

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113707.D
 Acq On : 10 Apr 2019 20:23
 Operator : JU/SJ
 Sample : K2200-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-040919-B

Manual Integrations
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Sohil
 4/11/2019 2:39:49 PM

Quant Time: Apr 11 04:00:40 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	136559	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	522775	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	227008	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	370319	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	338942	20.00	ng	-0.02
87) Perylene-d12	15.24	264	240778	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	407804	50.92	ng	0.00
7) Phenol-d6	6.33	99	559022	56.64	ng	0.00
23) Nitrobenzene-d5	7.25	82	307416	34.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	122389	44.88	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	590472	41.87	ng	-0.02
79) Terphenyl-d14	12.77	244	504931	30.33	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.57	152	51906	2.251	ng	Qvalue 98
50) Dimethylphthalate	9.43	163	51964	3.105	ng	99
58) Fluorene	10.26	166	55460	3.621	ng	97
71) Phenanthrene	11.22	178	421755	22.920	ng	98
72) Anthracene	11.27	178	101432	5.418	ng	98
75) Fluoranthene	12.40	202	404578	20.518	ng	99
78) Pyrene	12.63	202	493336	19.129	ng	99
81) Benzo(a)anthracene	13.82	228	220988	11.303	ng	95
83) Chrysene	13.85	228	208591	10.524	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	52300	2.858	ng	99
88) Benzo(b)fluoranthene	14.84	252	148660m	10.086	ng	
89) Benzo(k)fluoranthene	14.86	252	49411m	3.735	ng	
90) Benzo(a)pyrene	15.18	252	120373	9.191	ng	# 95
92) Benzo(a,h,i)perylene	17.02	276	59320	4.745	ng	94

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

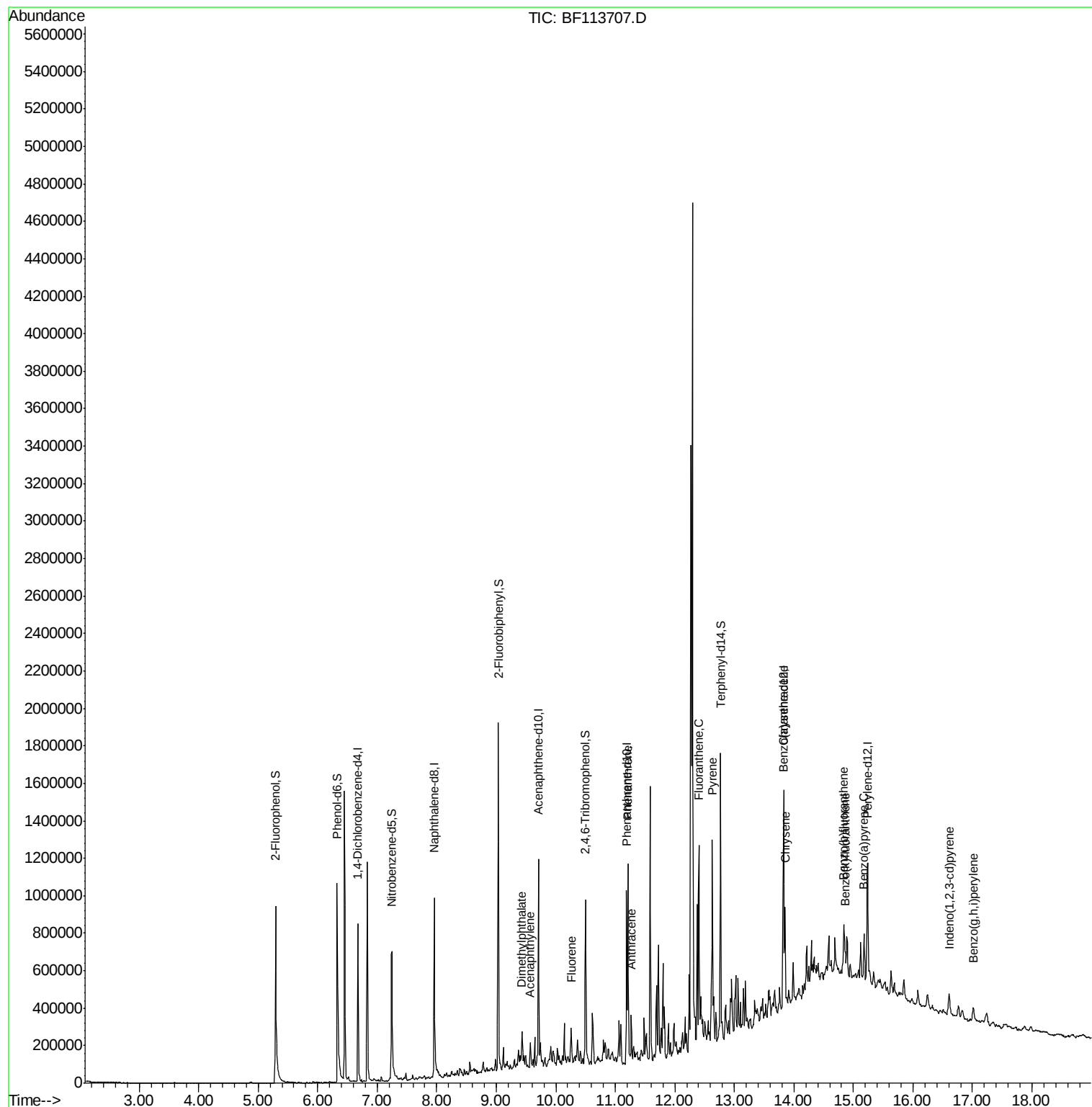
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
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ALS Vial : 13 Sample Multiplier: 1

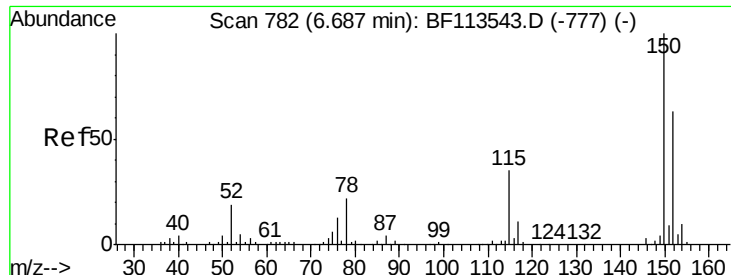
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
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#1

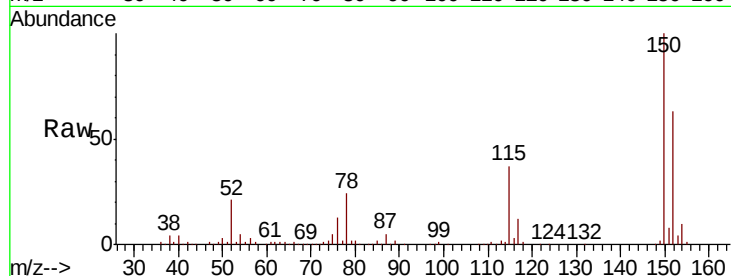
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.7	187.1
115	58.6	46.0	69.0

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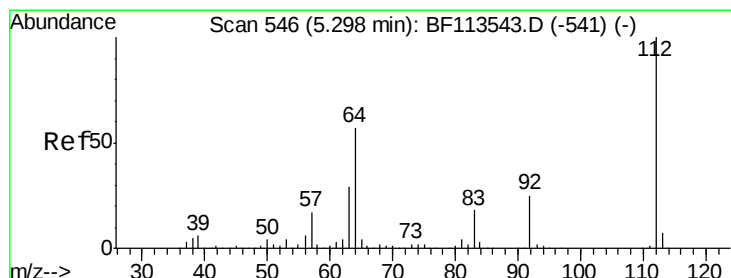
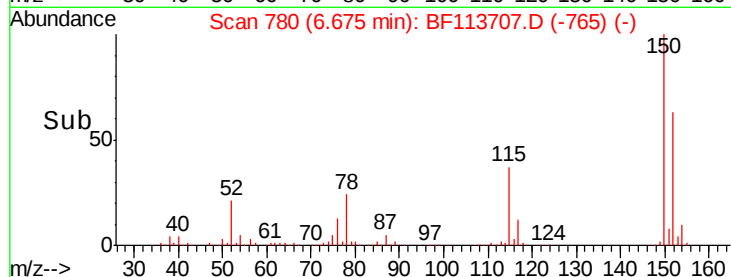
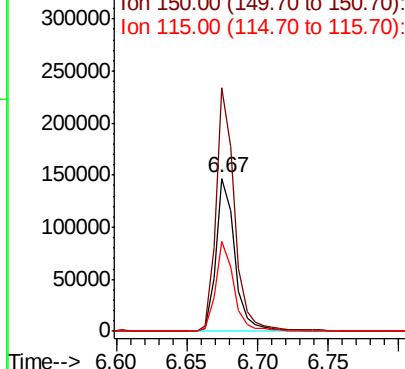


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

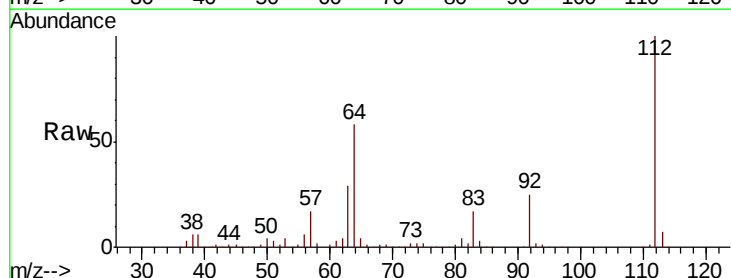
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.923 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	49.2	73.8
63	29.0	24.9	37.3

