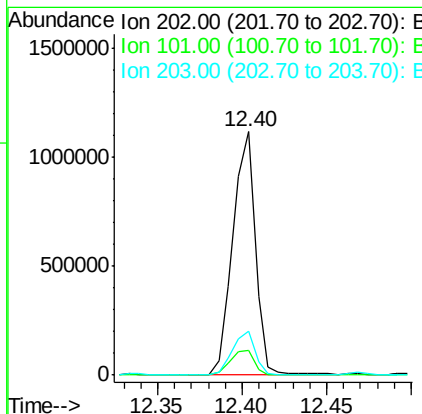
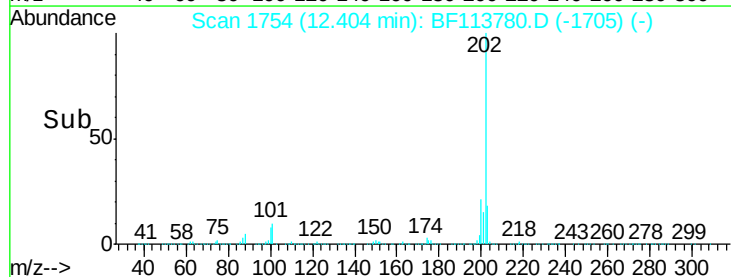
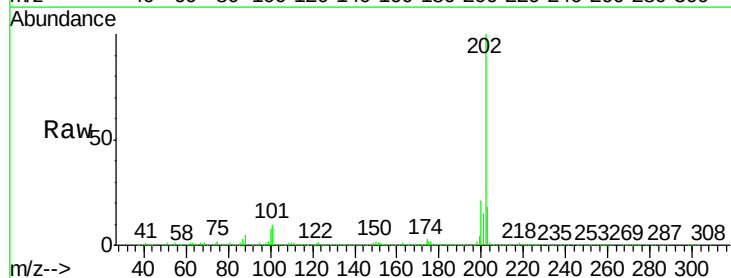
RT: 12.40 min Scan# 1754

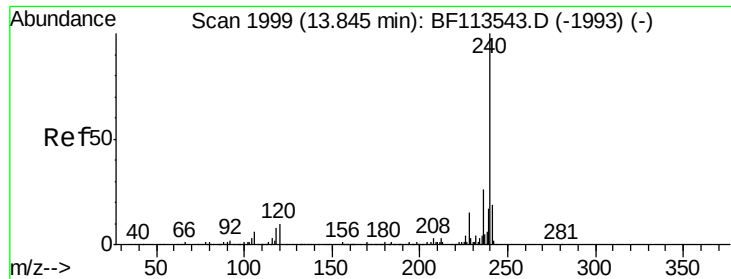
Delta R.T. -0.01 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Tgt Ion:	202	Resp:	1040673
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.4
203	18.0	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Instrument :

BNA_F

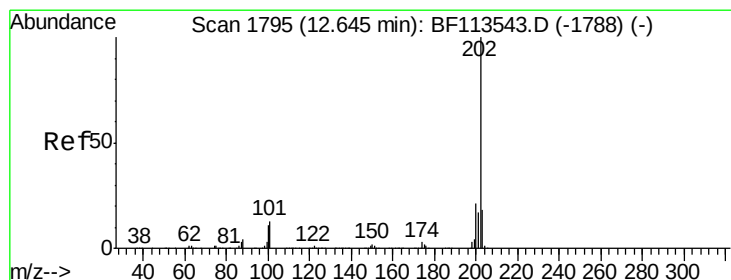
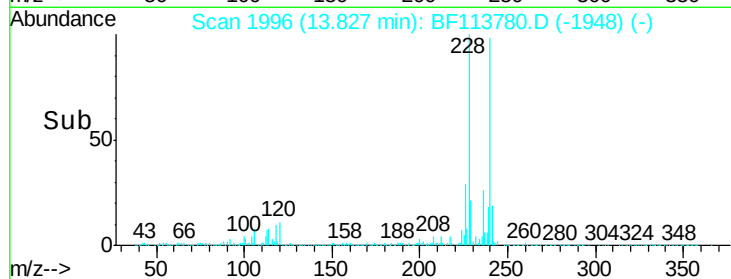
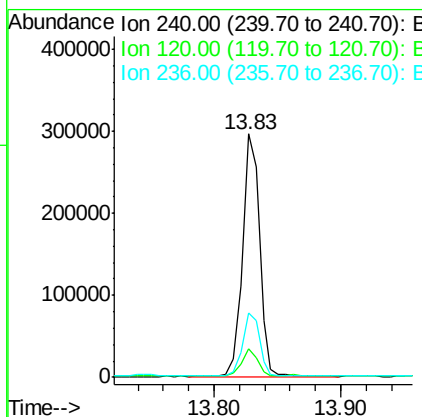
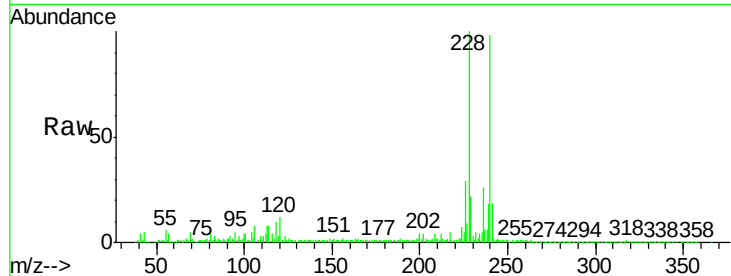
ClientSampled :

