Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
Data File : BF112732.D
Acq On : 27 Feb 2019 21:23
Operator : JU/SJ
Sample : K1353-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

Manual Integrations APPROVED
Sohil
2/28/2019 12:47:17 PM

Quant Time: Feb 28 03:20:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	169122	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	591833	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243218	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	481106	20.00	ng	0.00
76) Chrysene-d12	13.87	240	473609	20.00	ng	0.00
87) Perylene-d12	15.28	264	335756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	211665	19.47	ng	-0.01
7) Phenol-d6	6.36	99	263047	19.26	ng	-0.01
23) Nitrobenzene-d5	7.29	82	133360	13.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	48052	18.61	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	209240	1.87	ng	0.00
79) Terphenyl-d14	12.83	244	232176	9.50	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.27	178	160847	6.720	ng	99
75) Fluoranthene	12.45	202	256767	10.012	ng	95
78) Pyrene	12.68	202	254222	6.367	ng	98
81) Benzo(a)anthracene	13.86	228	116935	3.562	ng	95
83) Chrysene	13.89	228	107846	3.354	ng	97
88) Benzo(b)fluoranthene	14.88	252	115188m	5.304	ng	
90) Benzo(a)pyrene	15.22	252	70459	3.668	ng	# 90
92) Benzo(g,h,i)perylene	17.03	276	35040	2.129	ng	97

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

Quantitation Report (LSC Reviewed)

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Data File : BF112732.D
Acq On : 27 Feb 2019 21:23
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

Manual Integrations APPROVED
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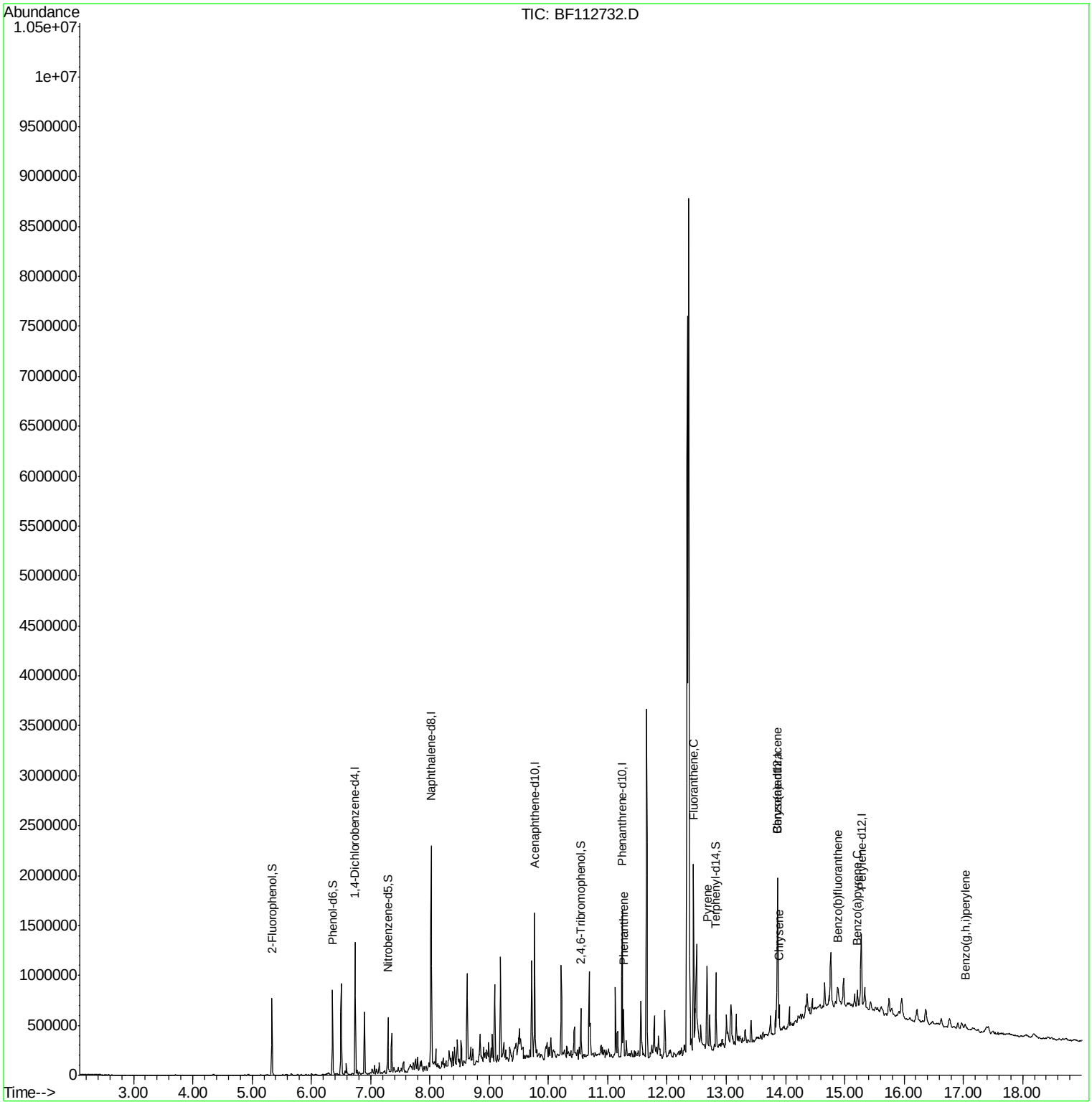
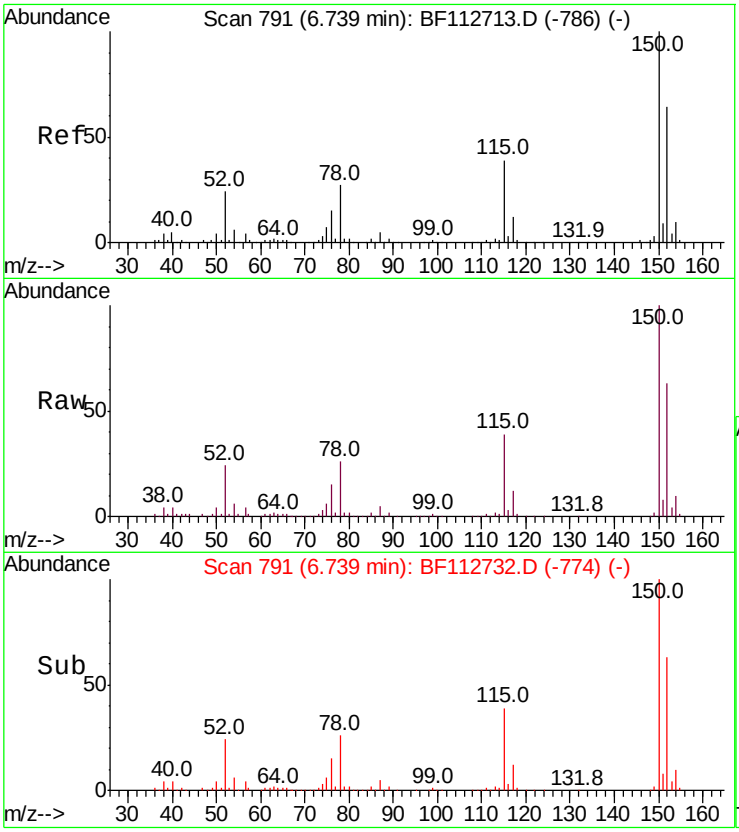
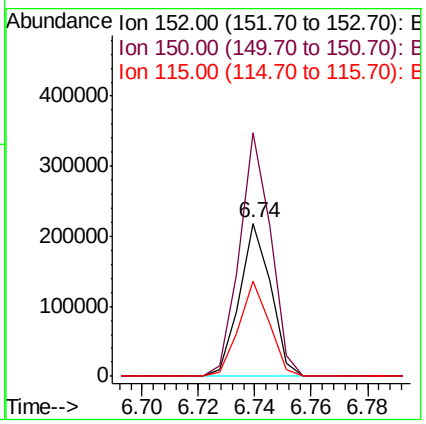