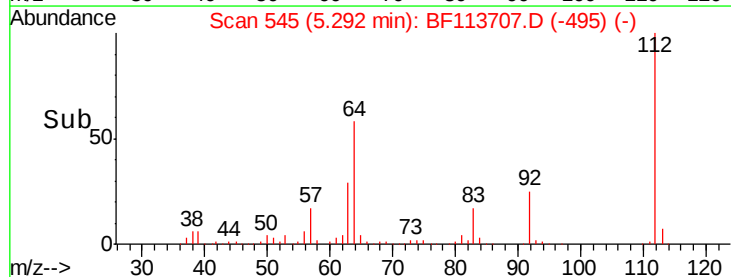
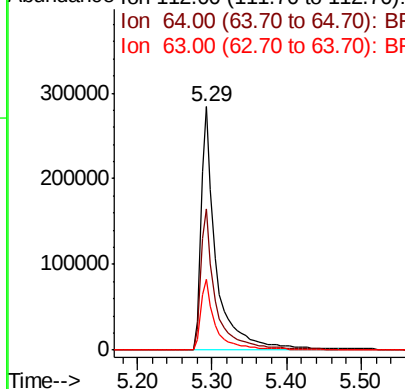


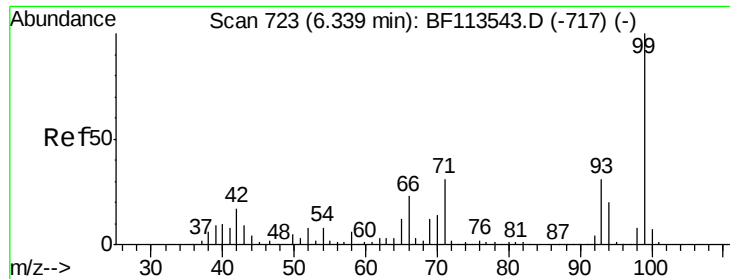
Abundance

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: 56.637 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

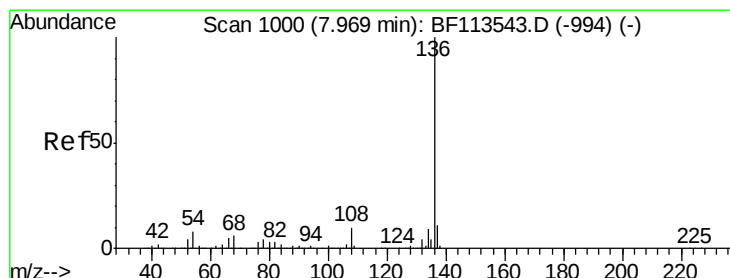
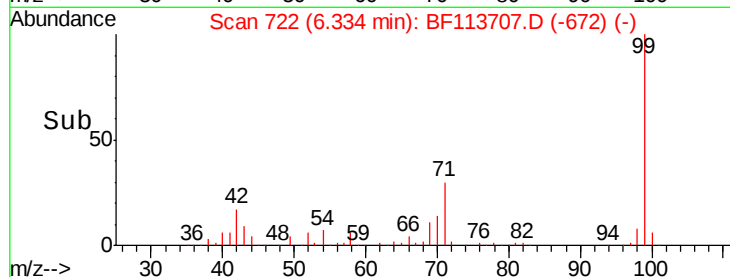
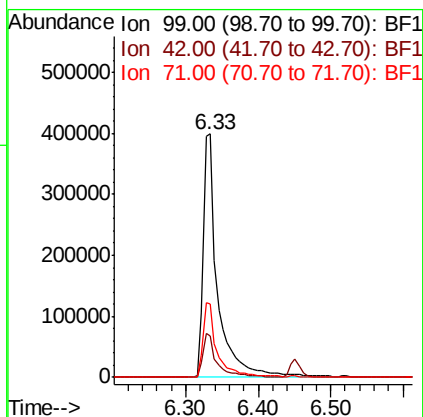
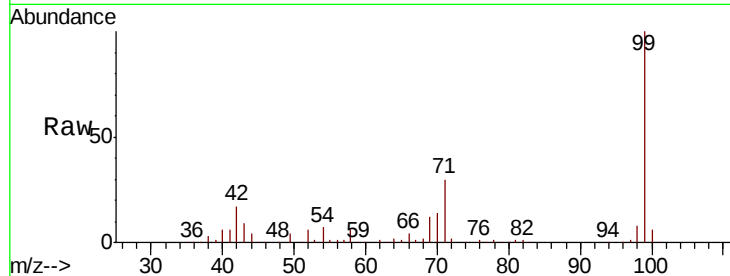
ClientSampleId :

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Tot Ion:	99	Resp:	559022
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.8	22.2
71	30.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

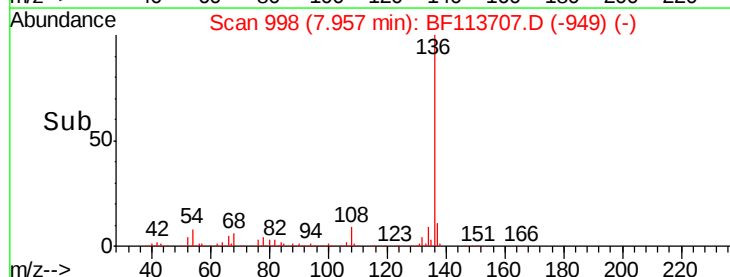
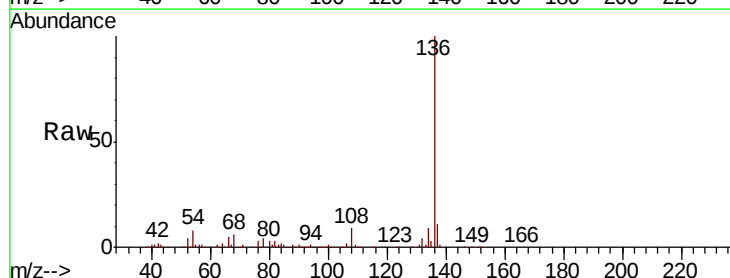
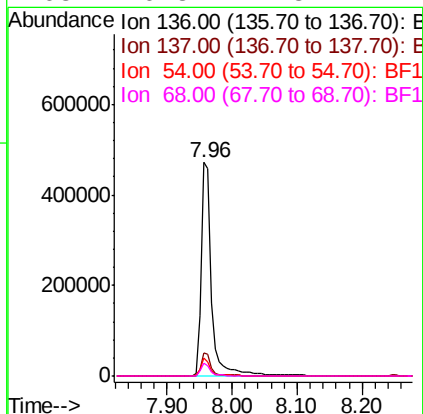
RT: 7.96 min Scan# 998

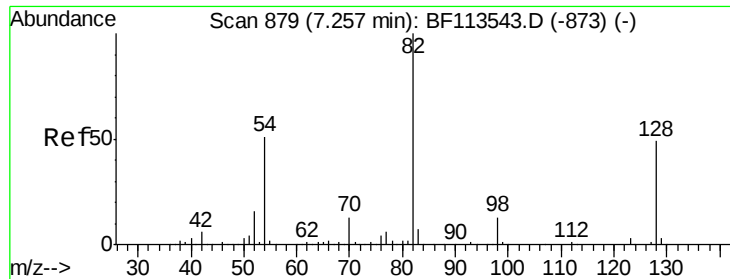
Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Tgt Ion:	136	Resp:	522775
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.5	7.0	10.6
68	6.3	4.8	7.2





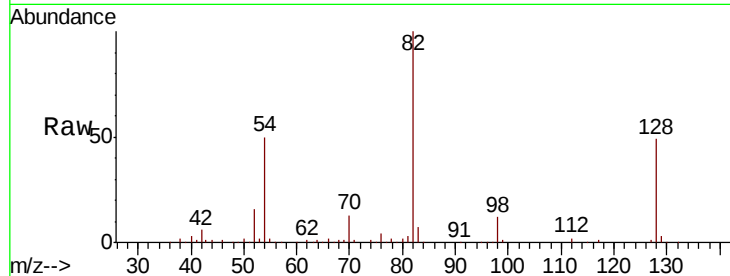
#23
Nitrobenzene-d5
Concen: 34.445 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

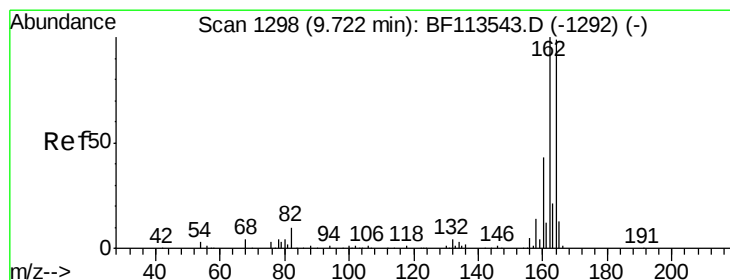
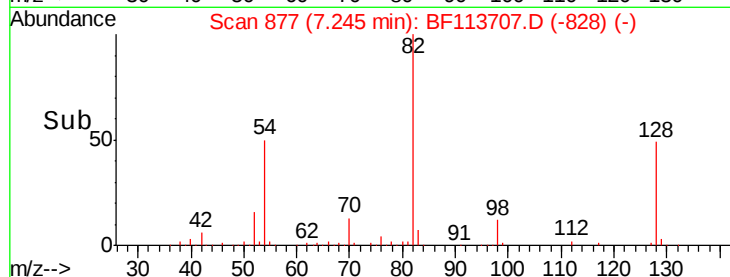
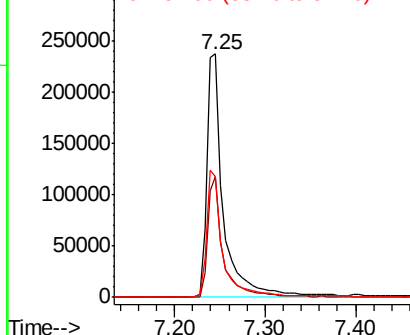
Tot Ion	82	Resp	307416
Ion Ratio	Lower	Upper	
82	100		
128	49.3	36.5	54.7
54	49.5	42.2	63.2

