

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111400.D
 Acq On : 14 Dec 2018 6:12
 Operator : JU/SJ
 Sample : J6214-23DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)DL

Manual Integrations
 APPROVED

Quant Time: Dec 14 07:27:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	234019	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1087920	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	432038	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	622201	20.00	ng	0.00
76) Chrysene-d12	13.95	240	438633	20.00	ng	-0.01
87) Perylene-d12	15.39	264	334864	20.00	ng	0.00

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System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	297591	21.50	ng	0.00
7) Phenol-d6	6.43	99	392896	21.06	ng	0.00
23) Nitrobenzene-d5	7.35	82	257348	13.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	55912	14.68	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	404979	15.05	ng	0.00
79) Terphenyl-d14	12.89	244	262853	13.19	ng	-0.01

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Target Compounds

						Qvalue
52) Acenaphthene	9.86	154	63386	2.437	ng	100
58) Fluorene	10.37	166	59669	2.221	ng	99
71) Phenanthrene	11.33	178	914211	28.427	ng	94
72) Anthracene	11.39	178	209945	6.411	ng	94
75) Fluoranthene	12.52	202	1042890	33.218	ng	98
78) Pyrene	12.75	202	1000930	29.567	ng	95
81) Benzo(a)anthracene	13.94	228	389381	15.866	ng	99
83) Chrysene	13.97	228	377031	15.058	ng	97
86) Indeno(1,2,3-cd)pyrene	16.79	276	134752	6.881	ng	92
88) Benzo(b)fluoranthene	14.97	252	329517m	17.305	ng	
89) Benzo(k)fluoranthene	15.00	252	128605m	6.766	ng	
90) Benzo(a)pyrene	15.32	252	243989	13.762	ng	97
91) Dibenzo(a,h)anthracene	16.80	278	34496	2.339	ng	96
92) Benzo(g,h,i)perylene	17.22	276	128201	8.693	ng	100

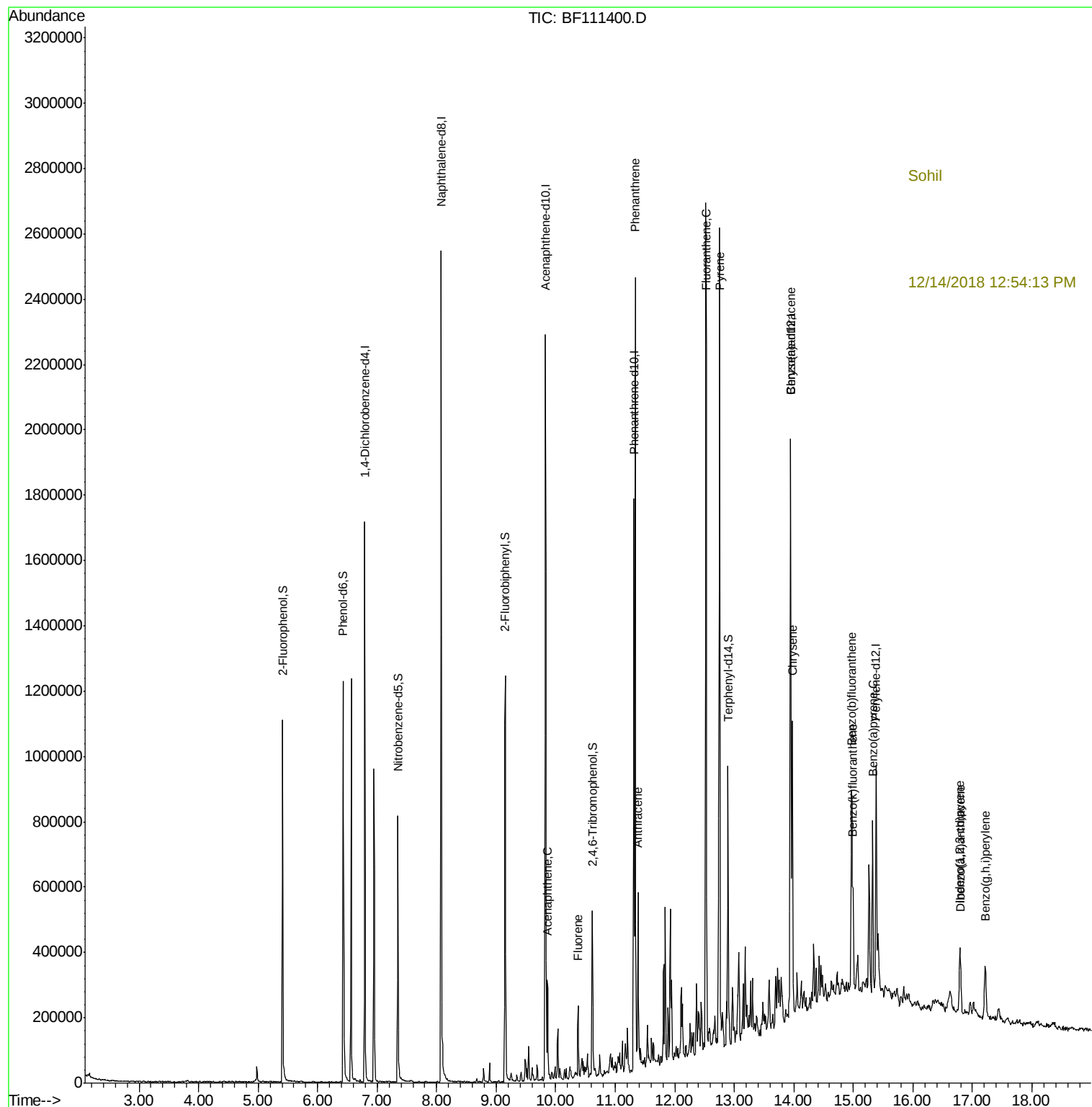
(#) = qualifier out of range (m) = manual integration (+) = signals summed

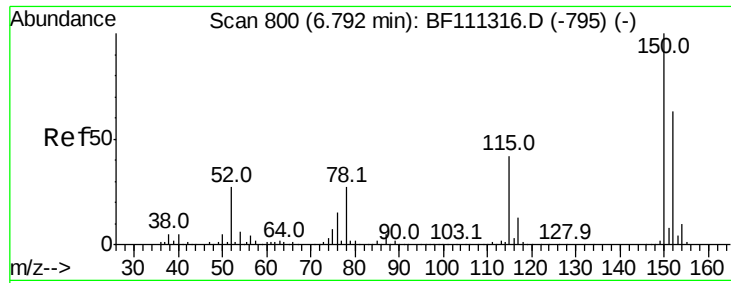
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





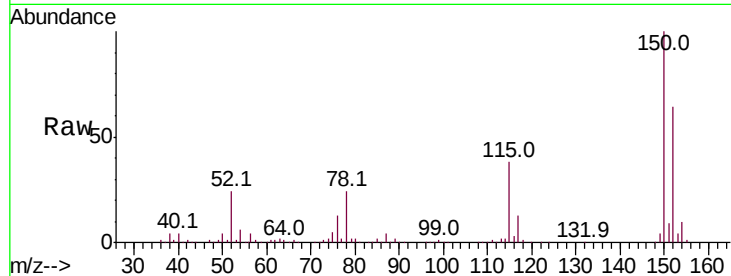
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.6	189.8
115	59.1	50.7	76.1

Manual Integrations
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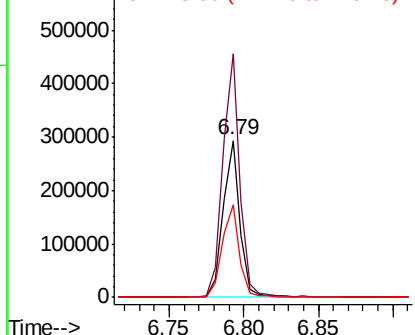
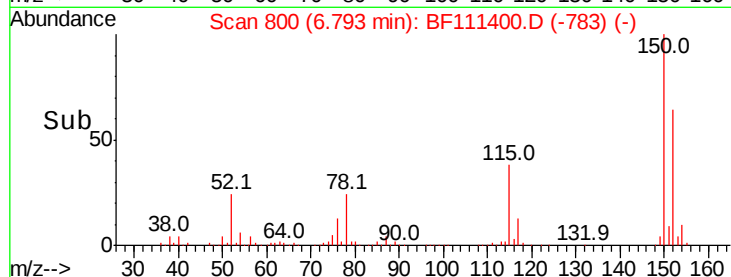


Abundance

Ion 152.00 (151.70 to 152.70): E

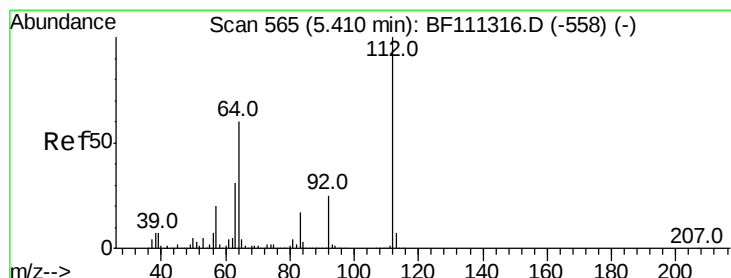
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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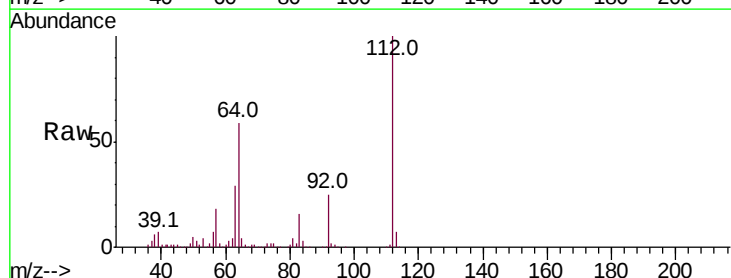
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#5

