Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
Data File : BF112285.D
Acq On : 28 Jan 2019 20:06
Operator : JU/SJ
Sample : K1011-11 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-012519-B

Manual Integrations APPROVED
mohammad
1/29/2019 9:35:19 AM

Quant Time: Jan 29 00:18:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	234086	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	883562	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	395866	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	660601	20.00	ng	0.00
76) Chrysene-d12	14.00	240	479420	20.00	ng	0.00
87) Perylene-d12	15.47	264	459120	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	285658	25.92	ng	-0.01
7) Phenol-d6	6.48	99	364779	23.82	ng	-0.01
23) Nitrobenzene-d5	7.40	82	220207	14.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	82740	17.96	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	424851	15.18	ng	-0.01
79) Terphenyl-d14	12.94	244	319061	12.53	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.39	178	140788	4.099	ng	97
75) Fluoranthene	12.57	202	181049	4.915	ng	98
78) Pyrene	12.80	202	173884	5.239	ng	96
81) Benzo(a)anthracene	13.99	228	75055	2.663	ng	97
83) Chrysene	14.03	228	71570	2.660	ng	97
88) Benzo(b)fluoranthene	15.04	252	84609m	3.081	ng	
90) Benzo(a)pyrene	15.40	252	65056	2.633	ng	# 95

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

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Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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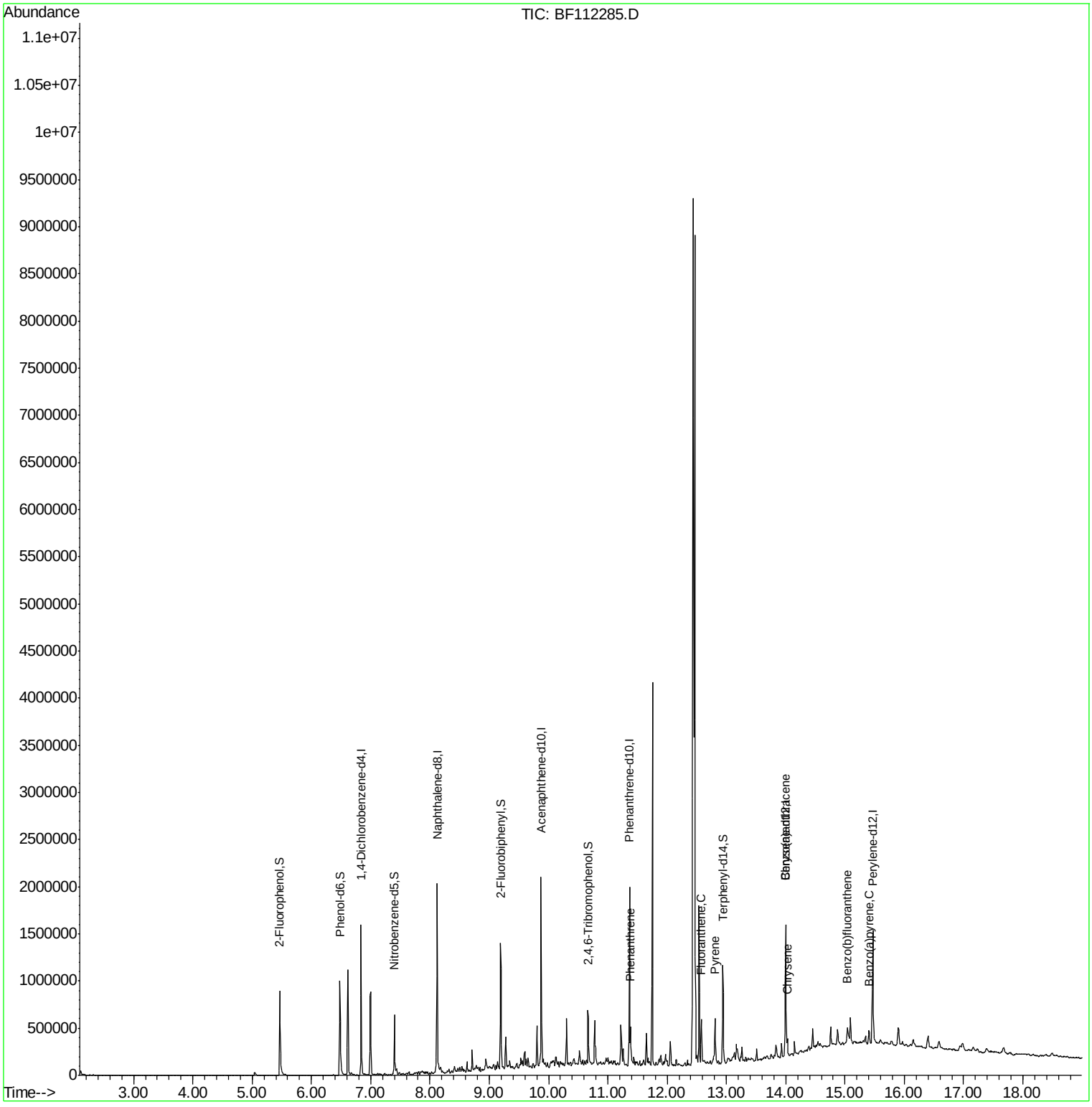
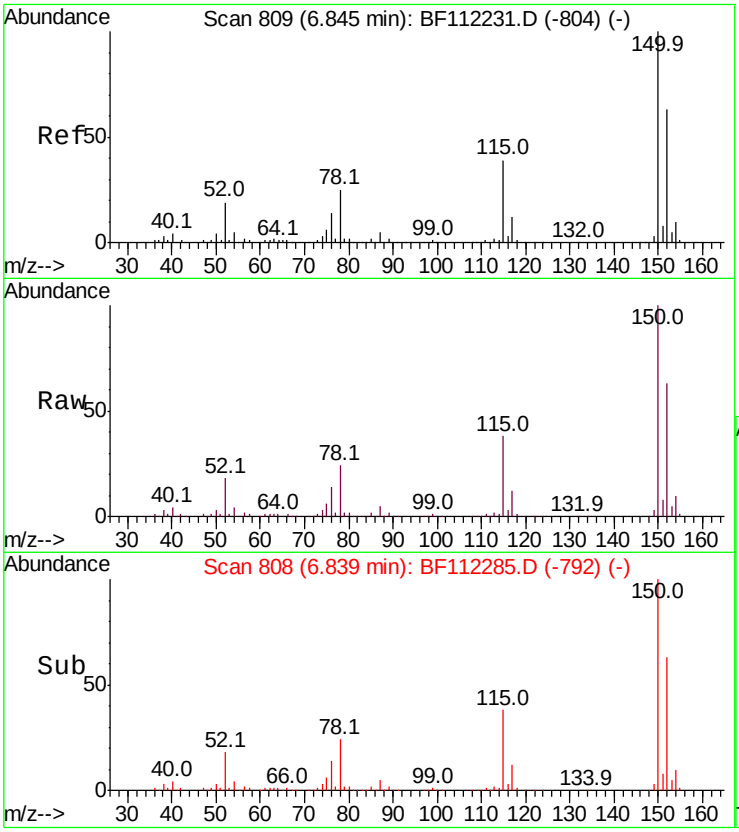
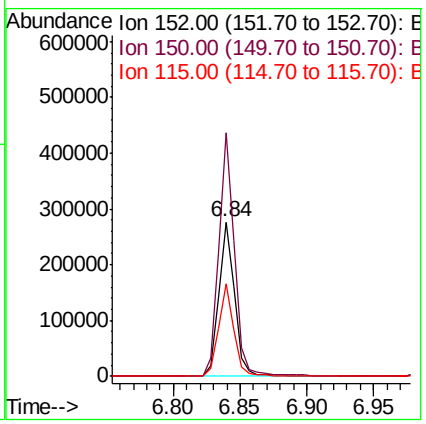