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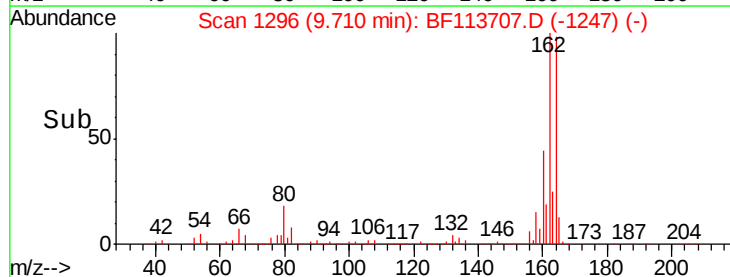
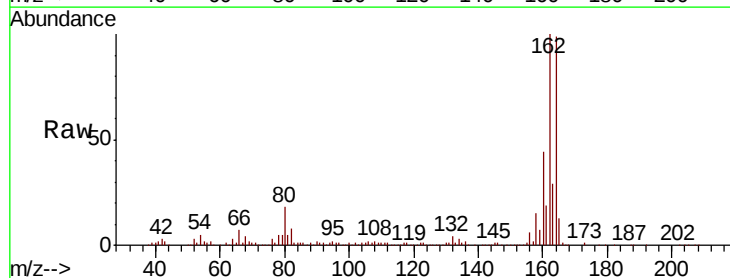
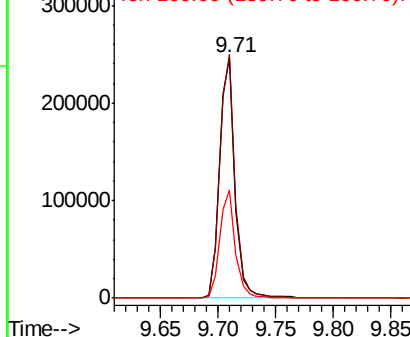
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	164	Resp	227008
Ion Ratio	Lower	Upper	
164	100		
162	101.5	81.8	122.6
160	45.0	36.4	54.6

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 44.882 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

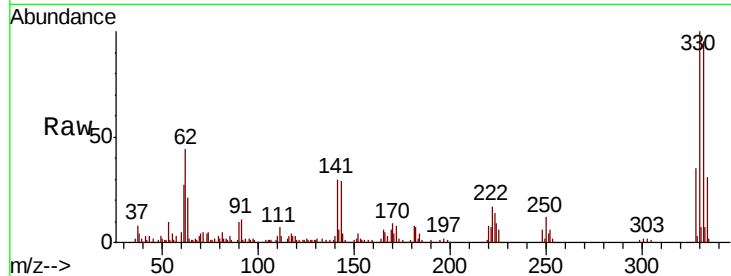
ClientSampleId :

EO-01-040919-B

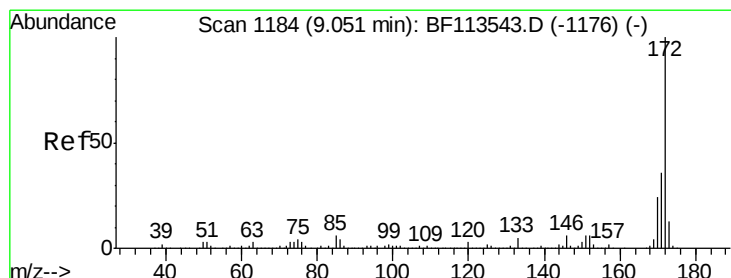
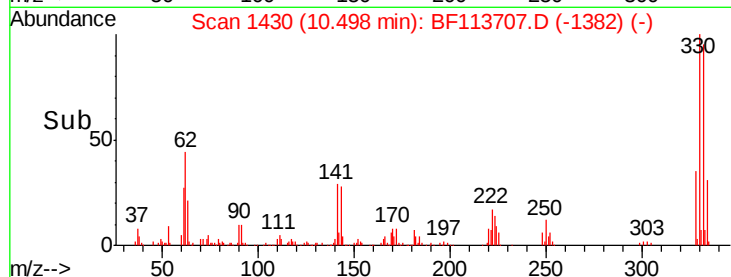
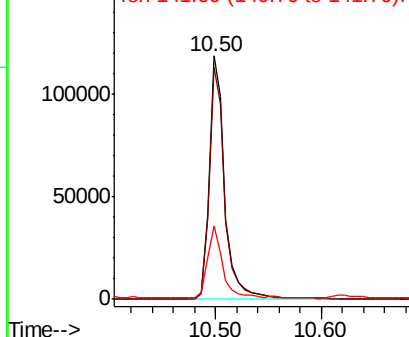
Tot Ion:	330	Resp:	122389
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.8	116.6
141	28.1	22.7	34.1

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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: 41.875 ng

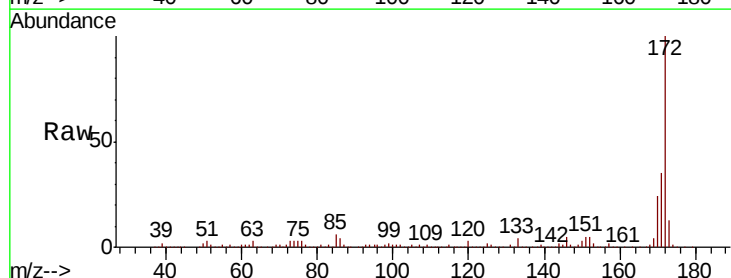
RT: 9.03 min Scan# 1181

Delta R.T. -0.02 min

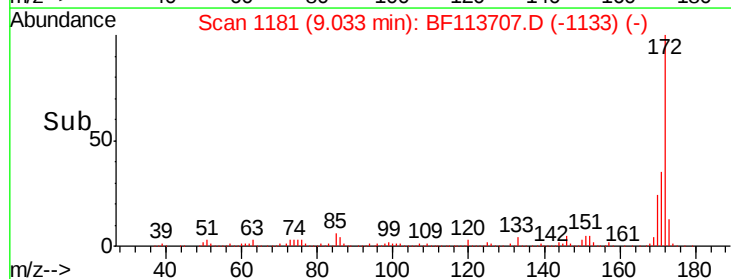
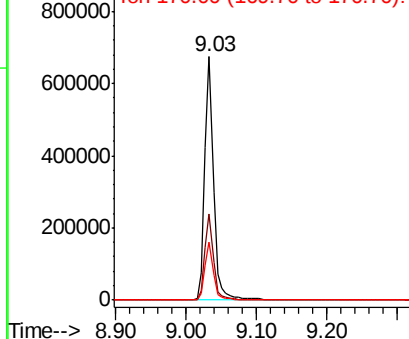
Lab File: BF113707.D

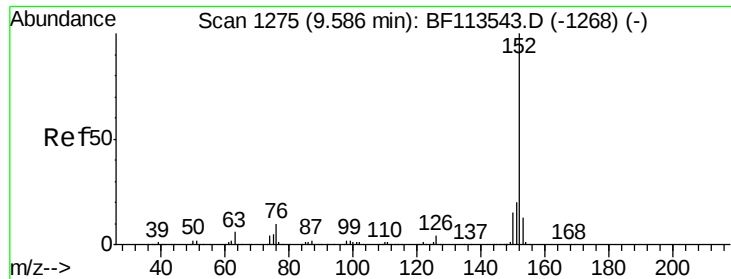
Acq: 10 Apr 2019 20:23

Tgt Ion:	172	Resp:	590472
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.0	43.6
170	23.6	19.5	29.3