2-Fluorophenol
Concen: 21.504 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	51.8	77.6
63	29.3	26.8	40.2

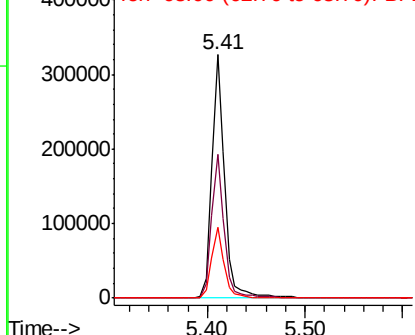
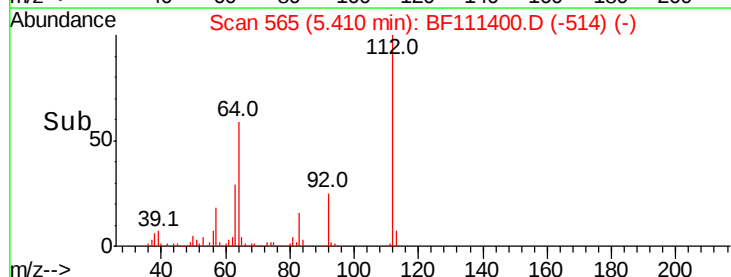


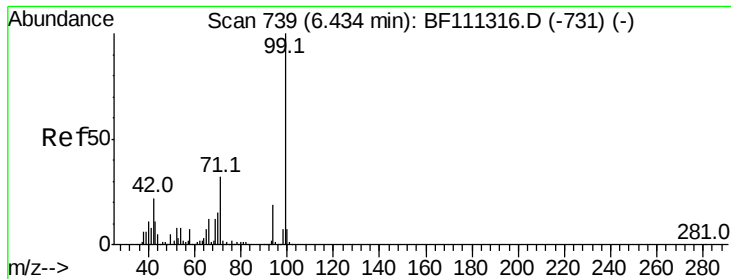
Abundance

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: 21.057 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111400.D

Acq: 14 Dec 2018 6:12

Instrument :

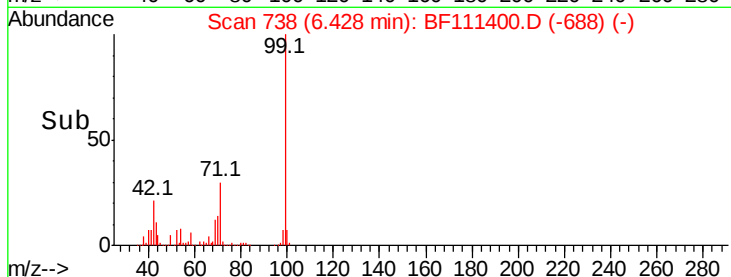
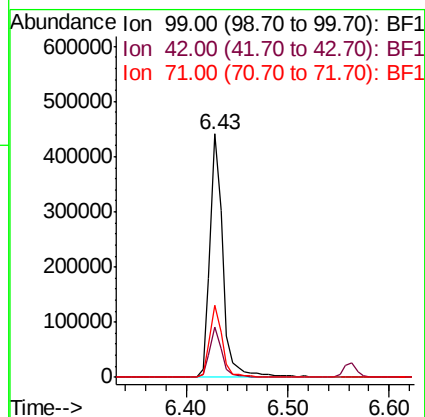
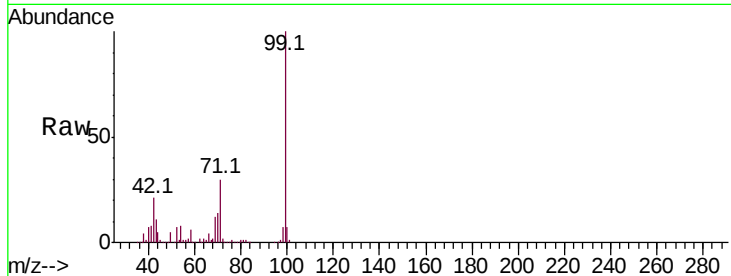
BNA_F

ClientSampled :

SB-3(0-2)DL

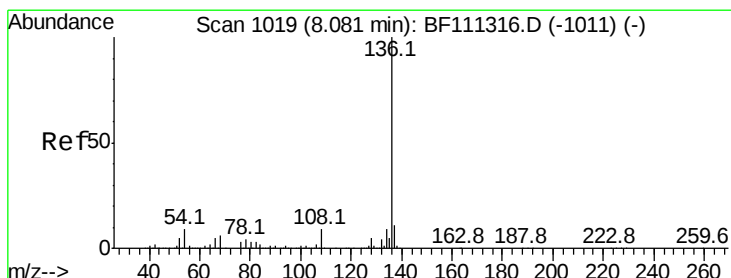
Tot Ion:	99	Resp:	392896
Ion Ratio	Lower	Upper	
99	100		
42	20.6	17.4	26.0
71	29.7	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

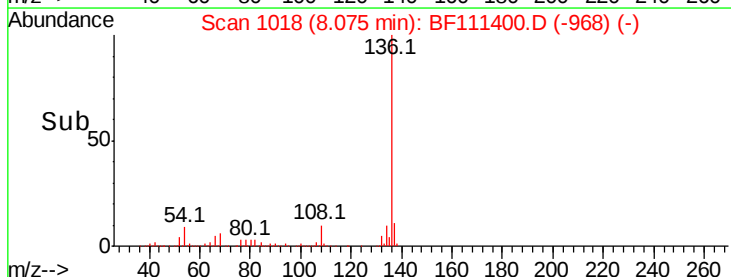
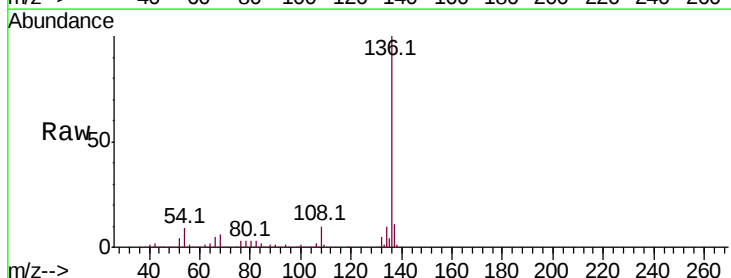
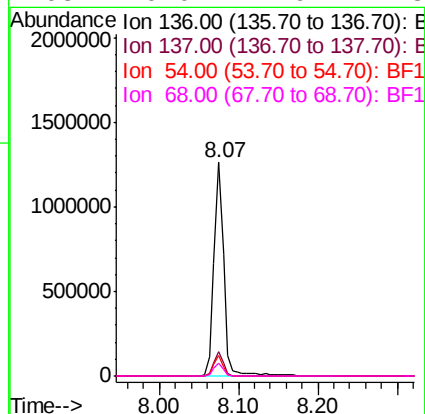
RT: 8.07 min Scan# 1018

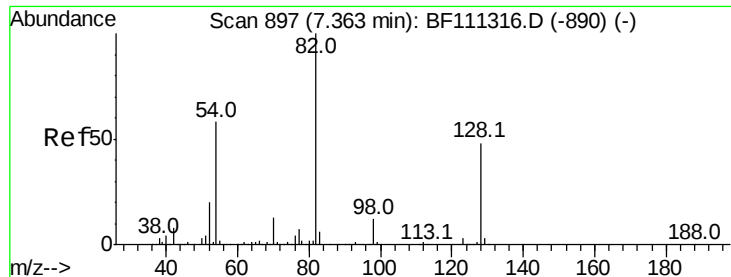
Delta R.T. -0.01 min

Lab File: BF111400.D

Acq: 14 Dec 2018 6:12

Tgt Ion:	136	Resp:	1087920
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	9.4	7.7	11.5
68	6.0	4.9	7.3



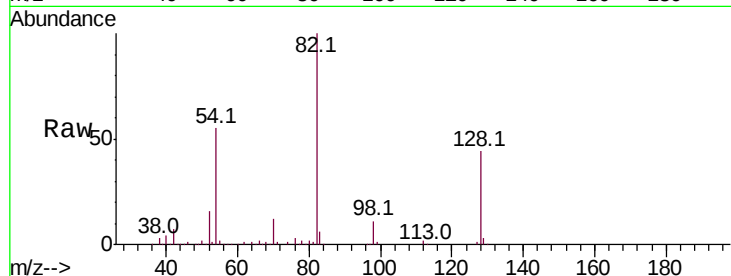


#23
Nitrobenzene-d5
Concen: 13.333 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampled :
SB-3(0-2)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	37.4	56.2
54	55.4	47.6	71.4

Manual Integrations
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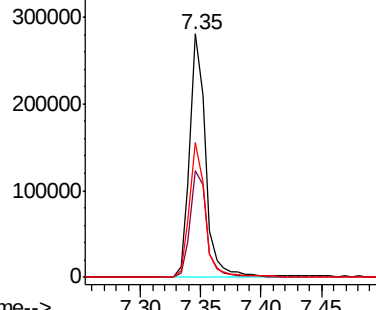