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:152 Resp: 169122

Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.2	186.2
115	62.5	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

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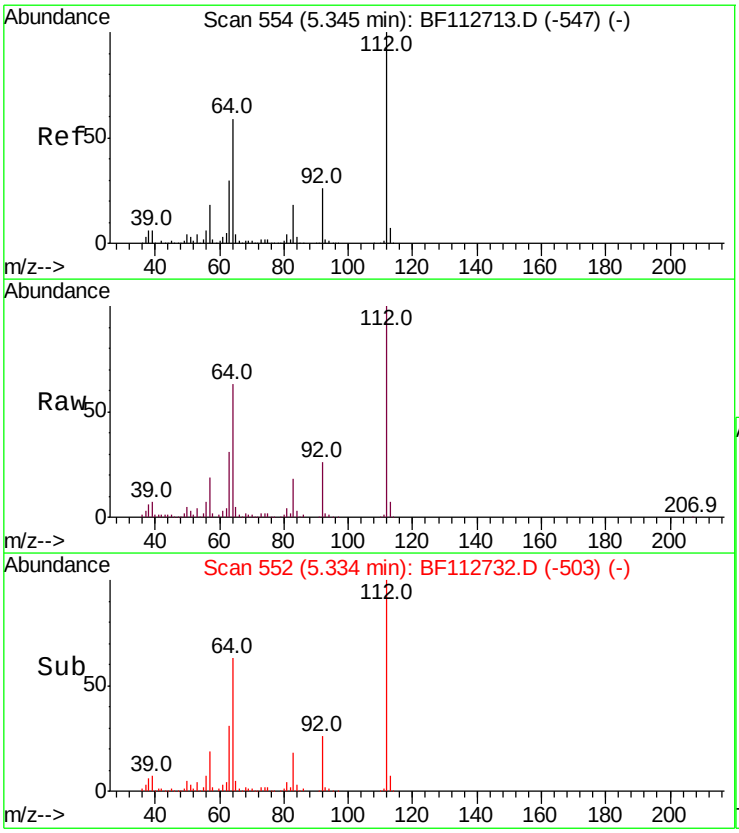
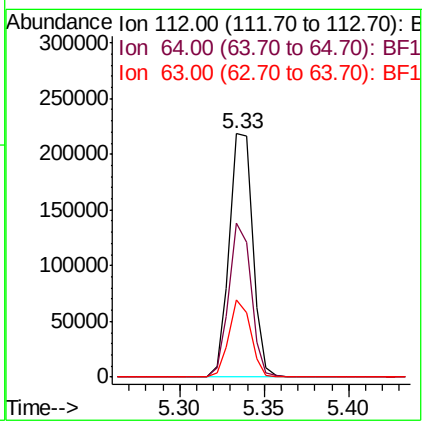
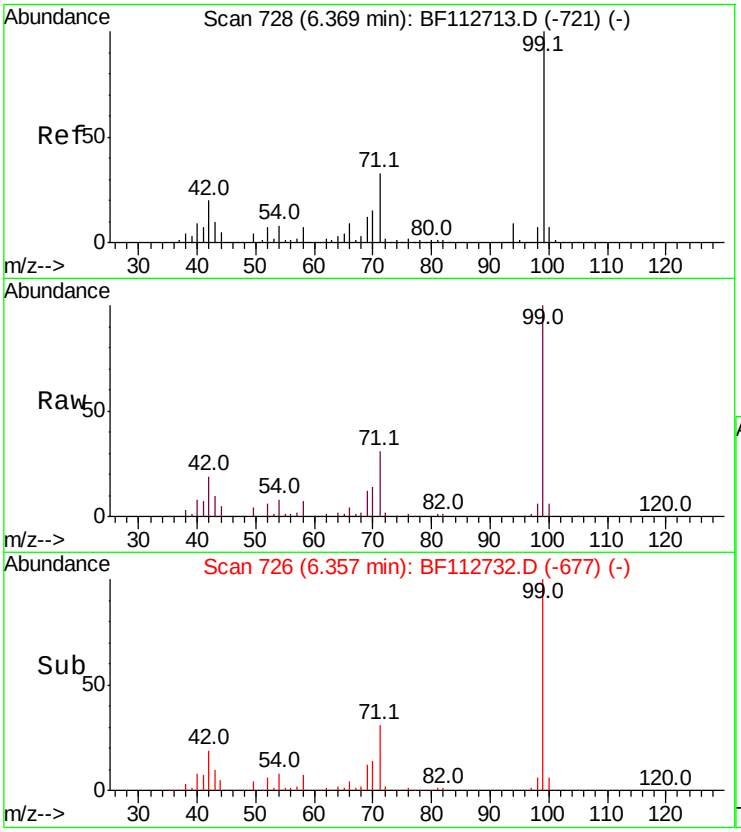


#5
2-Fluorophenol
Concen: 19.468 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:112 Resp: 211665

Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.6	71.4
63	31.5	24.4	36.6

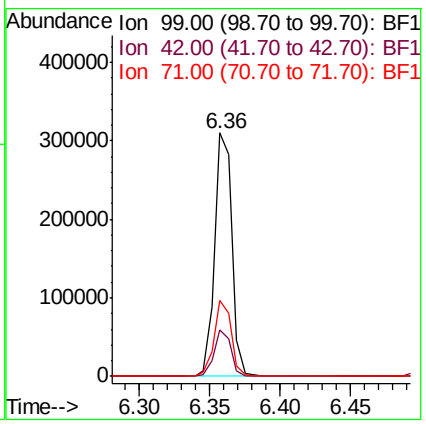




#7
Phenol-d6
Concen: 19.261 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion: 99 Resp: 263047

Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.3	24.5
71	31.4	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