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





#49

Acenaphthylene

Concen: 2.251 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

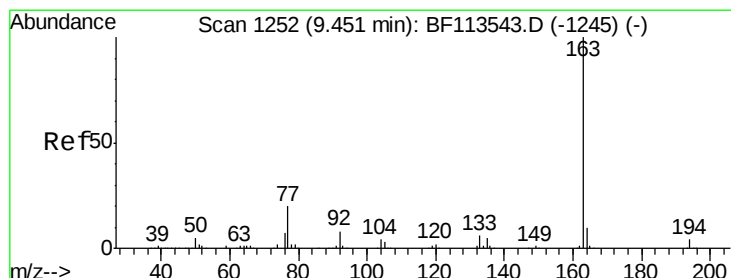
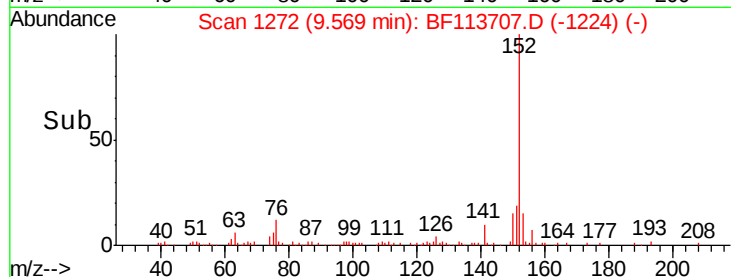
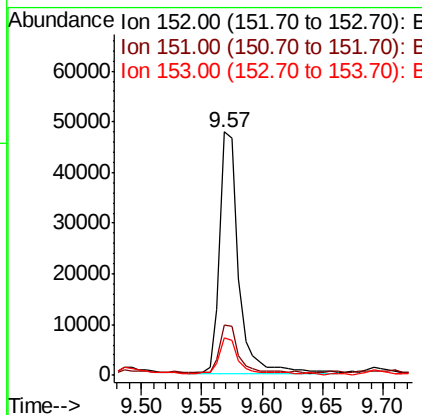
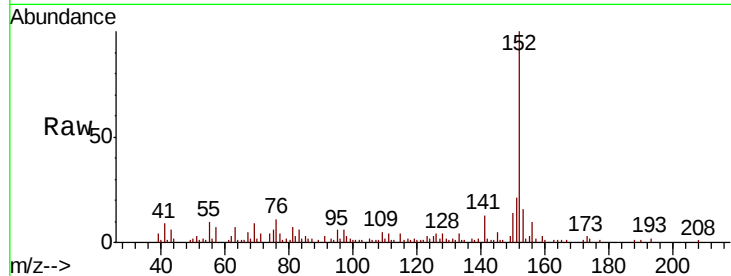
ClientSampleId :

EO-01-040919-B

Tot Ion:	152	Resp:	51906
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.4
153	15.6	11.0	16.6

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#50

Dimethylphthalate

Concen: 3.105 ng

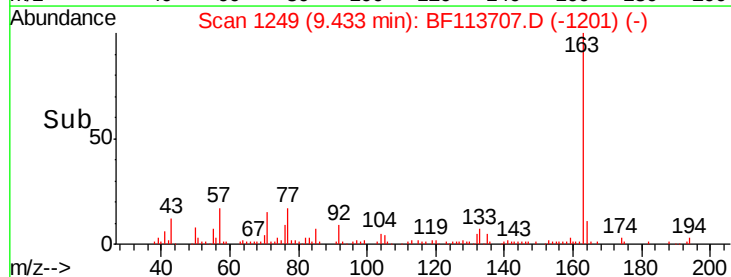
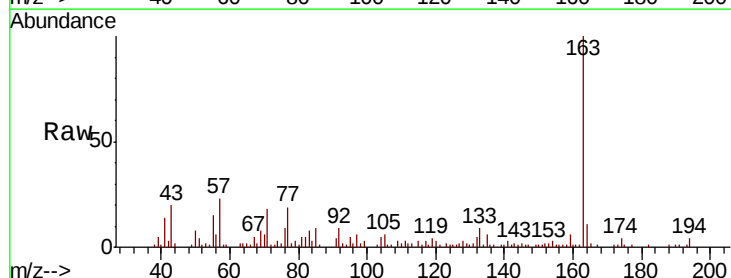
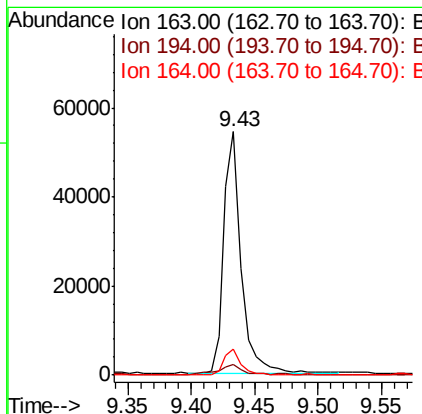
RT: 9.43 min Scan# 1249

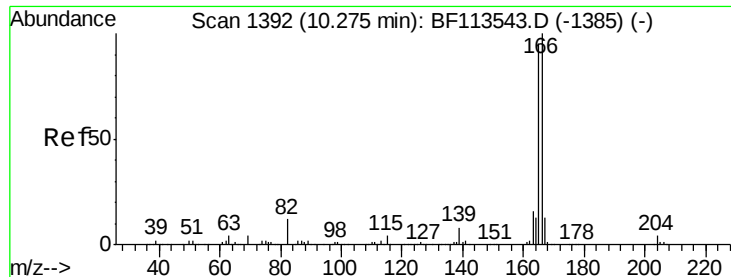
Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Tgt Ion:	163	Resp:	51964
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.5	8.1	12.1





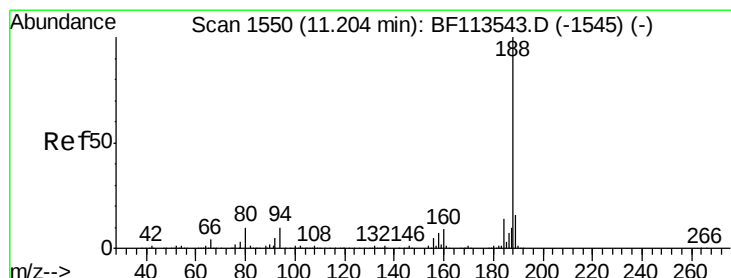
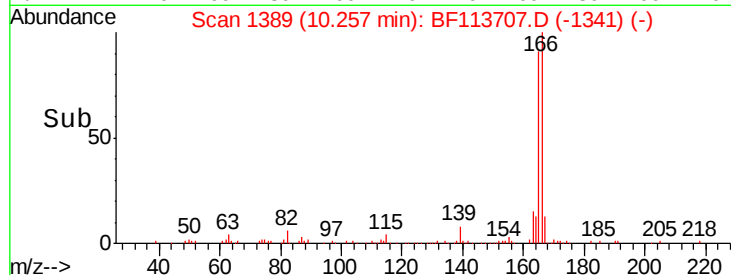
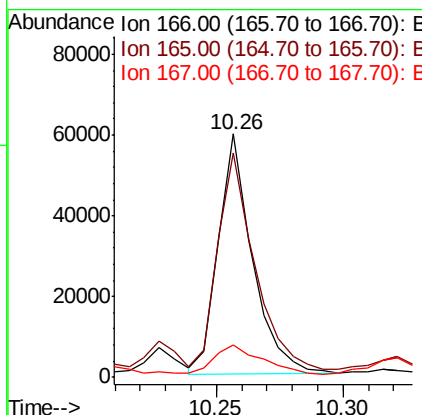
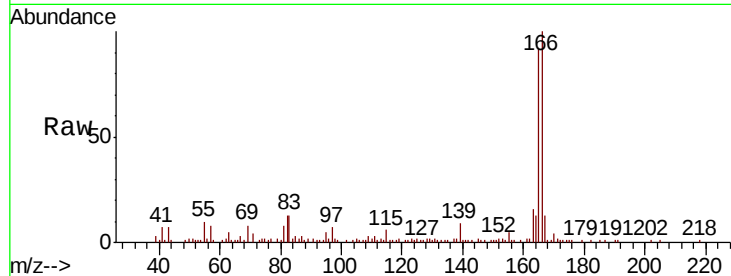
#58
 Fluorene
 Concen: 3.621 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: BF113707.D
 Acq: 10 Apr 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-040919-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		55460		
165	92.4	76.2	114.2		
167	13.4	10.7	16.1		

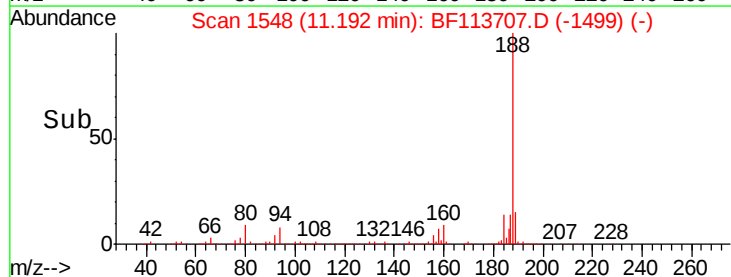
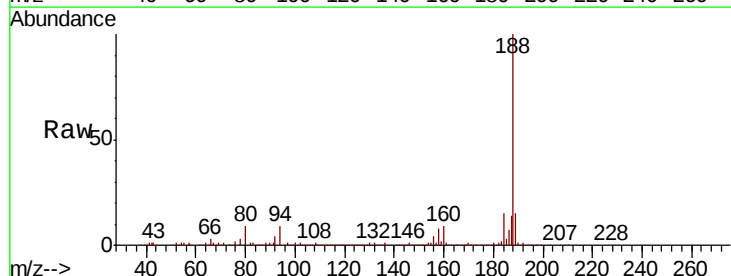
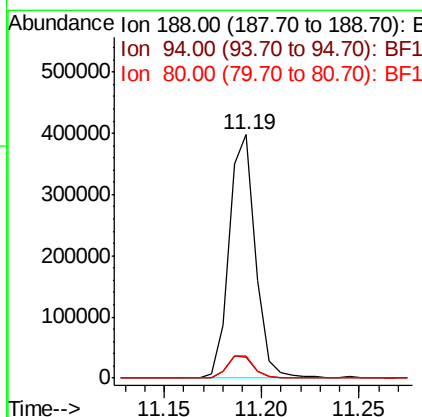
Manual Integrations
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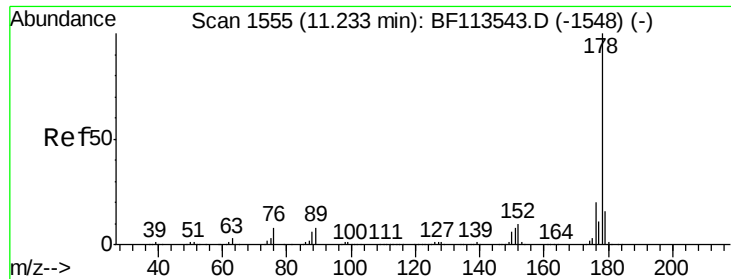
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF113707.D
 Acq: 10 Apr 2019 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		370319		
94	8.6	7.0	10.6		
80	8.9	7.7	11.5		