TP-3-D

Tgt Ion:	240	Resp:	272588
Ion Ratio	Lower	Upper	
240	100		
120	11.9	8.8	13.2
236	26.5	20.9	31.3

Manual Integrations
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#78

Pyrene

Concen: 45.807 ng

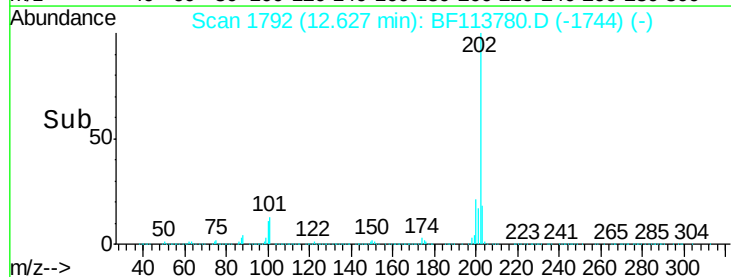
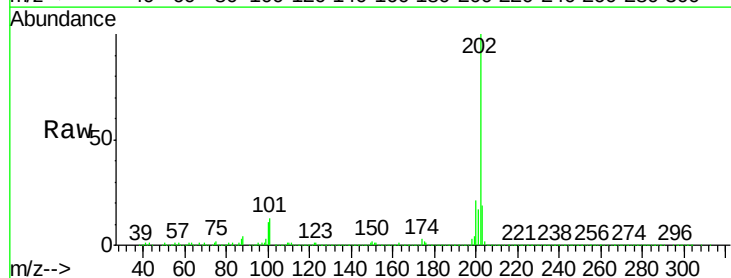
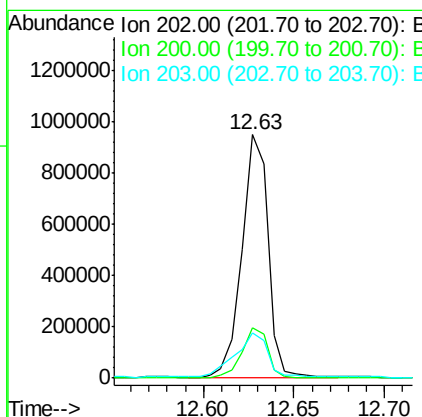
RT: 12.63 min Scan# 1792

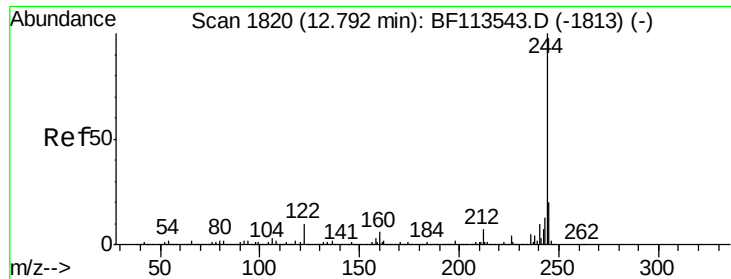
Delta R.T. -0.02 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Tgt Ion:	202	Resp:	950080
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.8	25.2
203	18.5	14.4	21.6