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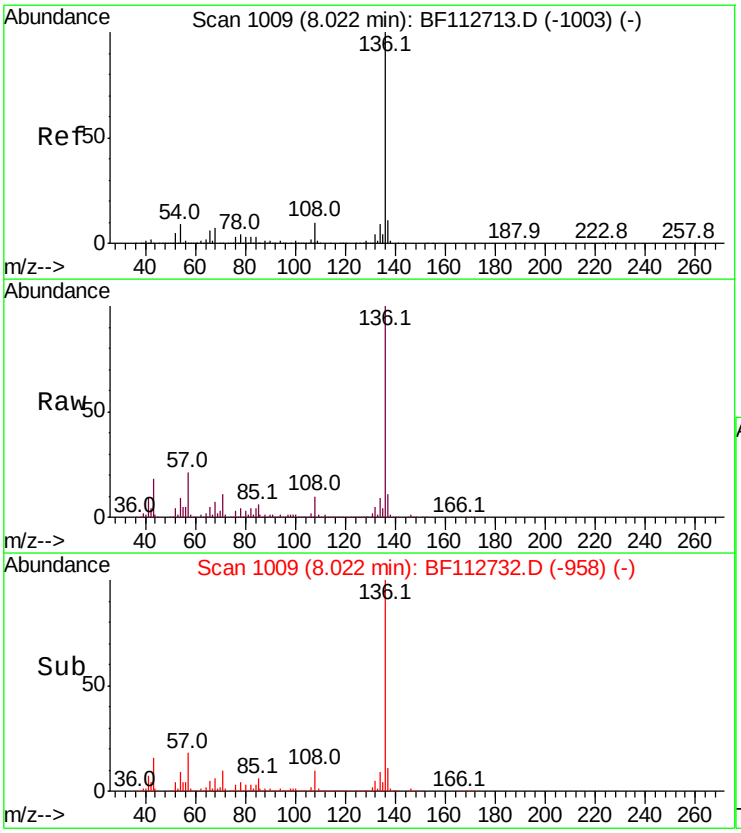
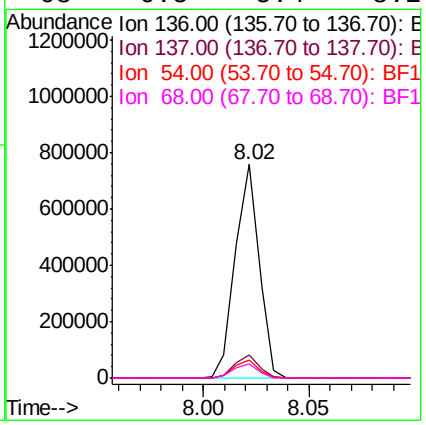
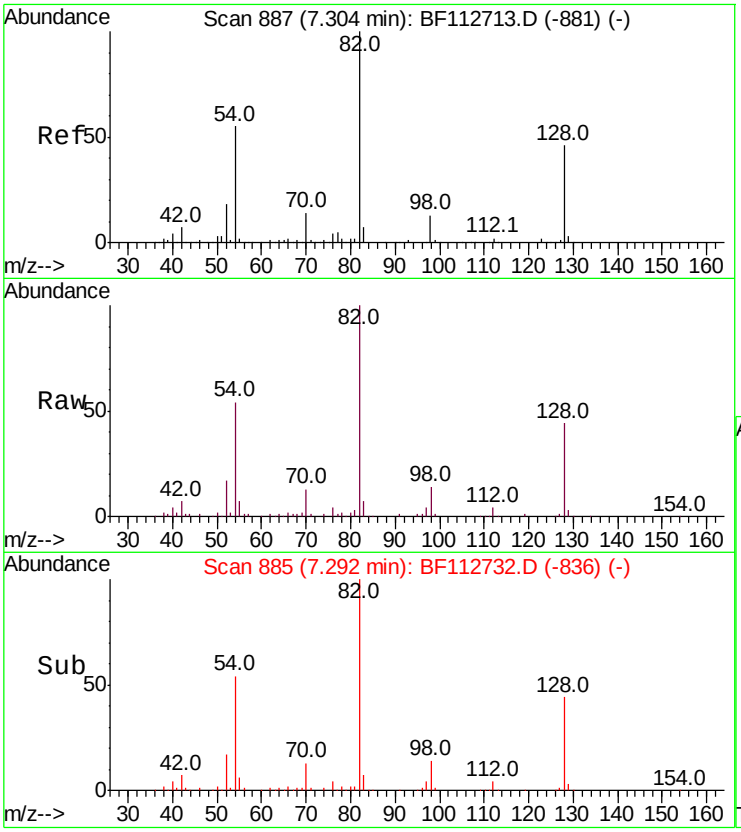


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:136 Resp: 591833

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	7.3	10.9
68	6.5	5.4	8.2

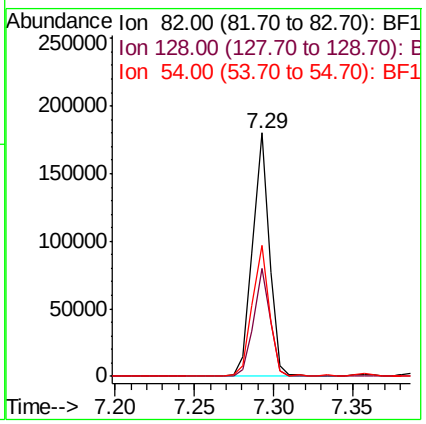




#23
Nitrobenzene-d5
Concen: 13.484 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion: 82 Resp: 133360

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.3	54.5
54	53.7	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

Manual Integrations APPROVED
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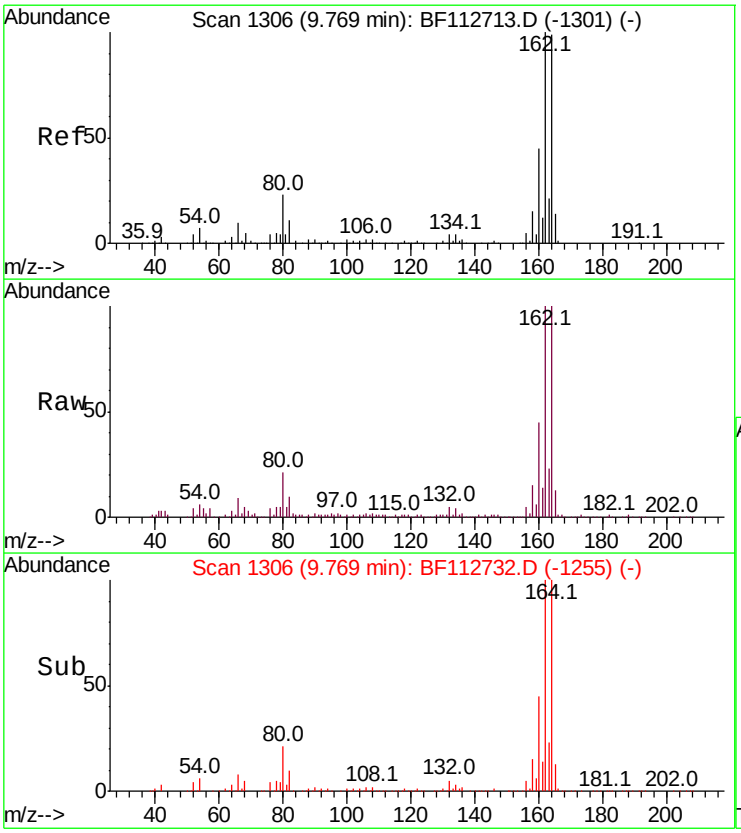
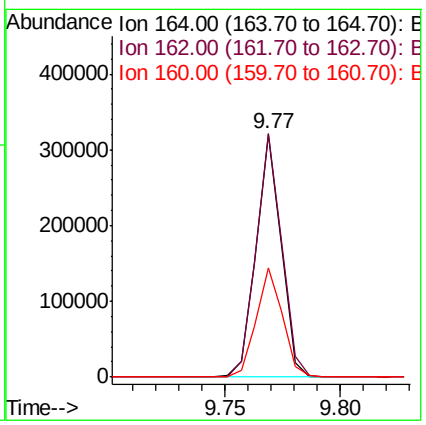
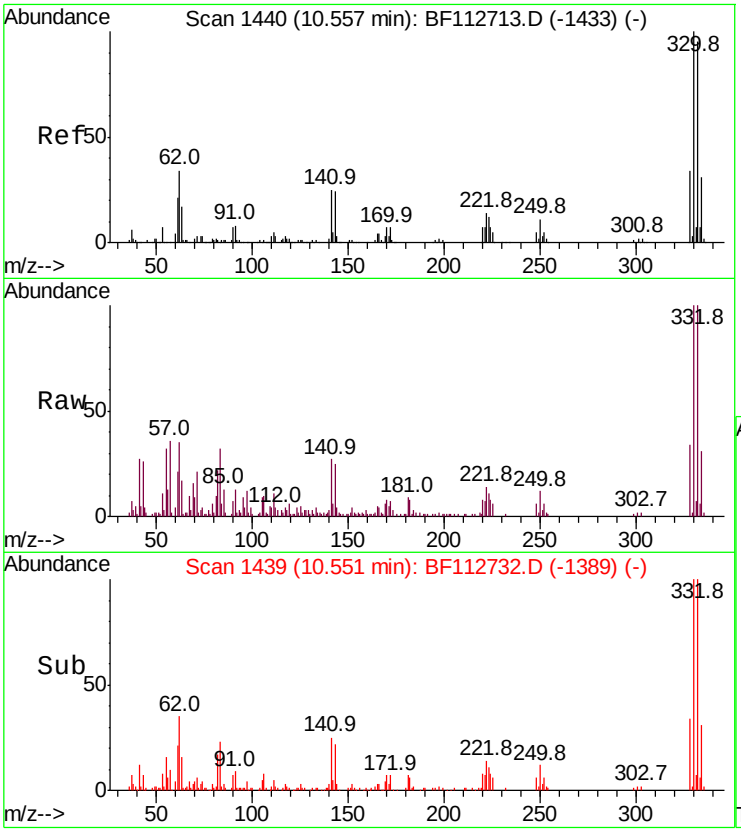


