

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112084.D
 Acq On : 17 Jan 2019 12:56
 Operator : JU/SJ
 Sample : K1012-11 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-C

Manual Integrations
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 1/17/2019 2:55:44 PM

Quant Time: Jan 17 14:15:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	283080	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1060356	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	472191	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	740863	20.00	ng	0.00
76) Chrysene-d12	14.03	240	651276	20.00	ng	0.00
87) Perylene-d12	15.50	264	548591	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	179857	11.53	ng	0.00
7) Phenol-d6	6.50	99	237601	12.18	ng	-0.01
23) Nitrobenzene-d5	7.42	82	121221	7.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	46420	9.11	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	295654	9.18	ng	0.00
79) Terphenyl-d14	12.96	244	243687	7.96	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.86	142	93212	2.846	ng	98
38) 1-Methylnaphthalene	8.96	142	65722m	2.088	ng	
71) Phenanthrene	11.41	178	274789	7.370	ng	97
75) Fluoranthene	12.60	202	360257	9.151	ng	99
78) Pyrene	12.83	202	324363	7.549	ng	98
81) Benzo(a)anthracene	14.02	228	179635	4.811	ng	99
83) Chrysene	14.05	228	147445	4.173	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	65995	2.024	ng	95
88) Benzo(b)fluoranthene	15.07	252	177599m	5.703	ng	
89) Benzo(k)fluoranthene	15.09	252	63617m	2.111	ng	
90) Benzo(a)pyrene	15.44	252	126825	4.441	ng	# 94
92) Benzo(a,h,i)perylene	17.43	276	60557	2.423	ng	98

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

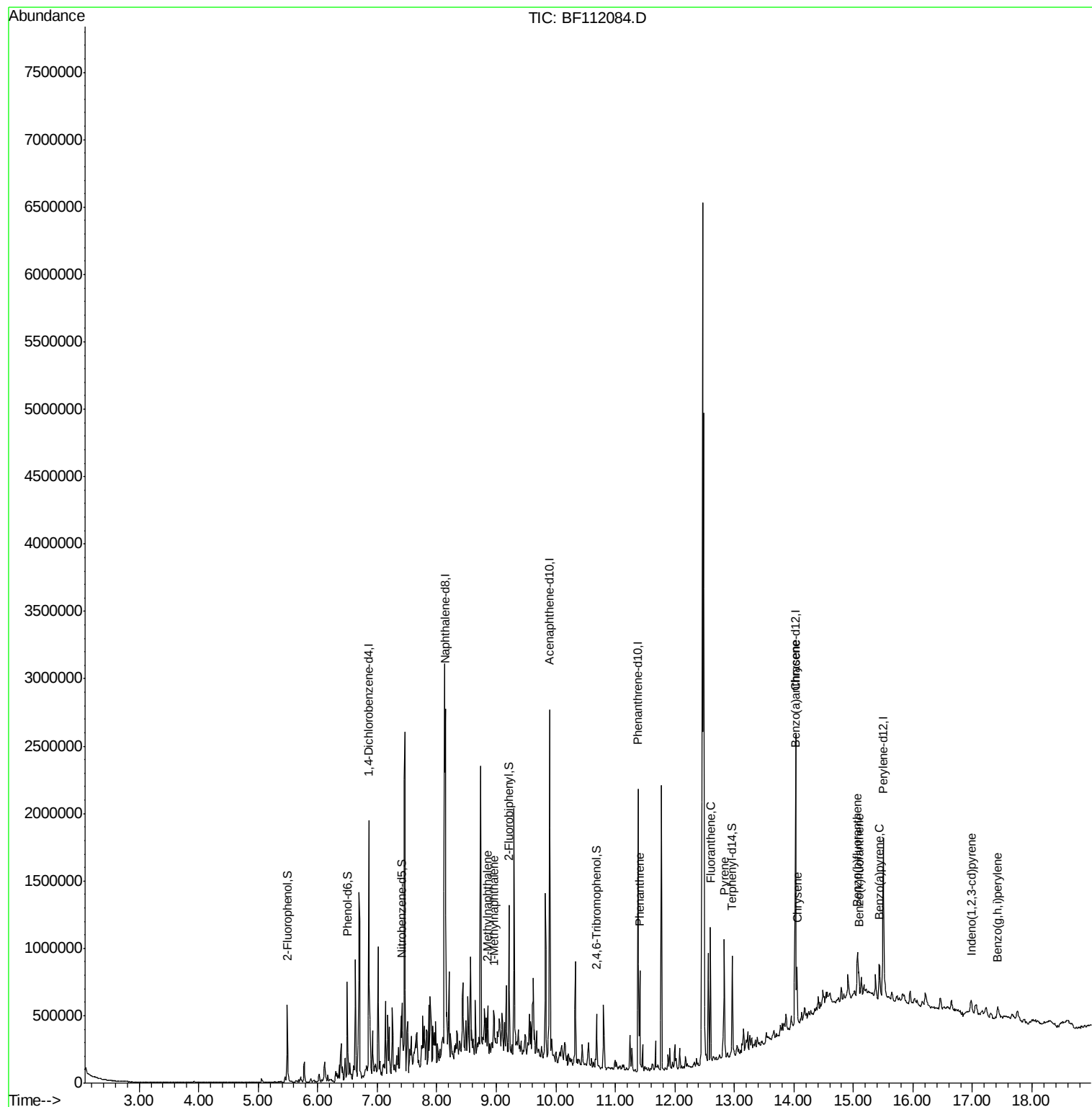
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112084.D
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Sample : K1012-11 10X
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ALS Vial : 11 Sample Multiplier: 1

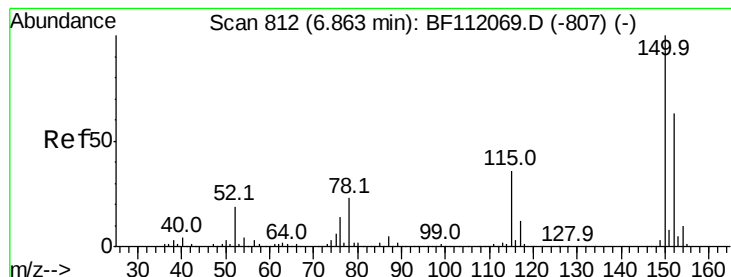
Instrument :
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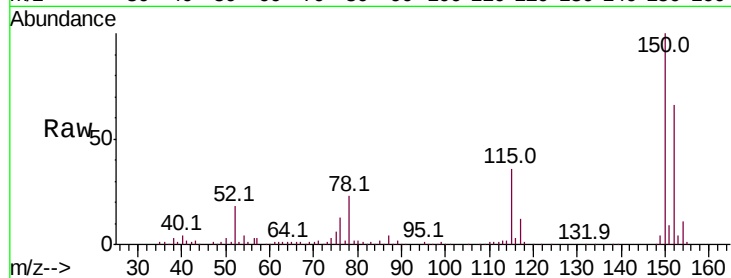
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF112084.D
 Acq: 17 Jan 2019 12:56

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	127.4	191.0
115	53.9	45.5	68.3

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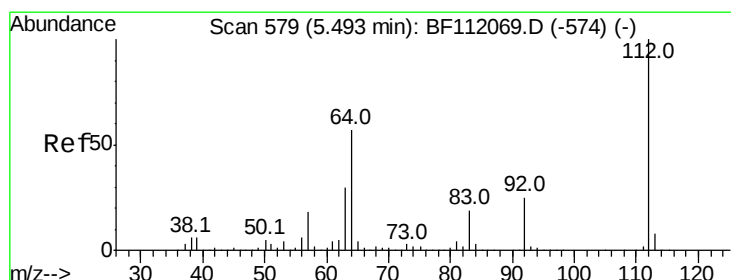
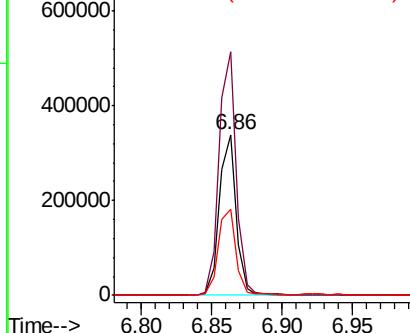
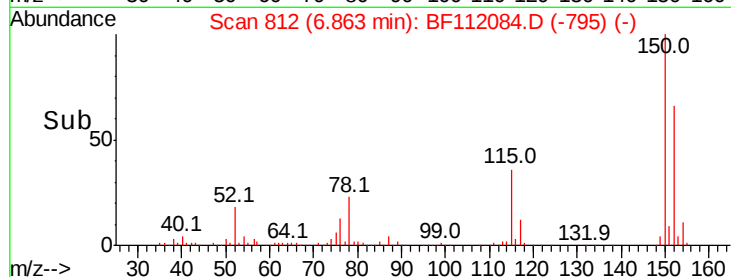