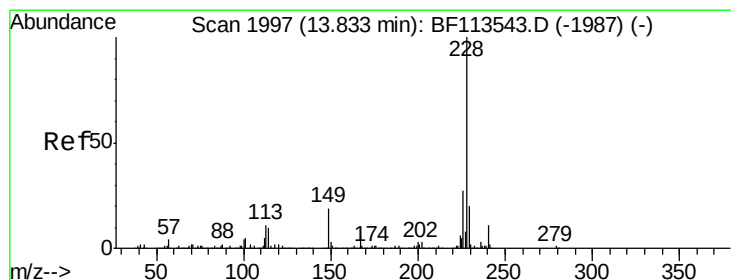
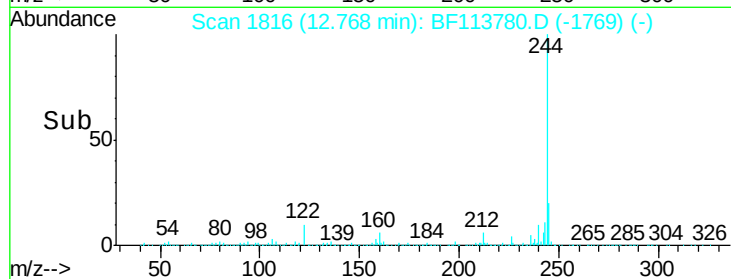
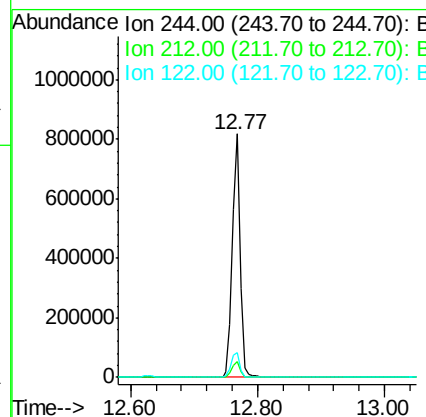
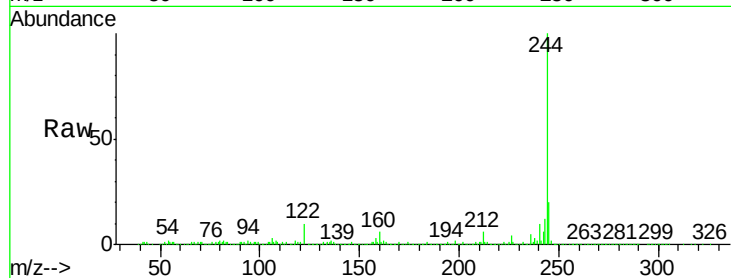
#79
 Terphenyl-d14
 Concen: 51.705 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113780.D
 Acq: 15 Apr 2019 23:26

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	692247		
212	6.4		5.5	8.3
122	9.9		8.6	13.0

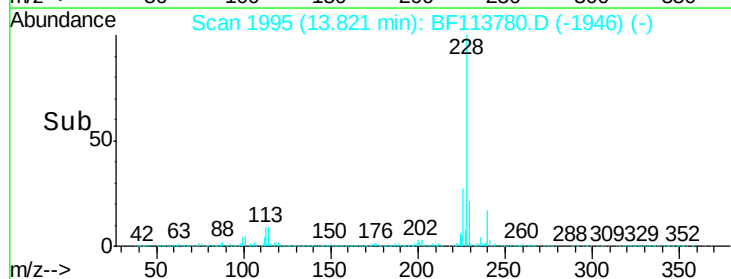
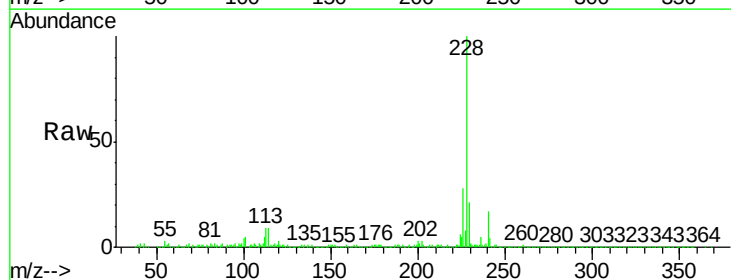
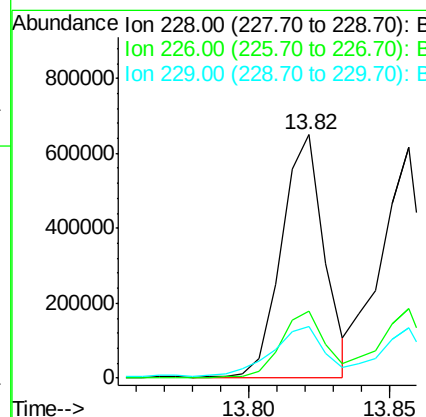
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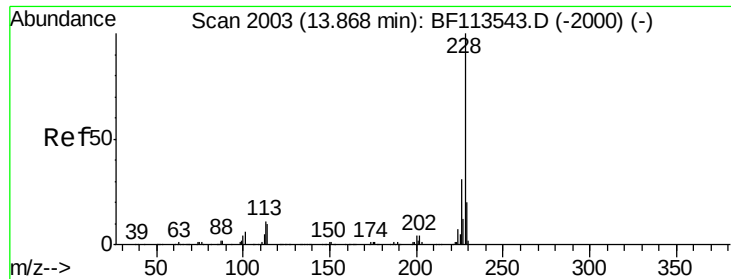
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#81
 Benzo(a)anthracene
 Concen: 43.006 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF113780.D
 Acq: 15 Apr 2019 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	676249		
226	27.7		21.8	32.8
229	21.4		16.2	24.4