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:164 Resp: 243218

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.2	36.0	54.0

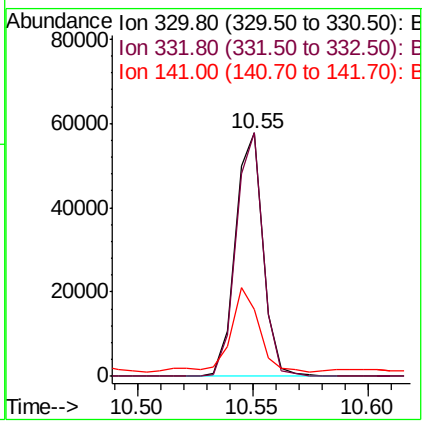




#42
2,4,6-Tribromophenol
Concen: 18.610 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:330 Resp: 48052

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.2	114.4
141	37.4	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

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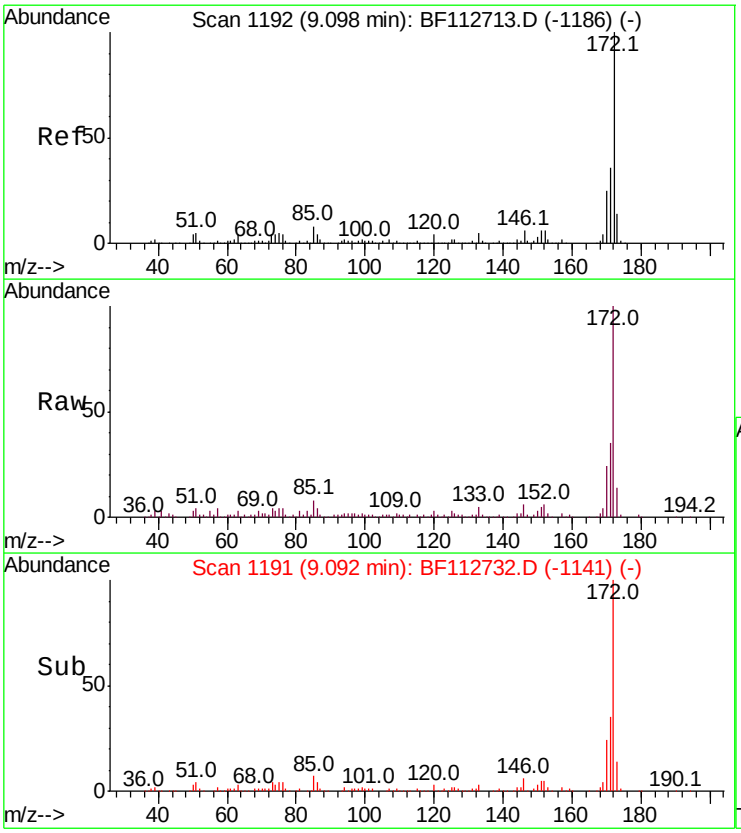
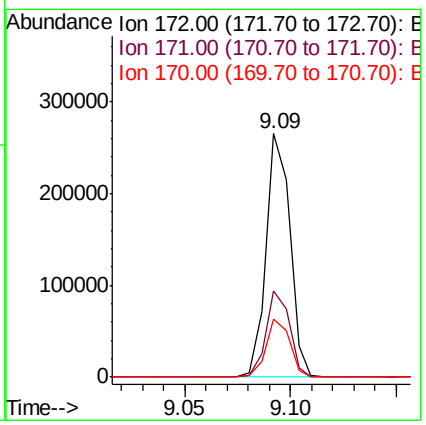
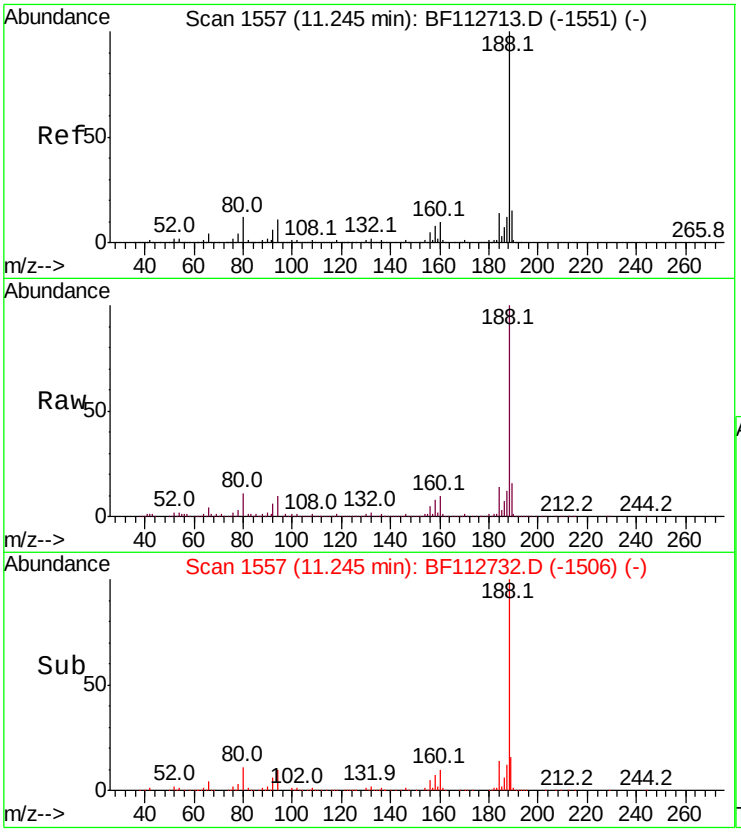


#45
2-Fluorobiphenyl
Concen: 1.868 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:172 Resp: 209240