Abundance

Ion 152.00 (151.70 to 152.70): E

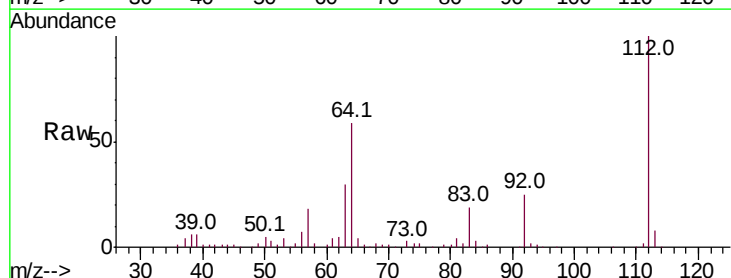
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 11.532 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF112084.D
 Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.7	68.5
63	30.0	23.6	35.4

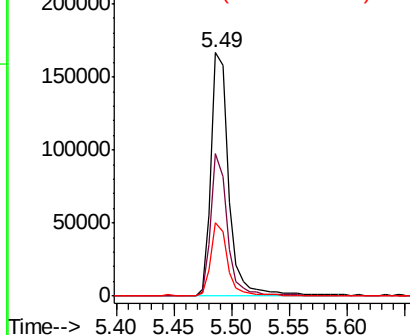
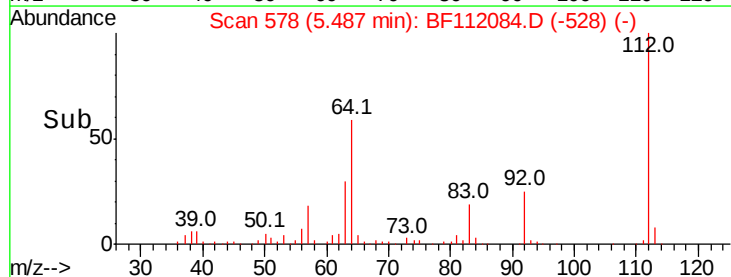


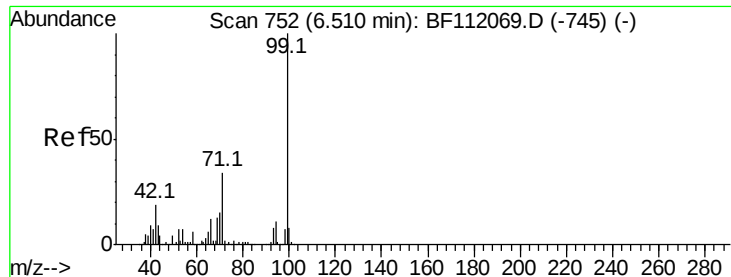
Abundance

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: 12.176 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112084.D

Acq: 17 Jan 2019 12:56

Instrument :

BNA_F

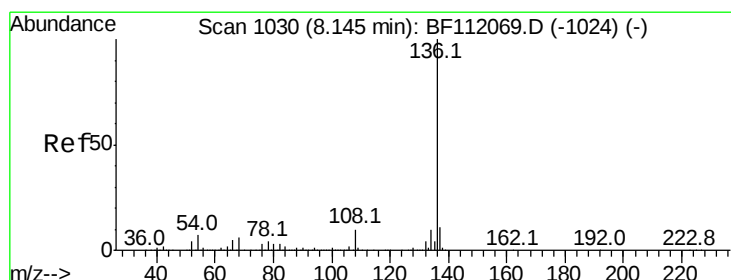
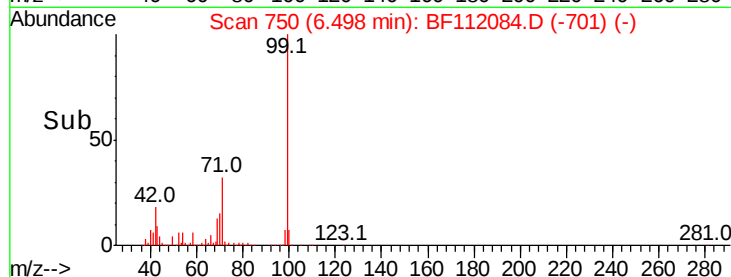
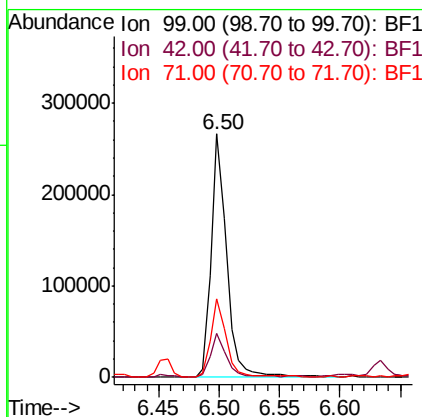
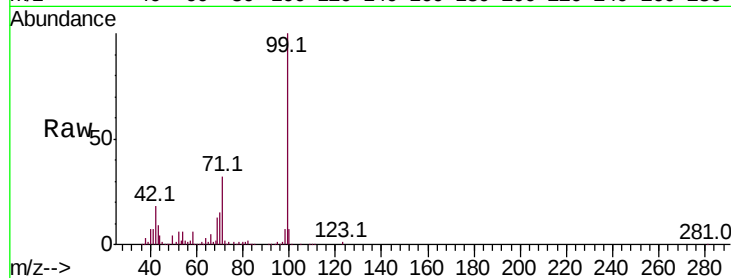
ClientSampled :

EO-01-011518-C

Tot Ion:	99	Resp:	237601
Ion Ratio	Lower	Upper	
99	100		
42	17.8	15.1	22.7
71	32.3	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

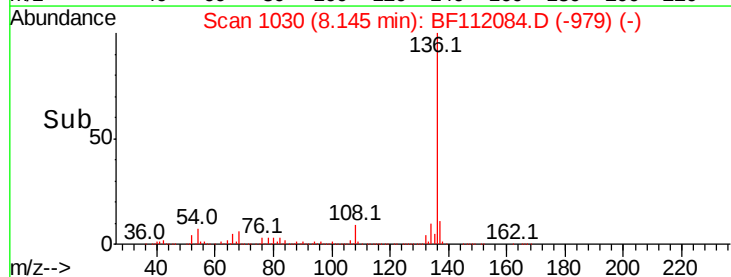
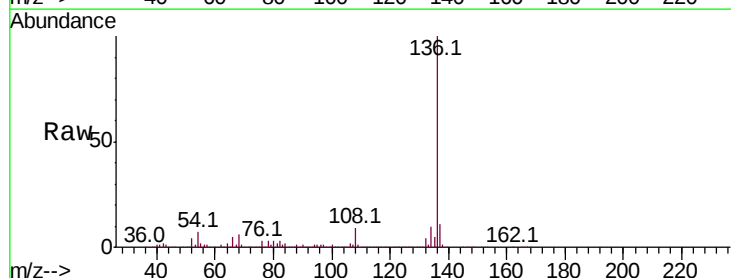
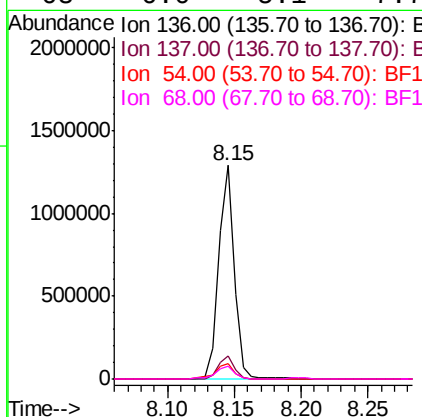
RT: 8.15 min Scan# 1030

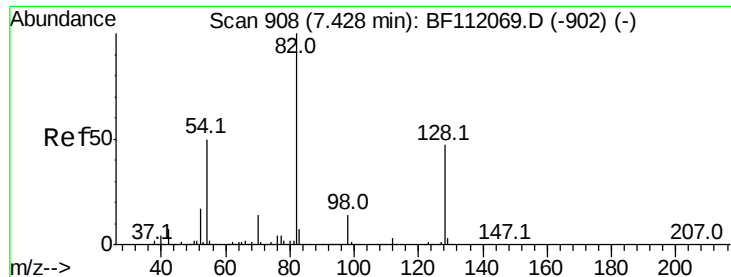
Delta R.T. -0.00 min

Lab File: BF112084.D

Acq: 17 Jan 2019 12:56

Tgt Ion:	136	Resp:	1060356
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	7.0	5.9	8.9
68	6.0	5.1	7.7