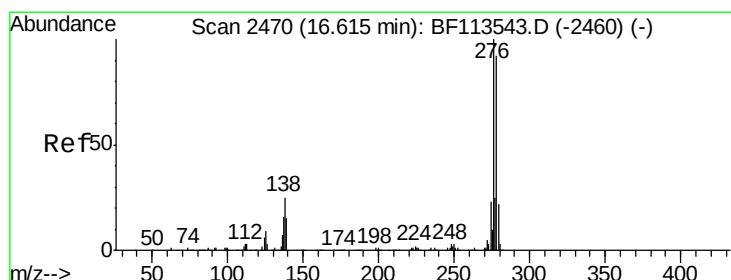
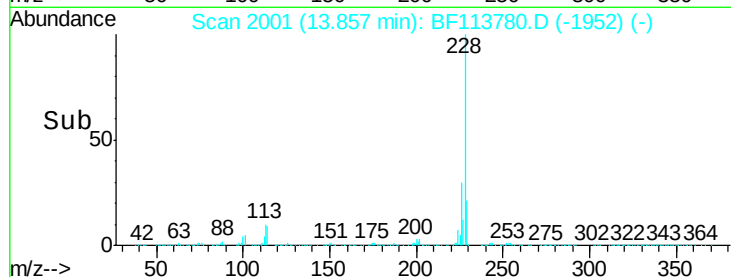
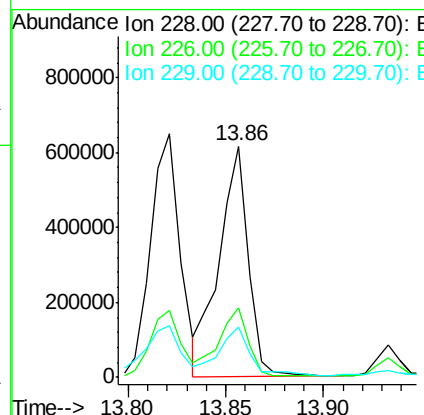
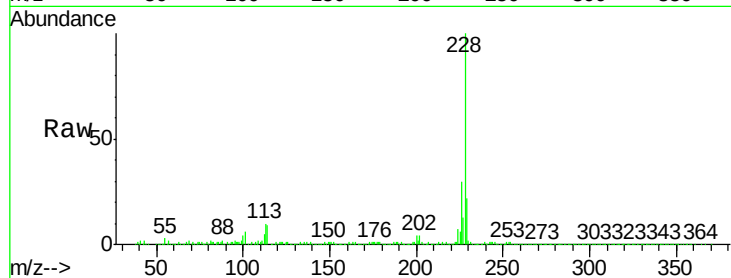
#83
Chrysene
Concen: 40.179 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	21.9	16.3	24.5