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.7	20.0	30.0

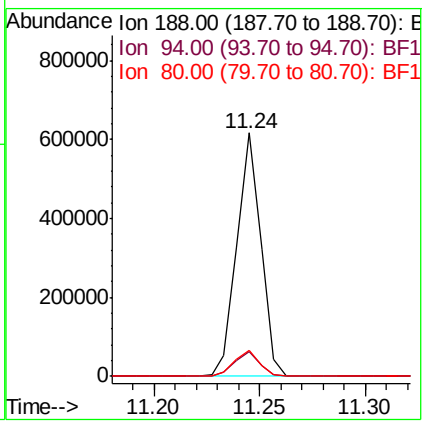




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:188 Resp: 481106

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.0	13.4
80	10.9	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
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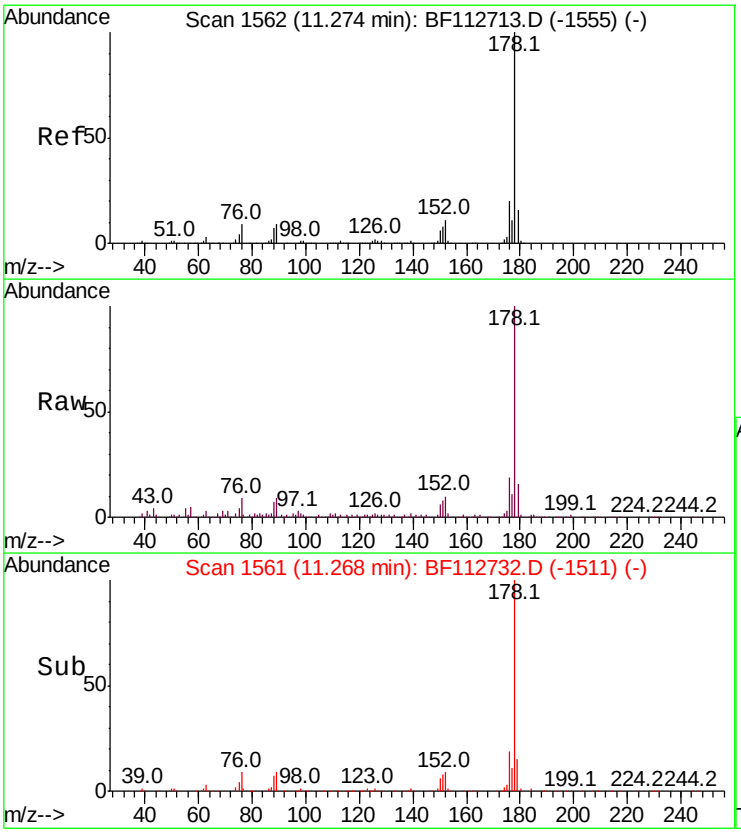
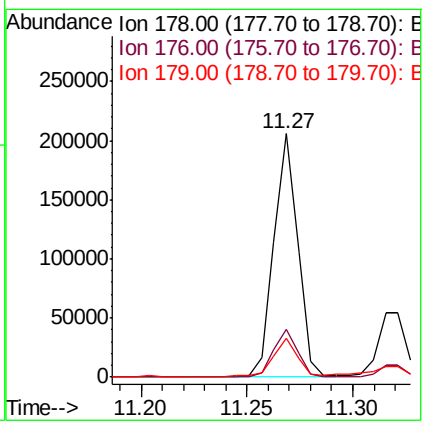
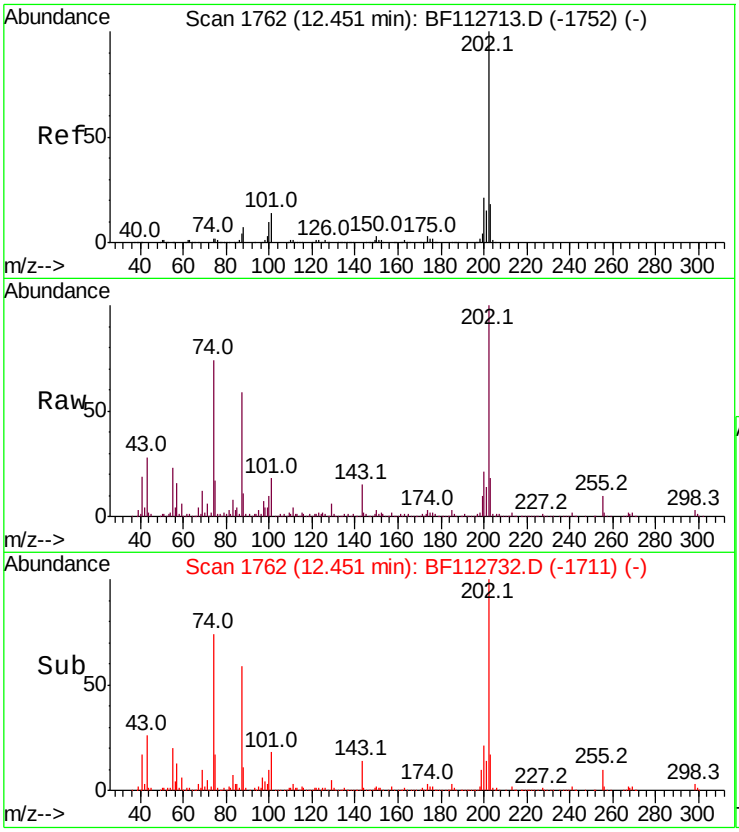


#71
Phenanthrene
Concen: 6.720 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:178 Resp: 160847

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.8	12.7	19.1

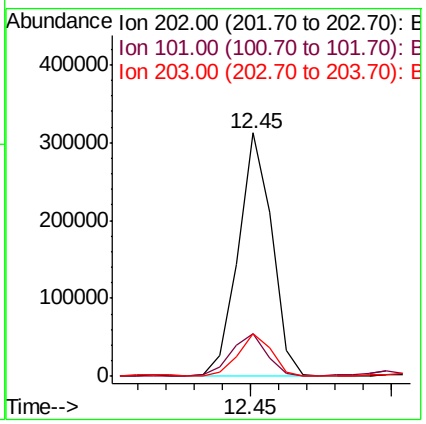




#75
Fluoranthene
Concen: 10.012 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:202 Resp: 256767