Abundance

Ion 82.00 (81.70 to 82.70): BF1

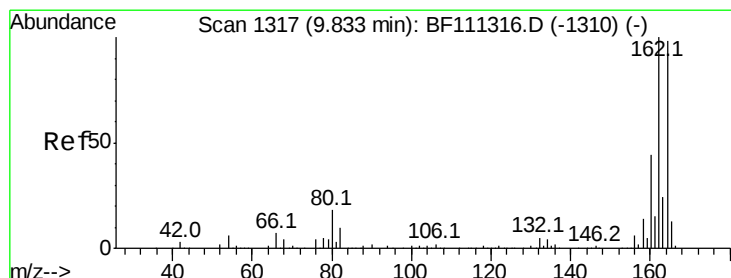
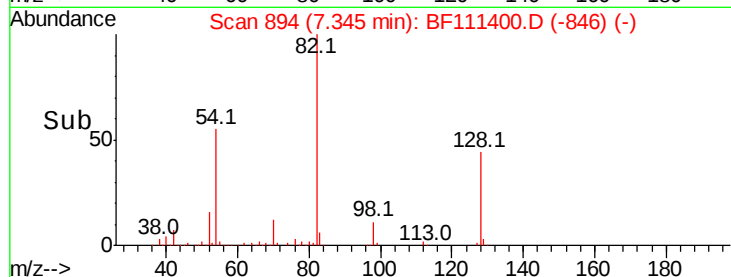
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



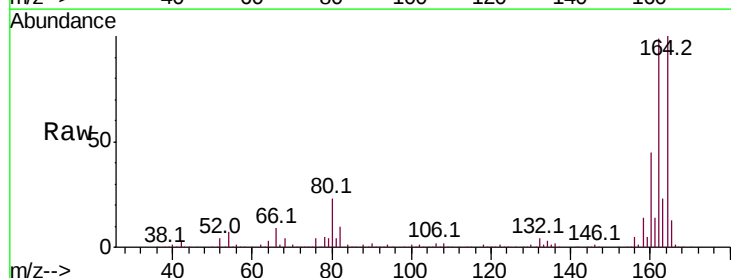
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.4	122.0
160	44.6	35.7	53.5

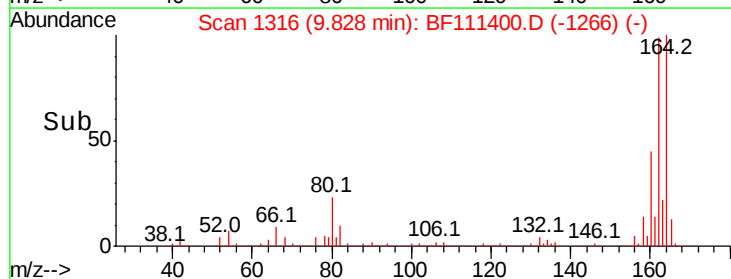
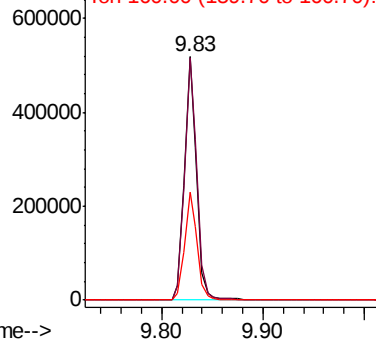


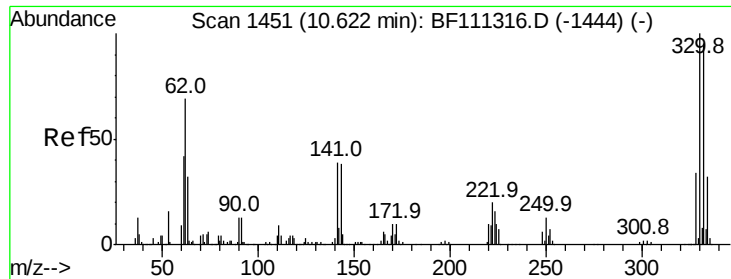
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1



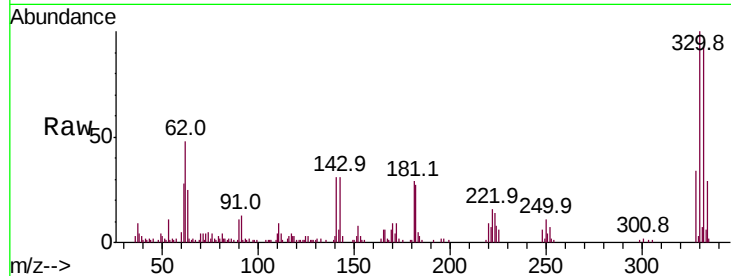


#42
 2,4,6-Tribromophenol
 Concen: 14.681 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111400.D
 Acq: 14 Dec 2018 6:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.0	114.0
141	40.6	31.0	46.6

Manual Integrations
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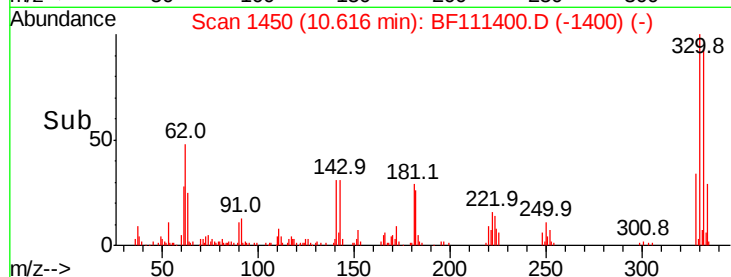
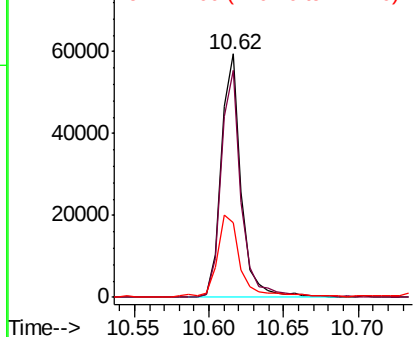


Abundance

Ion 329.80 (329.50 to 330.50): E

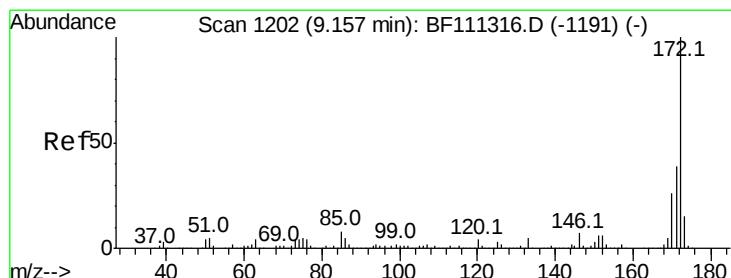
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



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#45
 2-Fluorobiphenyl
 Concen: 15.049 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111400.D
 Acq: 14 Dec 2018 6:12

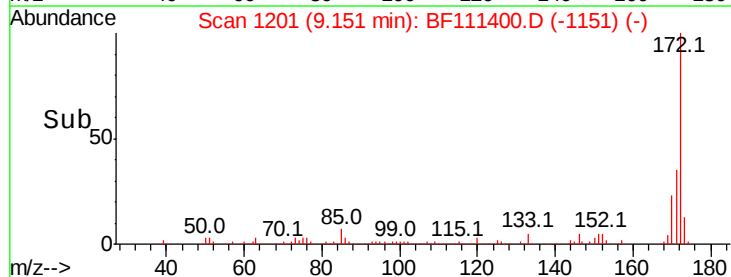
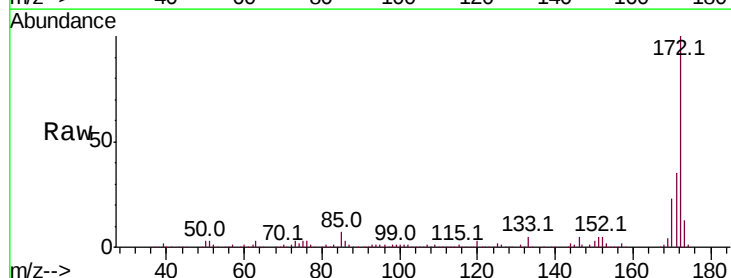
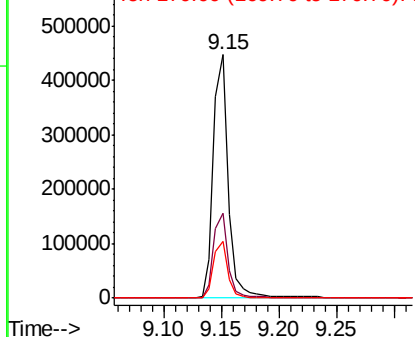
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	33.0	49.4
170	23.4	22.3	33.5

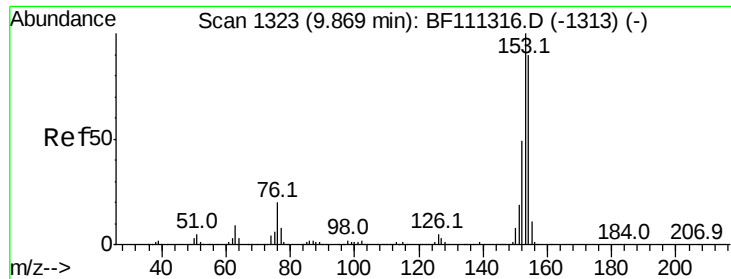
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 2.437 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111400.D

Acq: 14 Dec 2018 6:12

Instrument :

