

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113998.D
 Acq On : 26 Apr 2019 00:24
 Operator : JU/SJ
 Sample : K2203-17 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-042419-A

Manual Integrations
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Sohil
 4/29/2019 5:49:59 AM

Quant Time: Apr 26 06:49:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	112568	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	459887	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	251634	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	525191	20.00	ng	0.00
76) Chrysene-d12	14.05	240	380470	20.00	ng	-0.02
87) Perylene-d12	15.54	264	407591	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	123117	18.71	ng	0.00
7) Phenol-d6	6.51	99	169866	20.57	ng	-0.01
23) Nitrobenzene-d5	7.45	82	96474	12.95	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	59749	19.49	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	211156	13.12	ng	0.00
79) Terphenyl-d14	12.99	244	263542	14.20	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.44	178	115491	4.376	ng	98
75) Fluoranthene	12.63	202	215689	7.490	ng	97
78) Pyrene	12.86	202	179685	6.753	ng	97
81) Benzo(a)anthracene	14.04	228	87999	3.926	ng	99
83) Chrysene	14.08	228	74364	3.406	ng	98
86) Indeno(1,2,3-cd)pyrene	17.02	276	42953	2.077	ng	95
88) Benzo(b)fluoranthene	15.10	252	90876m	3.524	ng	
90) Benzo(a)pyrene	15.47	252	68926	3.090	ng	99

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

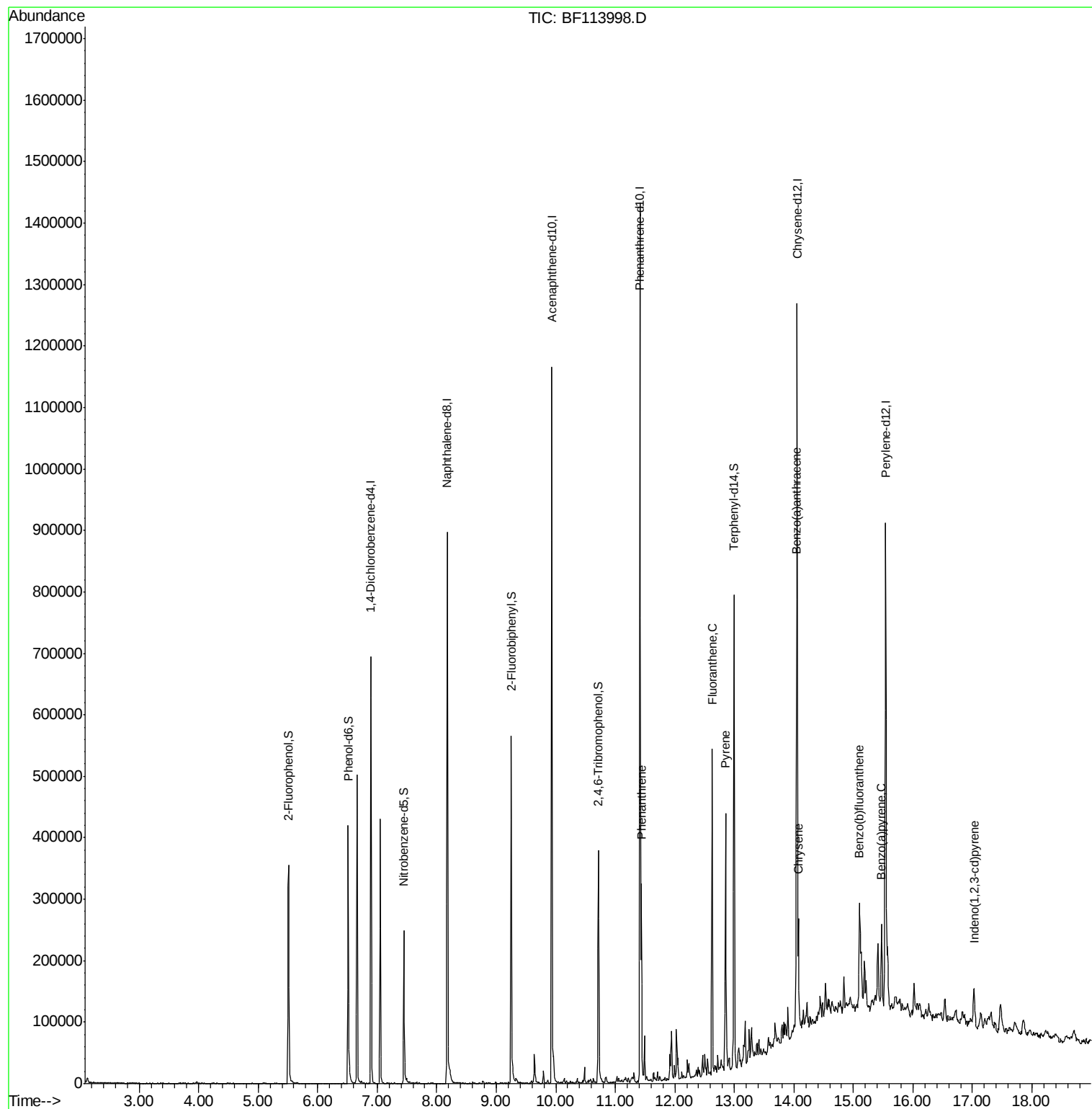
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
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ALS Vial : 25 Sample Multiplier: 1

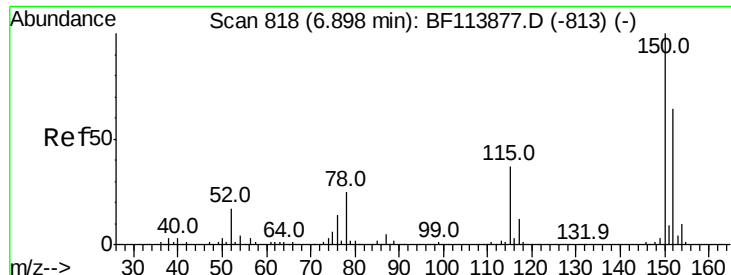
Instrument :
BNA_F
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SU-03-042419-A