Ion	Ratio	Lower	Upper
202	100		
101	17.6	0.0	33.8
203	17.5	0.0	38.4



Instrument :
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ClientSampleId :
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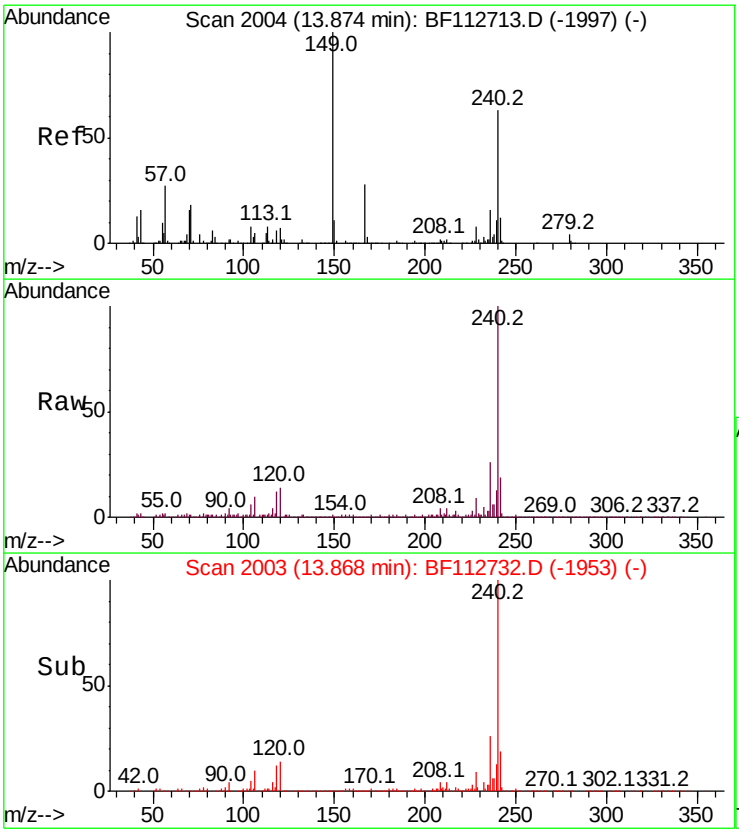
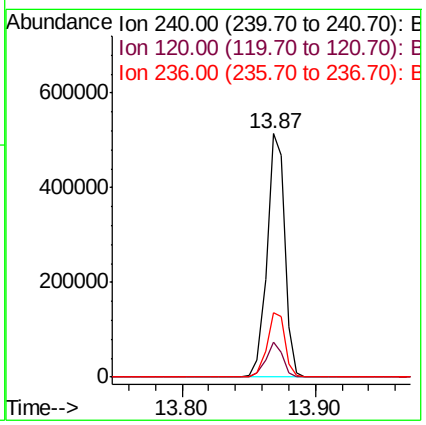
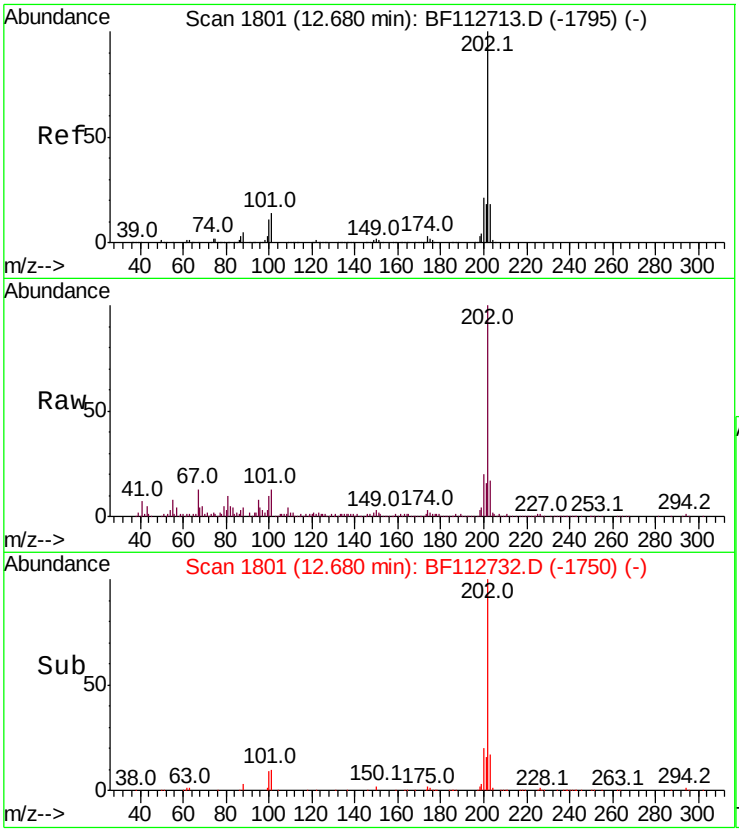


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:240 Resp: 473609

Ion	Ratio	Lower	Upper
240	100		
120	14.5	8.9	13.3#
236	26.4	20.7	31.1

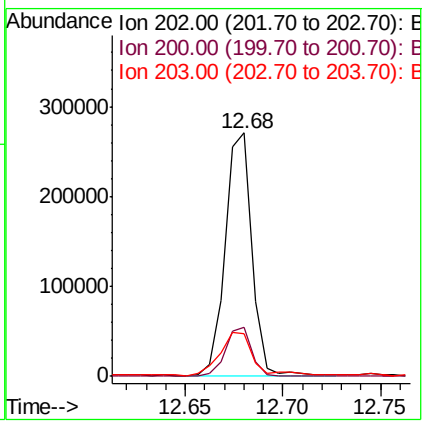




#78
Pyrene
Concen: 6.367 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:202 Resp: 254222

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.4
203	17.4	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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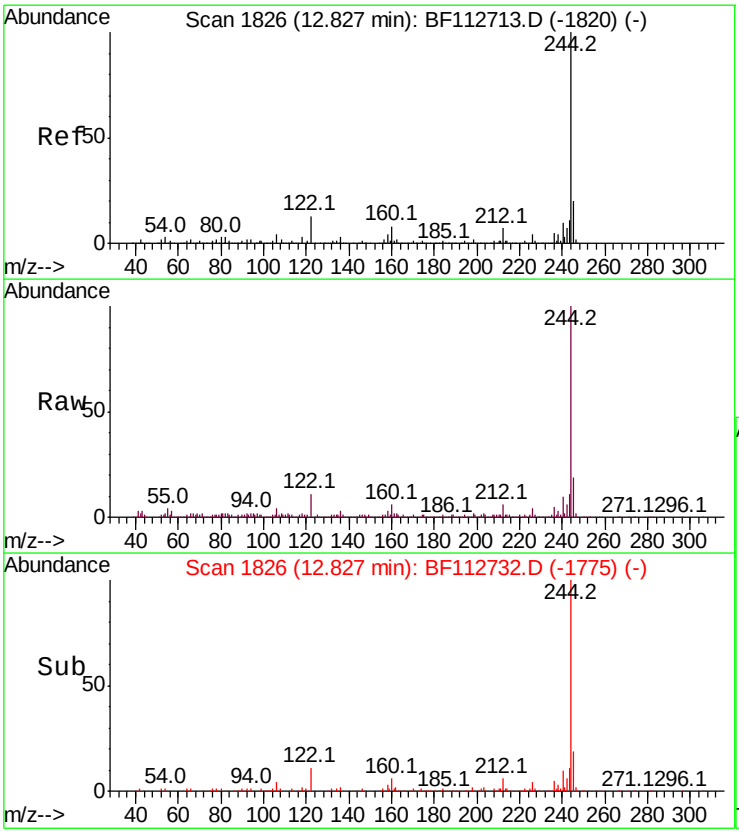
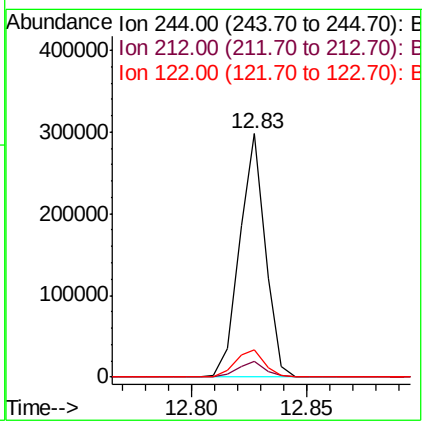
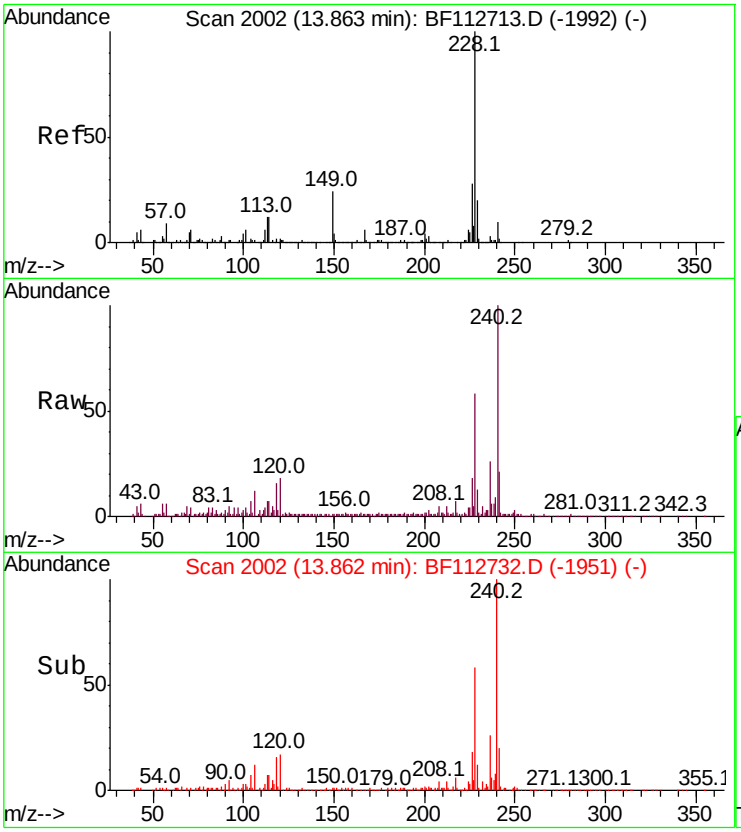