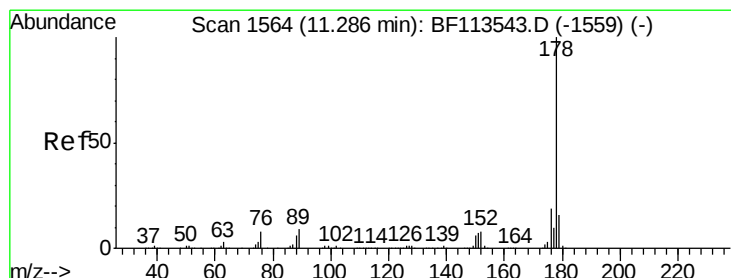
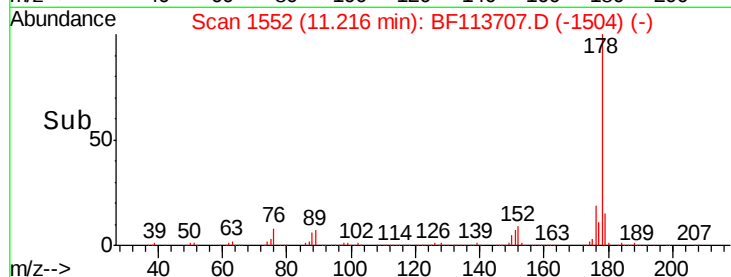
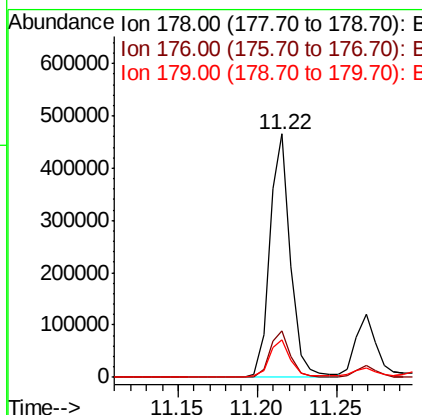
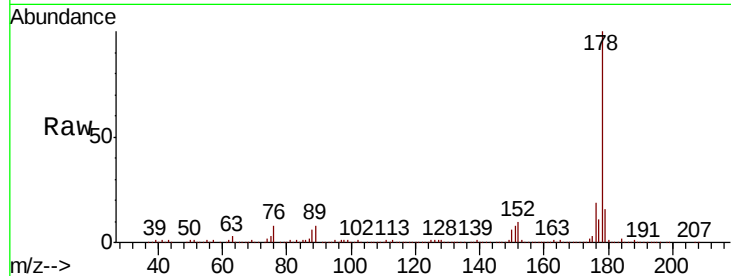
#71
Phenanthrene
Concen: 22.920 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	15.7	12.7	19.1

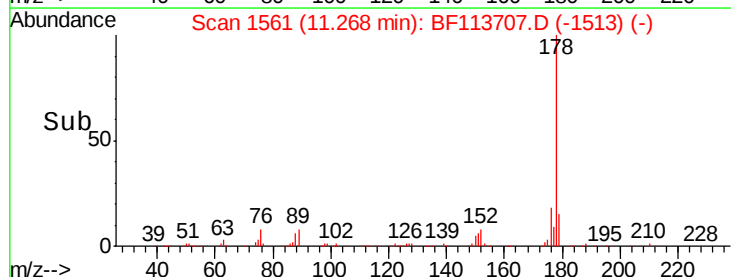
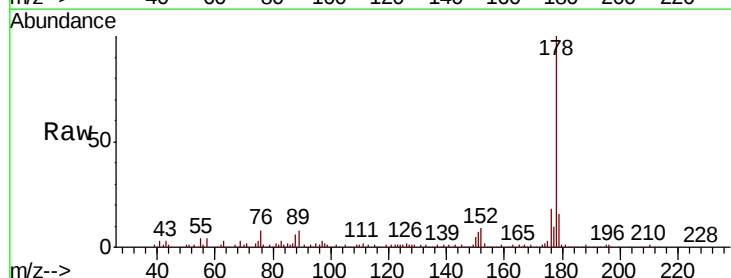
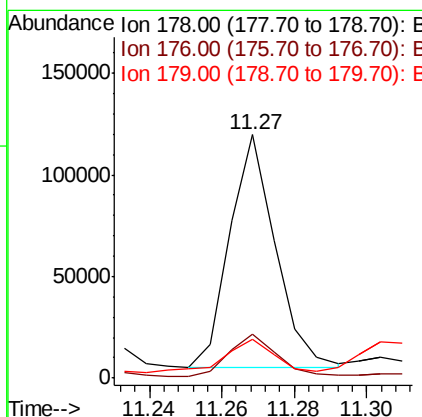
Manual Integrations
APPROVED

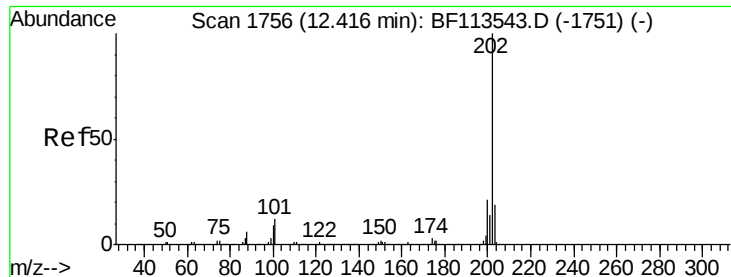
Sohil
4/11/2019 2:39:49 PM



#72
Anthracene
Concen: 5.418 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.0	12.8	19.2





#75

Fluoranthene

Concen: 20.518 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

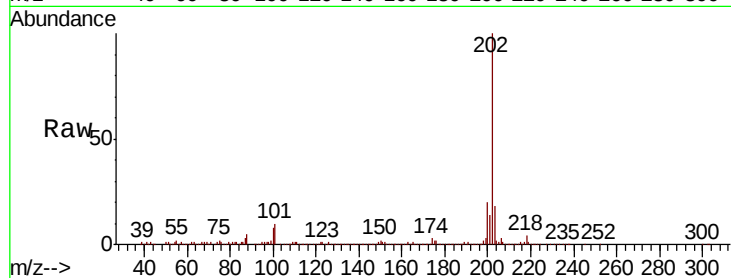
ClientSampleId :

EO-01-040919-B

Tot Ion:	202	Resp:	404578
Ion Ratio		Lower	Upper
202	100		
101	10.1	0.0	31.4
203	18.0	0.0	38.0

Manual Integrations
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4/11/2019 2:39:49 PM

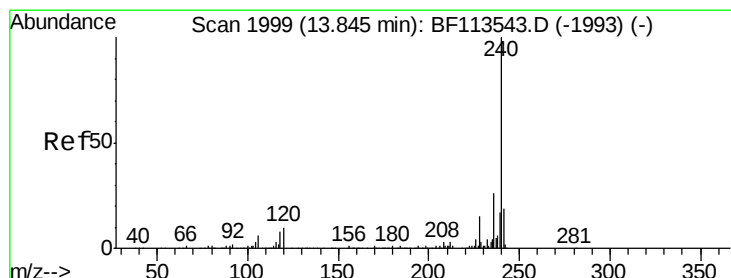
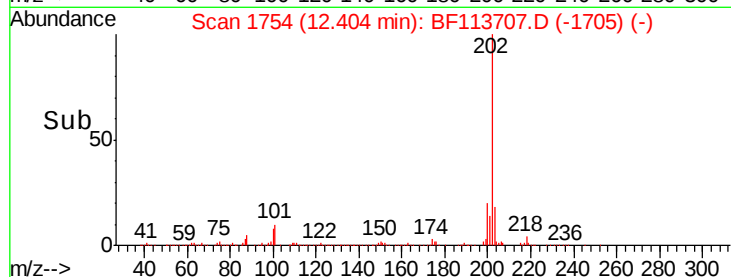
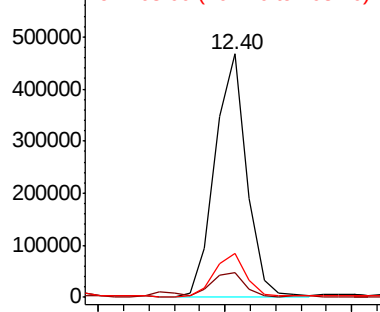