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#1

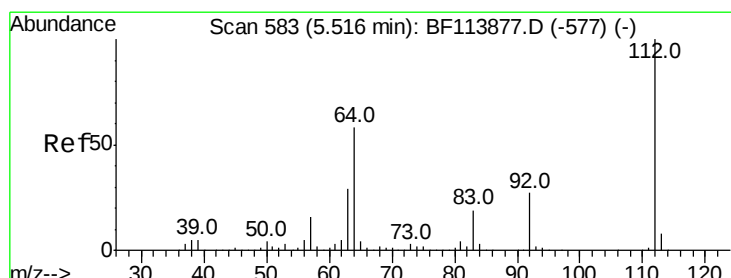
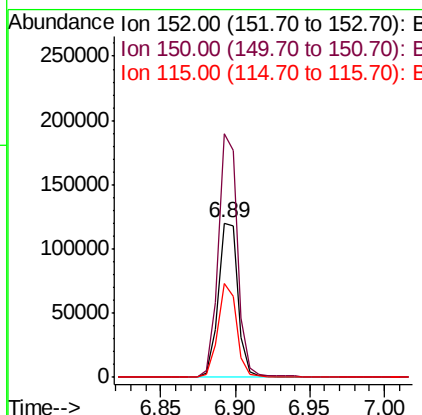
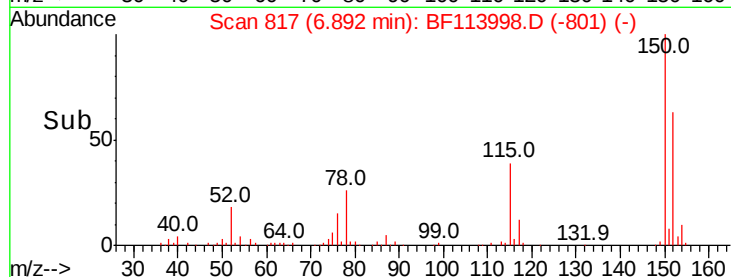
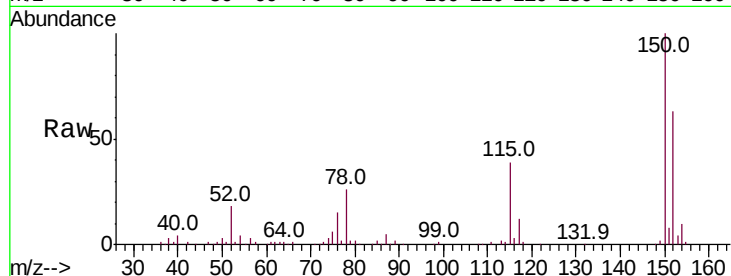
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.9	188.9
115	61.0	45.9	68.9

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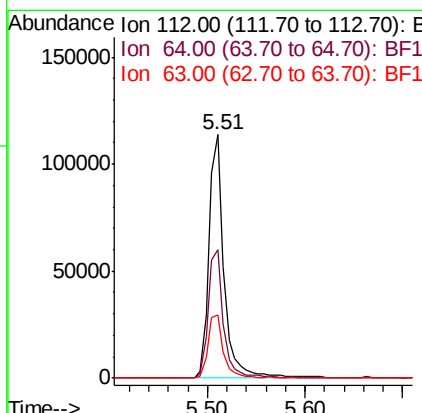
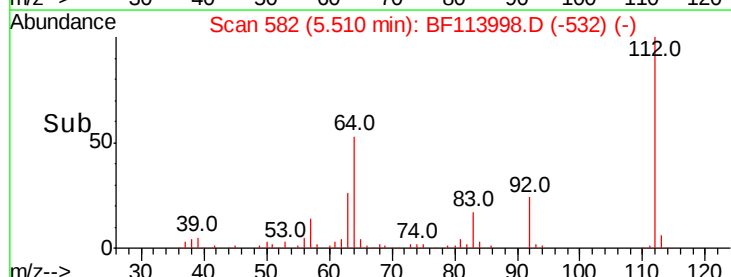
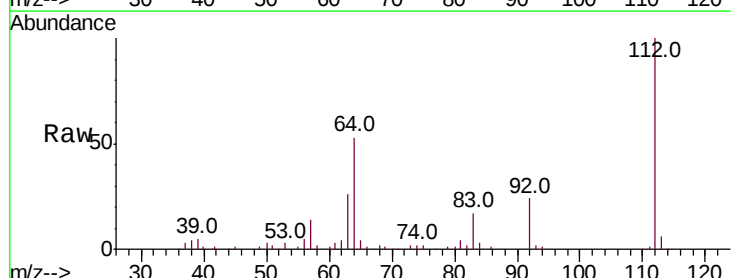
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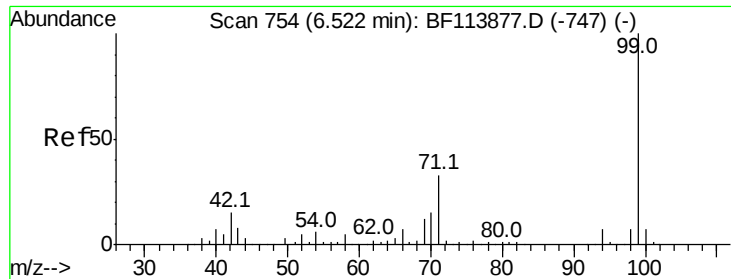


#5

2-Fluorophenol
Concen: 18.706 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.6	69.8
63	26.0	23.1	34.7





#7

Phenol-d6

Concen: 20.572 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Instrument :

BNA_F

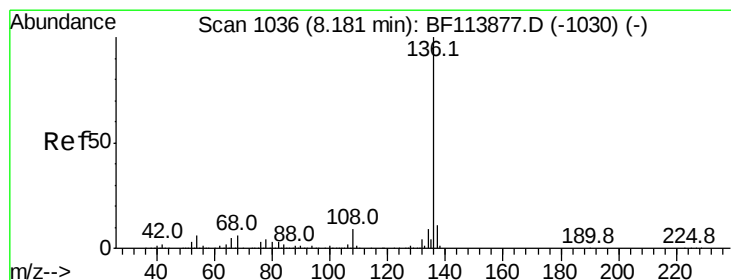
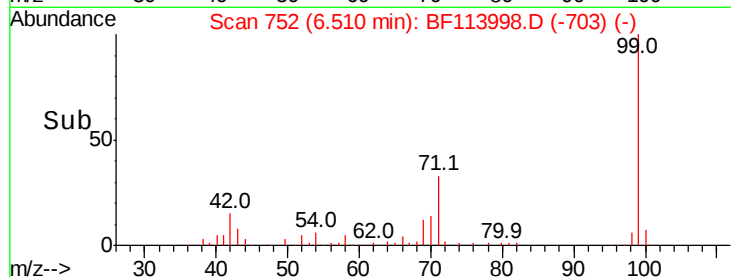
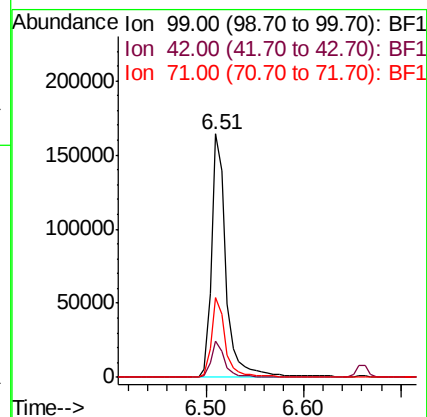
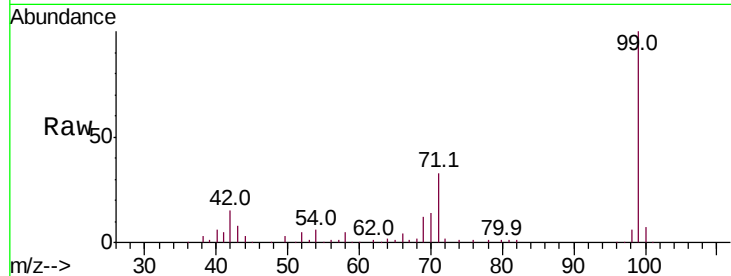
ClientSampleId :

SU-03-042419-A

Tot Ion:	99	Resp:	169866
Ion Ratio	Lower	Upper	
99	100		
42	14.6	12.5	18.7
71	32.9	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