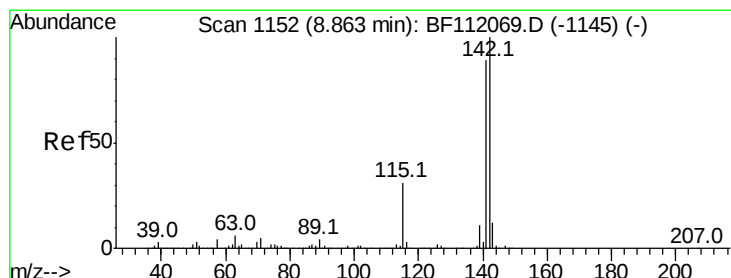
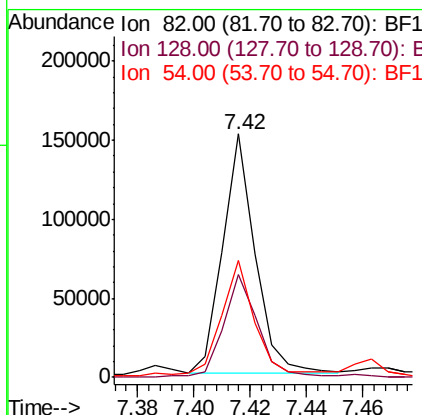
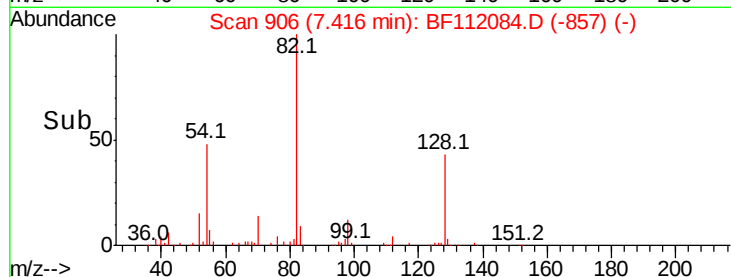
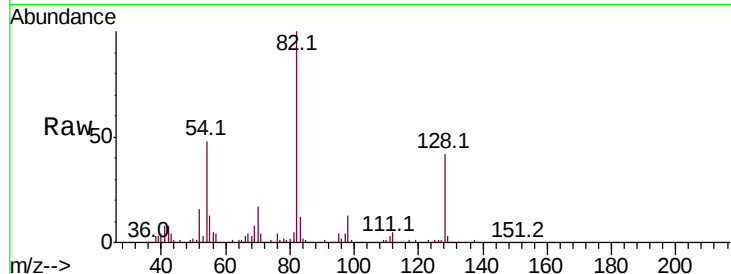
#23
Nitrobenzene-d5
Concen: 7.898 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	82	Resp	121221
Ion Ratio	Lower	Upper	
82	100		
128	42.3	37.8	56.8
54	47.8	39.7	59.5

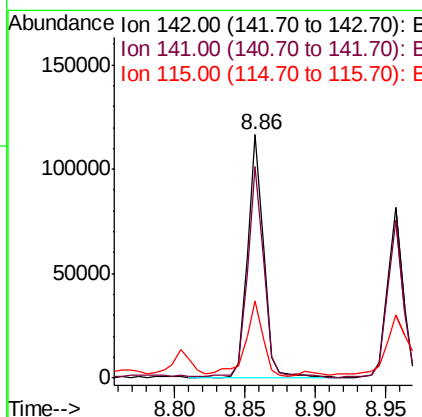
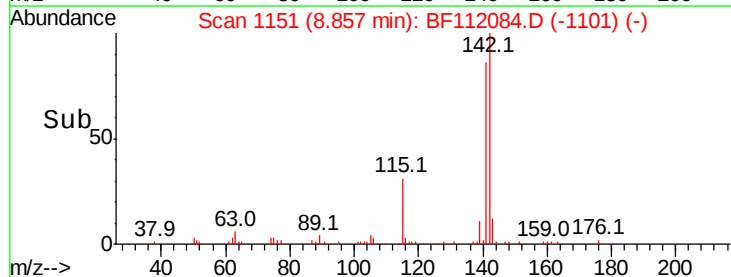
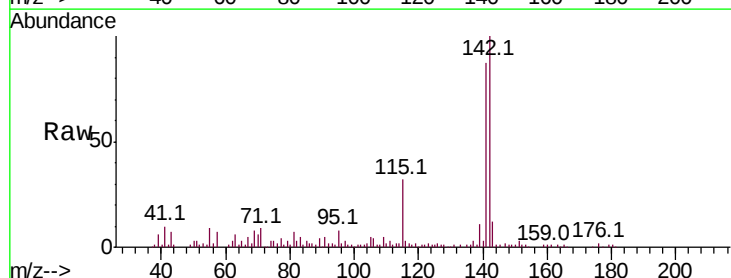
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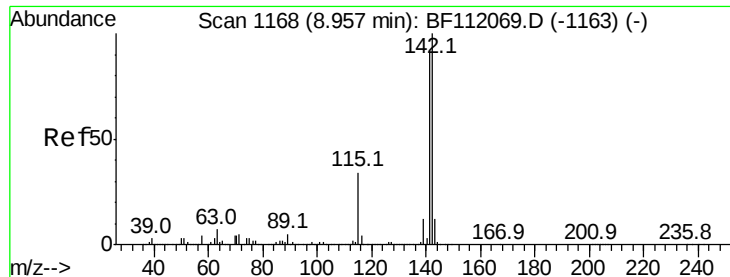
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#37
2-Methylnaphthalene
Concen: 2.846 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Tgt Ion	142	Resp	93212
Ion Ratio	Lower	Upper	
142	100		
141	86.9	70.9	106.3
115	31.8	24.9	37.3





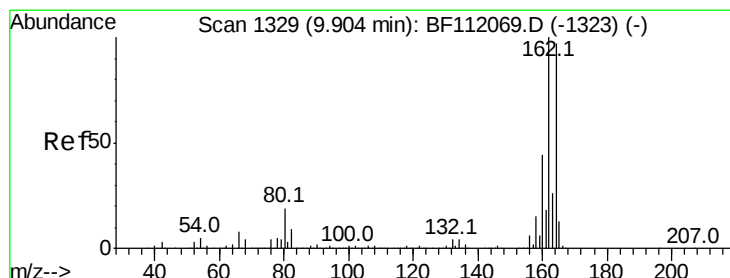
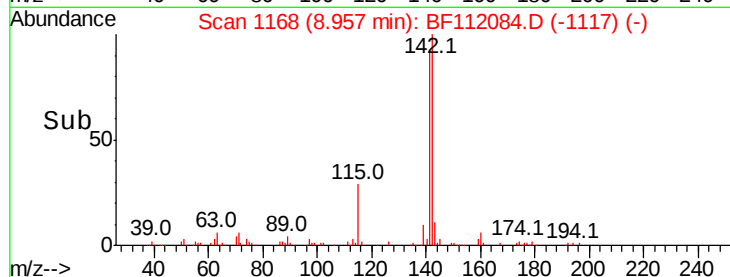
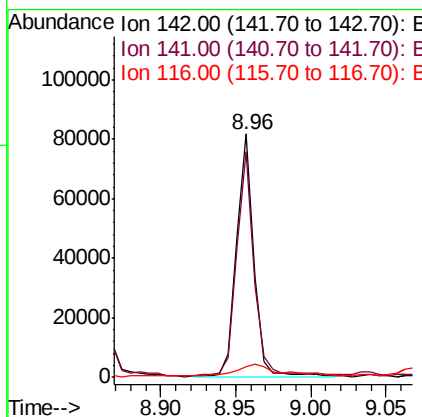
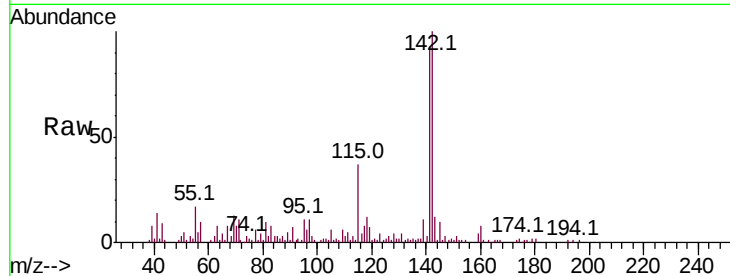
#38
1-Methylnaphthalene
Concen: 2.088 ng m
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.6	108.8
116	4.5	2.8	4.2#

