Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097332.D
Acq On : 3 Aug 2017 22:28
Operator : SJ/JU
Sample : I4541-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
Sohil
8/4/2017 5:30:25 PM

Quant Time: Aug 04 02:01:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	115008	20.00	ng	-0.06
21) Naphthalene-d8	7.73	136	461686	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	204688	20.00	ng	-0.07
63) Phenanthrene-d10	10.94	188	275190	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	209313	20.00	ng	-0.07
86) Perylene-d12	14.90	264	168361	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	174120	22.82	ng	-0.06
7) Phenol-d6	6.11	99	238187	27.35	ng	-0.06
23) Nitrobenzene-d5	7.01	82	130659	16.60	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	33016	20.42	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	218584	18.12	ng	-0.07
78) Terphenyl-d14	12.52	244	132981	12.95	ng	-0.07
Target Compounds						Qvalue
70) Phenanthrene	10.96	178	85620	5.807	ng	97
74) Fluoranthene	12.14	202	124319	8.606	ng	98
77) Pyrene	12.36	202	113360	6.615	ng	98
80) Benzo(a)anthracene	13.54	228	51380	3.794	ng	95
82) Chrysene	13.58	228	47684	3.606	ng	97
87) Benzo(b)fluoranthene	14.55	252	53173m	5.254	ng	
89) Benzo(a)pyrene	14.85	252	38663	4.174	ng	97
91) Benzo(g,h,i)perylene	16.46	276	19376	2.433	ng	97