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:152 Resp: 234086

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.4	191.0
115	60.1	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

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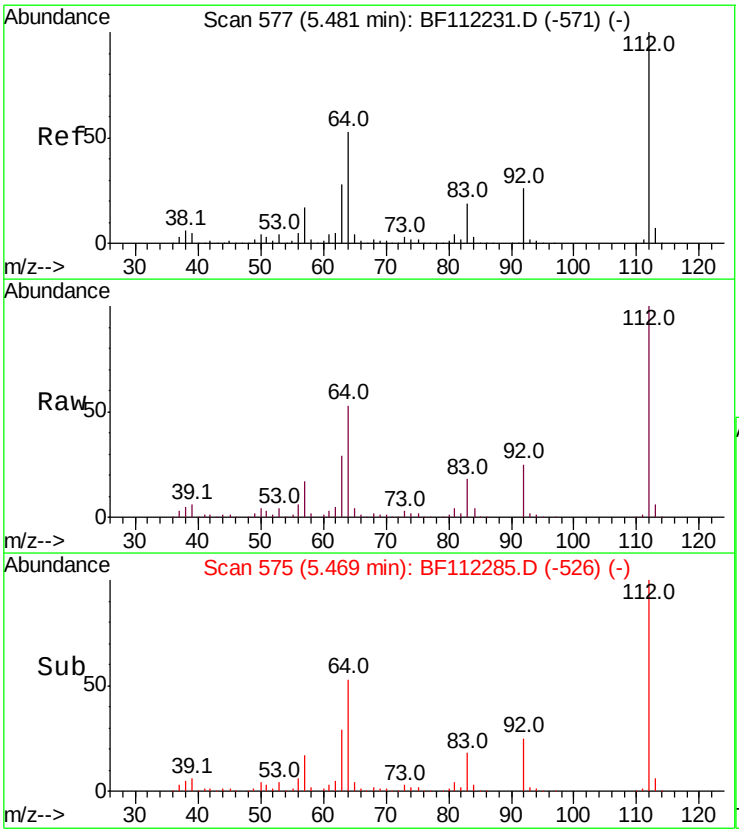
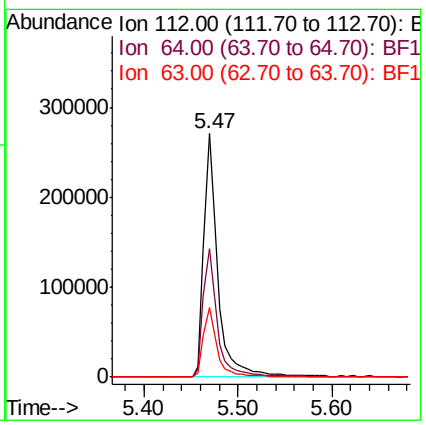
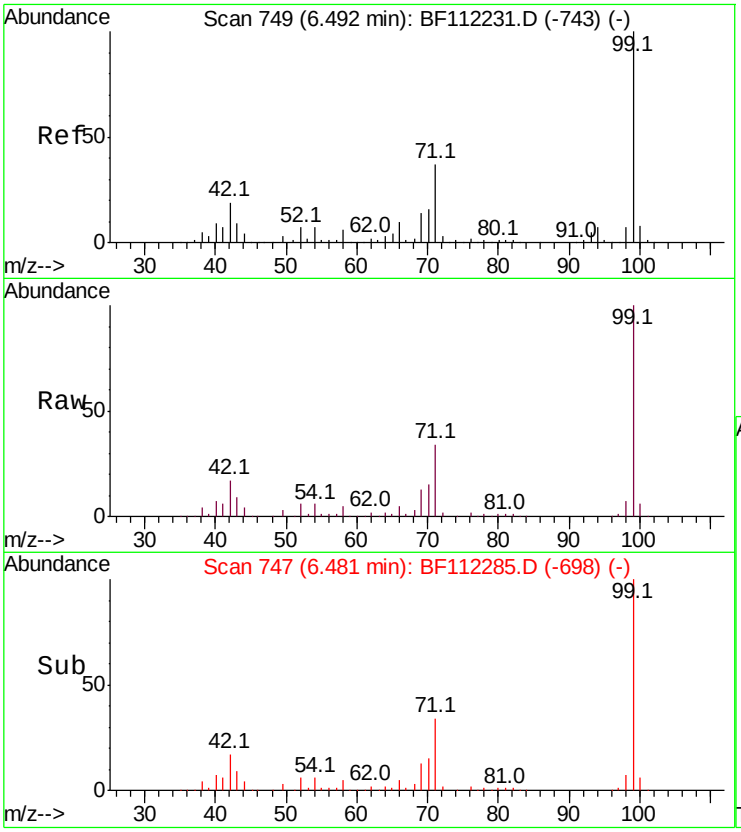


#5
2-Fluorophenol
Concen: 25.920 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:112 Resp: 285658

Ion	Ratio	Lower	Upper
112	100		
64	53.0	45.7	68.5
63	28.8	23.6	35.4

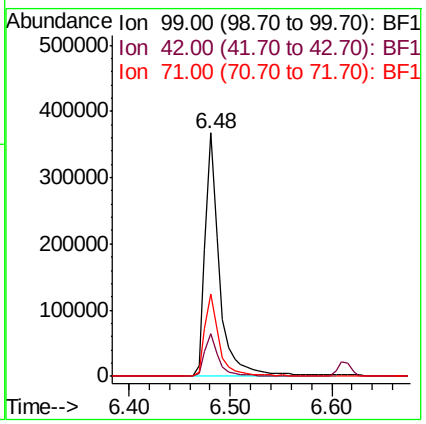




#7
Phenol-d6
Concen: 23.820 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion: 99 Resp: 364779

Ion	Ratio	Lower	Upper
99	100		
42	17.5	15.1	22.7
71	34.1	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