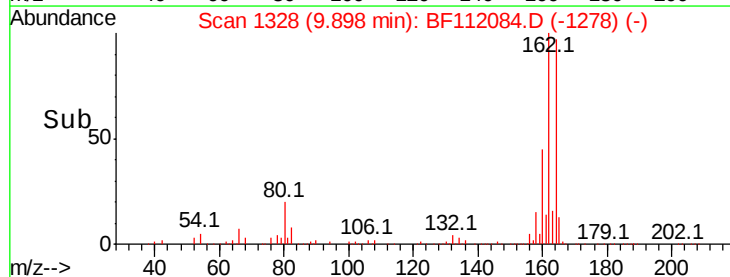
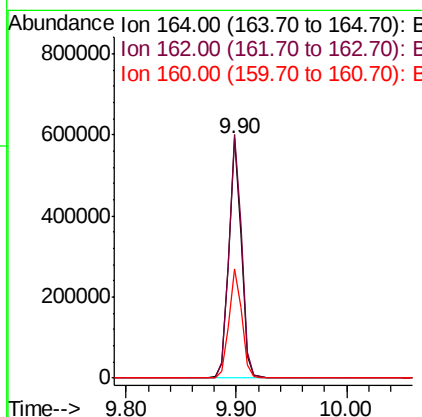
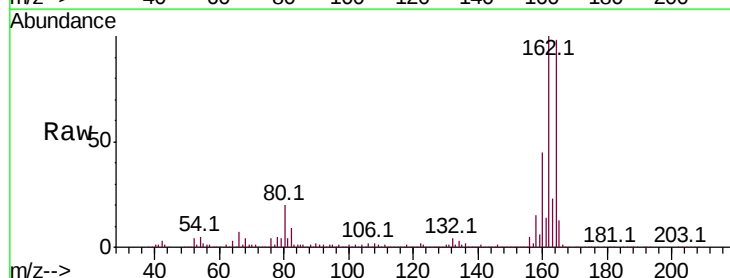
Manual Integrations
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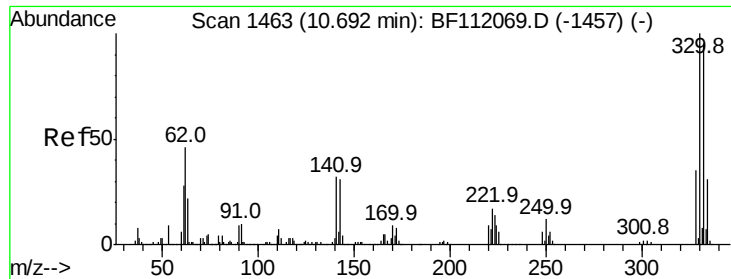
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.4
160	45.8	36.2	54.4





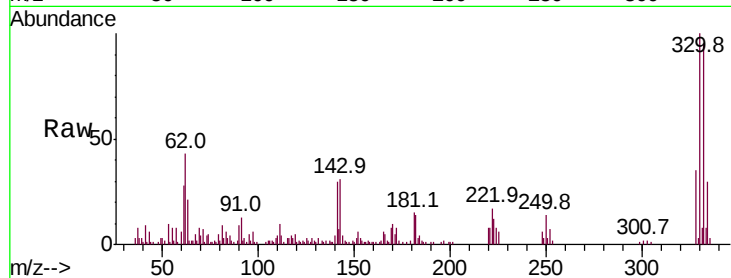
#42
 2,4,6-Tribromophenol
 Concen: 9.113 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112084.D
 Acq: 17 Jan 2019 12:56

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-011518-C

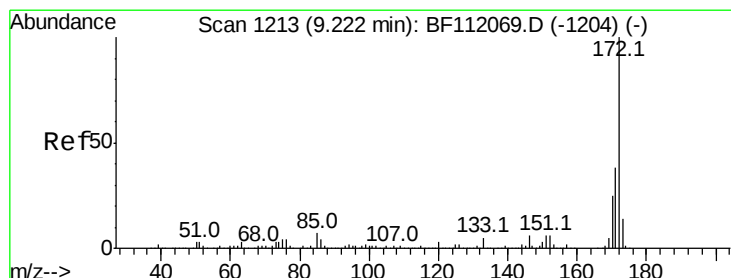
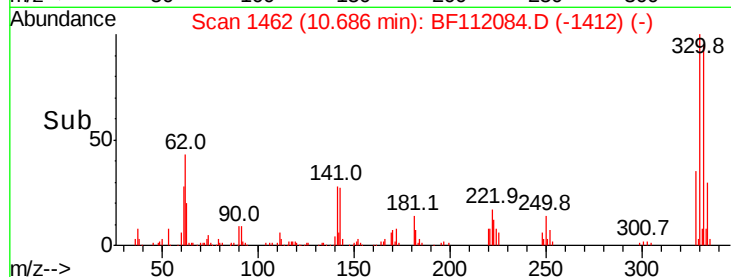
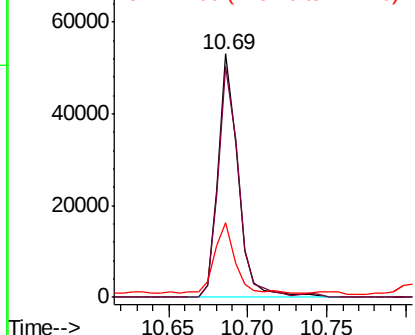
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	31.7	24.3	36.5

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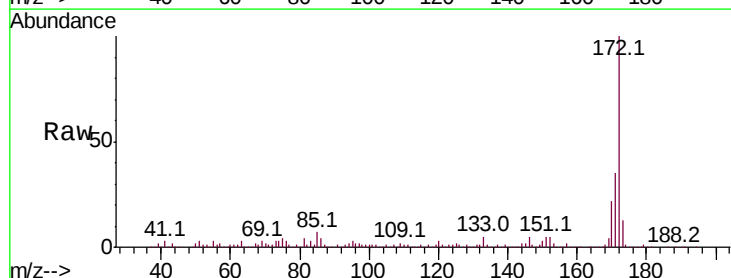


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

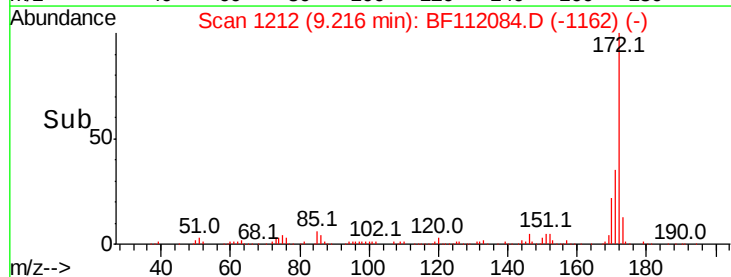
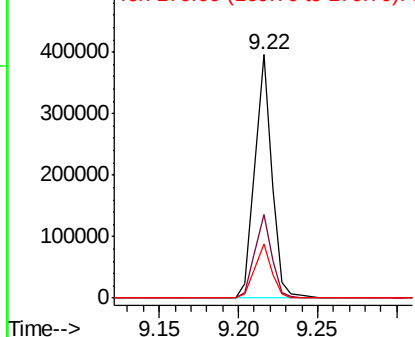


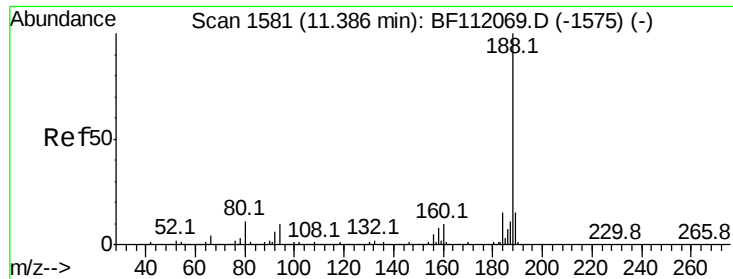
#45
 2-Fluorobiphenyl
 Concen: 9.180 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112084.D
 Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	30.5	45.7
170	22.4	20.2	30.4