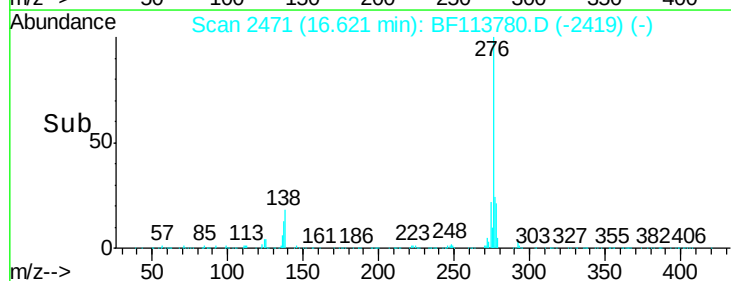
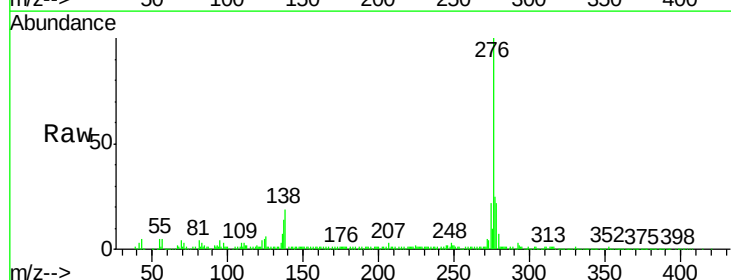
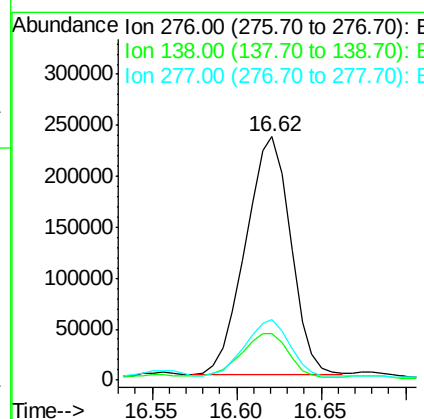
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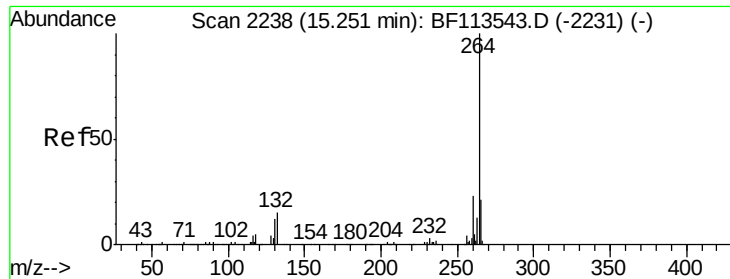
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 29.808 ng
RT: 16.62 min Scan# 2471
Delta R.T. 0.01 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.1	27.1
277	25.2	20.2	30.4





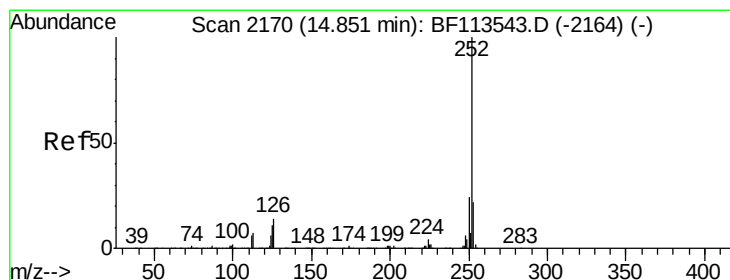
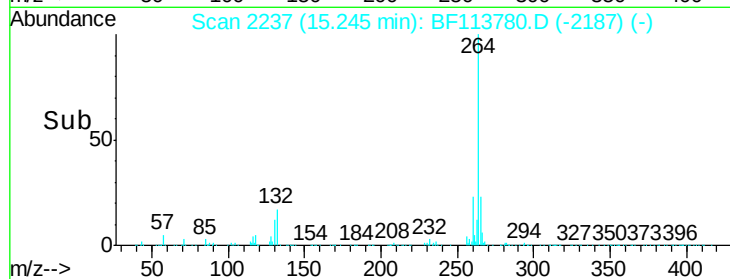
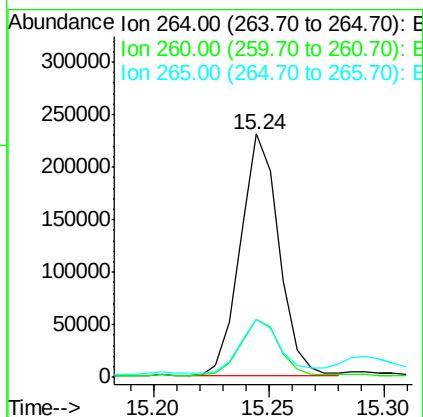
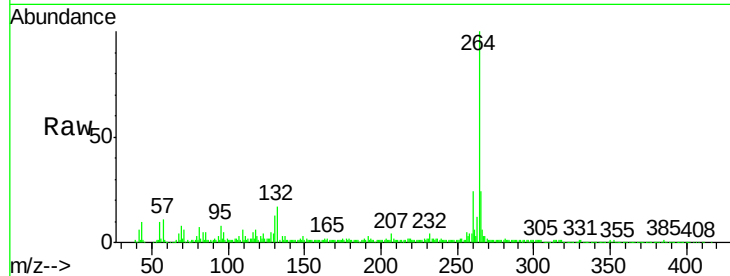
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tgt Ion:	264	Resp:	267900
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.1	28.7
265	23.8	17.1	25.7