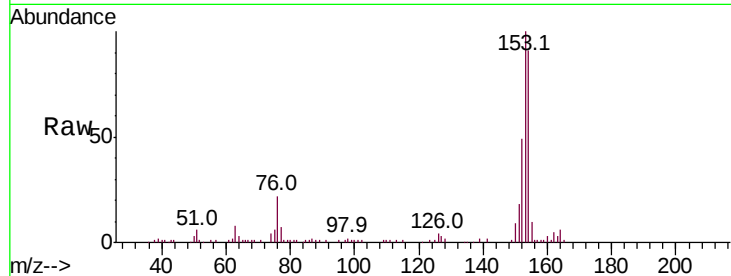
BNA_F

ClientSampled :

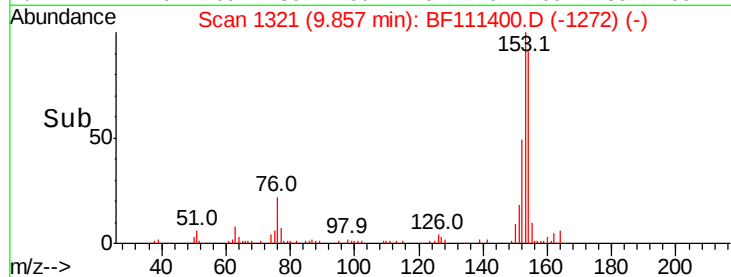
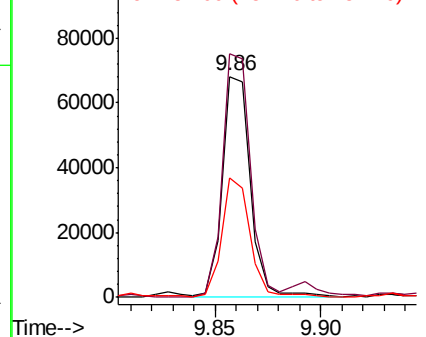
SB-3(0-2)DL

Tot Ion:	154	Resp:	63386
Ion Ratio	Lower	Upper	
154	100		
153	110.2	87.8	131.8
152	54.1	43.4	65.2

Manual Integrations
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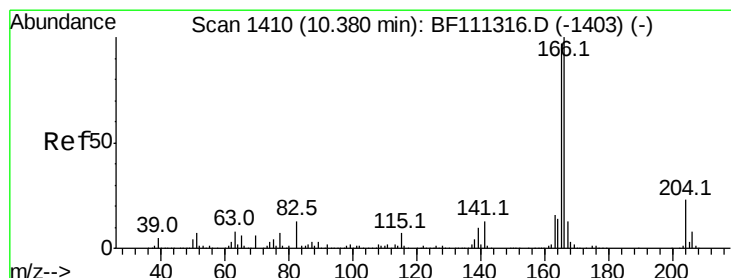


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



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#58

Fluorene

Concen: 2.221 ng

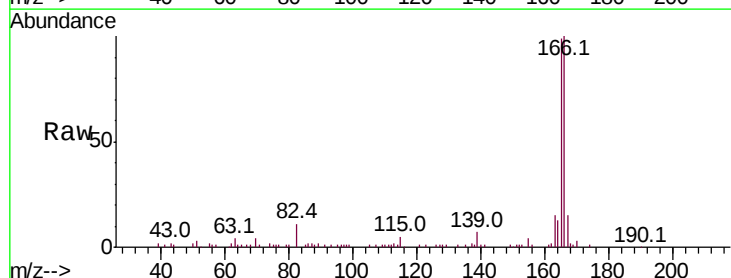
RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

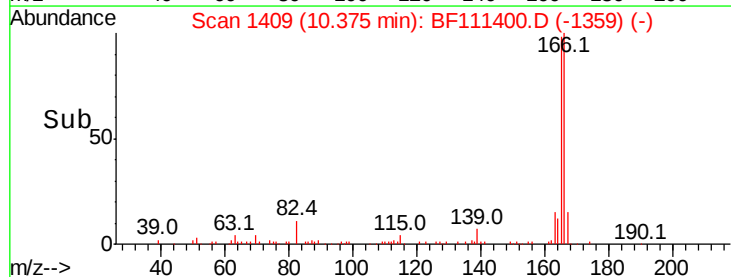
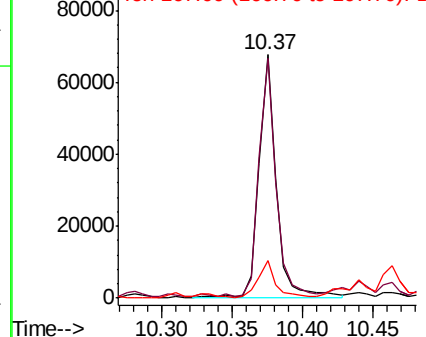
Lab File: BF111400.D

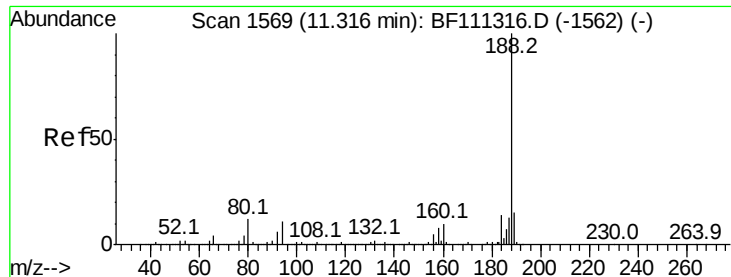
Acq: 14 Dec 2018 6:12

Tgt Ion:	166	Resp:	59669
Ion Ratio	Lower	Upper	
166	100		
165	98.6	78.4	117.6
167	15.4	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



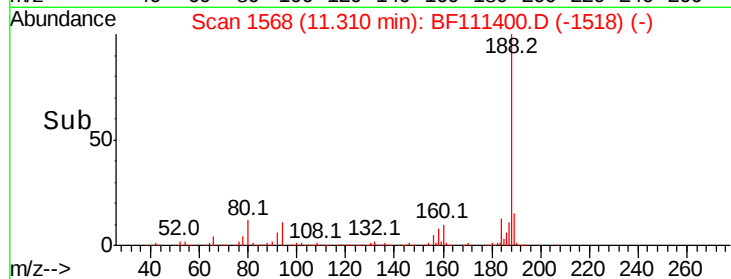
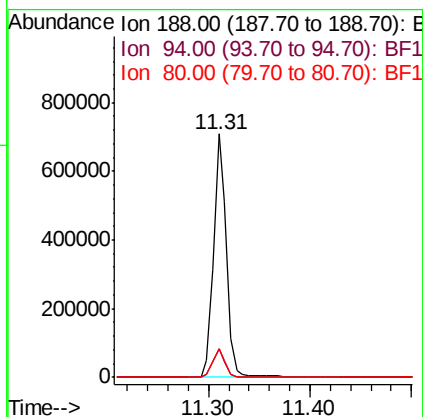
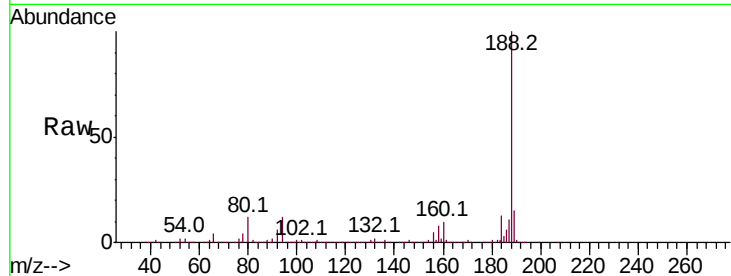


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampled :
SB-3(0-2)DL

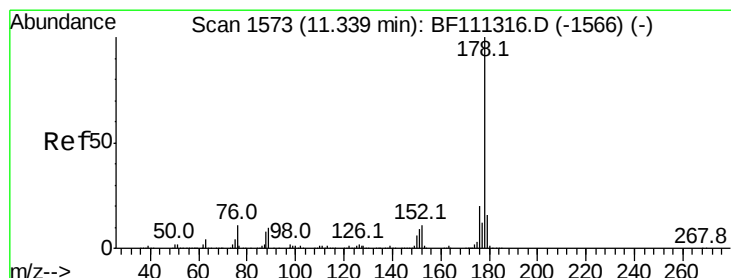
Tot Ion	Ratio	Resp	Lower	Upper
188	100	622201		
94	11.5		9.6	14.4
80	12.0		9.8	14.6

Manual Integrations
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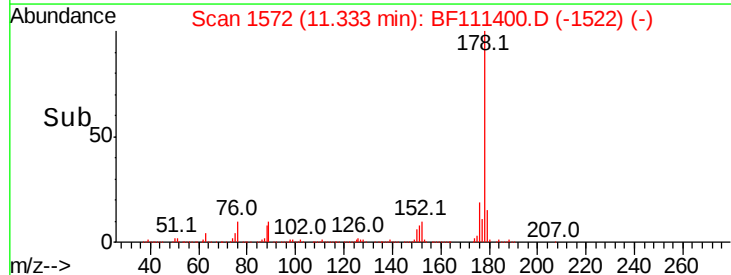
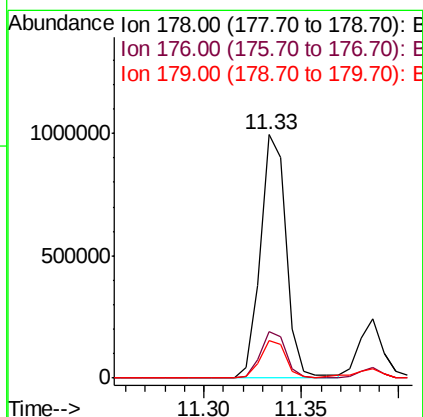
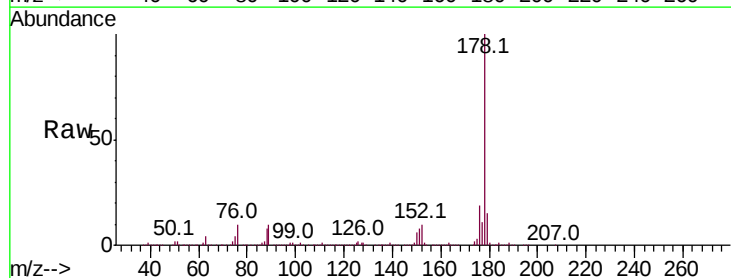
Sohil