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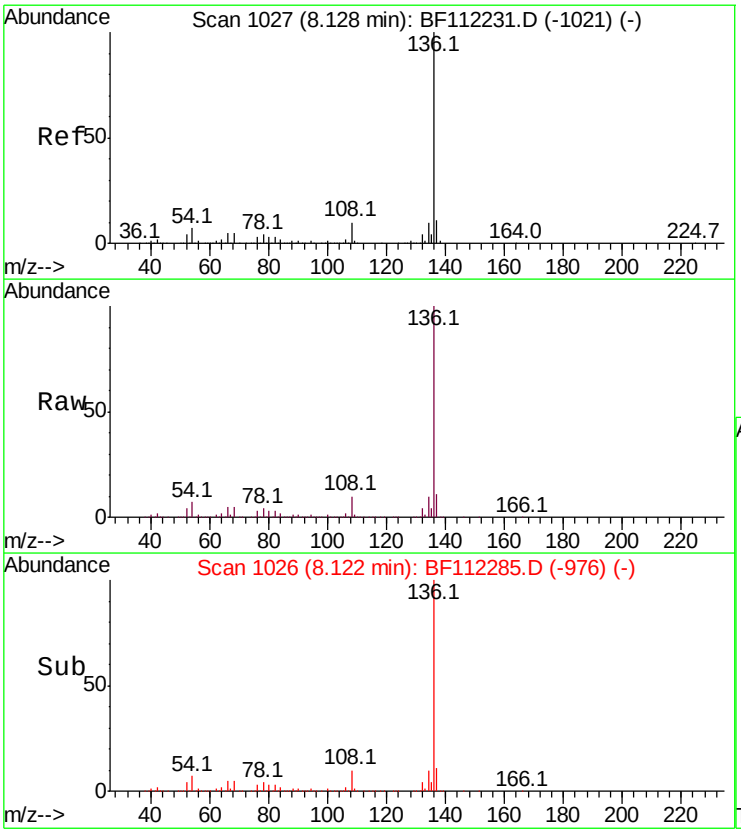
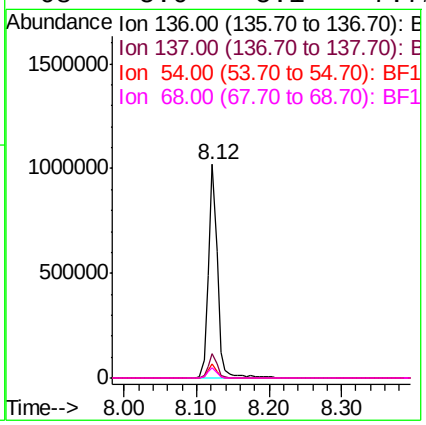
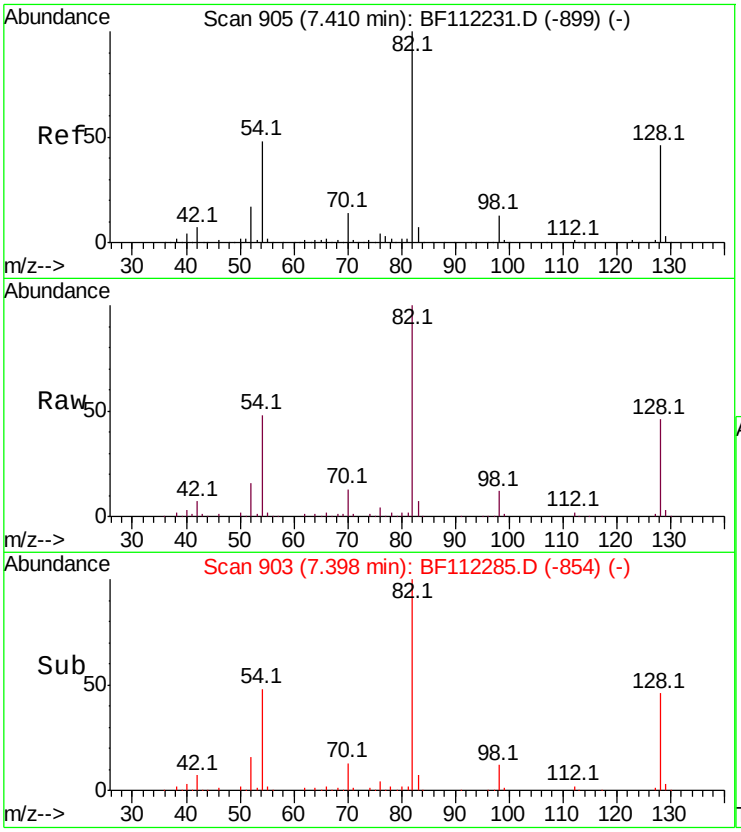


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:136 Resp: 883562

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.8	5.9	8.9
68	5.0	5.1	7.7#

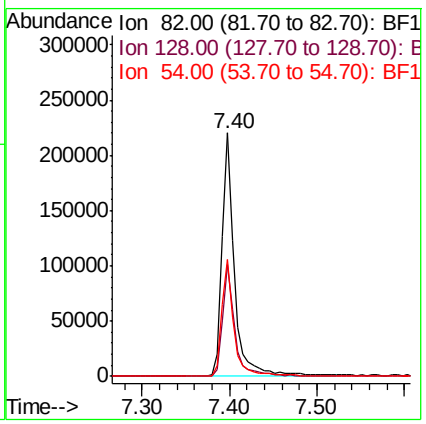




#23
Nitrobenzene-d5
Concen: 14.360 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion: 82 Resp: 220207

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.8	56.8
54	47.8	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

Manual Integrations APPROVED
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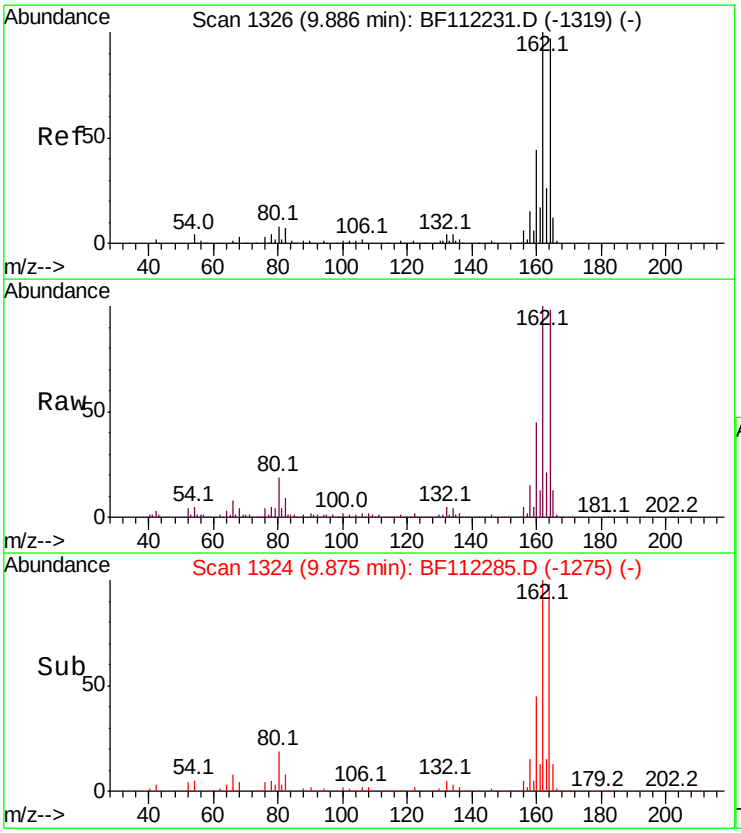
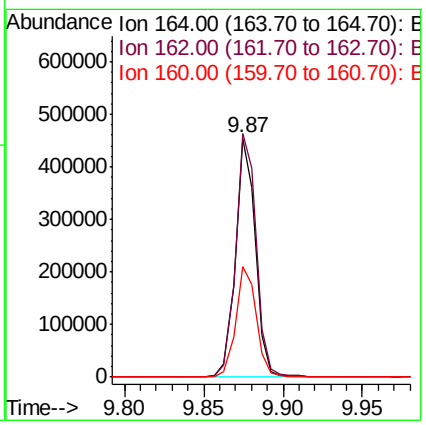
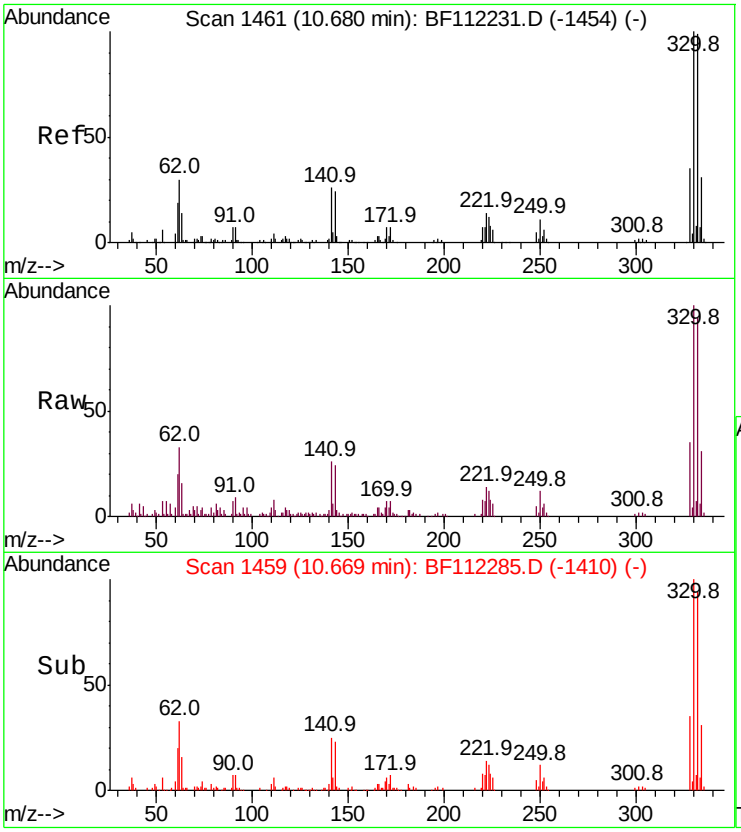