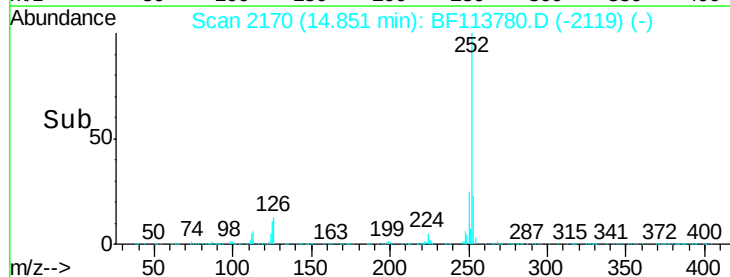
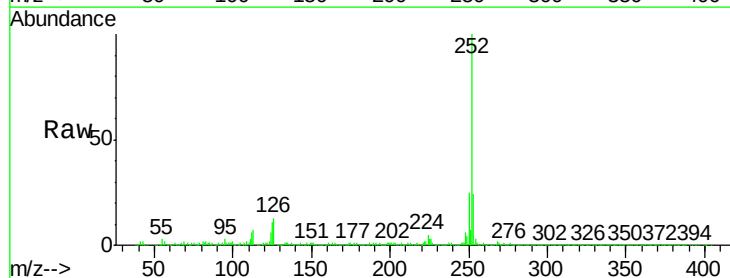
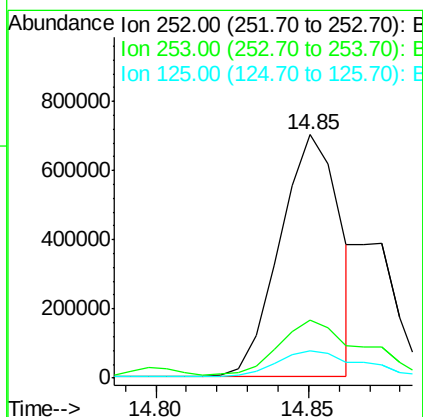
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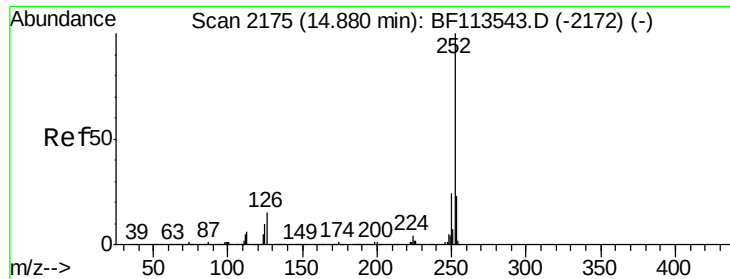
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#88
Benzo(b)fluoranthene
Concen: 58.501 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Tgt Ion:	252	Resp:	959341
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	11.3	7.6	11.4