Abundance

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

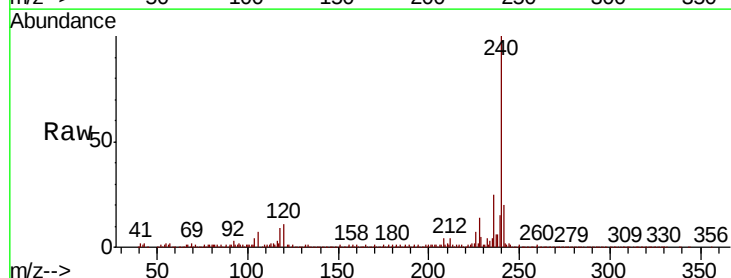
RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Tgt Ion:	240	Resp:	338942
Ion Ratio		Lower	Upper
240	100		
120	10.6	8.8	13.2
236	25.4	20.9	31.3

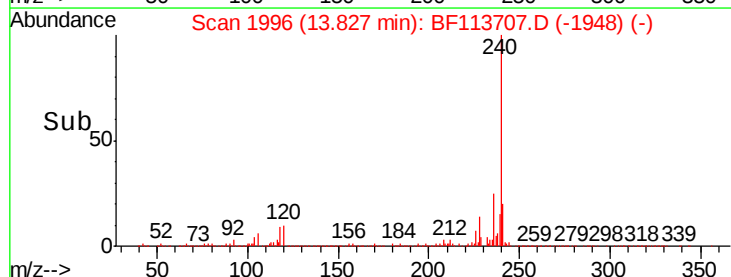
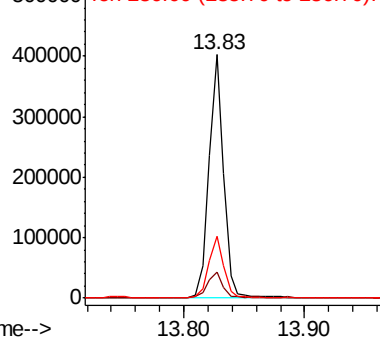


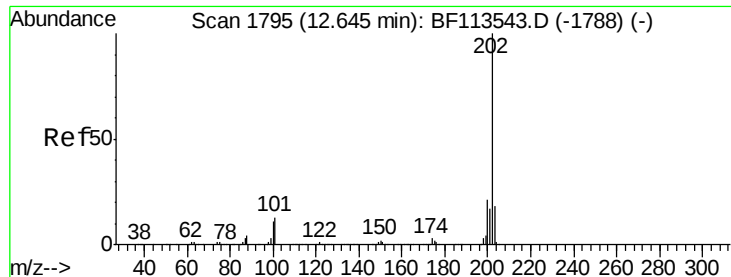
Abundance

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





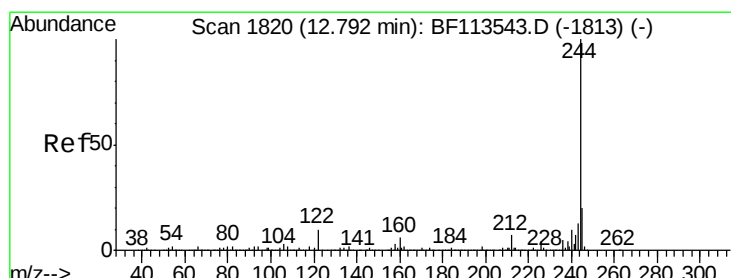
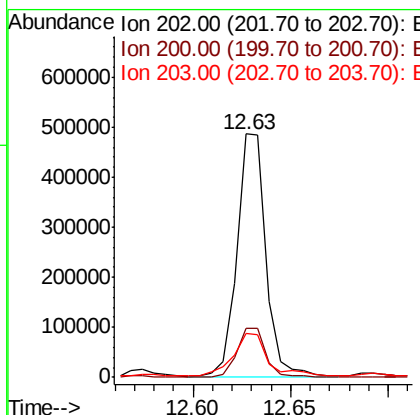
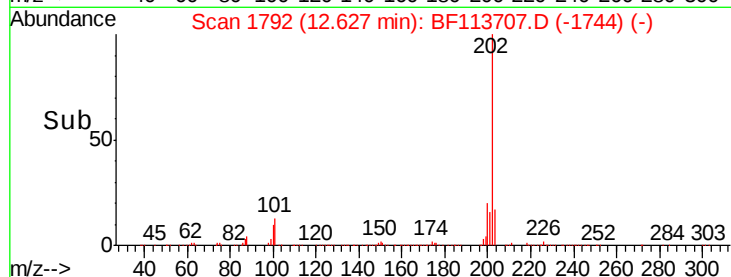
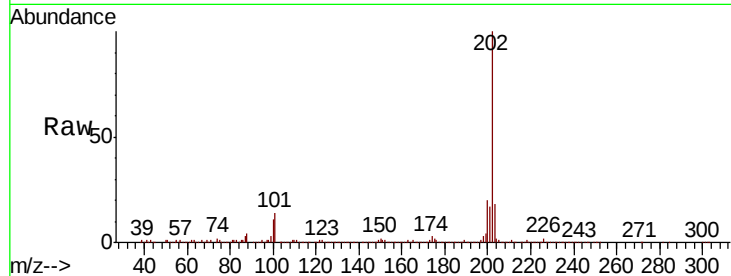
#78
Pvrene
Concen: 19.129 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	16.8	25.2
203	18.1	14.4	21.6

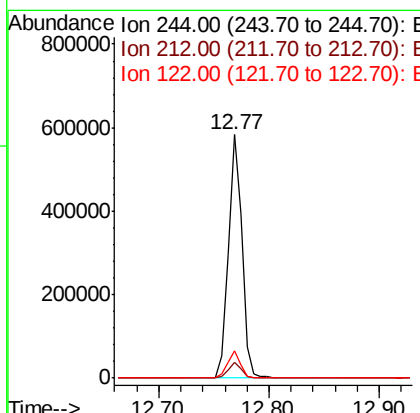
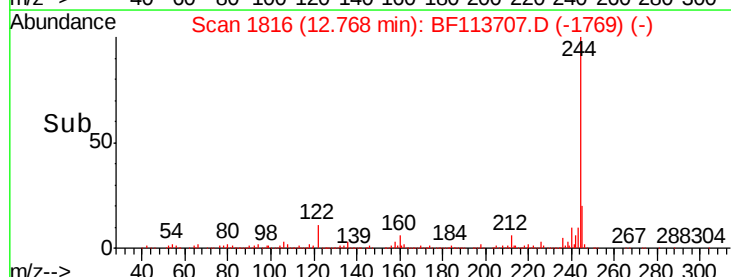
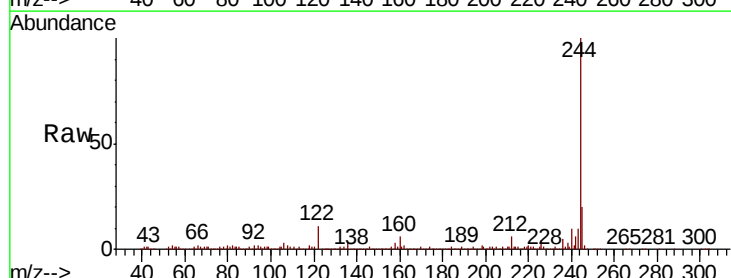
Manual Integrations
APPROVED

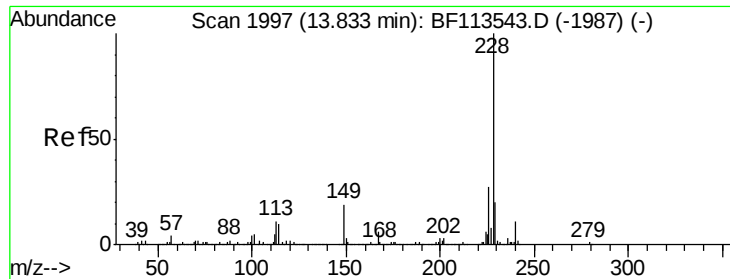
Sohil
4/11/2019 2:39:49 PM



#79
Terphenyl-d14
Concen: 30.331 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.5	8.3
122	11.1	8.6	13.0





#81

Benzo(a)anthracene

Concen: 11.303 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Instrument :

BNA_F

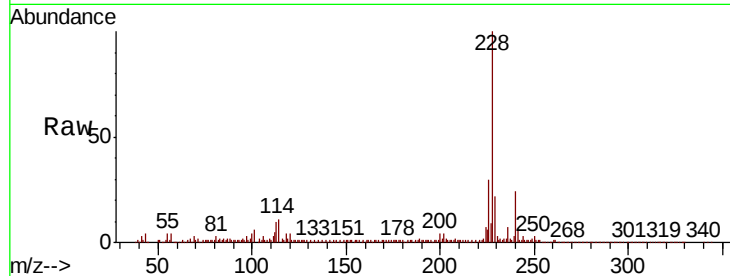
ClientSampleId :