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:164 Resp: 395866

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.4
160	46.2	36.2	54.4

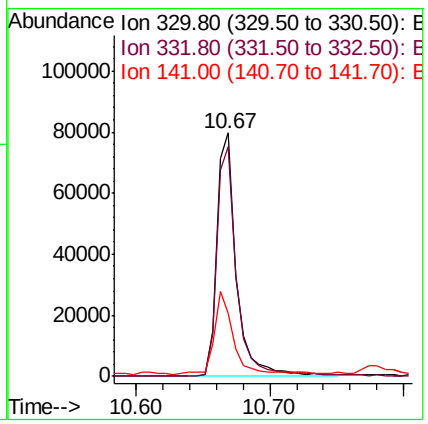




#42
2,4,6-Tribromophenol
Concen: 17.957 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:330 Resp: 82740

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	33.7	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

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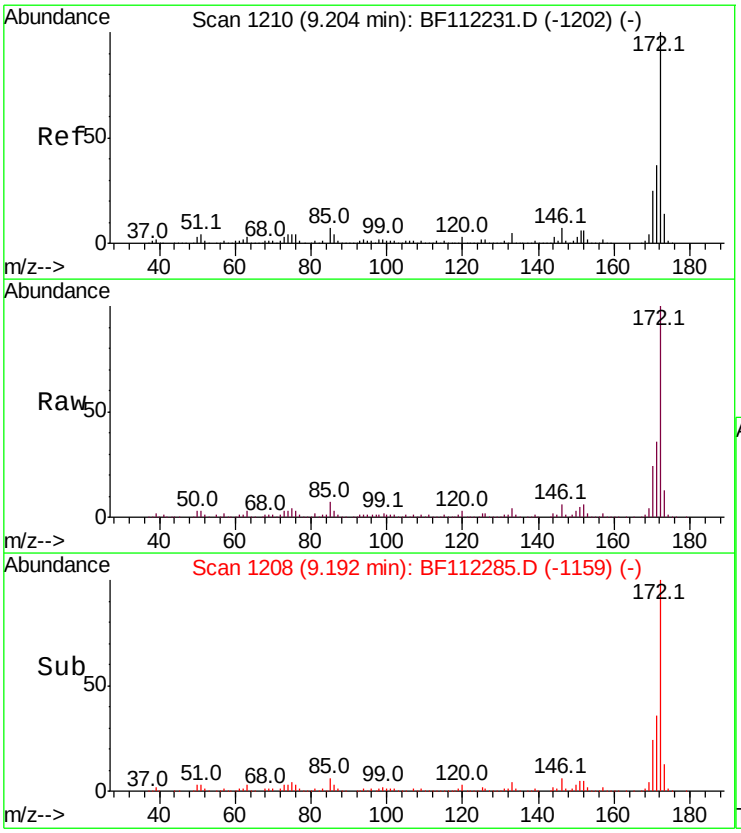
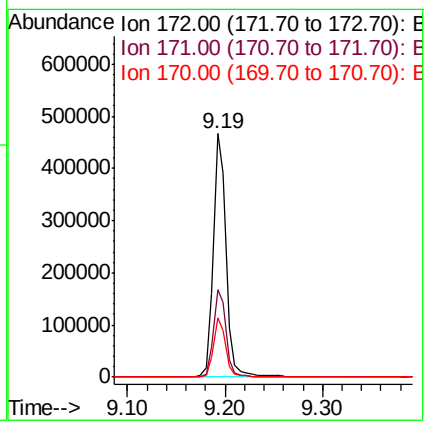
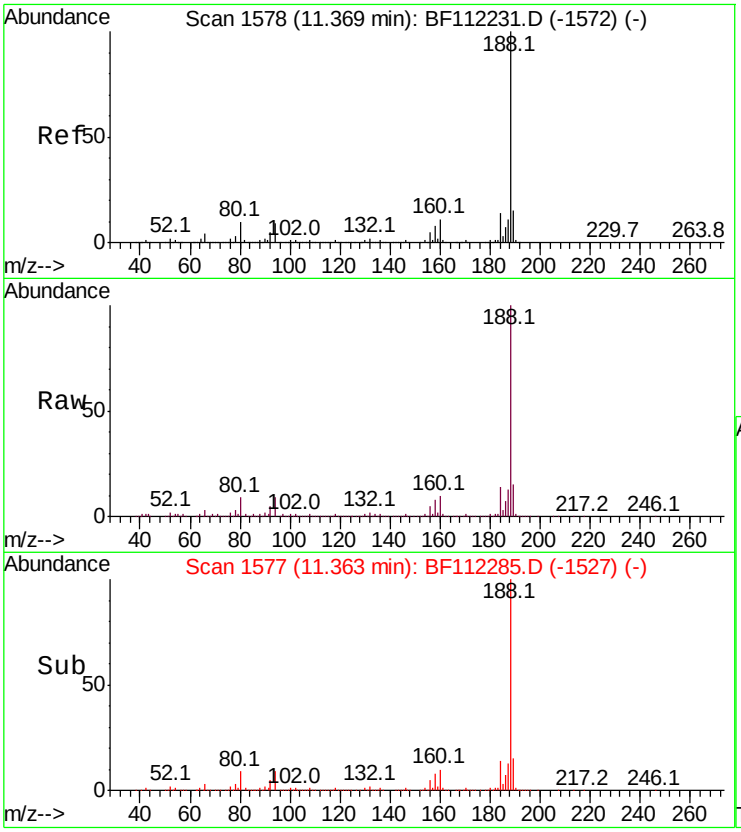