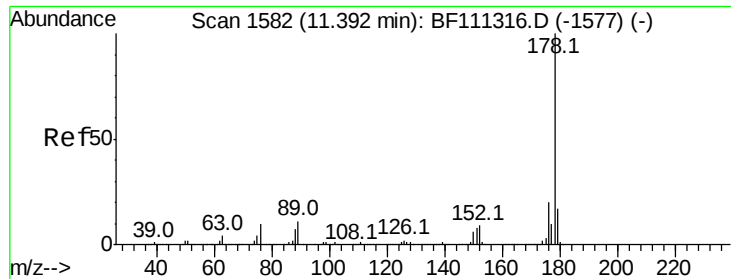
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#71
Phenanthrene
Concen: 28.427 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	914211		
176	19.3		18.1	27.1
179	15.5		14.0	21.0





#72

Anthracene

Concen: 6.411 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111400.D

Acq: 14 Dec 2018 6:12

Instrument :

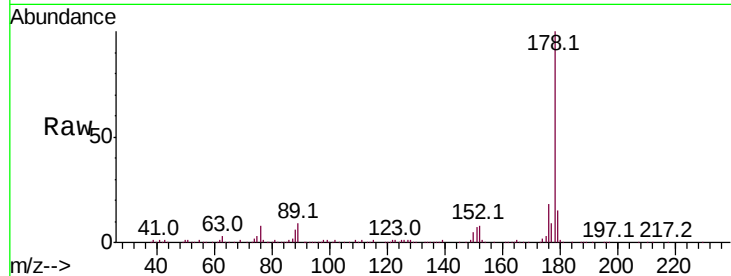
BNA_F

ClientSampleId :

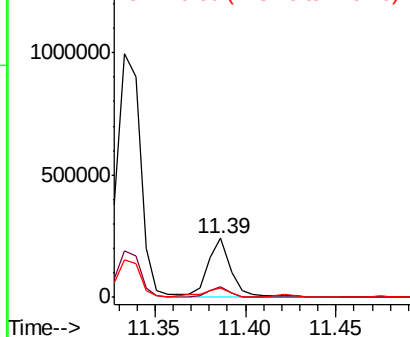
SB-3(0-2)DL

Tot Ion:	178	Resp:	209945
Ion Ratio	Lower	Upper	
178	100		
176	17.9	17.2	25.8
179	15.1	13.8	20.8

Manual Integrations
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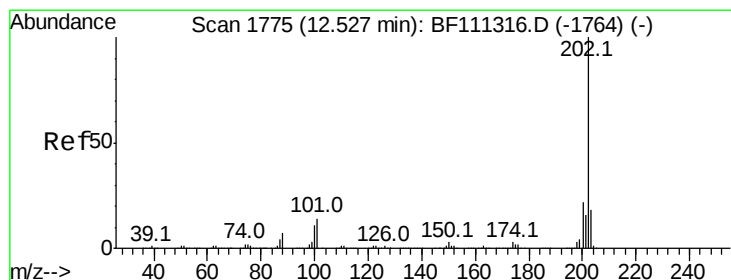
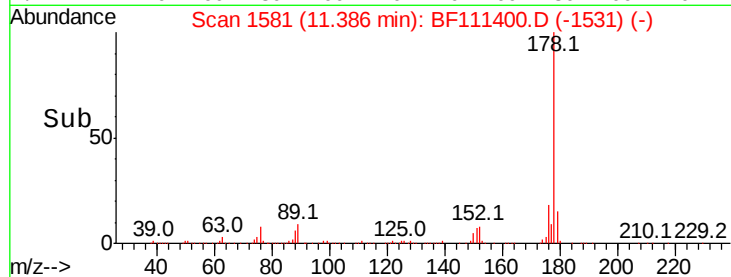


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



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#75

Fluoranthene

Concen: 33.218 ng

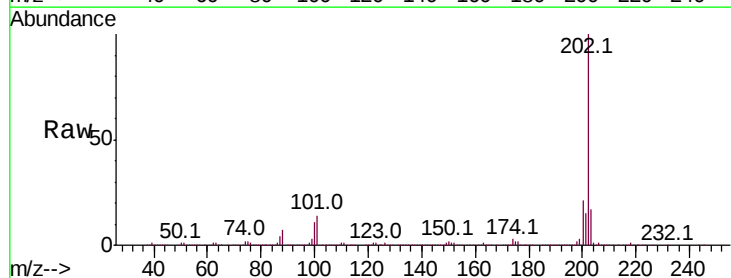
RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

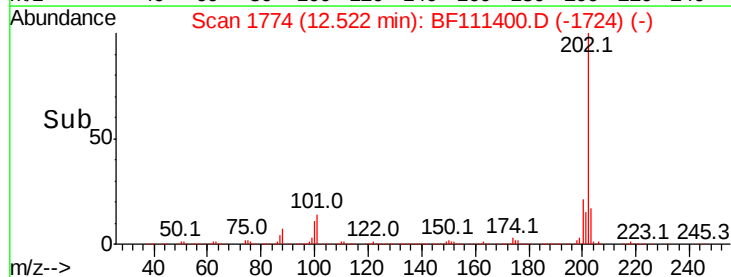
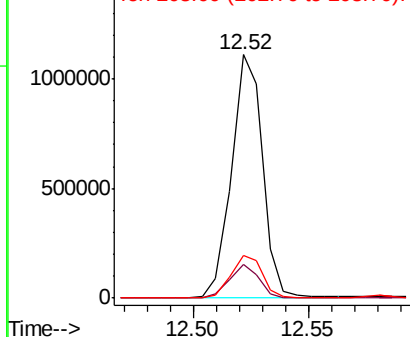
Lab File: BF111400.D

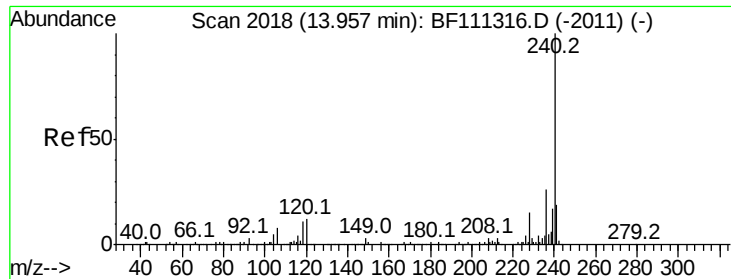
Acq: 14 Dec 2018 6:12

Tgt Ion:	202	Resp:	1042890
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.8
203	17.5	0.0	38.6



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



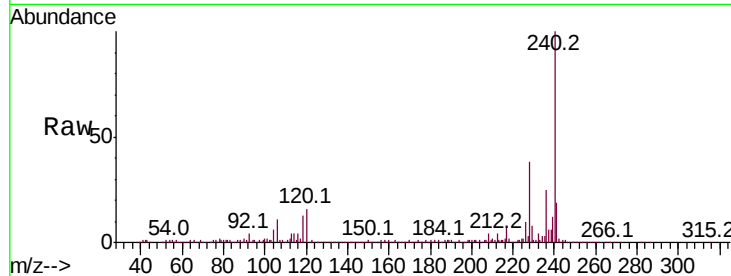


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	12.2	18.2
236	25.5	20.2	30.2

Manual Integrations
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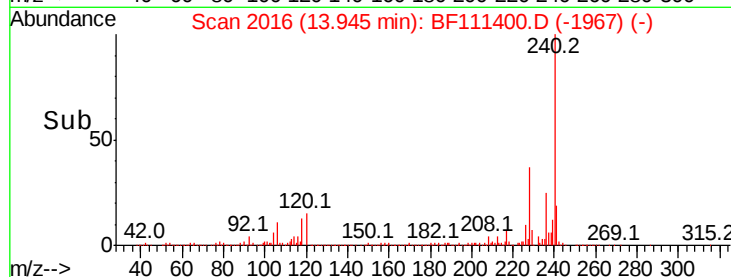
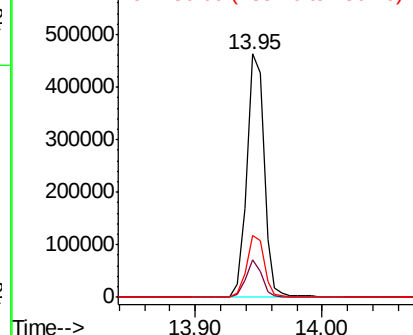


Abundance

Ion 240.00 (239.70 to 240.70): E

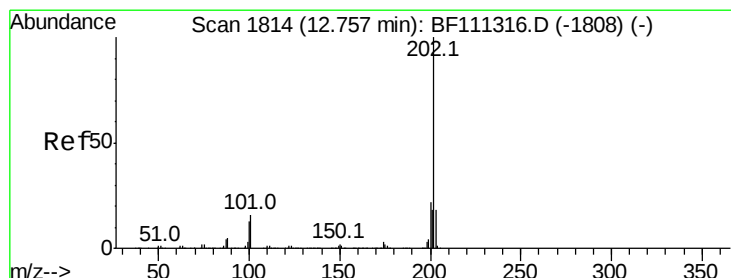
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