EO-01-040919-B

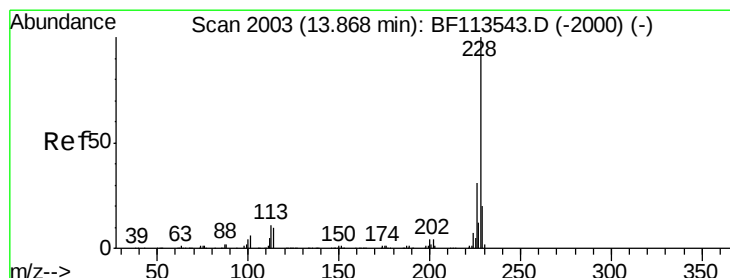
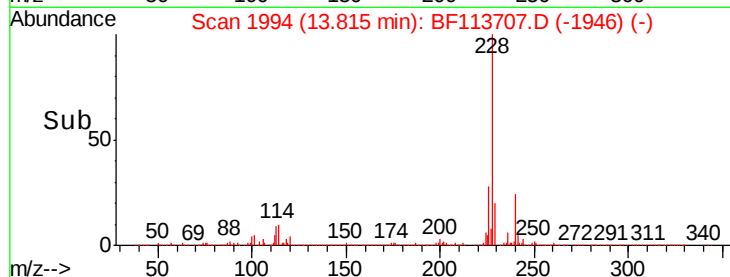
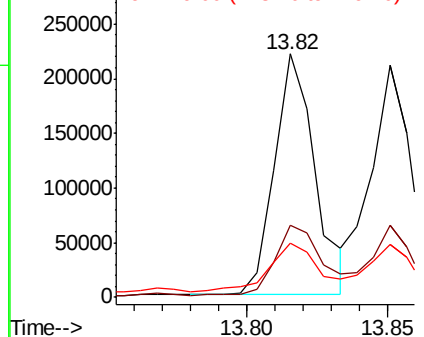
Tot Ion:	228	Resp:	220988
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.8	32.8
229	22.4	16.2	24.4

Manual Integrations
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4/11/2019 2:39:49 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.524 ng

RT: 13.85 min Scan# 2000

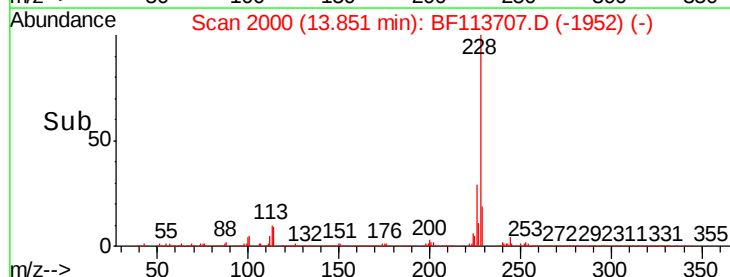
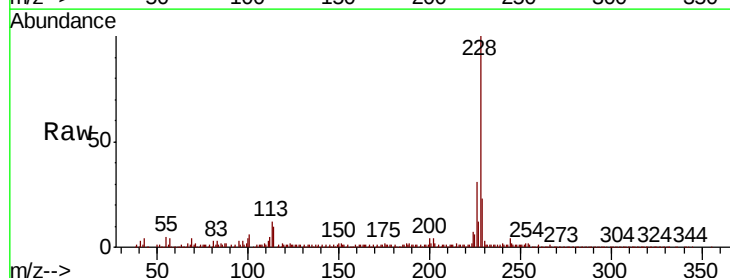
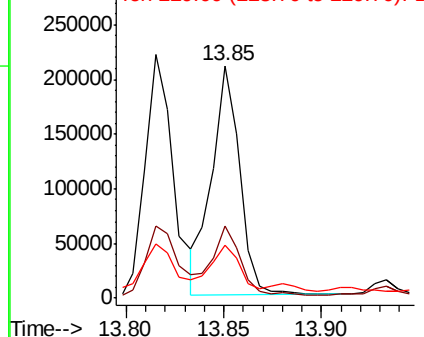
Delta R.T. -0.02 min

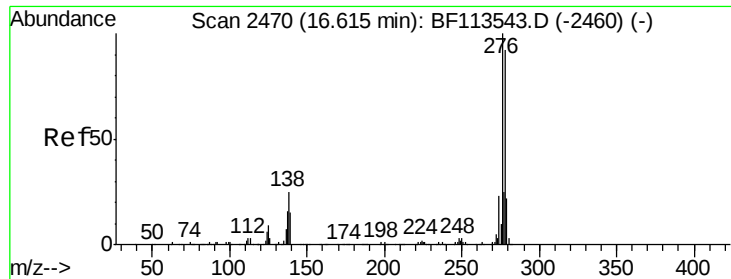
Lab File: BF113707.D

Acq: 10 Apr 2019 20:23

Tgt Ion:	228	Resp:	208591
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.3	36.5
229	22.5	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





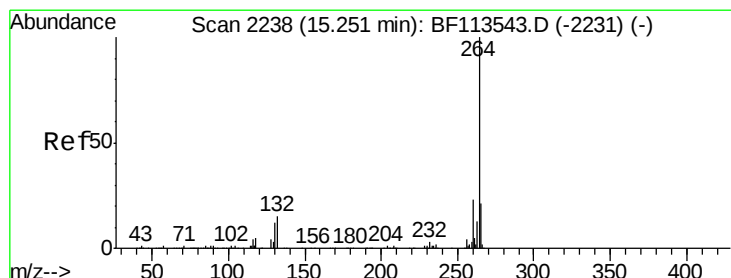
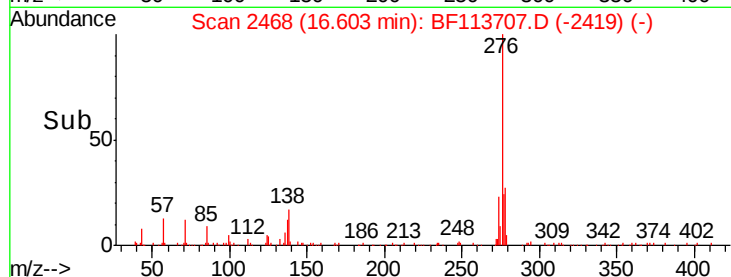
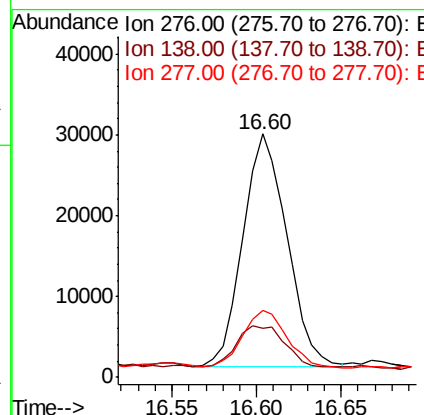
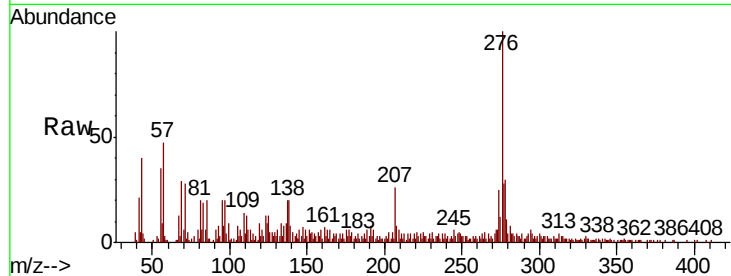
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.858 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BF113707.D
 Acq: 10 Apr 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-040919-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.1	27.1
277	25.1	20.2	30.4

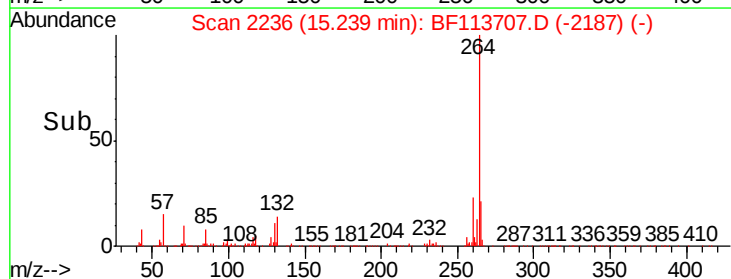
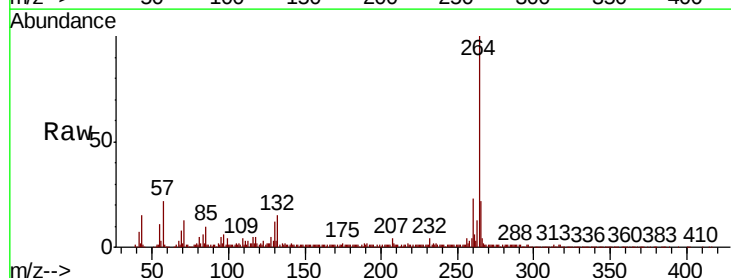
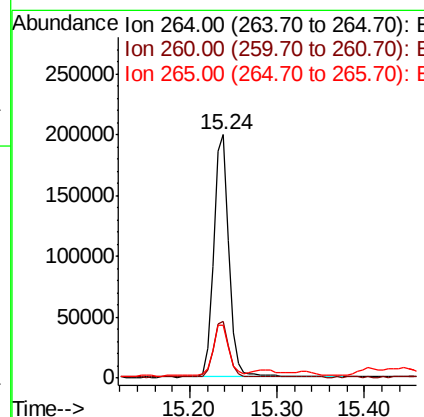
Manual Integrations
 APPROVED

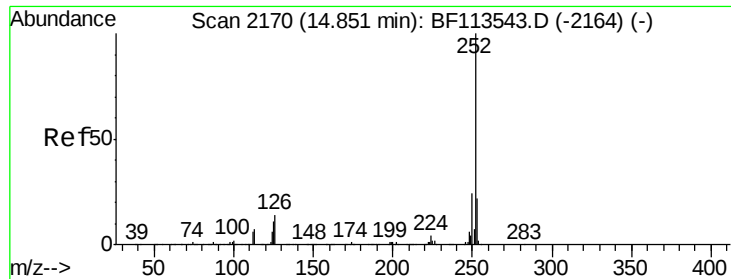
Sohil
 4/11/2019 2:39:49 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113707.D
 Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.9	17.1	25.7