#45
2-Fluorobiphenyl
Concen: 15.179 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:172 Resp: 424851

Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.5	45.7
170	24.2	20.2	30.4

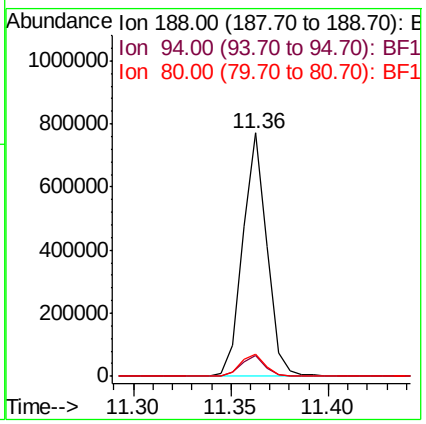




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:188 Resp: 660601

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	9.0	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

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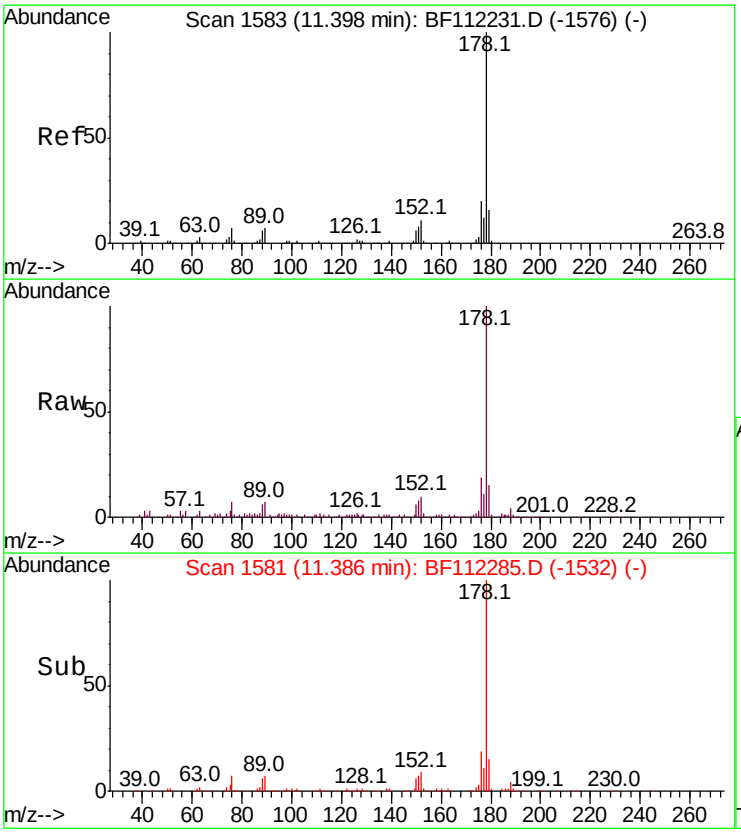
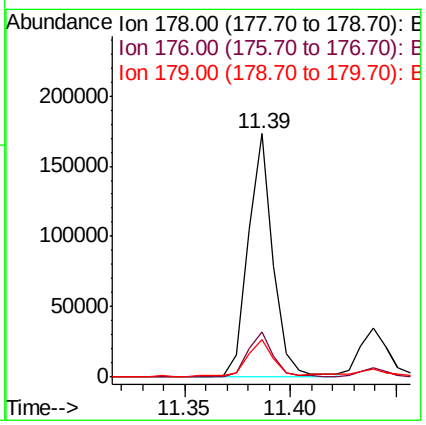
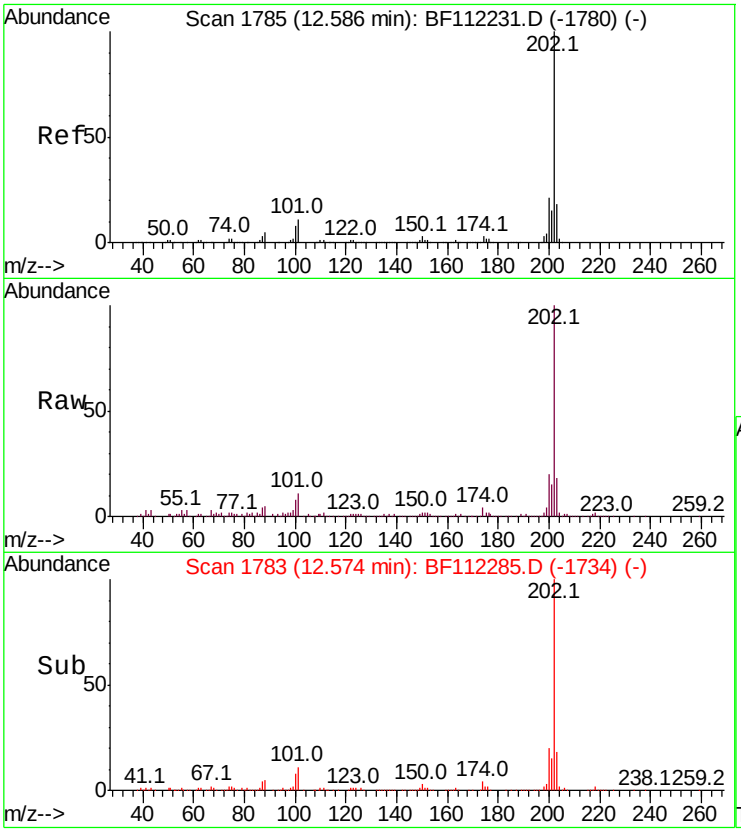


#71
Phenanthrene
Concen: 4.099 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:178 Resp: 140788

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.2	13.0	19.4

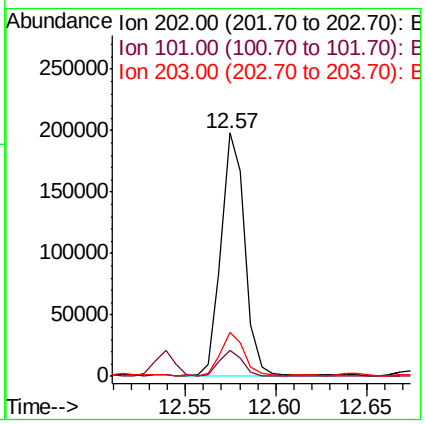




#75
Fluoranthene
Concen: 4.915 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:202 Resp: 181049