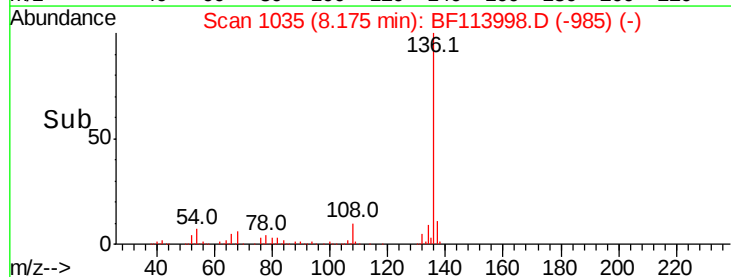
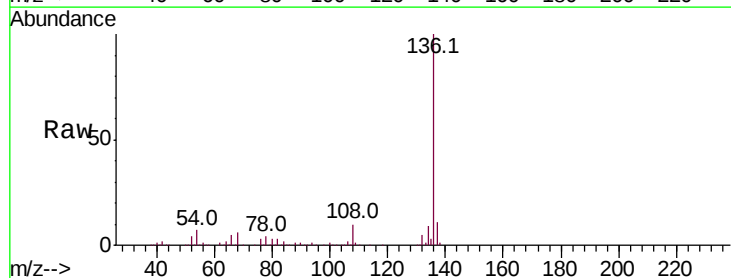
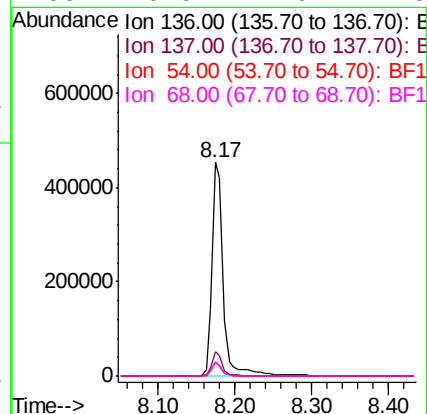
RT: 8.17 min Scan# 1035

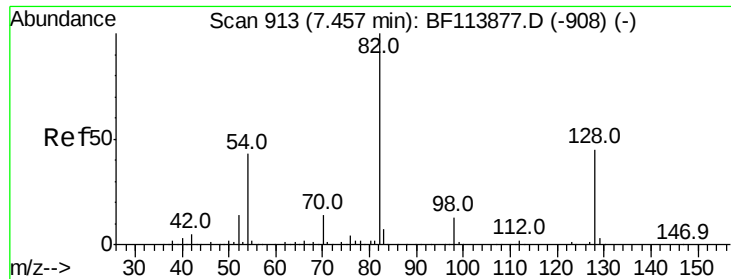
Delta R.T. -0.01 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Tgt Ion:	136	Resp:	459887
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.6	12.8
54	6.7	5.0	7.6
68	6.5	4.9	7.3





#23

Nitrobenzene-d5

Concen: 12.952 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Instrument :

BNA_F

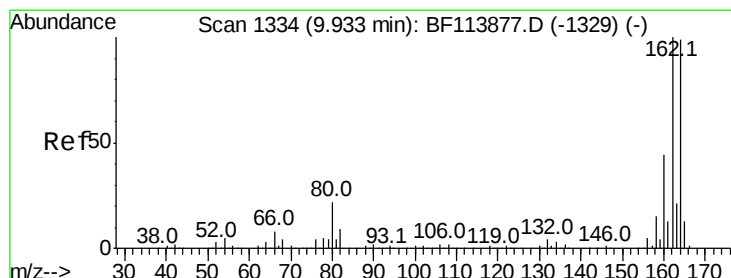
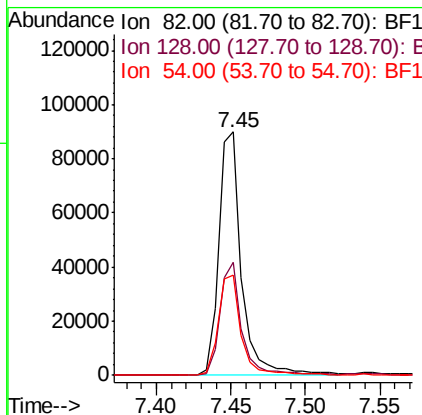
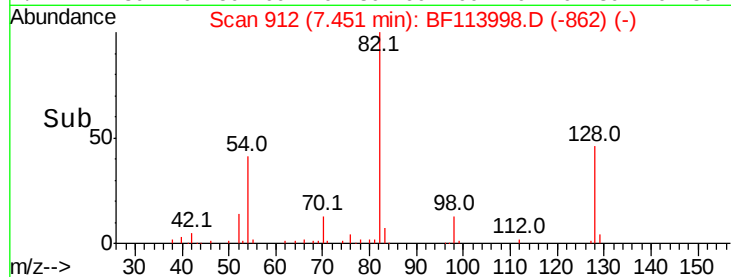
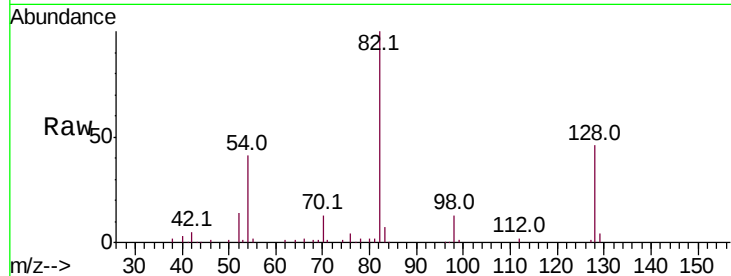
ClientSampleId :

SU-03-042419-A

Tot Ion:	82	Resp:	96474
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.8	55.2
54	41.4	33.8	50.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

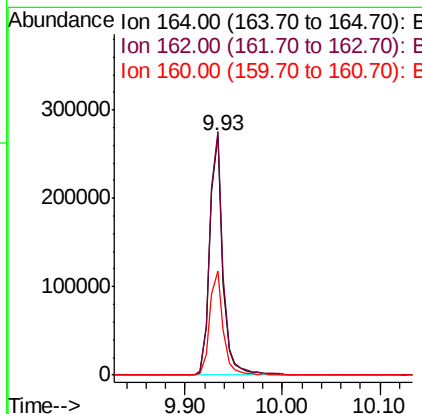
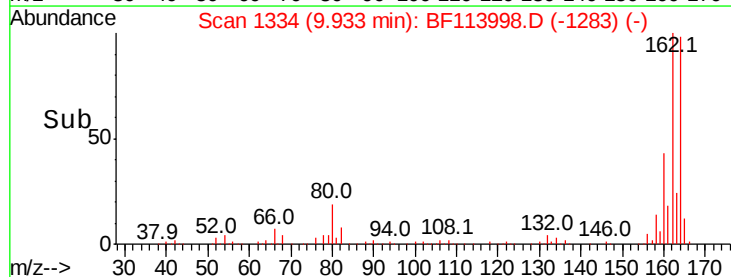
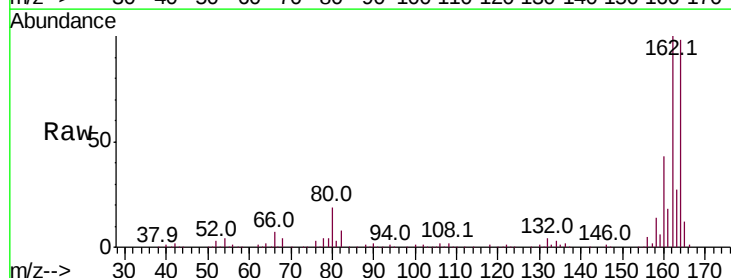
RT: 9.93 min Scan# 1334