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#78
Pyrene
Concen: 29.567 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

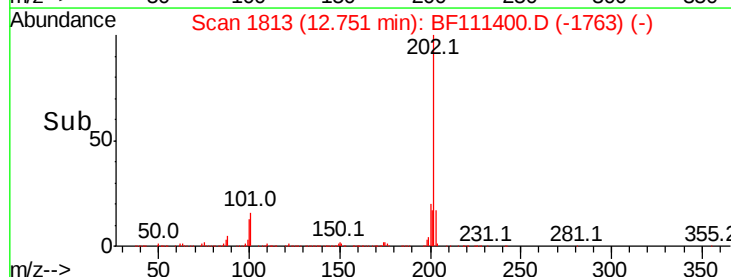
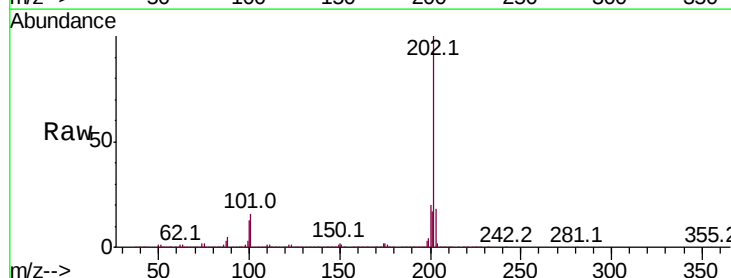
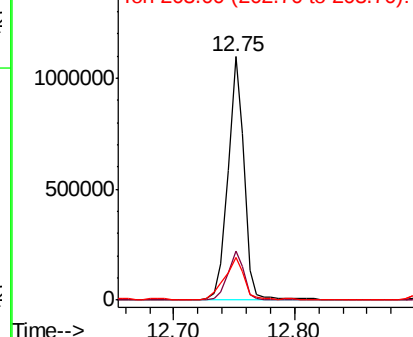
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	19.0	28.4
203	17.7	15.2	22.8

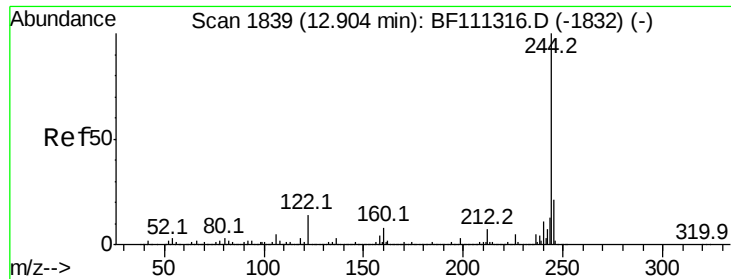
Abundance

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



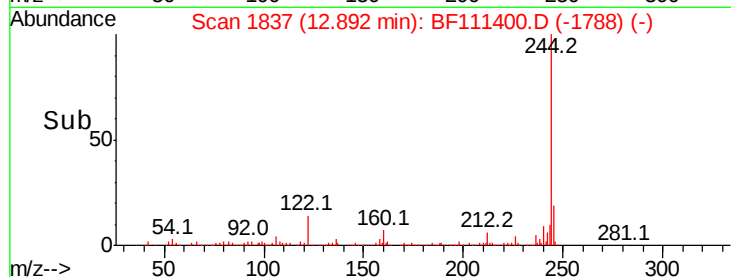
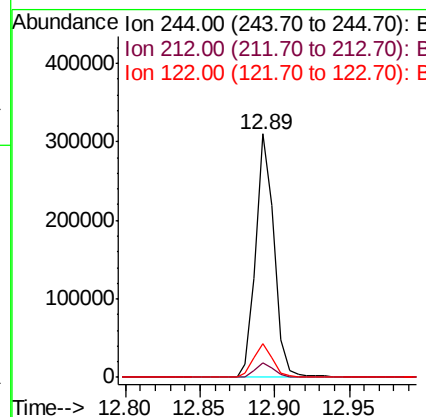
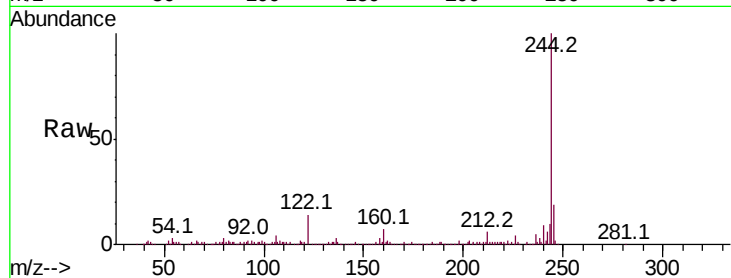


#79
 Terphenyl-d14
 Concen: 13.189 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111400.D
 Acq: 14 Dec 2018 6:12

Instrument :
 BNA_F
 ClientSampled :
 SB-3(0-2)DL

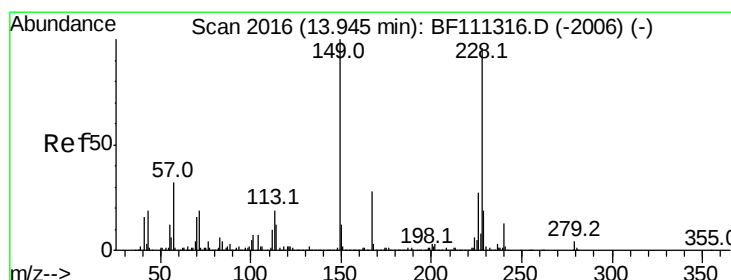
Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.7	8.5
122	14.0	13.1	19.7

Manual Integrations
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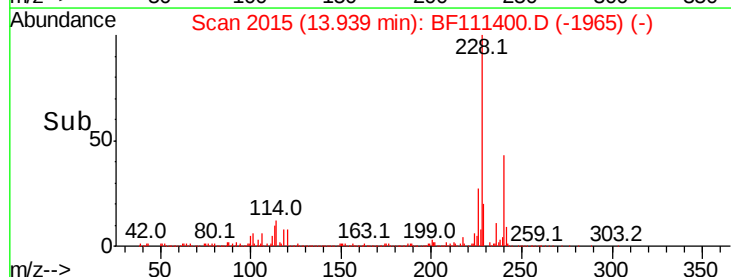
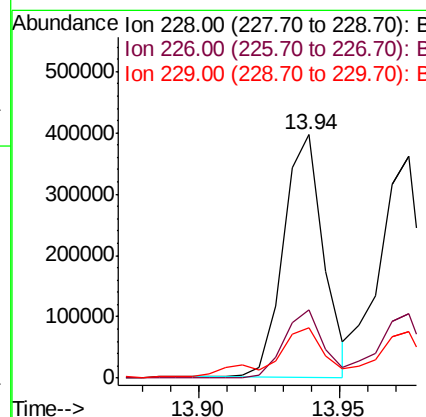
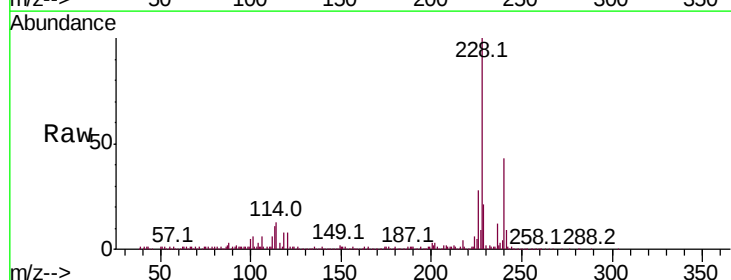
Sohil

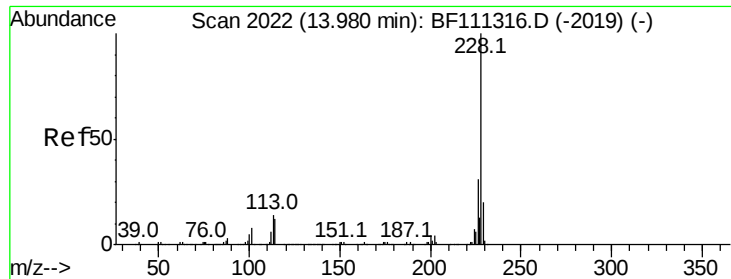
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#81
 Benzo(a)anthracene
 Concen: 15.866 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111400.D
 Acq: 14 Dec 2018 6:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	20.6	16.3	24.5