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





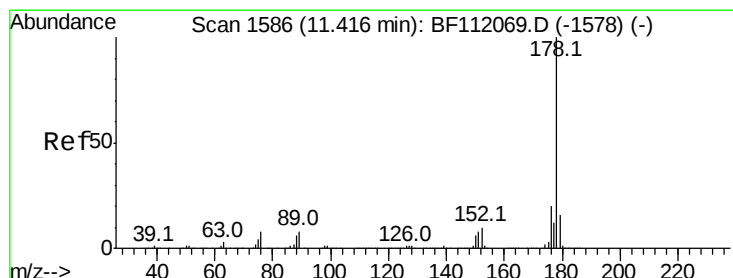
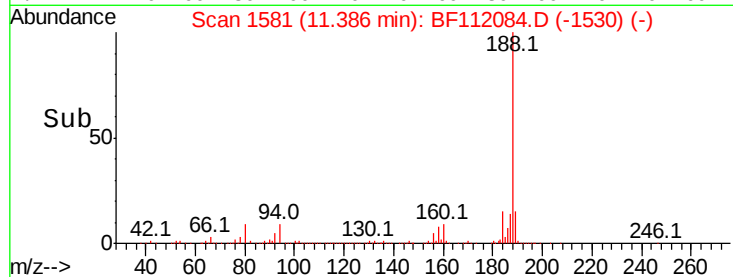
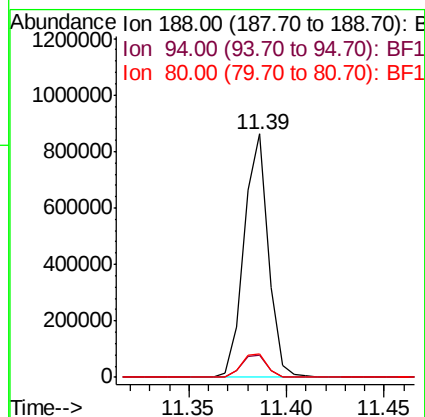
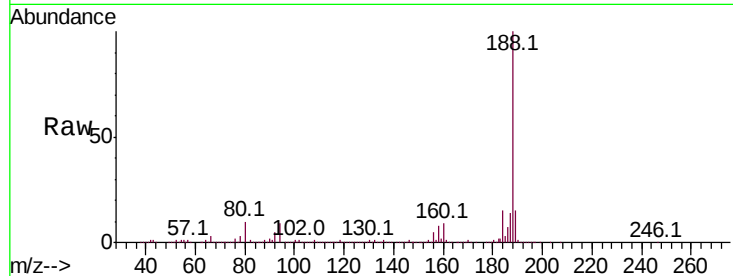
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.2	12.2
80	9.5	8.9	13.3

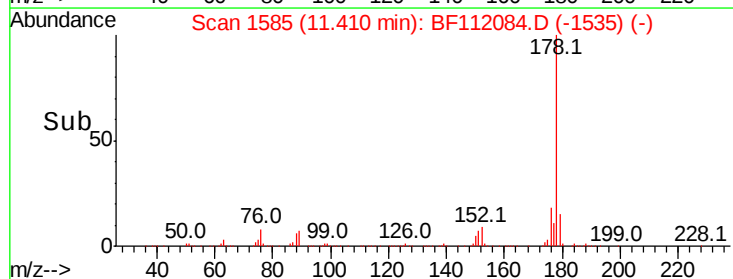
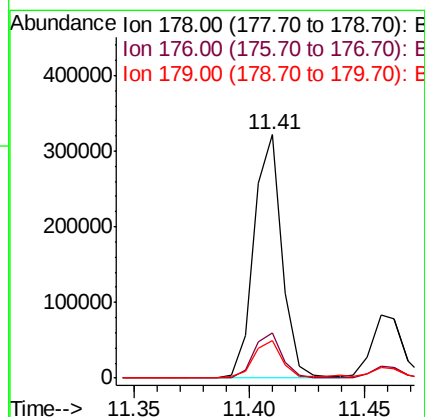
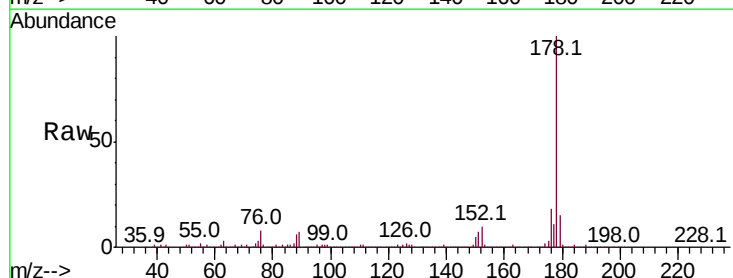
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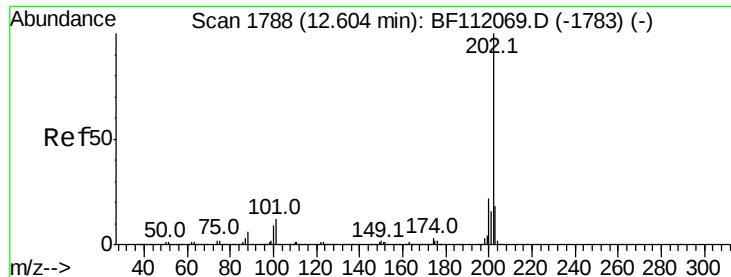
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#71
Phenanthrene
Concen: 7.370 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	16.3	24.5
179	15.5	13.0	19.4





#75

Fluoranthene

Concen: 9.151 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112084.D

Acq: 17 Jan 2019 12:56

Instrument :

BNA_F

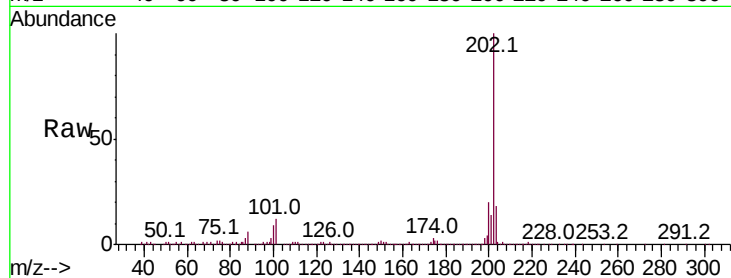
ClientSampleId :

EO-01-011518-C

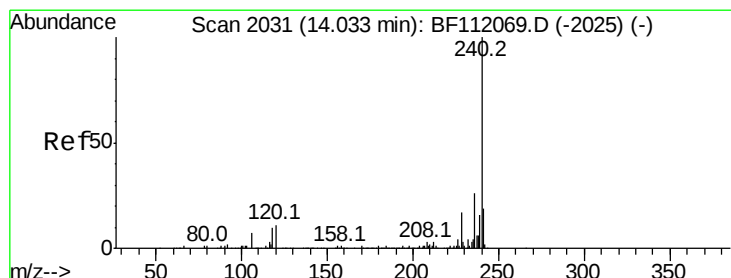
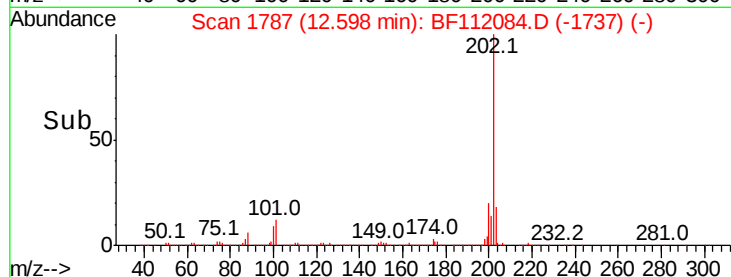
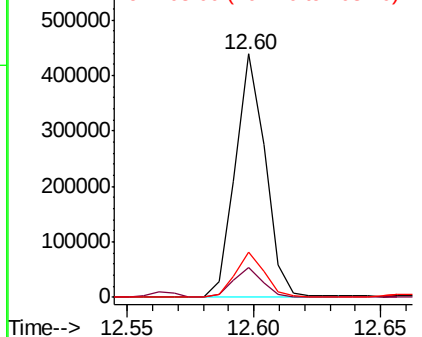
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	31.8
203	18.3	0.0	38.4

Manual Integrations
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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

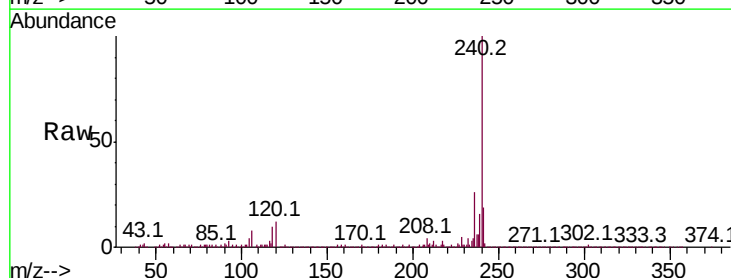
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

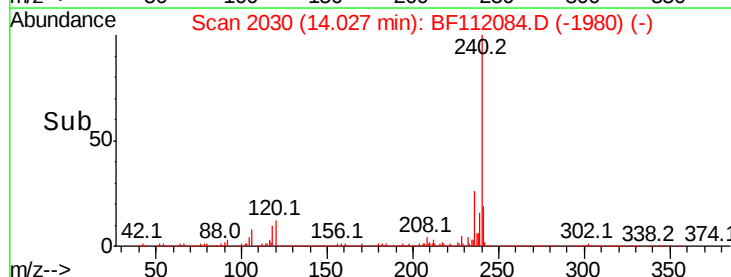
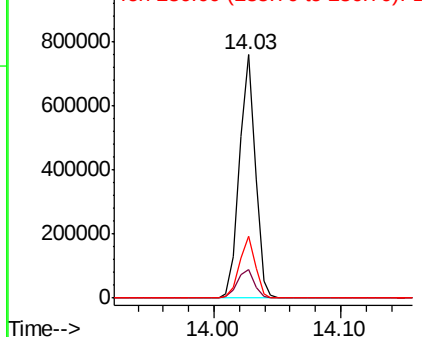
Lab File: BF112084.D