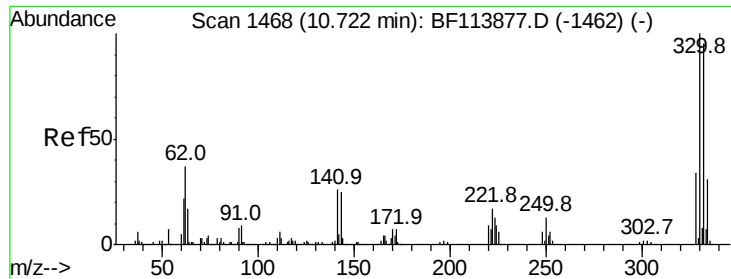
Delta R.T. 0.00 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Tgt Ion:	164	Resp:	251634
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.1	121.7
160	43.6	35.8	53.6





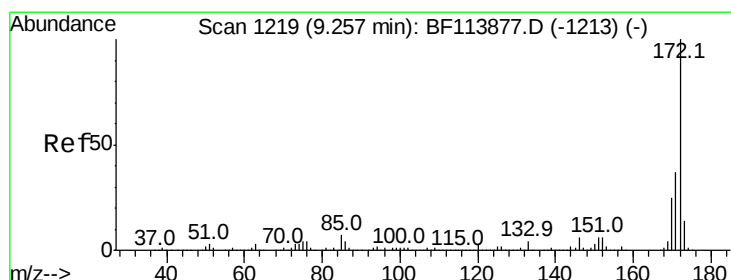
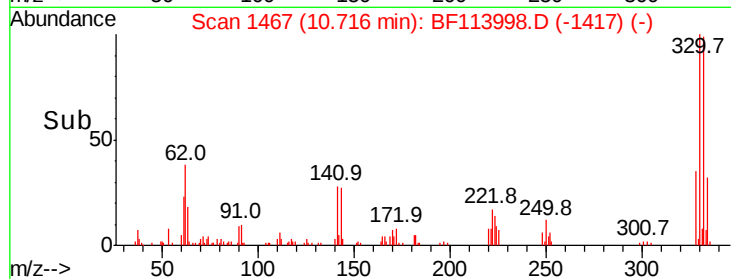
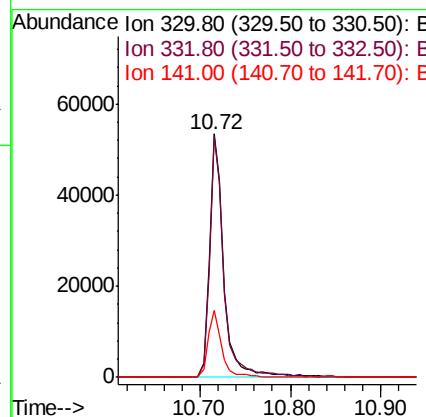
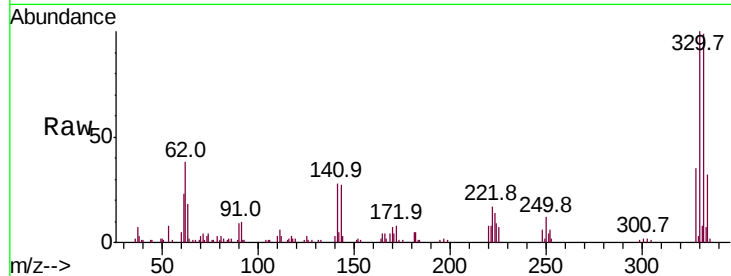
#42
 2,4,6-Tribromophenol
 Concen: 19.491 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113998.D
 Acq: 26 Apr 2019 00:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-042419-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.5	116.3
141	26.1	22.2	33.2

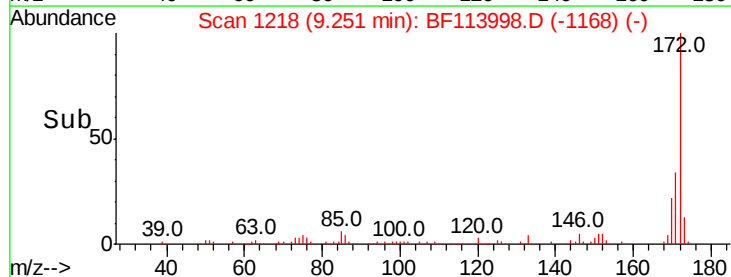
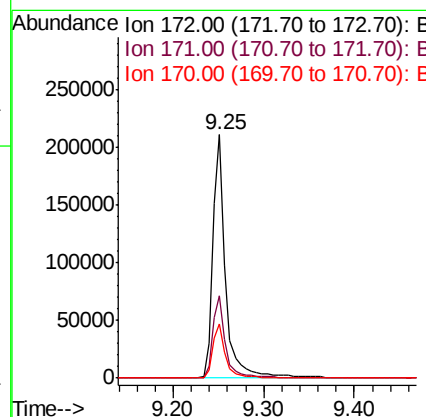
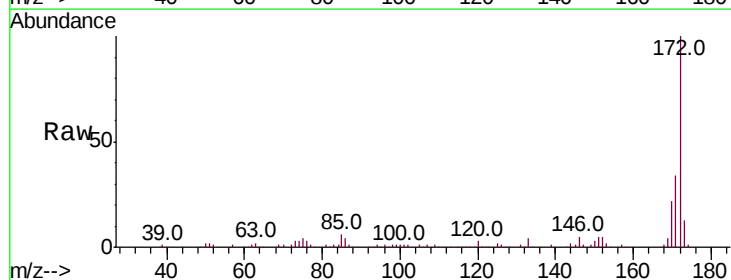
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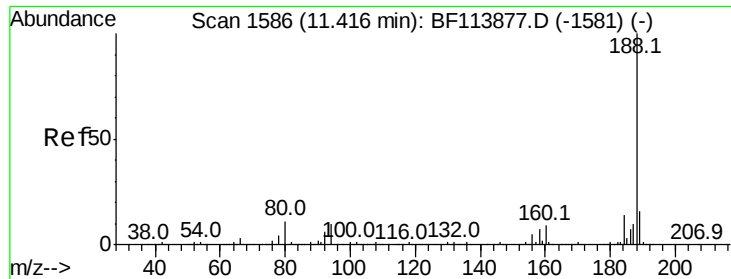
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#45
 2-Fluorobiphenyl
 Concen: 13.124 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113998.D
 Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.4	44.0
170	22.2	19.9	29.9