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.8
203	17.9	0.0	38.4



Instrument :
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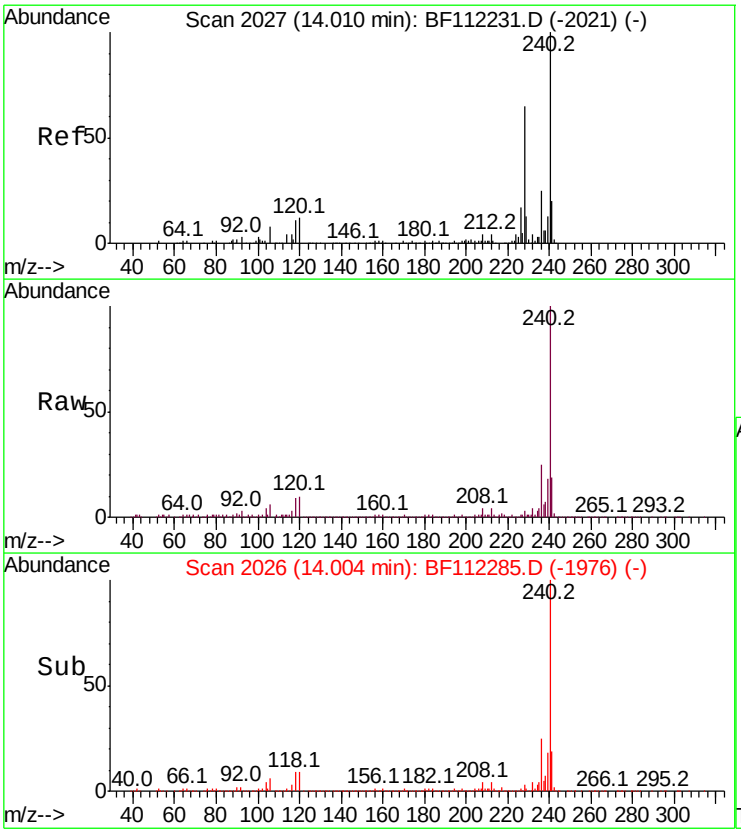
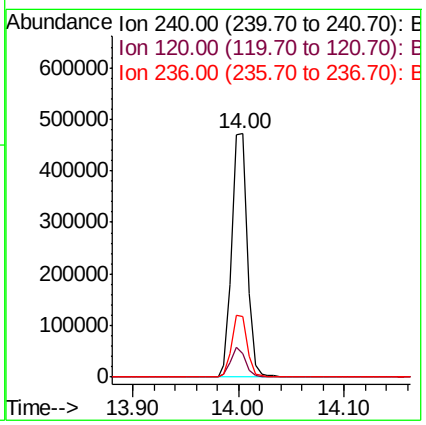
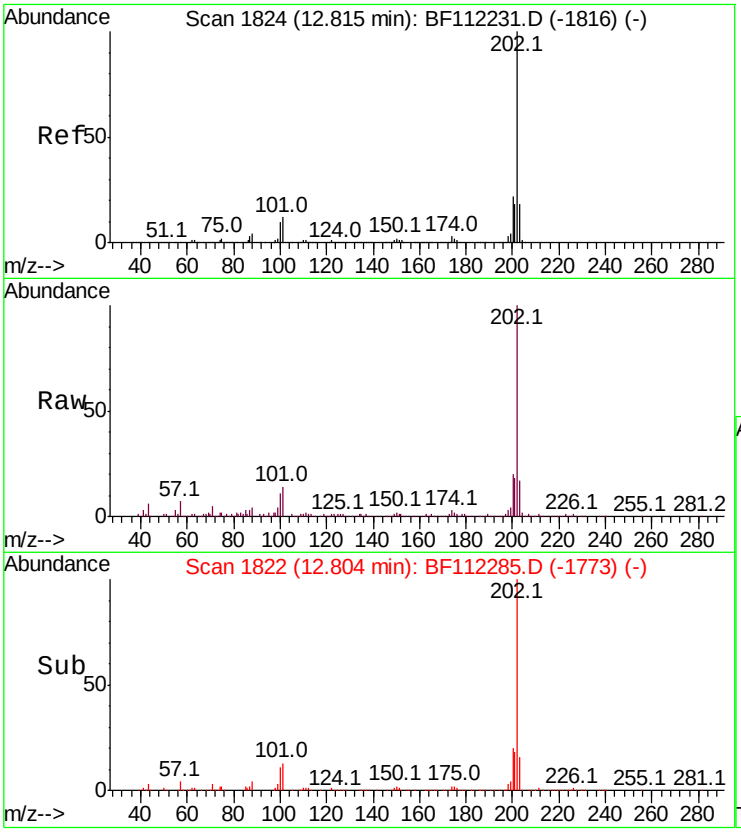


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:240 Resp: 479420

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.0	13.6
236	24.8	20.7	31.1

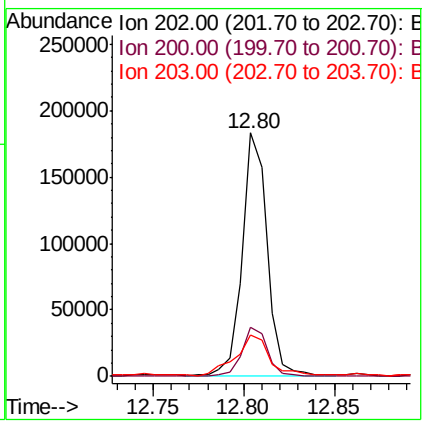




#78
Pyrene
Concen: 5.239 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:202 Resp: 173884