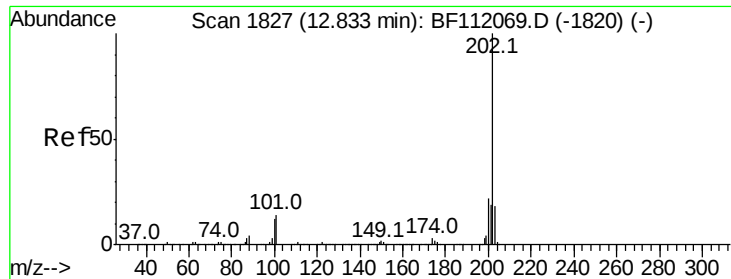
Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.6	20.7	31.1



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: 7.549 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF112084.D

Acq: 17 Jan 2019 12:56

Instrument :

BNA_F

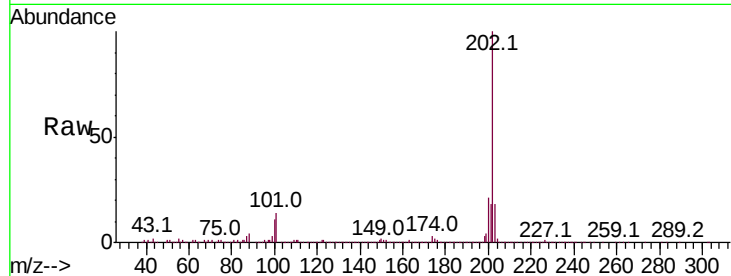
ClientSampleId :

EO-01-011518-C

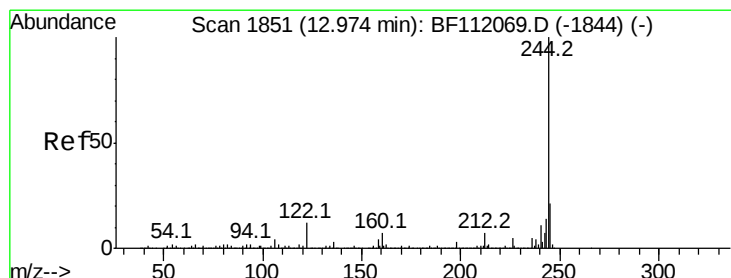
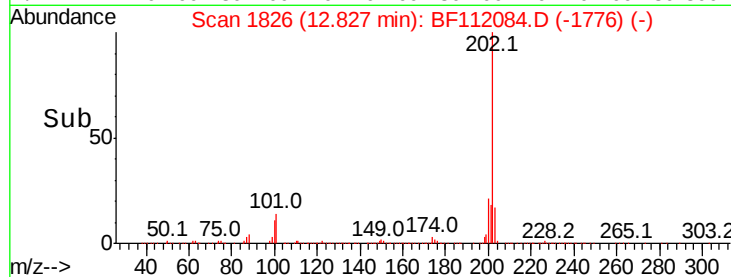
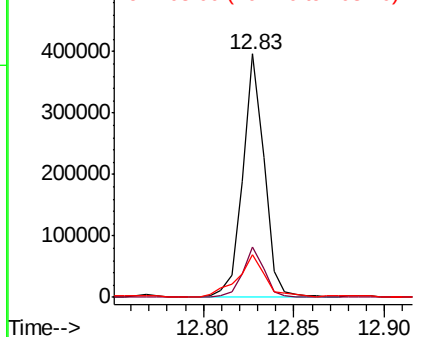
Tot Ion:	202	Resp:	324363
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.7	26.5
203	17.7	14.6	22.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 7.960 ng

RT: 12.96 min Scan# 1849

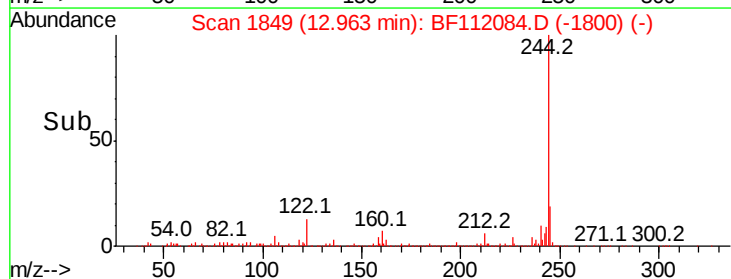
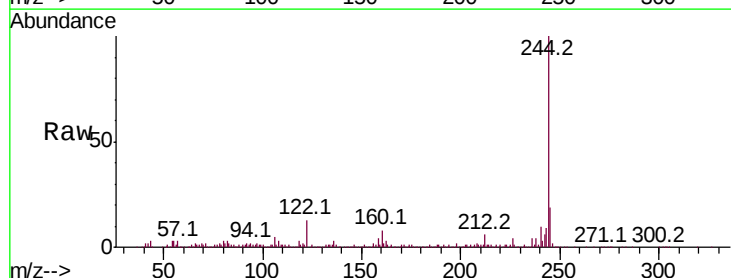
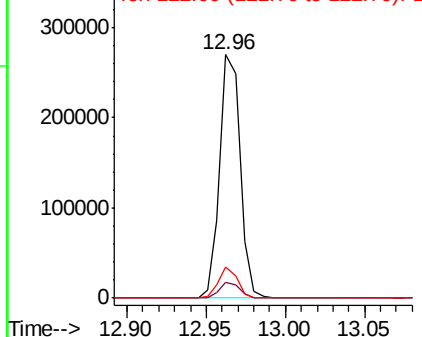
Delta R.T. -0.01 min

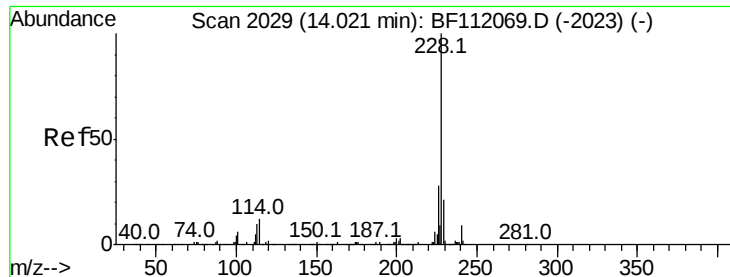
Lab File: BF112084.D

Acq: 17 Jan 2019 12:56

Tgt Ion:	244	Resp:	243687
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.9	8.9
122	12.9	9.8	14.6

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





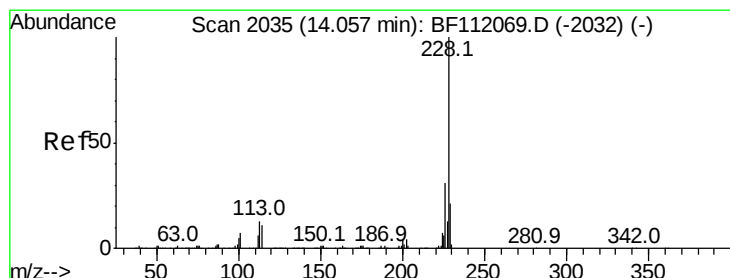
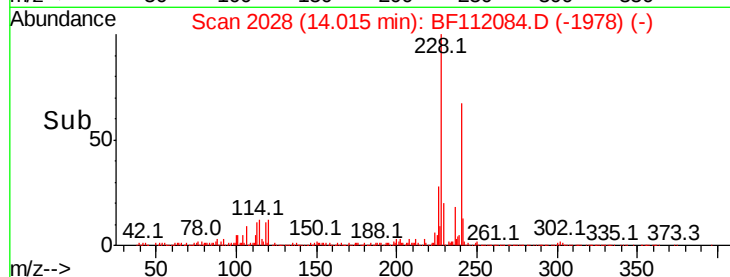
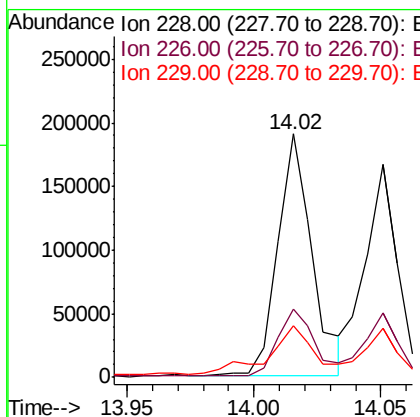
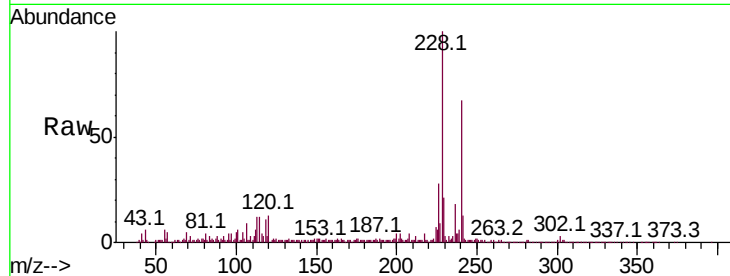
#81
Benzo(a)anthracene
Concen: 4.811 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	34.0
229	20.9	16.5	24.7