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

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Manual Integrations APPROVED
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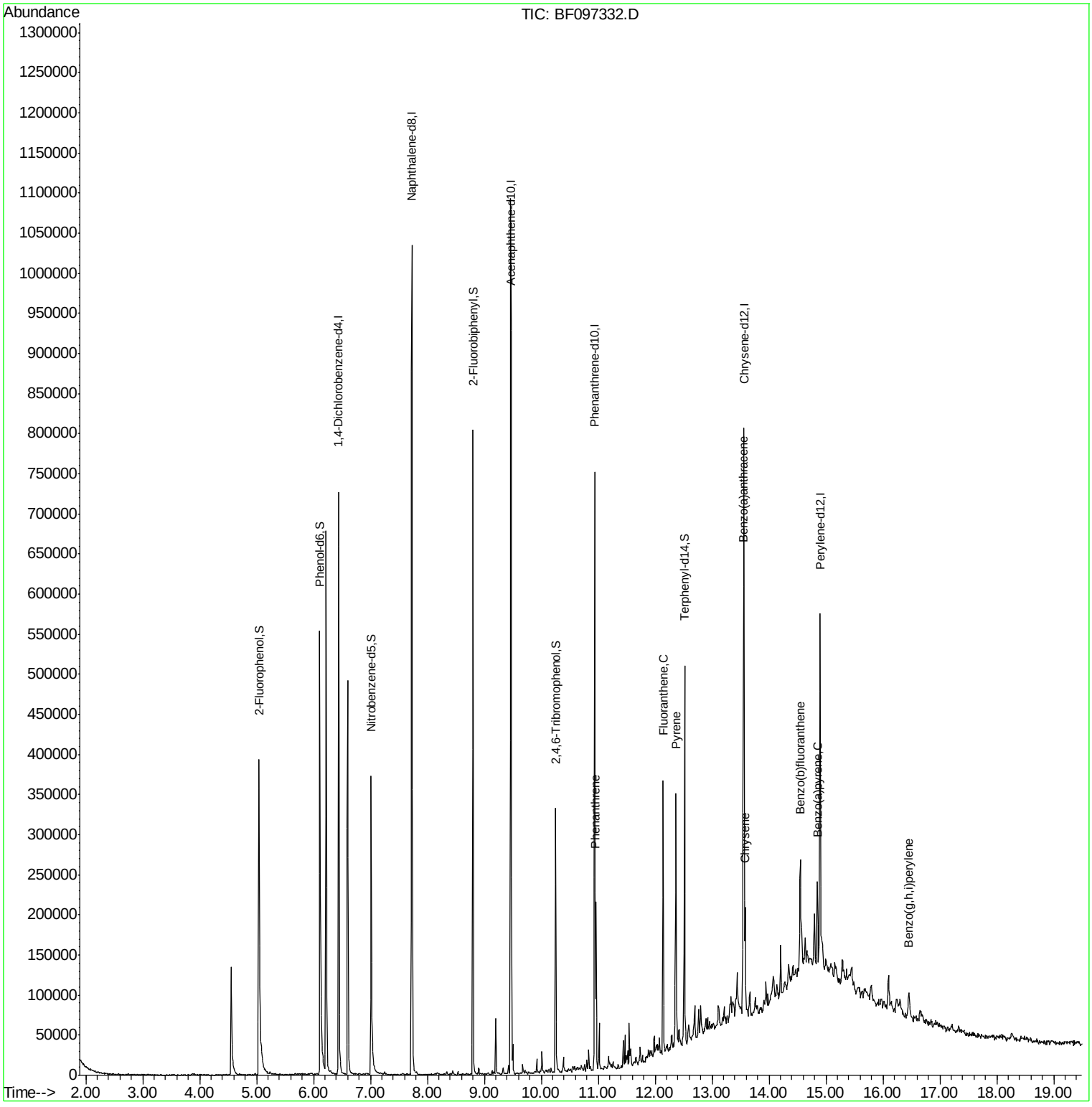
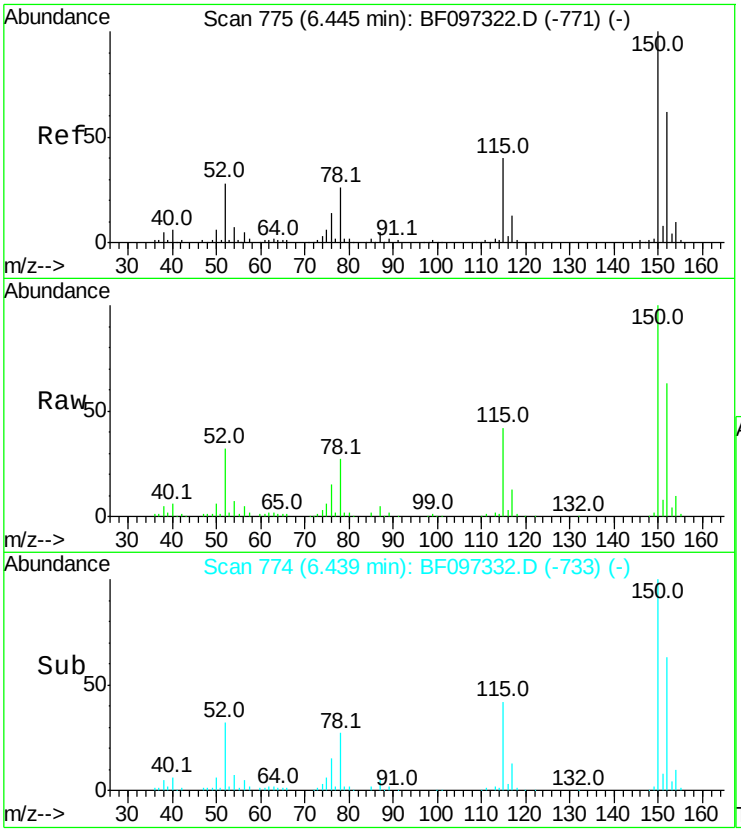
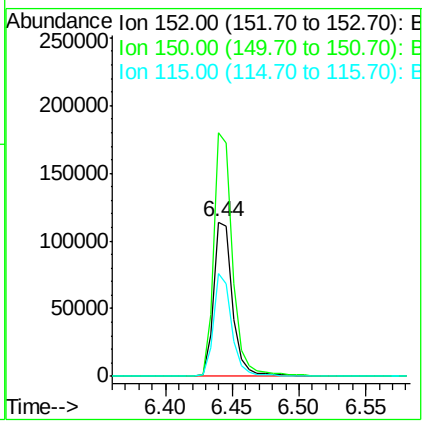




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 774
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:152 Resp: 115008

Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	66.3	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
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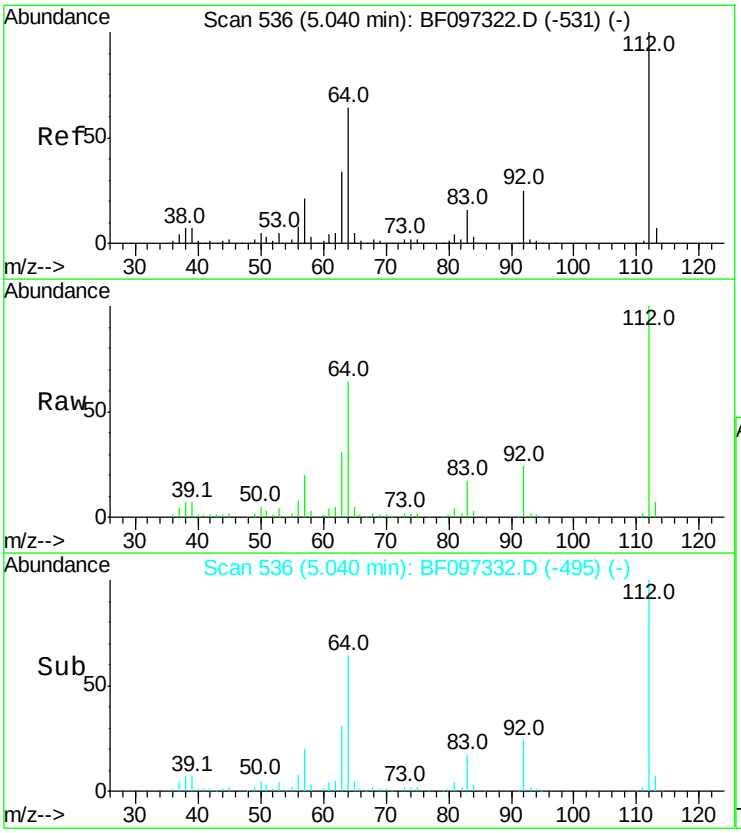
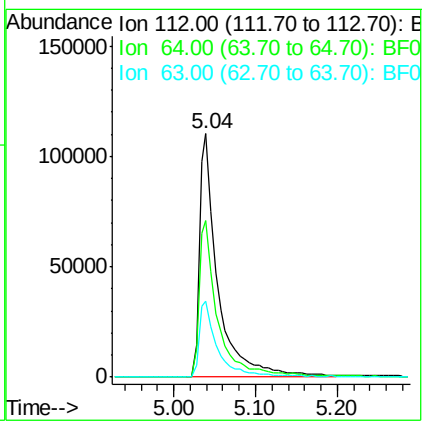
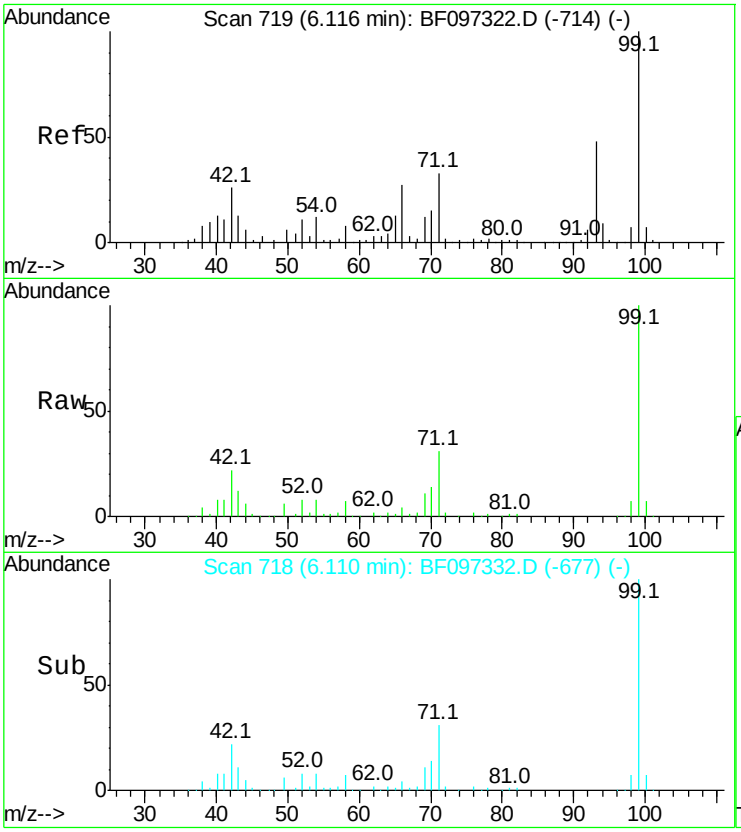