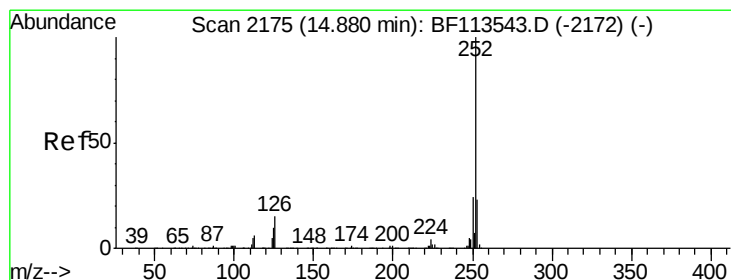
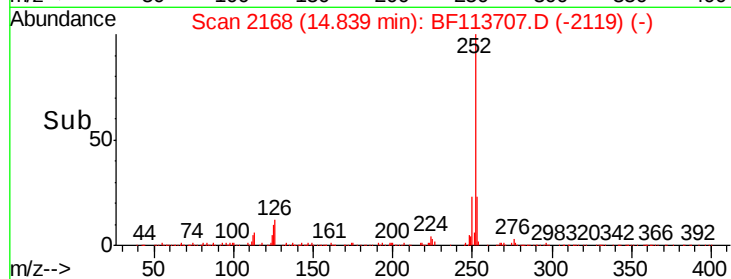
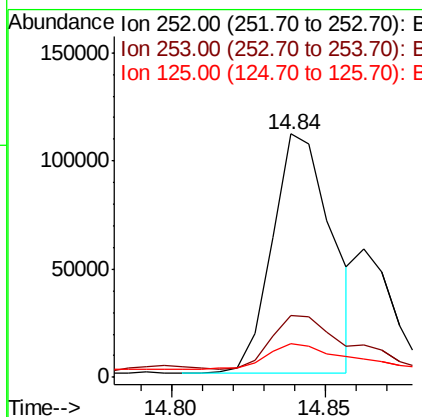
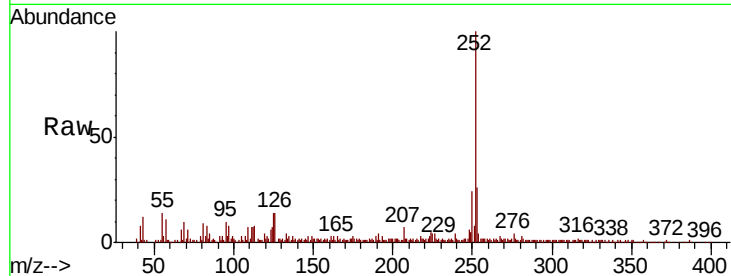
#88
Benzo(b)fluoranthene
Concen: 10.086 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	13.7	7.6	11.4

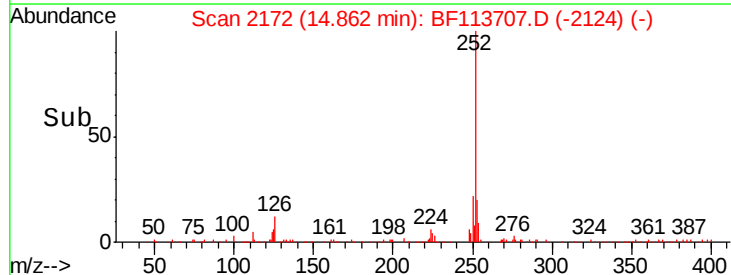
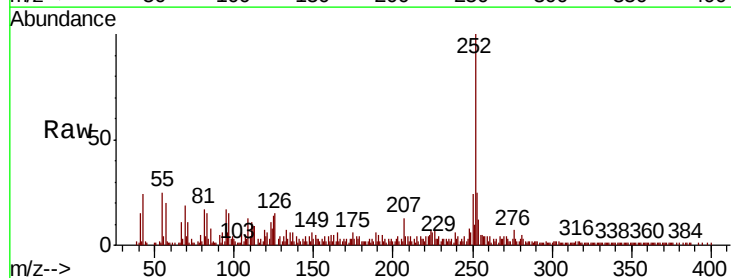
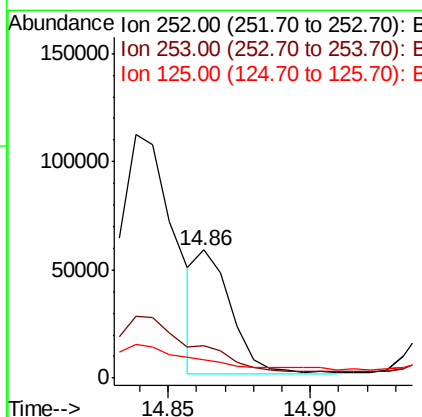
Manual Integrations
APPROVED

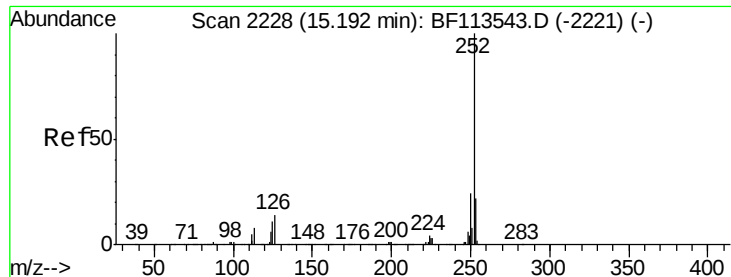
Sohil
4/11/2019 2:39:49 PM



#89
Benzo(k)fluoranthene
Concen: 3.735 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.7	26.5
125	14.5	7.3	10.9





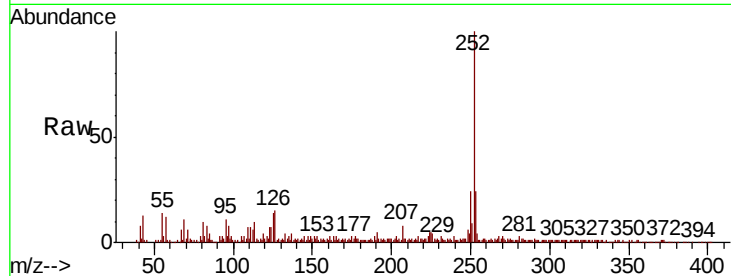
#90
Benzo(a)pyrene
Concen: 9.191 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Instrument :
BNA_F
ClientSampleId :
EO-01-040919-B

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.2	17.9	26.9	
125	13.9	8.8	13.2	

Manual Integrations
APPROVED

Sohil
4/11/2019 2:39:49 PM

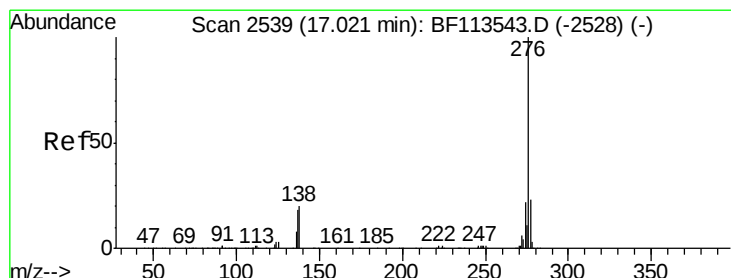
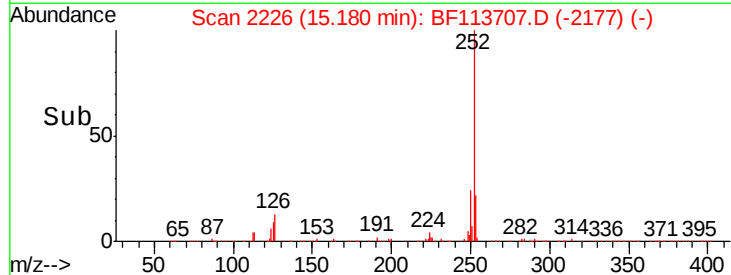
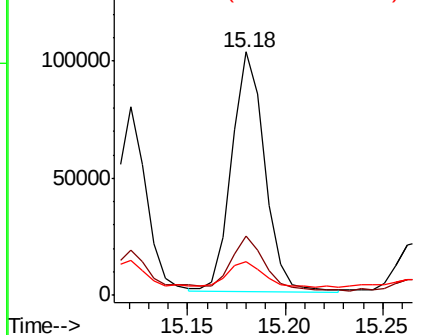


Abundance

Ion 252.00 (251.70 to 252.70): E

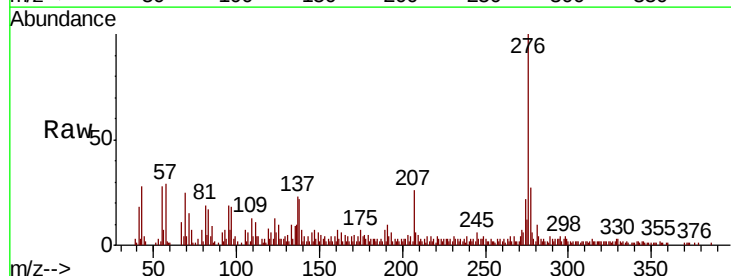
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.745 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113707.D
Acq: 10 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
277	26.8	18.8	28.2	
138	21.7	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