#79
Terphenyl-d14
Concen: 9.503 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:244 Resp: 232176

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.4	10.5	15.7

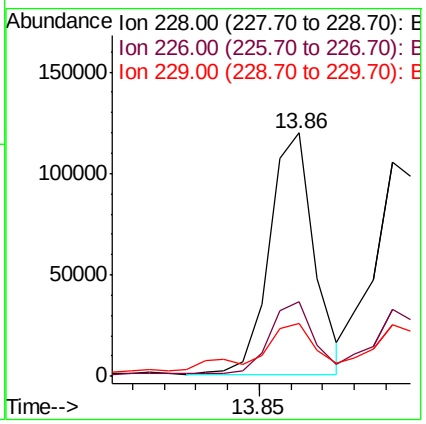




#81
Benzo(a)anthracene
Concen: 3.562 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:228 Resp: 116935

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.4
229	21.8	16.0	24.0



Instrument :
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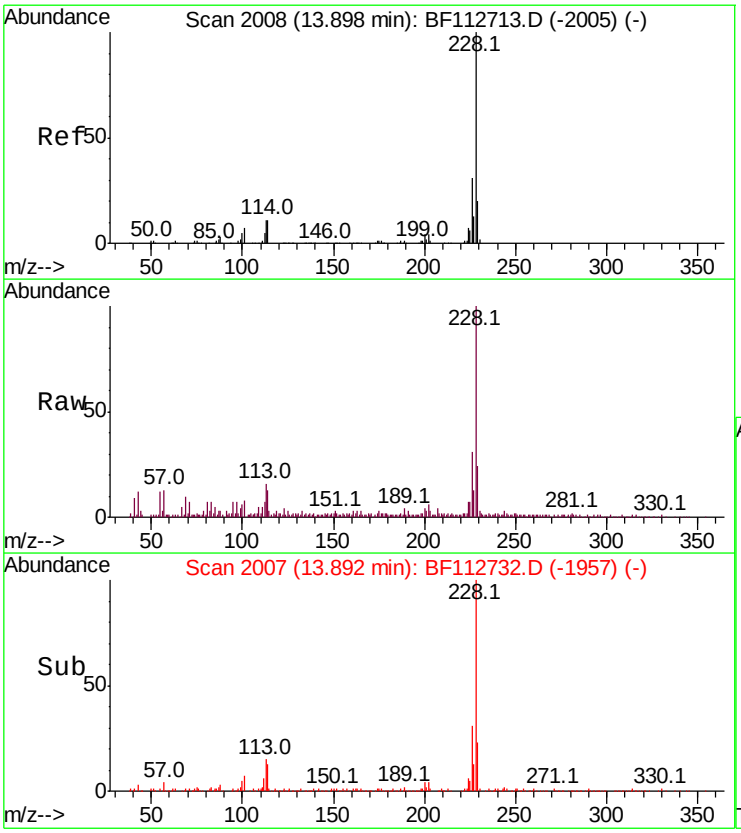
ClientSampleId :
PL-02-022619-A

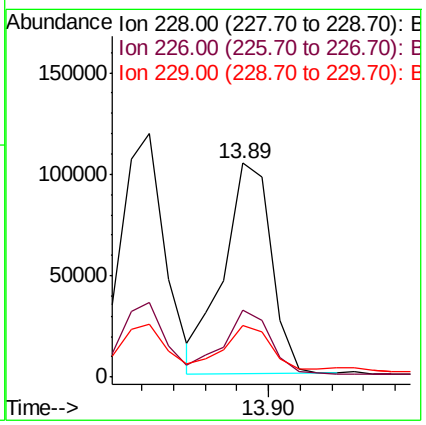
Manual Integrations APPROVED
Sohil
2/28/2019 12:47:17 PM

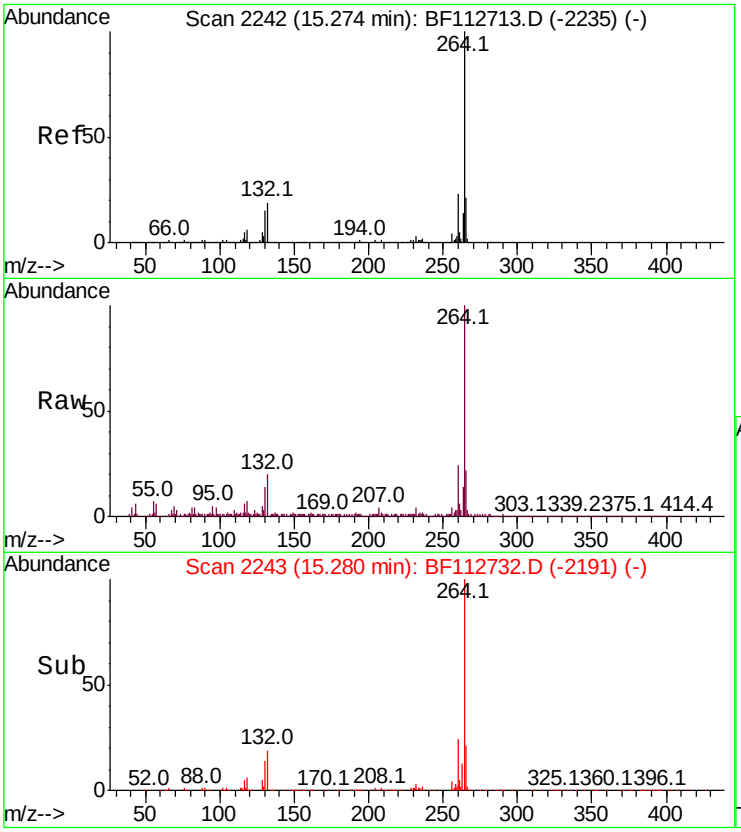


#83
Chrysene
Concen: 3.354 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:228 Resp: 107846

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	24.0	16.3	24.5

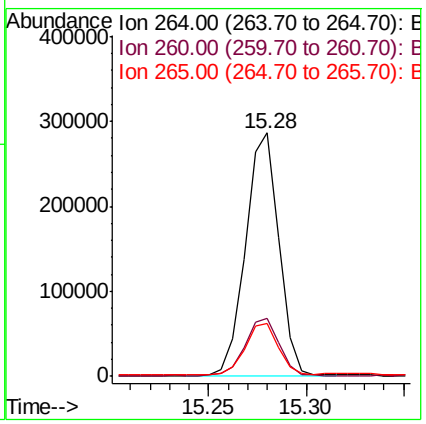




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:264 Resp: 335756

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.0	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