#5
2-Fluorophenol
Concen: 22.823 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:112 Resp: 174120

Ion	Ratio	Lower	Upper
112	100		
64	64.4	46.0	69.0
63	31.3	23.4	35.0

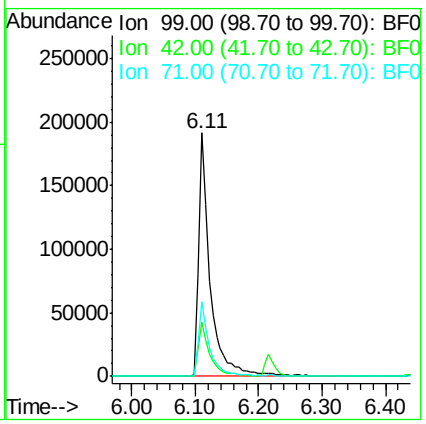




#7
Phenol-d6
Concen: 27.348 ng
RT: 6.11 min Scan# 718
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion: 99 Resp: 238187

Ion	Ratio	Lower	Upper
99	100		
42	22.5	13.5	20.3#
71	30.9	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
VNJ-220

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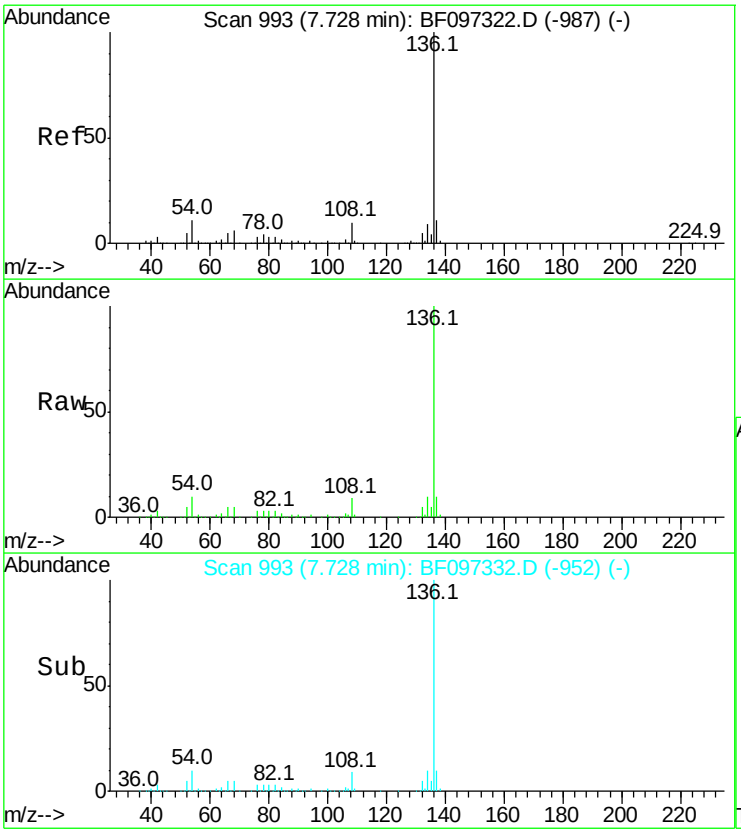
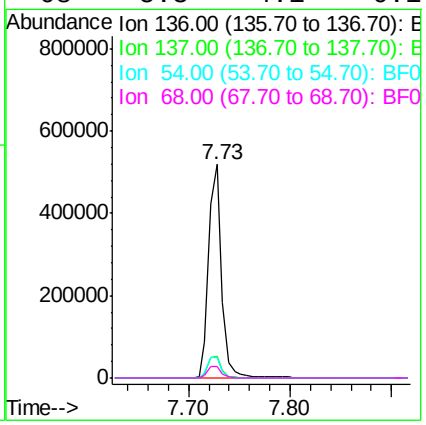
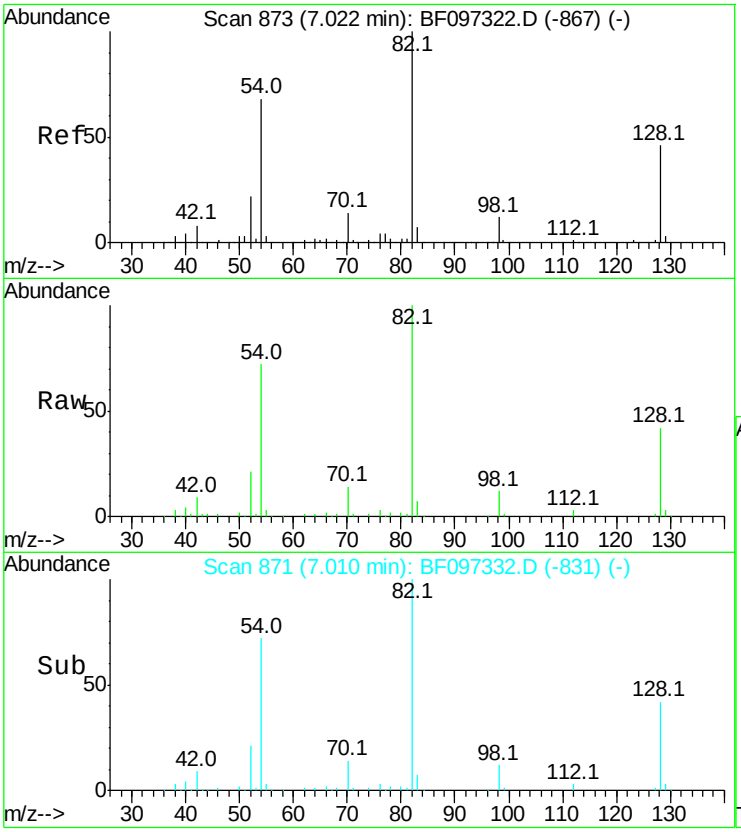


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:136 Resp: 461686

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	9.9	4.9	7.3#
68	5.3	4.1	6.1

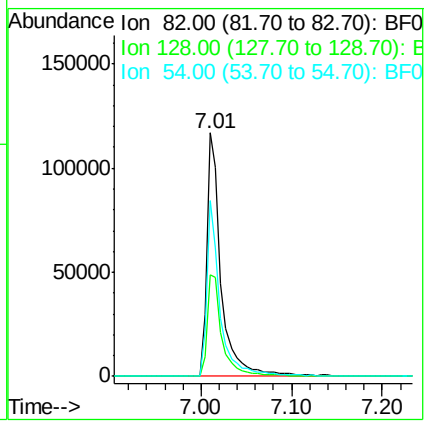




#23
Nitrobenzene-d5
Concen: 16.602 ng
RT: 7.01 min Scan# 871
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion: 82 Resp: 130659