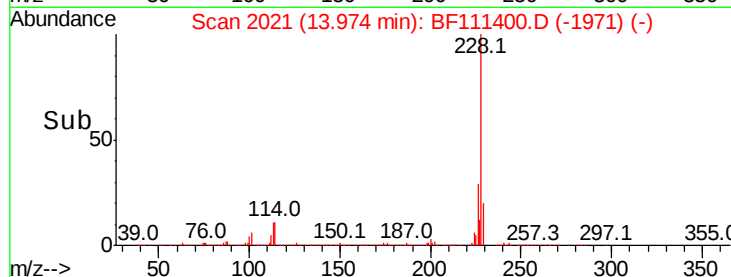
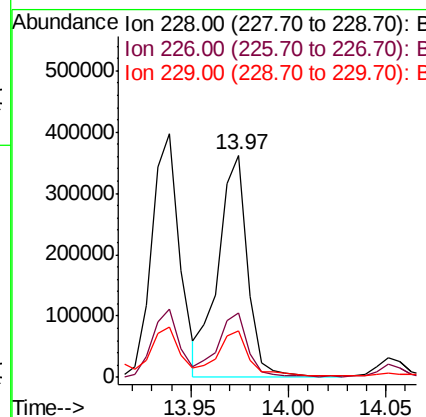
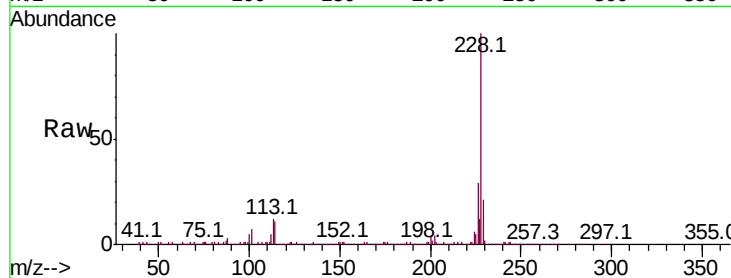


#83
Chrysene
Concen: 15.058 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)DL

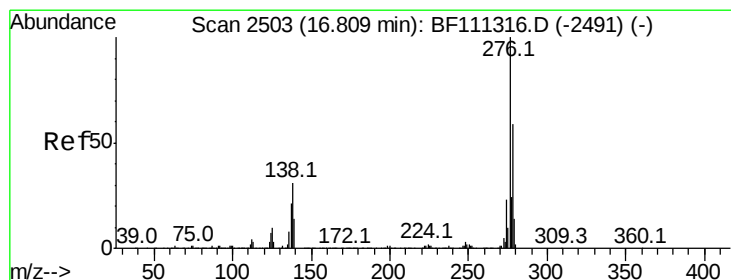
Tot Ion:	228	Resp:	377031
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.3	37.9
229	20.9	17.2	25.8

Manual Integrations
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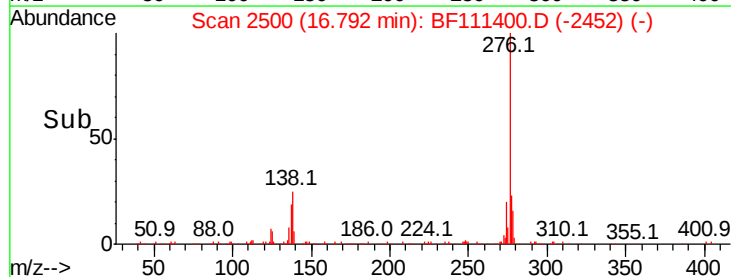
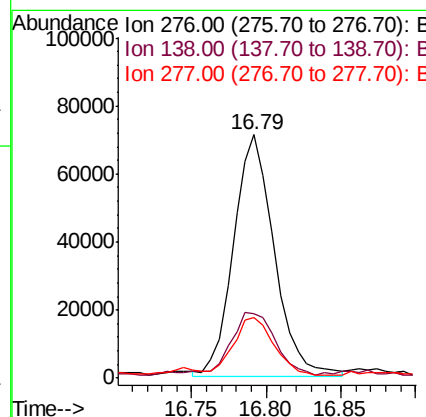
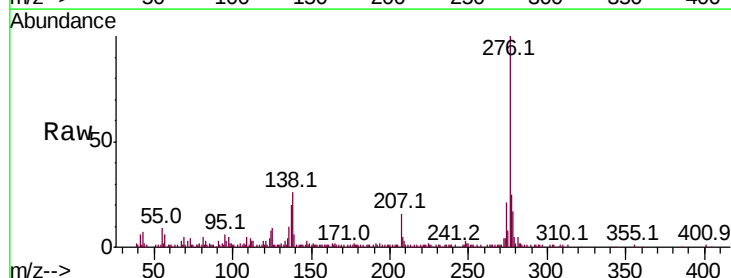
Sohil

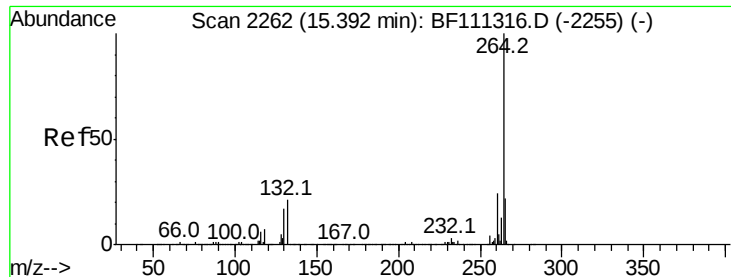
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.881 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Tgt Ion:	276	Resp:	134752
Ion Ratio	Lower	Upper	
276	100		
138	28.3	27.8	41.6
277	23.7	20.1	30.1



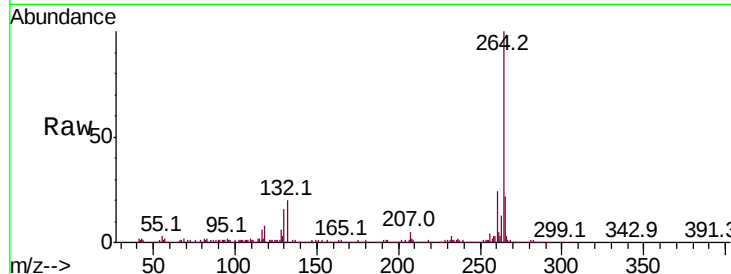


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampled :
SB-3(0-2)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	21.9	17.7	26.5

Manual Integrations
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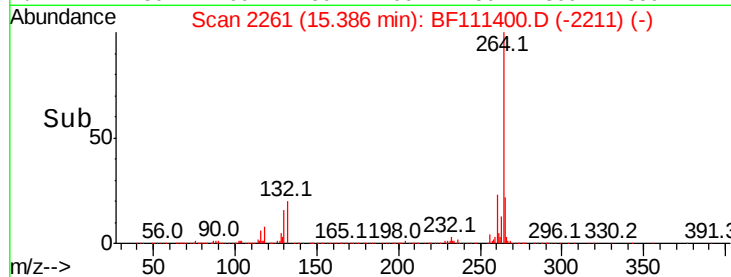
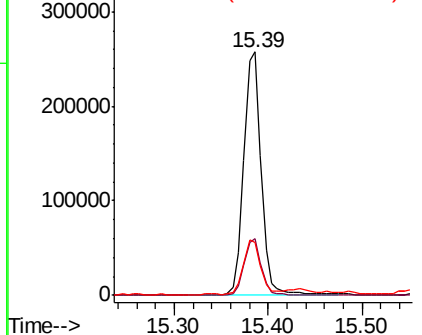


Abundance

Ion 264.00 (263.70 to 264.70): E

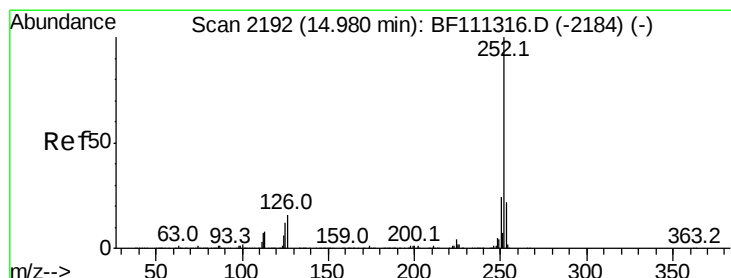
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



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#88
Benzo(b)fluoranthene
Concen: 17.305 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

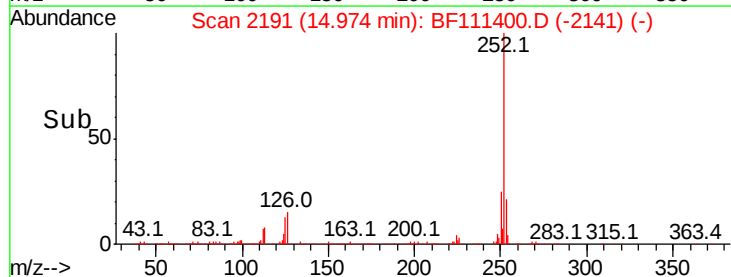
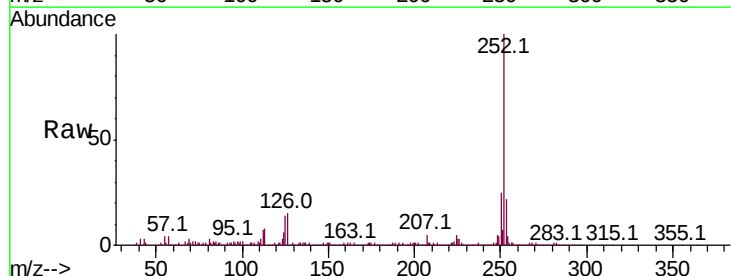
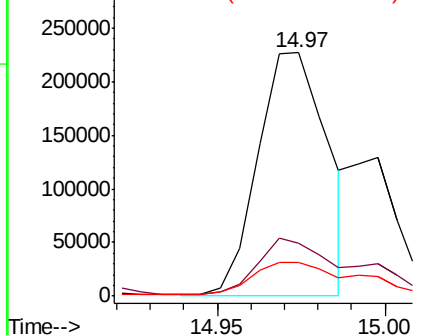
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	13.9	10.4	15.6