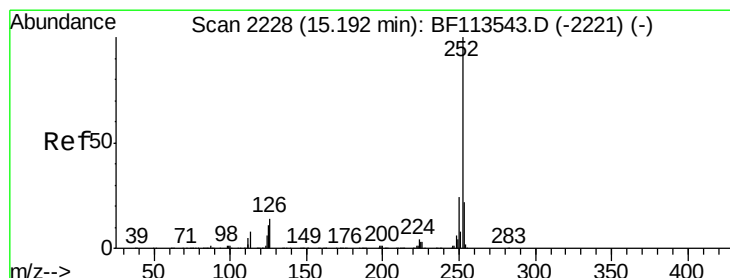
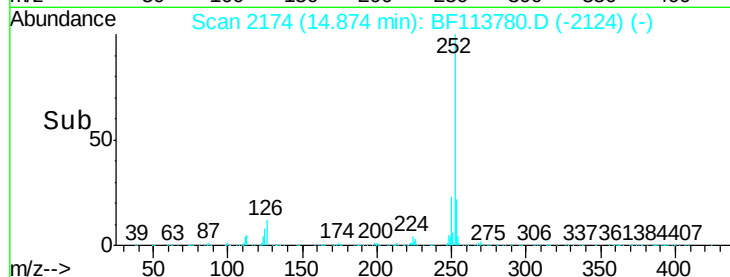
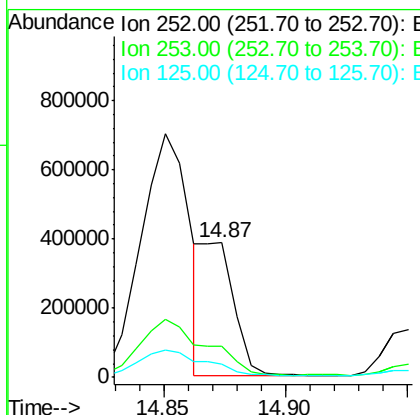
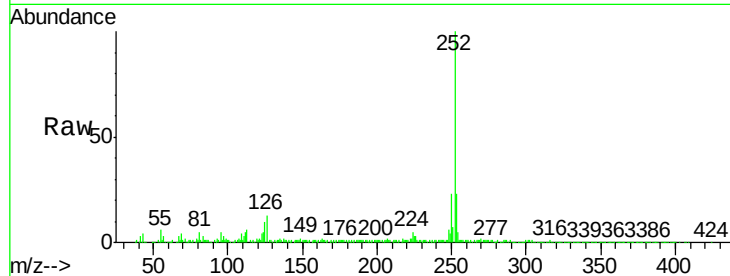
#89
Benzo(k)fluoranthene
Concen: 23.726 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	9.7	7.3	10.9

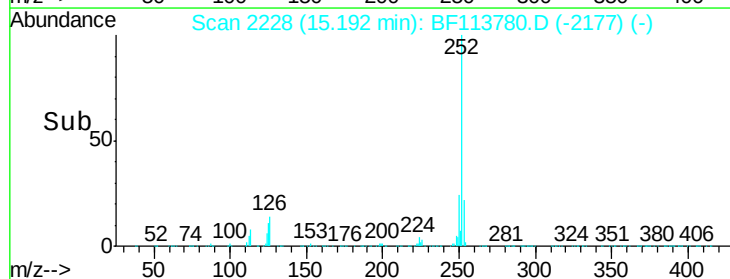
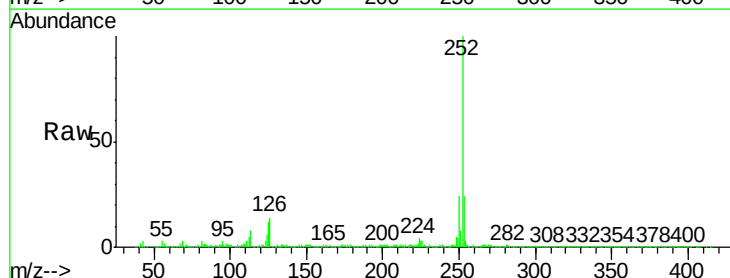
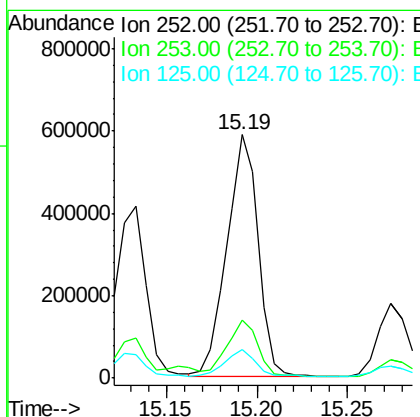
Manual Integrations
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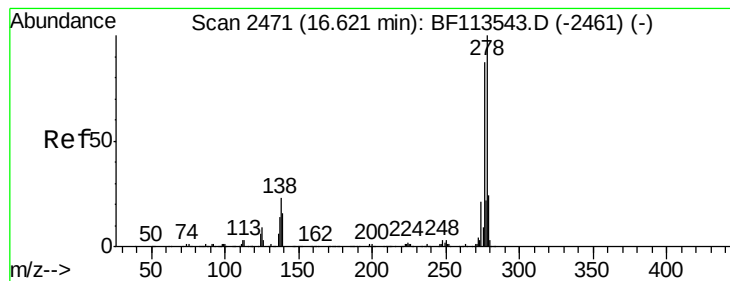
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#90
Benzo(a)pyrene
Concen: 48.478 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF113780.D
Acq: 15 Apr 2019 23:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	11.7	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 8.312 ng m