Manual Integrations APPROVED
Sohil
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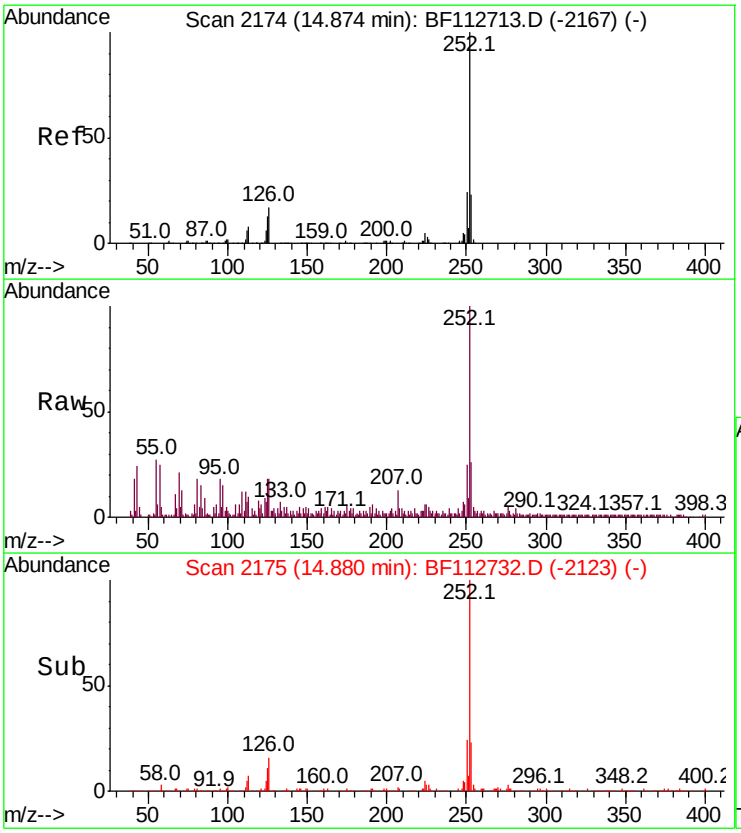
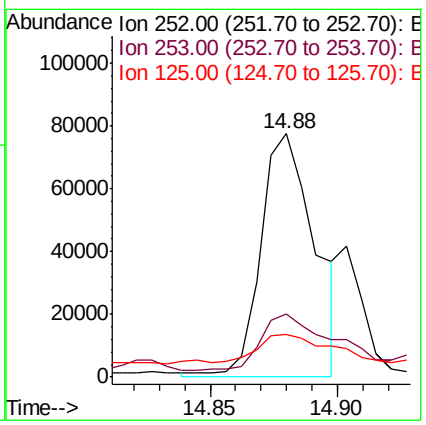
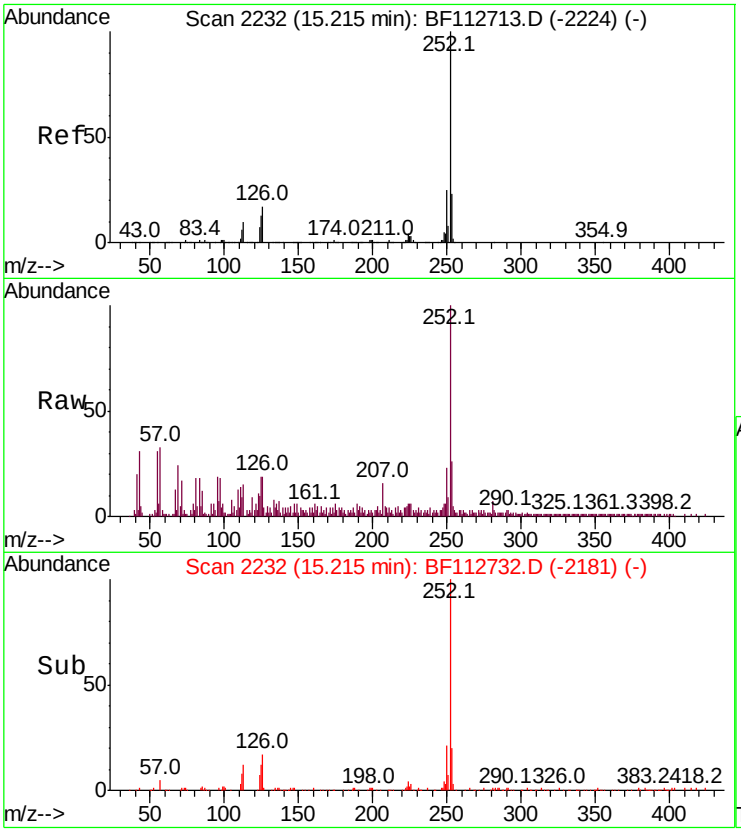


#88
Benzo(b)fluoranthene
Concen: 5.304 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:252 Resp: 115188

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	17.7	10.2	15.2#





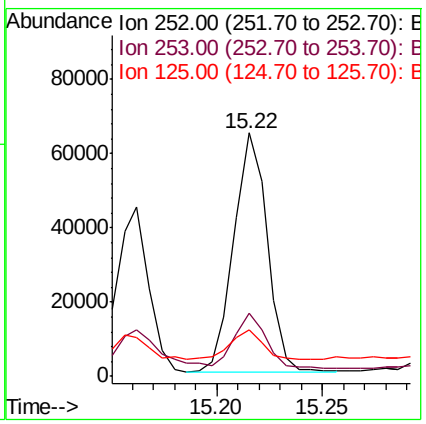
#90
Benzo(a)pyrene
Concen: 3.668 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

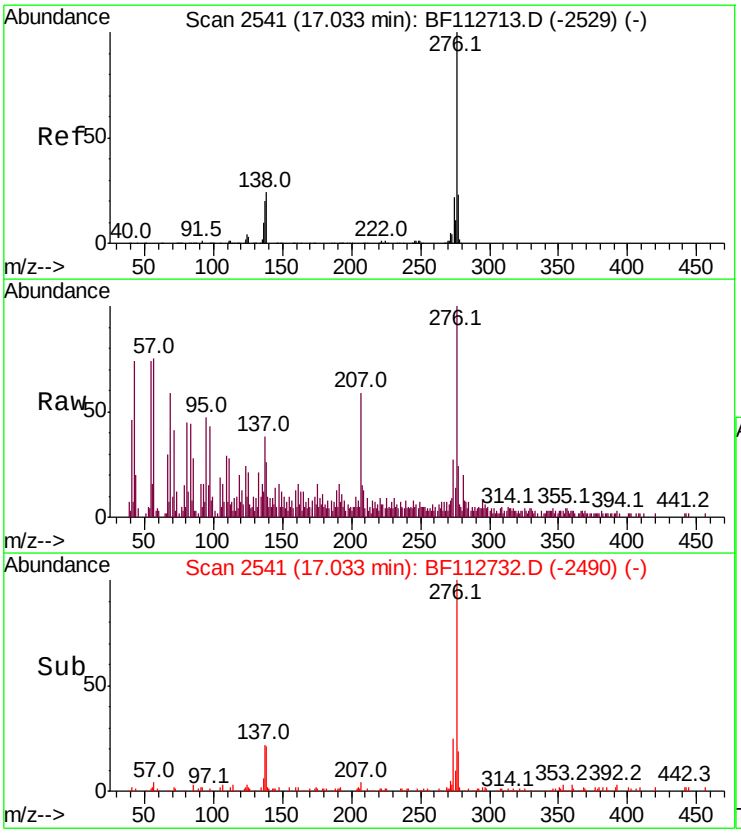
Tgt Ion:252 Resp: 70459

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.0	27.0
125	19.1	10.7	16.1#

Instrument :
BNA_F
ClientSampleId :
PL-02-022619-A

Manual Integrations APPROVED
Sohil
2/28/2019 12:47:17 PM





#92
Benzo(g,h,i)perylene
Concen: 2.129 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.00 min
Lab File: BF112732.D
Acq: 27 Feb 2019 21:23

Tgt Ion:276 Resp: 35040

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	27.8
138	26.2	19.4	29.0