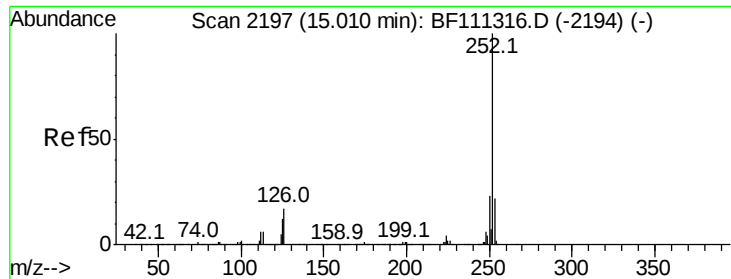
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



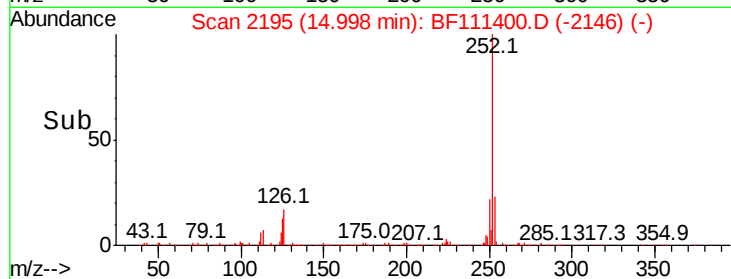
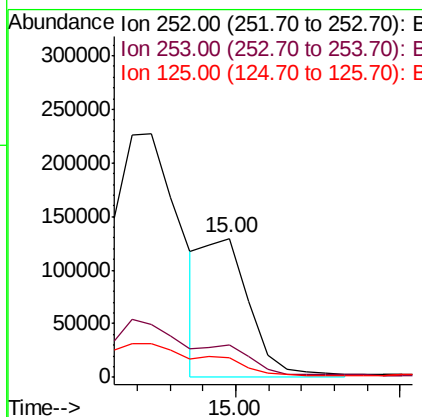
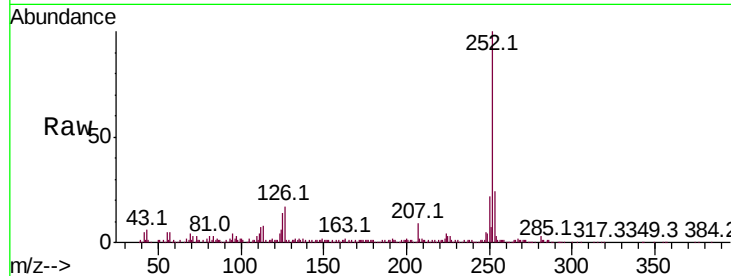


#89
Benzo(k)fluoranthene
Concen: 6.766 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Instrument :
BNA_F
ClientSampled :
SB-3(0-2)DL

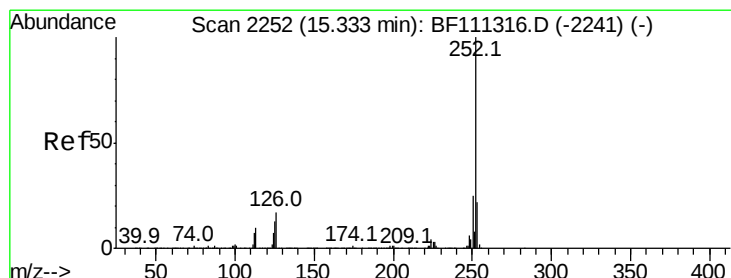
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	13.9	9.8	14.8

Manual Integrations
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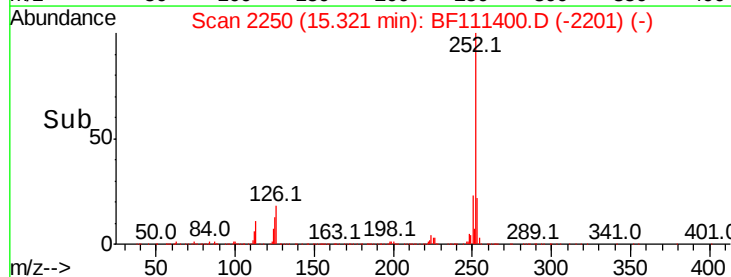
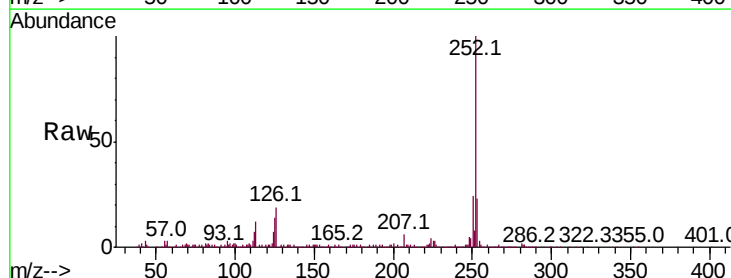
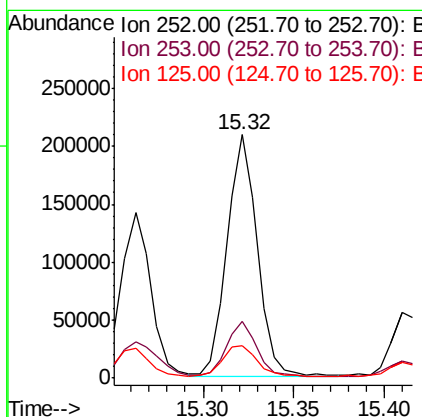
Sohil

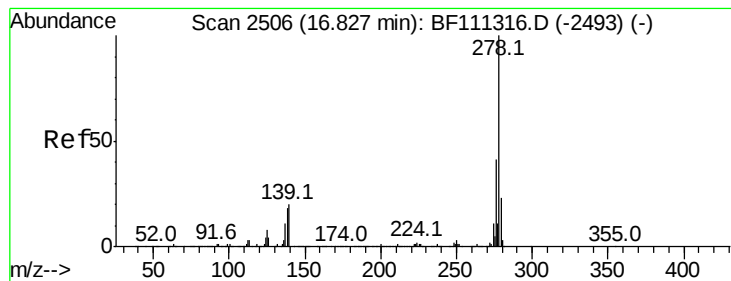
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#90
Benzo(a)pyrene
Concen: 13.762 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111400.D
Acq: 14 Dec 2018 6:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	13.6	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 2.339 ng

RT: 16.80 min Scan# 2502

Delta R.T. -0.02 min

Lab File: BF111400.D

Acq: 14 Dec 2018 6:12

Instrument :

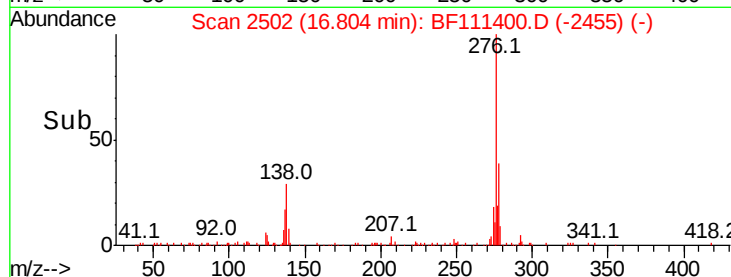
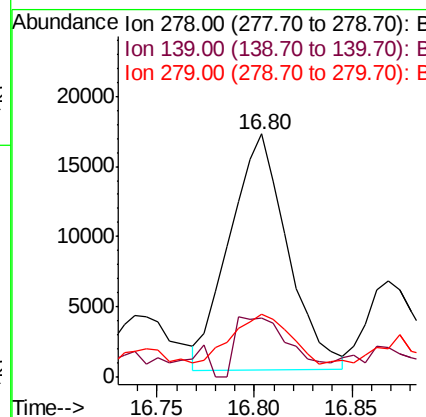
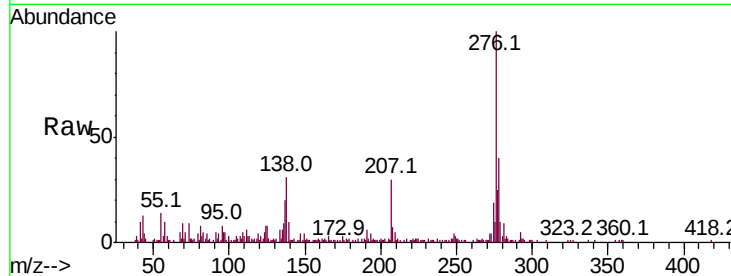
BNA_F

ClientSampleId :

SB-3(0-2)DL

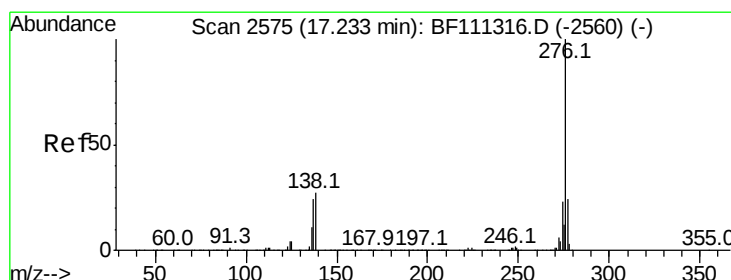
Tot Ion:	278	Resp:	34496
Ion Ratio	Lower	Upper	
278	100		
139	24.3	18.2	27.4
279	26.0	19.0	28.6

Manual Integrations
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Sohil

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#92

Benzo(g,h,i)perylene

Concen: 8.693 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.02 min

Lab File: BF111400.D

Acq: 14 Dec 2018 6:12

Tgt Ion:	276	Resp:	128201
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.2	28.8
138	30.7	24.9	37.3