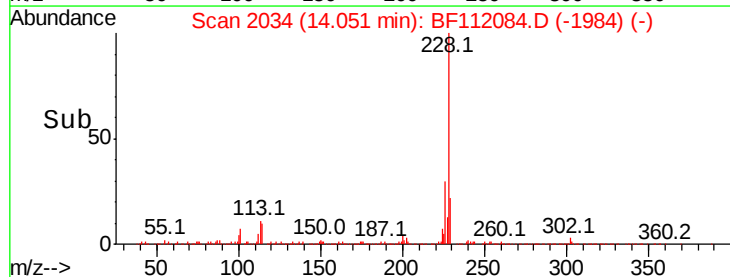
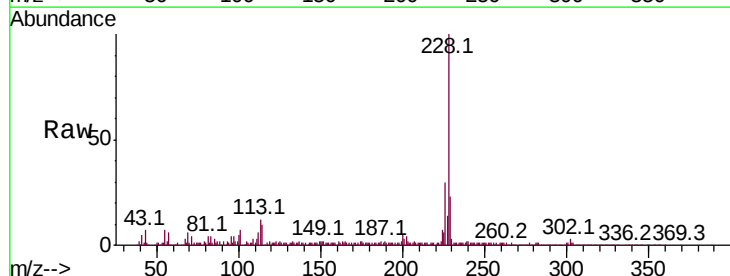
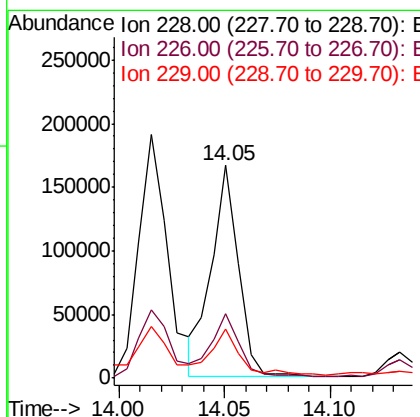
Manual Integrations
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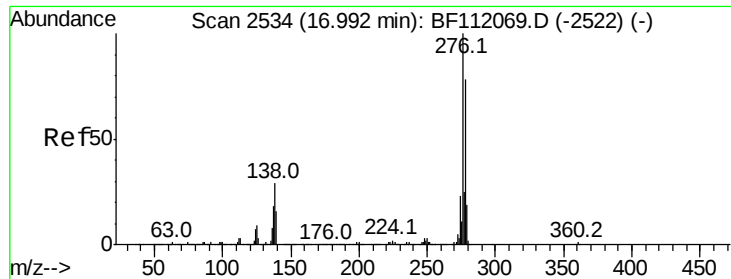
Sohil
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#83
Chrysene
Concen: 4.173 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	23.0	16.6	24.8





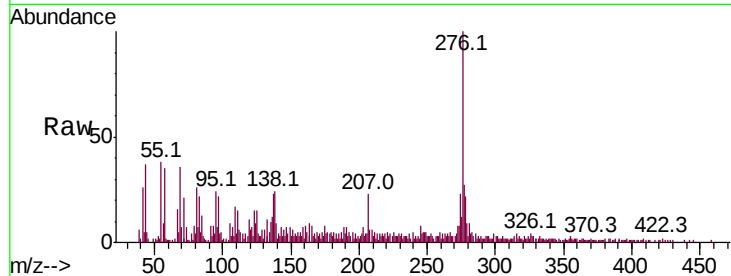
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.024 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	22.6	34.0
277	27.0	20.3	30.5

Manual Integrations
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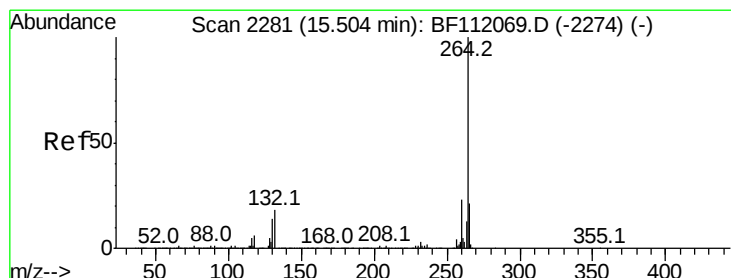
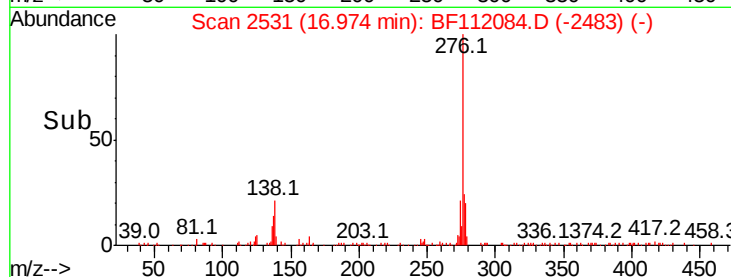
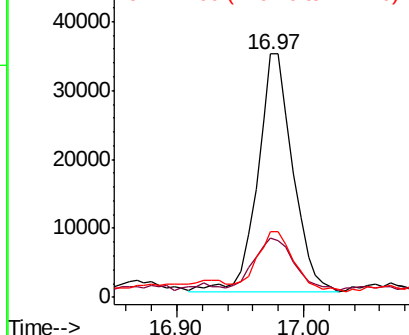


Abundance

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: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

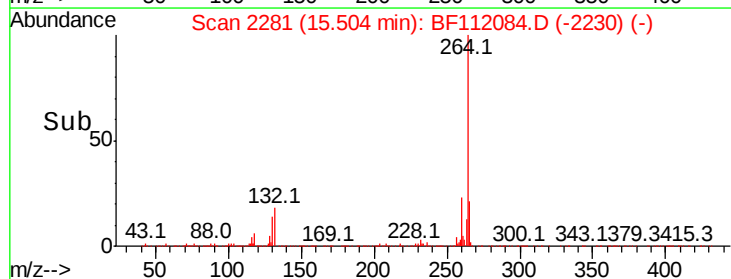
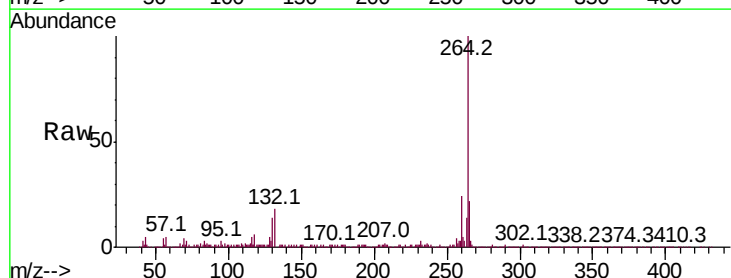
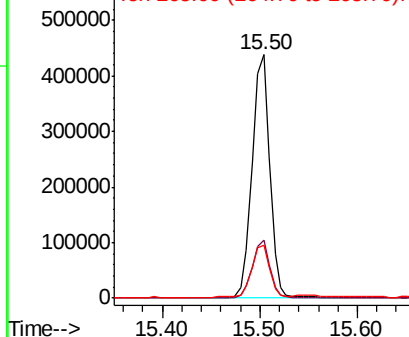
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.6	17.0	25.4