RT: 16.62 min Scan# 2470

Delta R.T. -0.01 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Instrument :

BNA_F

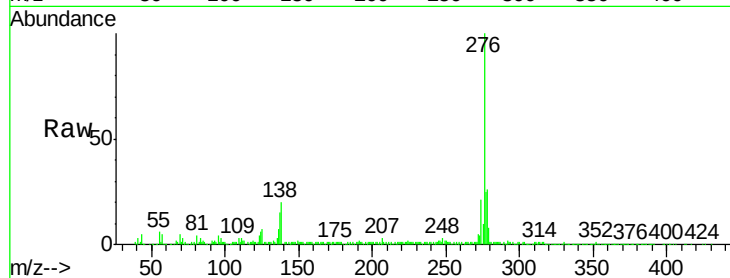
ClientSampled :

TP-3-D

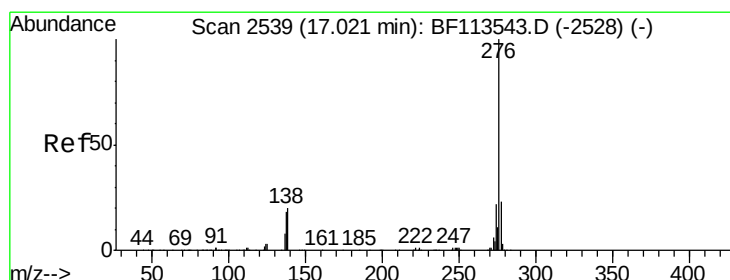
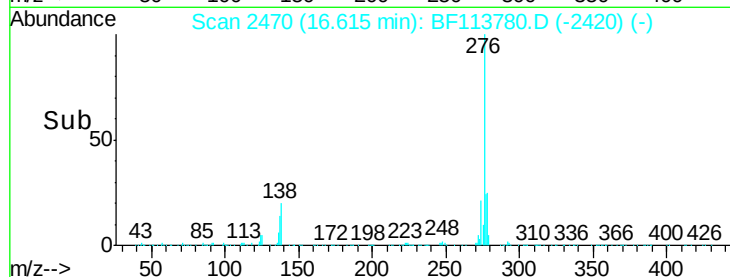
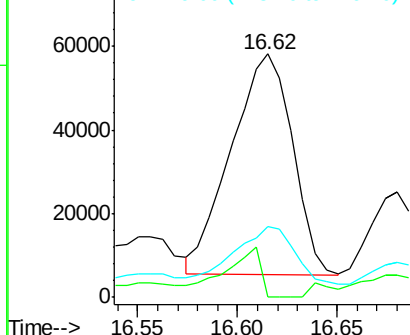
Tgt Ion:	278	Resp:	113263
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.0	18.0#
279	29.3	19.0	28.6#

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 30.287 ng

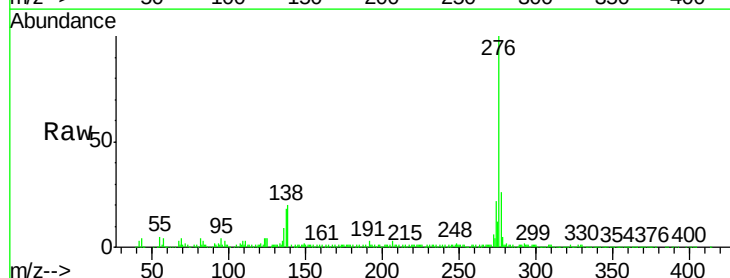
RT: 17.03 min Scan# 2541

Delta R.T. 0.01 min

Lab File: BF113780.D

Acq: 15 Apr 2019 23:26

Tgt Ion:	276	Resp:	421253
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.8	28.2
138	19.5	15.6	23.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