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.7	26.5
203	17.1	14.6	22.0



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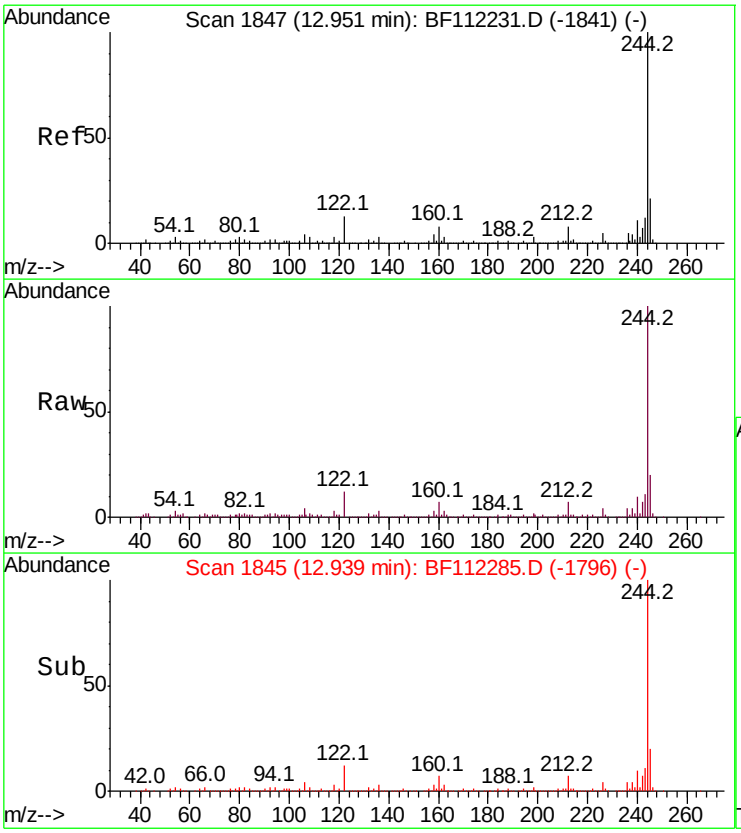
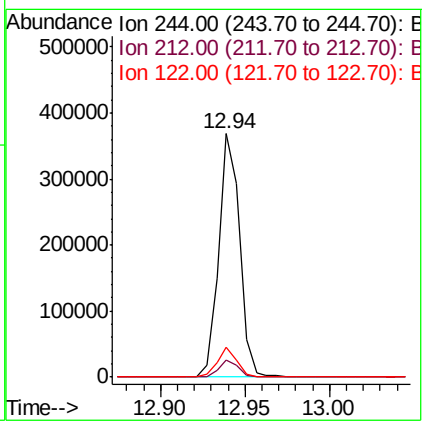
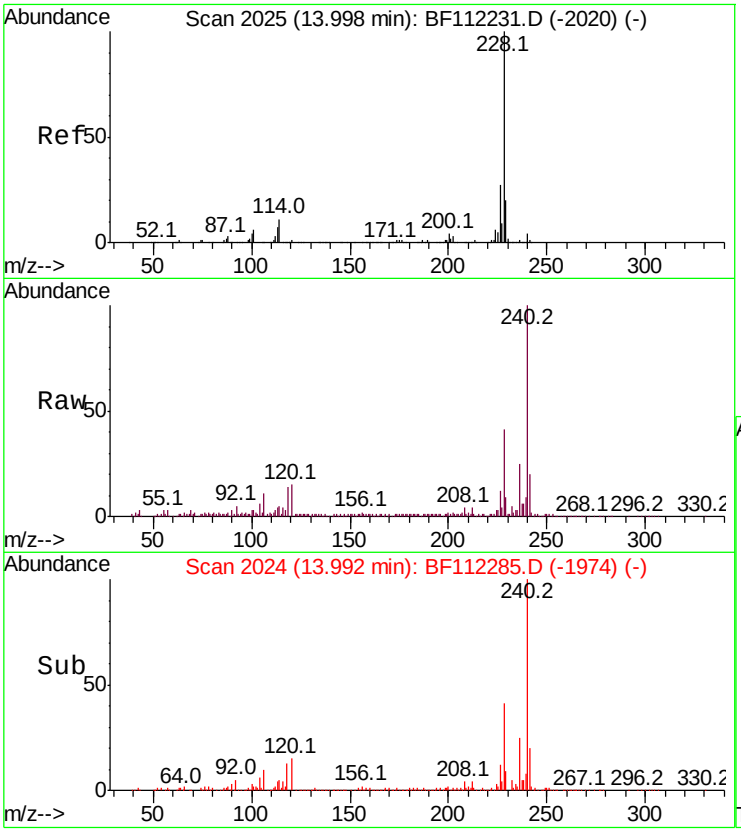


#79
Terphenyl-d14
Concen: 12.535 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:244 Resp: 319061

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	12.2	9.8	14.6

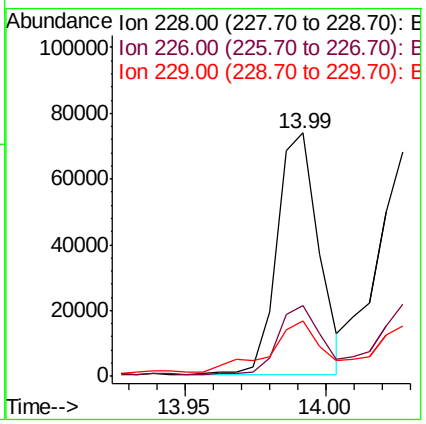




#81
Benzo(a)anthracene
Concen: 2.663 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:228 Resp: 75055

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	22.9	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

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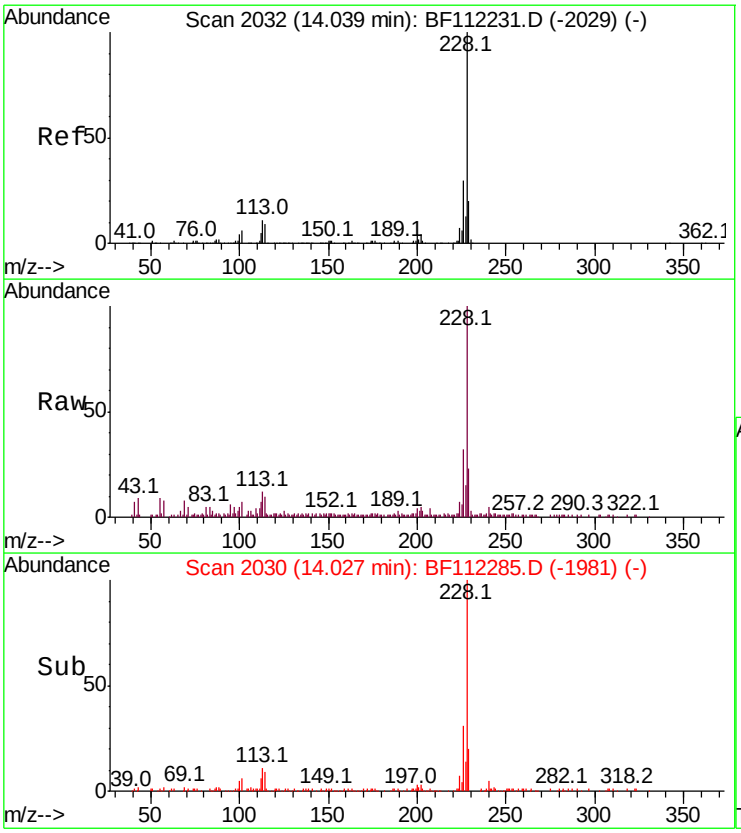
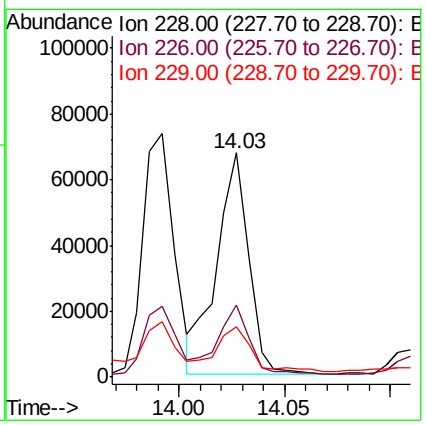
1/29/2019 9:35:19 AM

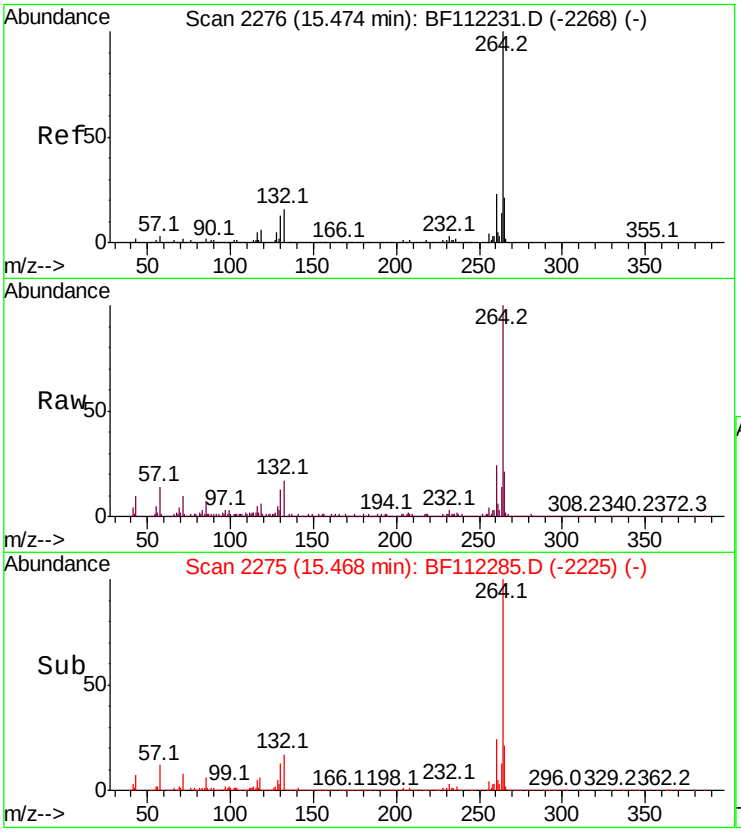


#83
Chrysene
Concen: 2.660 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:228 Resp: 71570