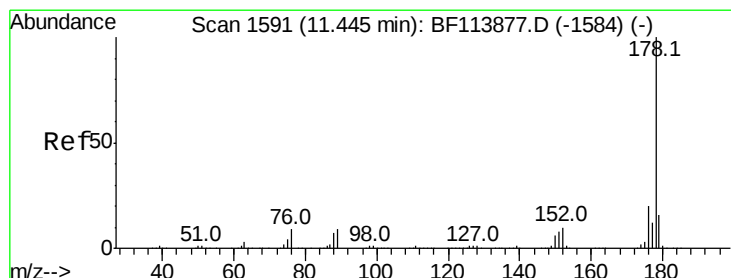
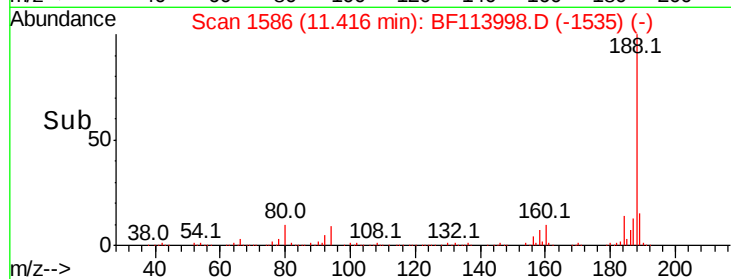
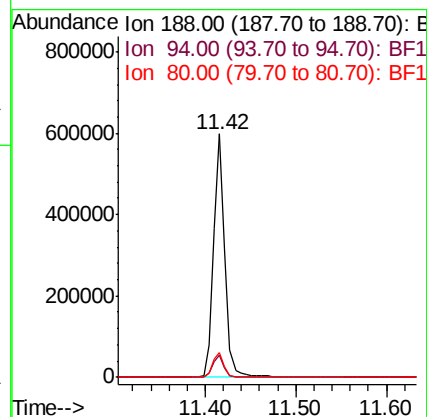
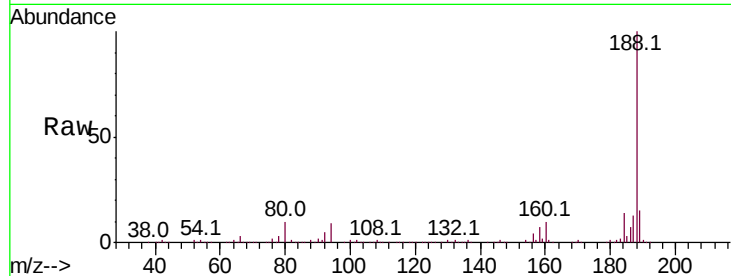
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113998.D
 Acq: 26 Apr 2019 00:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-042419-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.2	12.4
80	10.1	9.0	13.6

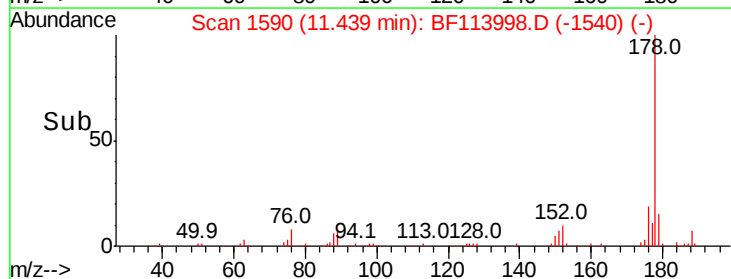
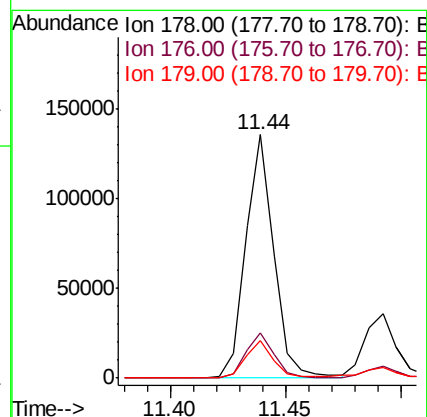
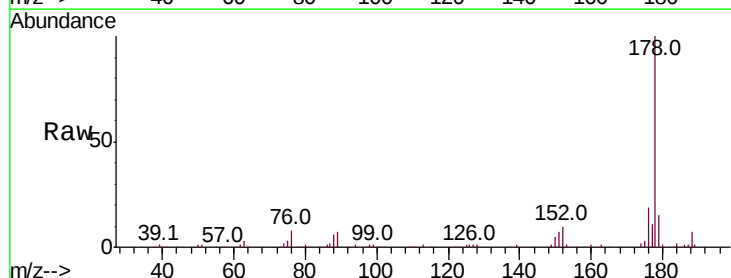
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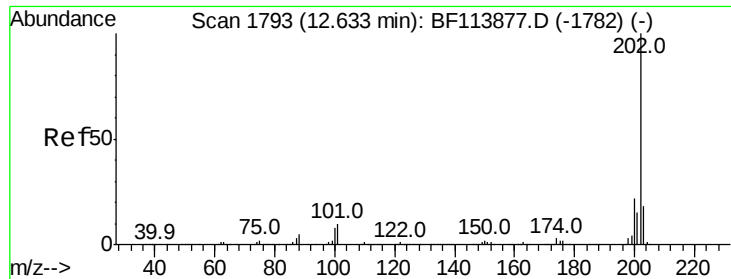
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#71
 Phenanthrene
 Concen: 4.376 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113998.D
 Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.1	24.1
179	15.2	12.8	19.2





#75

Fluoranthene

Concen: 7.490 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Instrument :

BNA_F

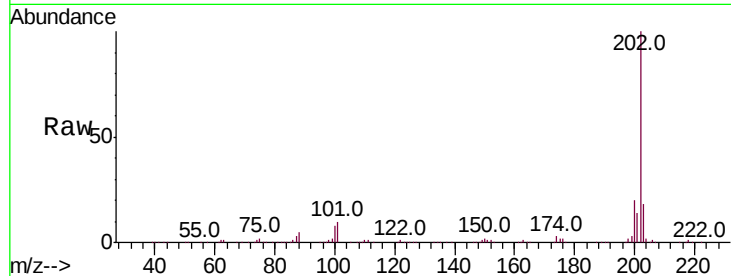
ClientSampleId :

SU-03-042419-A

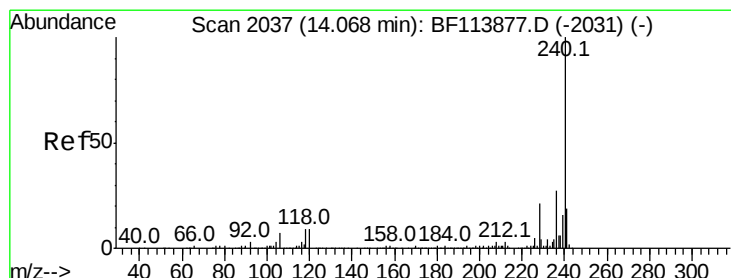
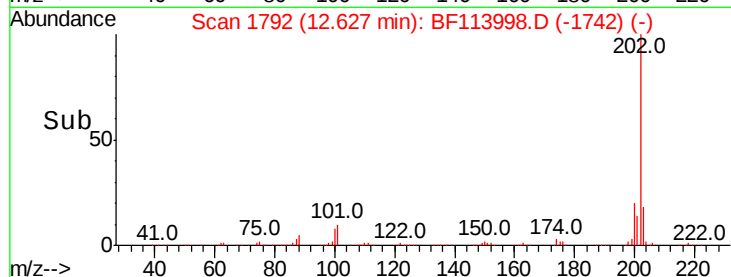
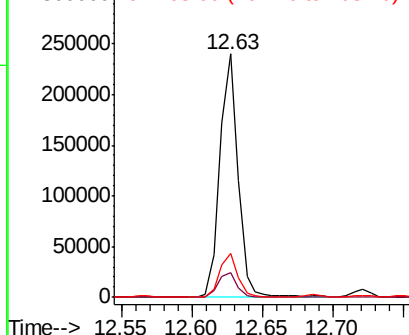
Tot Ion	Ratio	Resp	Lower	Upper
202	100	215689		
101	10.4	0.0	32.9	
203	17.8	0.0	38.2	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