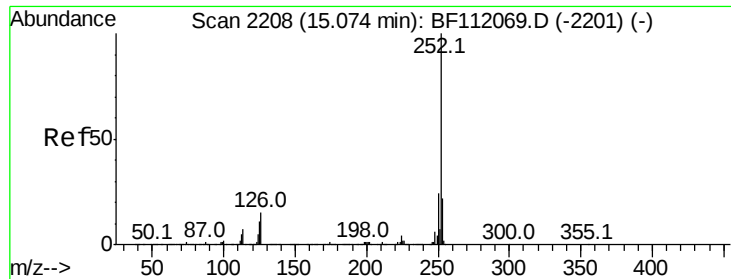
Abundance

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





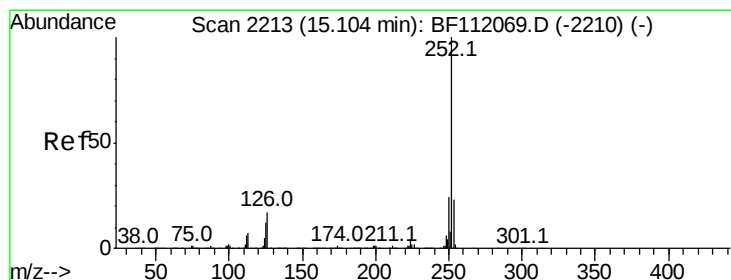
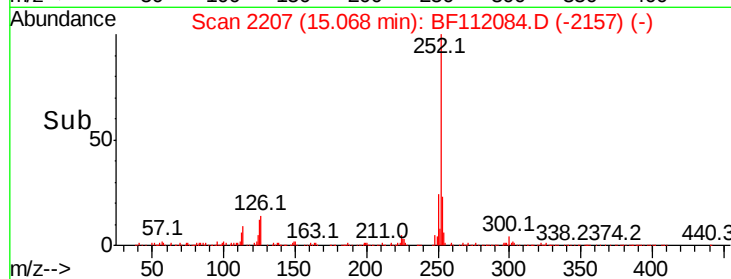
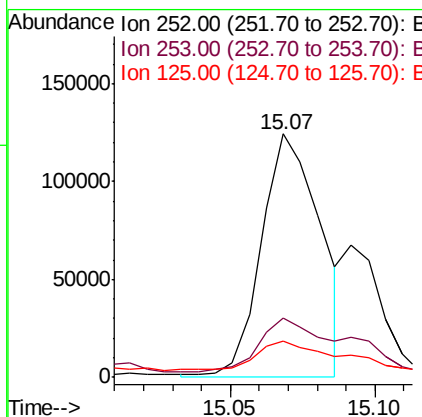
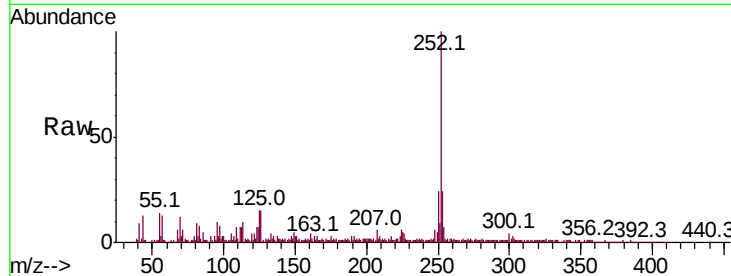
#88
Benzo(b)fluoranthene
Concen: 5.703 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	15.0	8.7	13.1

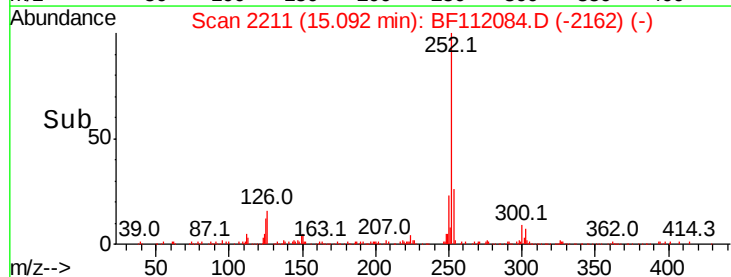
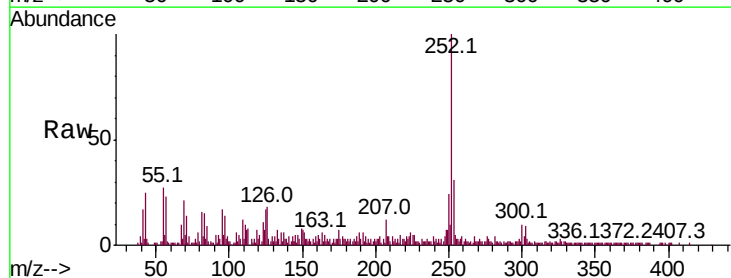
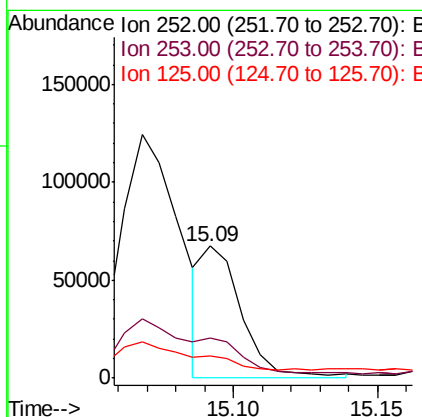
Manual Integrations
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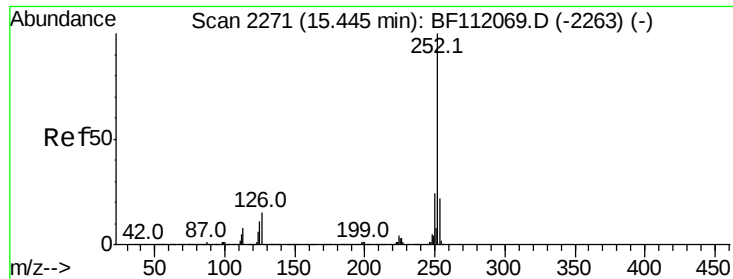
Sohil
1/17/2019 2:55:44 PM



#89
Benzo(k)fluoranthene
Concen: 2.111 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.0	27.0
125	16.9	9.1	13.7





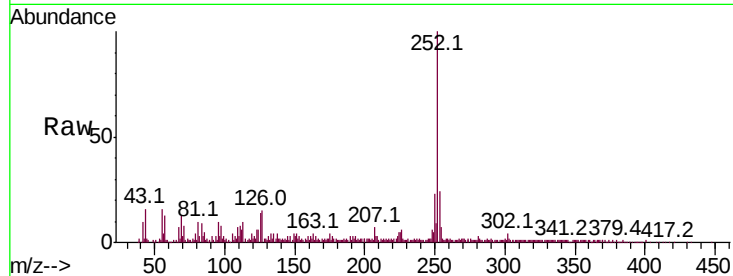
#90
Benzo(a)pyrene
Concen: 4.441 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

Instrument :
BNA_F
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	17.5	26.3
125	13.5	9.0	13.4

Manual Integrations
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1/17/2019 2:55:44 PM

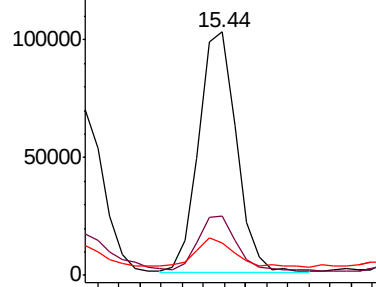


Abundance

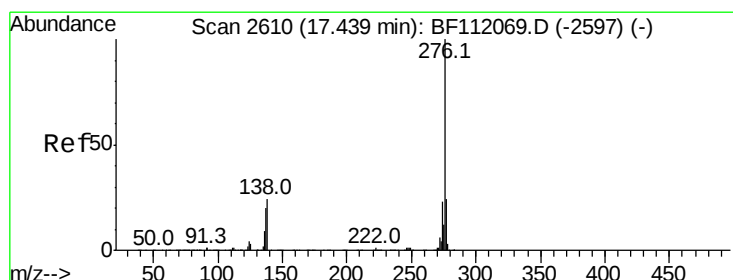
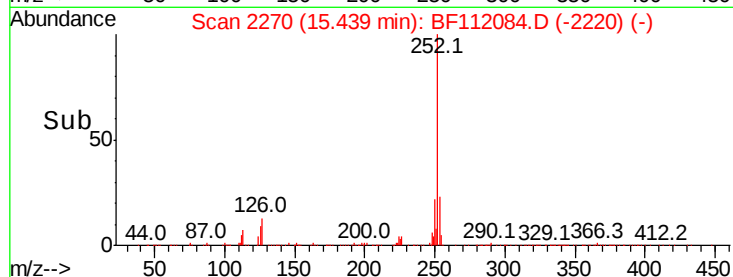
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#92
Benzo(g,h,i)perylene
Concen: 2.423 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.01 min
Lab File: BF112084.D
Acq: 17 Jan 2019 12:56

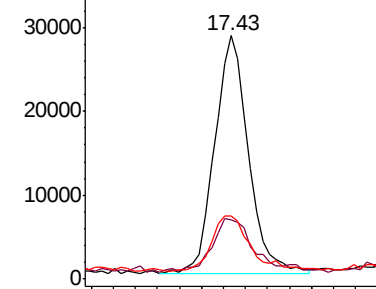
Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	19.4	29.0
138	26.2	19.1	28.7

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



Time-->