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	22.6	16.6	24.8

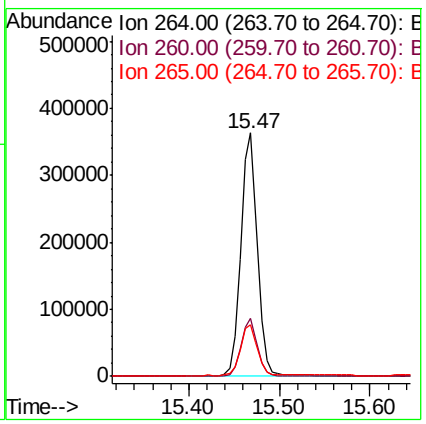




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:264 Resp: 459120

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.3	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
OR-01-012519-B

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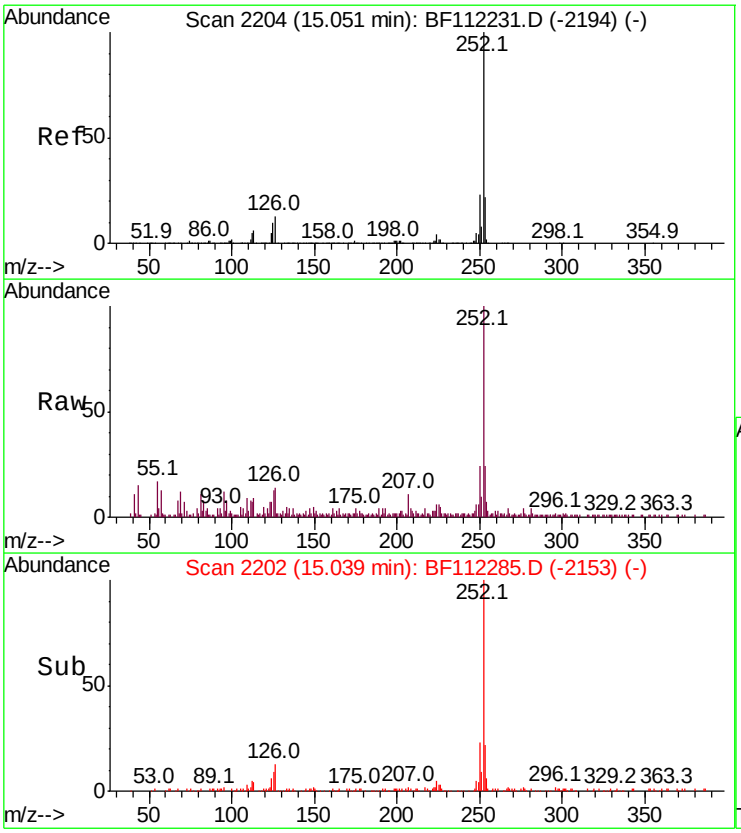
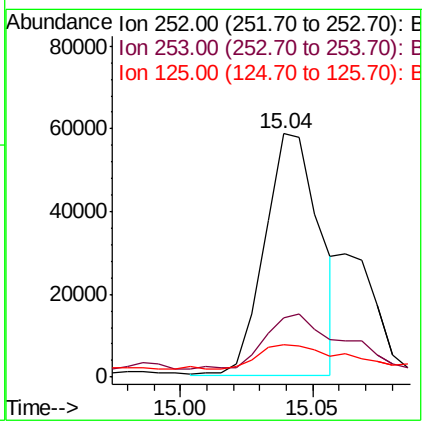
mohammad
1/29/2019 9:35:19 AM

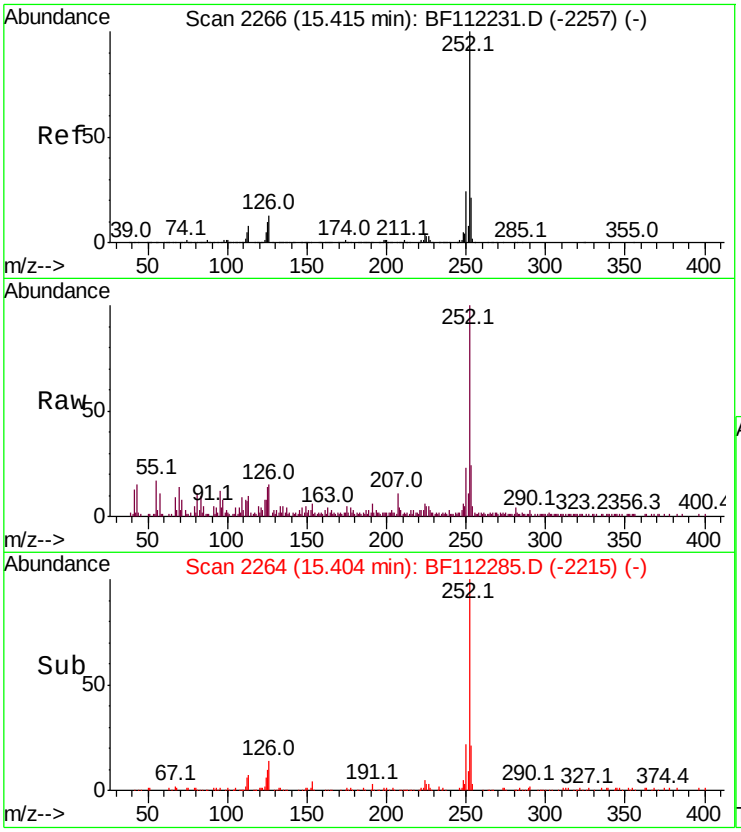


#88
Benzo(b)fluoranthene
Concen: 3.081 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:252 Resp: 84609

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.4	8.7	13.1#

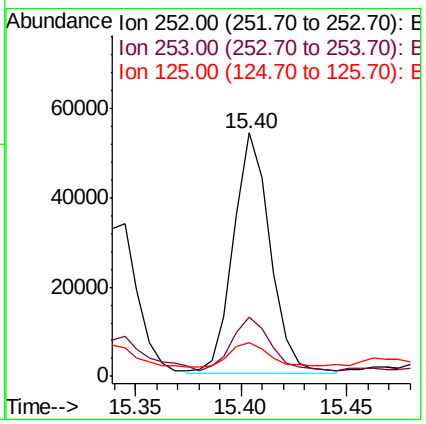




#90
Benzo(a)pyrene
Concen: 2.633 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112285.D
Acq: 28 Jan 2019 20:06

Tgt Ion:252 Resp: 65056

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	13.7	9.0	13.4#



Instrument :
BNA_F
ClientSampleId :
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