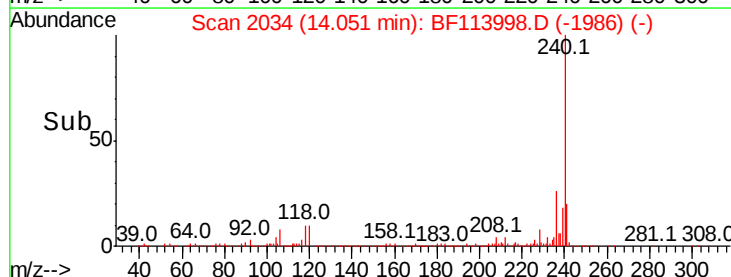
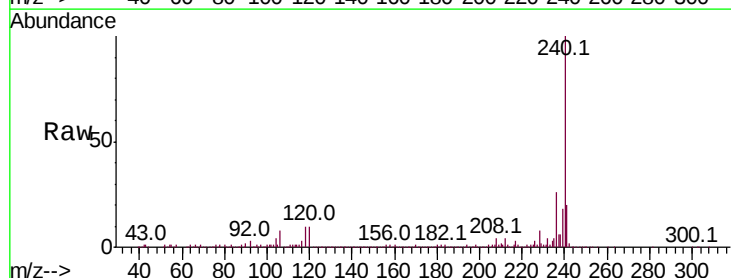
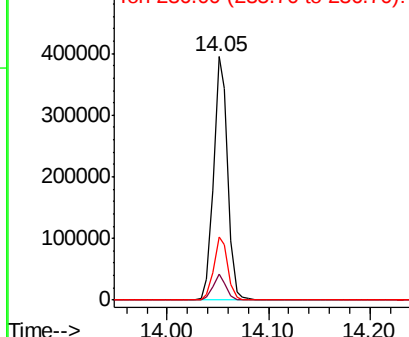
Delta R.T. -0.02 min

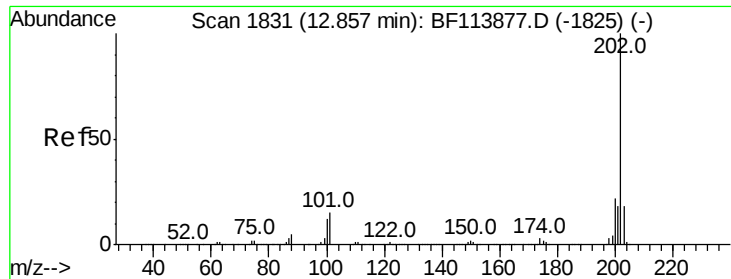
Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	380470		
120	10.5	9.3	13.9	
236	26.2	21.2	31.8	

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





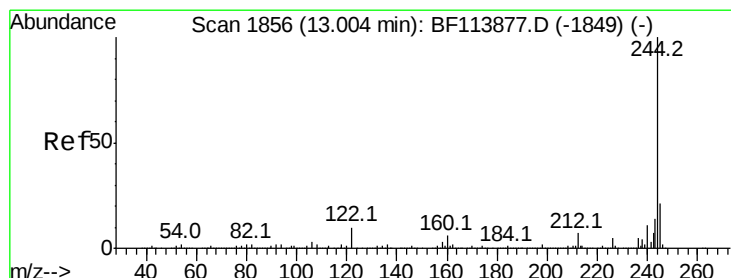
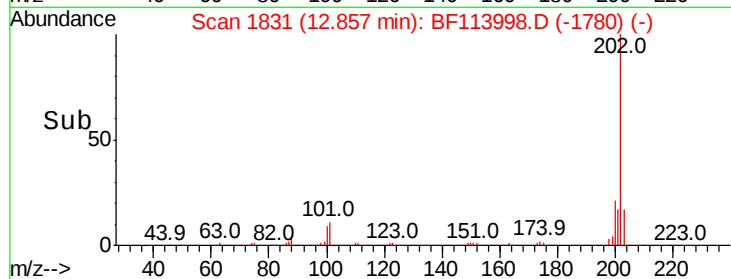
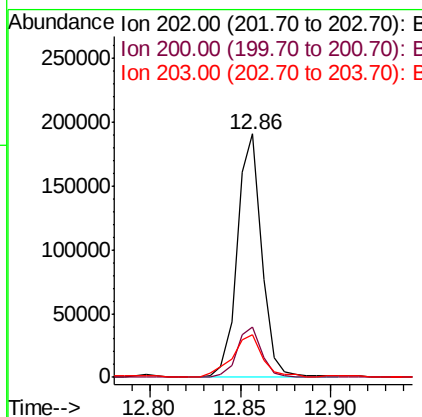
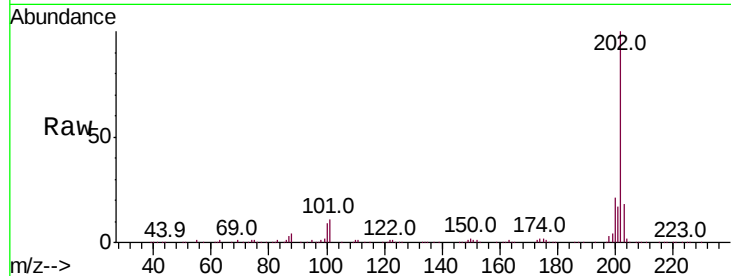
#78
Pvrene
Concen: 6.753 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.5	15.0	22.6

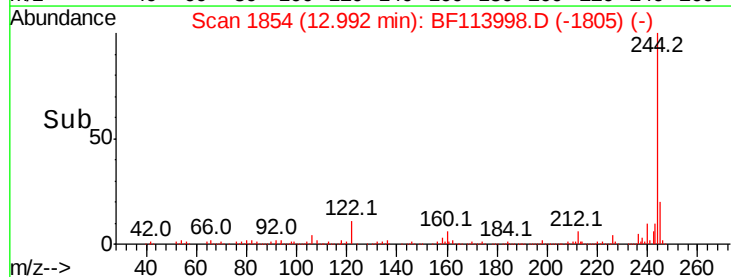
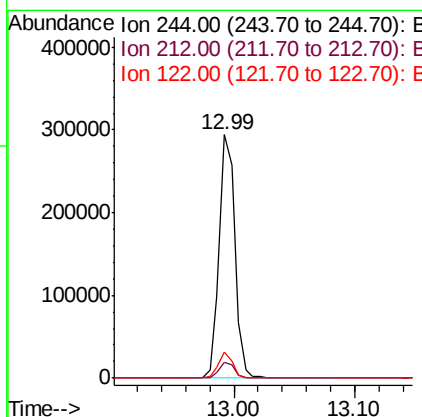
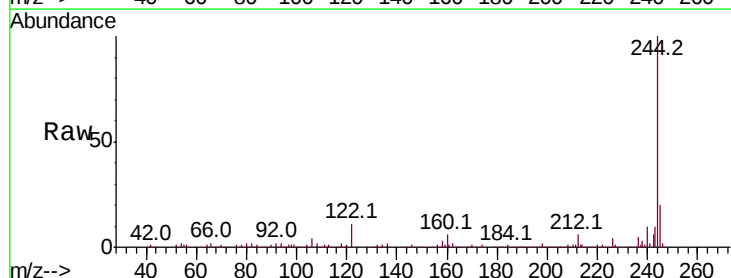
Manual Integrations
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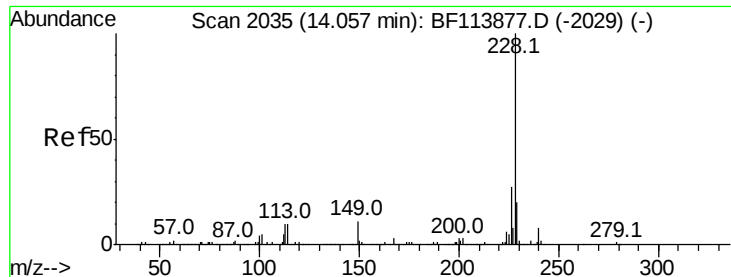
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#79
Terphenyl-d14
Concen: 14.201 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.7	7.6	11.4





#81

Benzo(a)anthracene

Concen: 3.926 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Instrument :

BNA_F

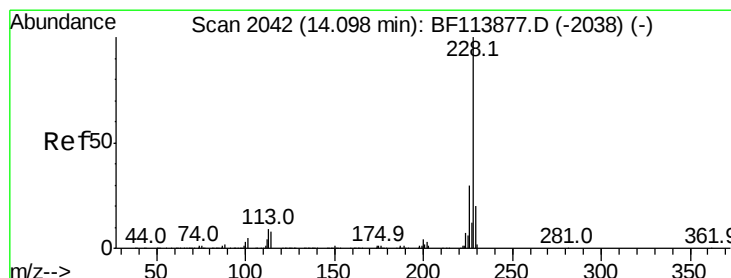
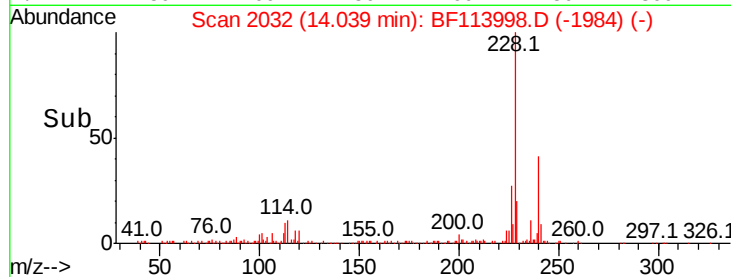
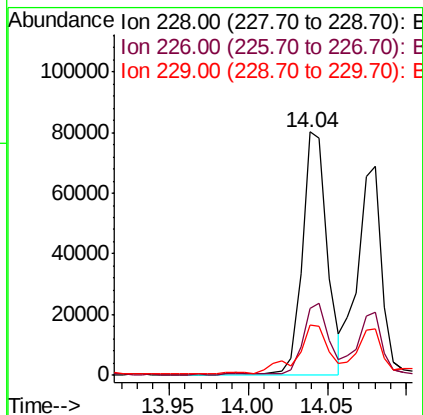
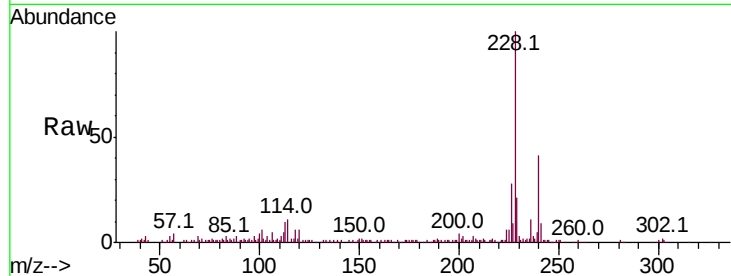
ClientSampleId :

SU-03-042419-A

Tot Ion:	228	Resp:	87999
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.2	33.2
229	20.7	16.0	24.0

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#83

Chrysene

Concen: 3.406 ng

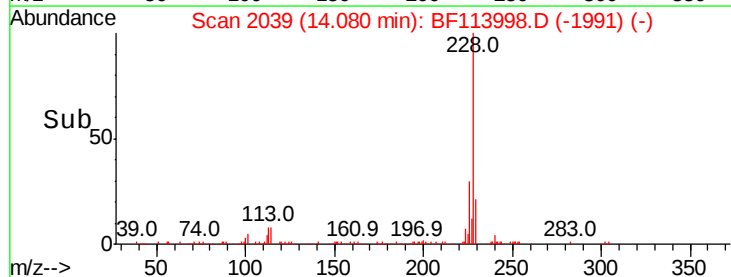
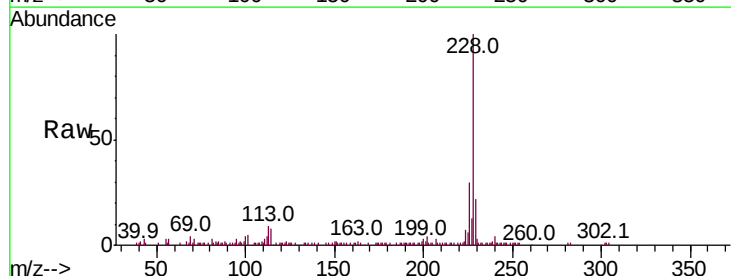
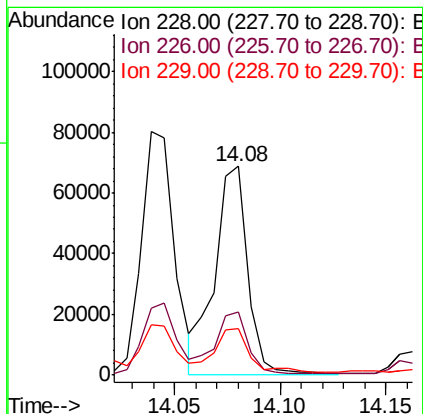
RT: 14.08 min Scan# 2039

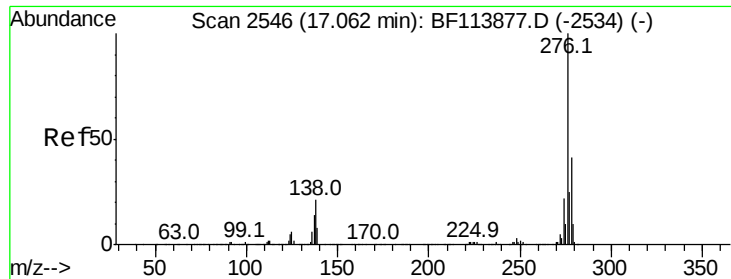
Delta R.T. -0.02 min

Lab File: BF113998.D

Acq: 26 Apr 2019 00:24

Tgt Ion:	228	Resp:	74364
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.2	37.8
229	22.0	16.7	25.1





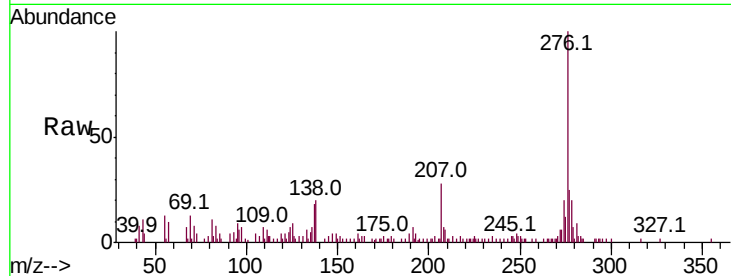
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.077 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.6	29.4
277	24.6	20.2	30.4

Manual Integrations
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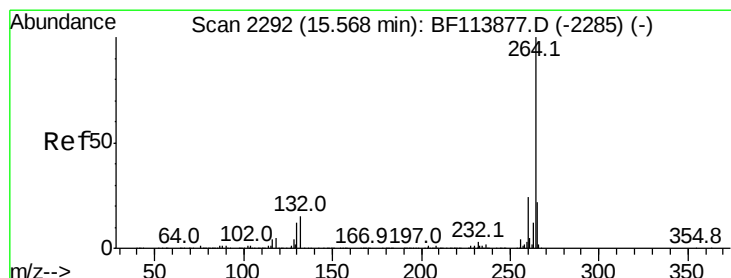
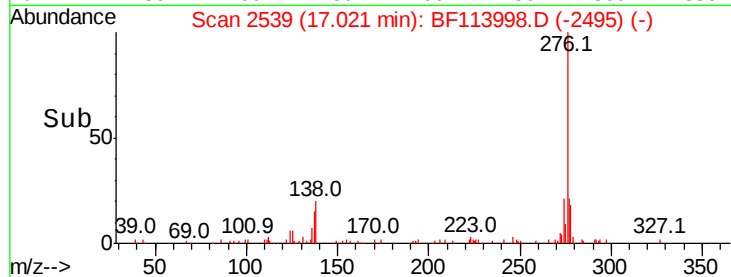
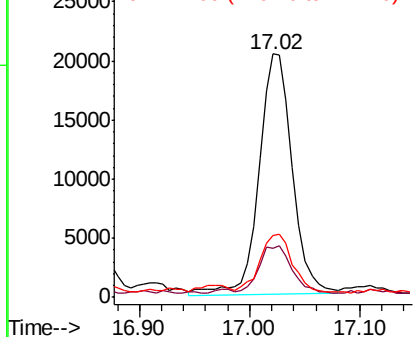


Abundance

Ion 276.00 (275.70 to 276.70): E

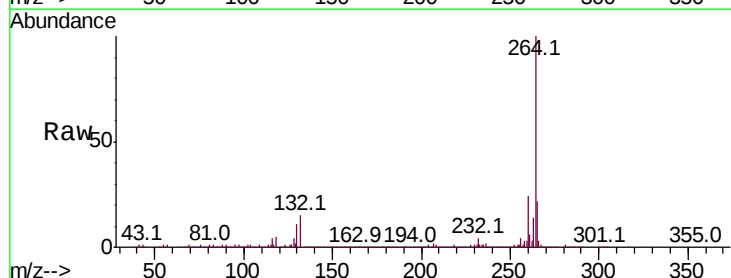
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.02 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.8	17.3	25.9

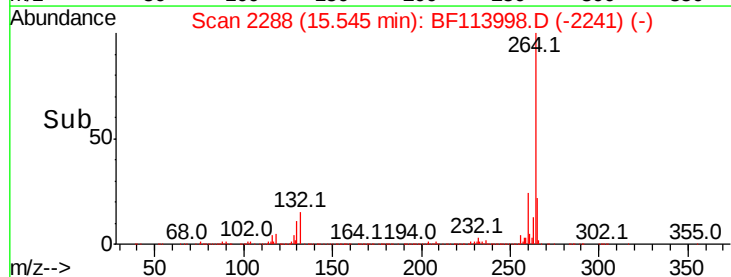
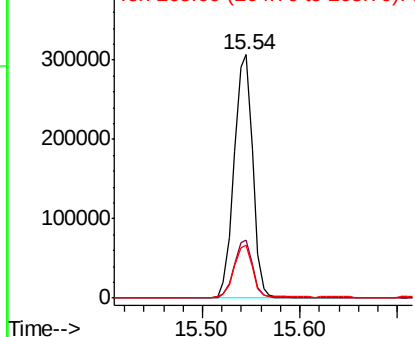


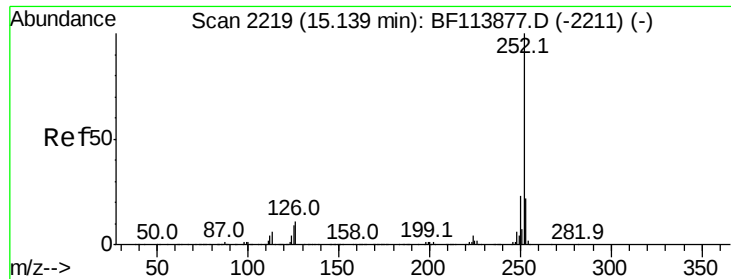
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





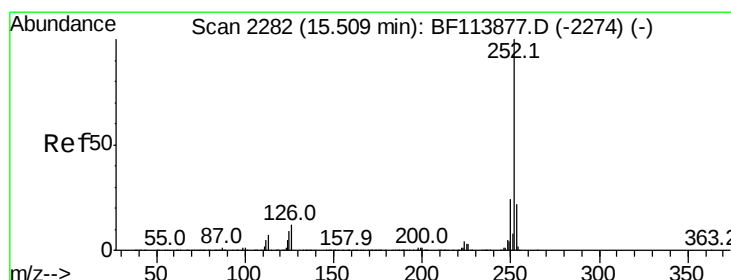
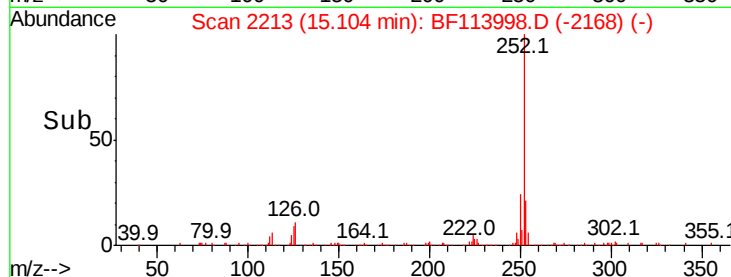
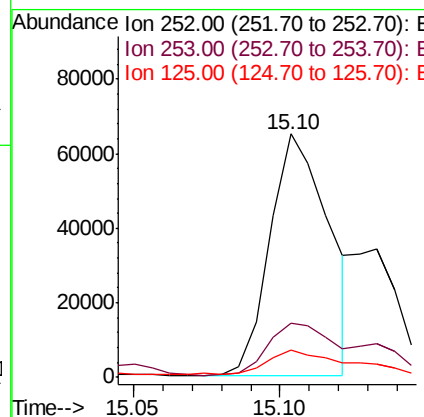
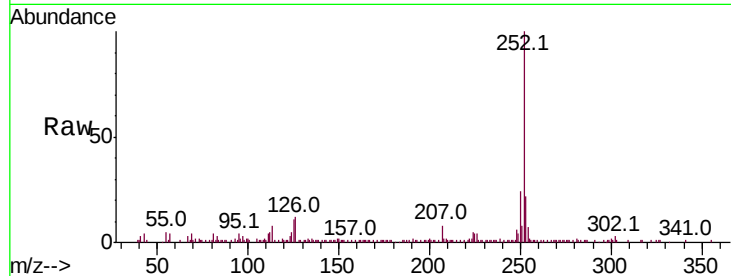
#88
Benzo(b)fluoranthene
Concen: 3.524 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Instrument :
BNA_F
ClientSampleId :
SU-03-042419-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.0	7.0	10.6

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 3.090 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF113998.D
Acq: 26 Apr 2019 00:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.8	8.5	12.7