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.0	51.0
54	71.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
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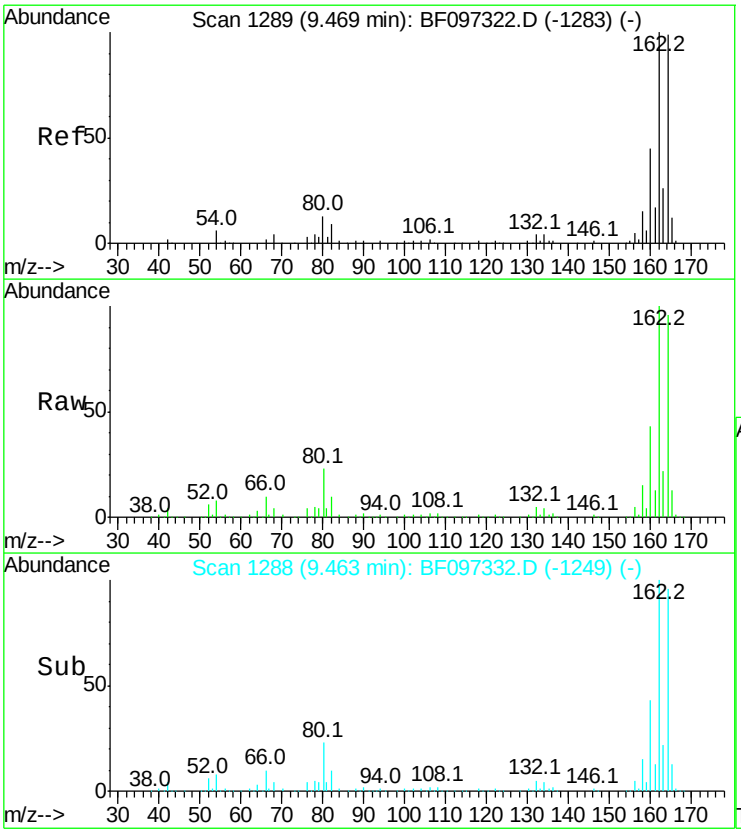
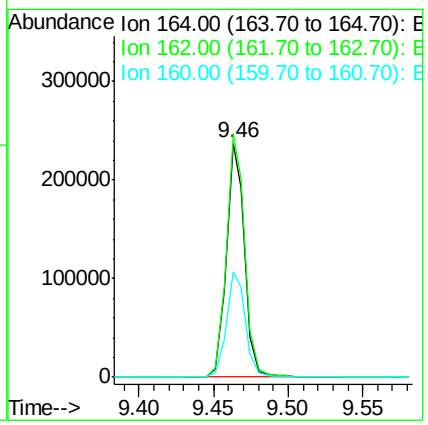
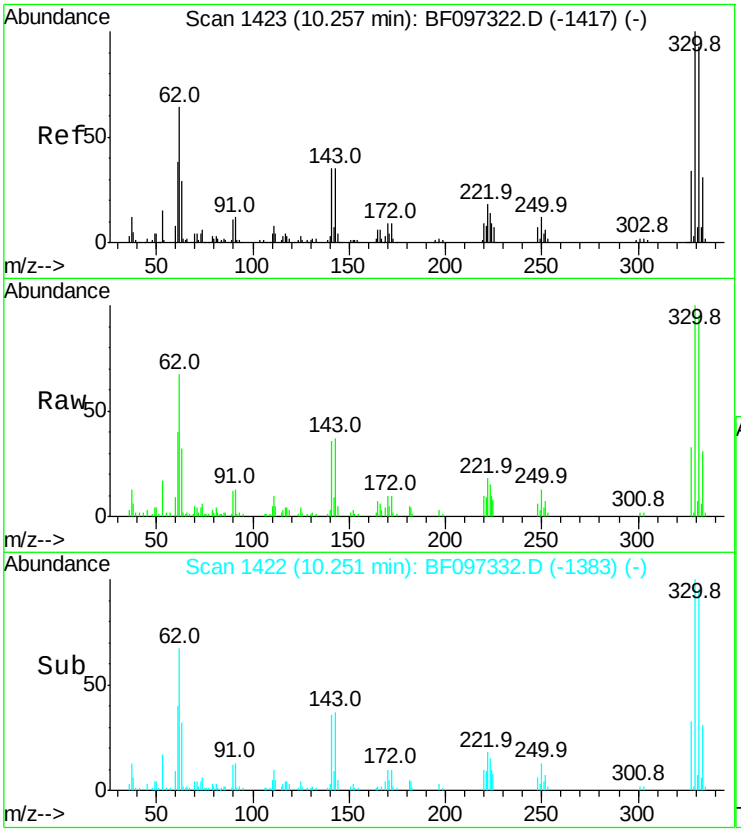


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.46 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:164 Resp: 204688

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	45.1	36.2	54.2

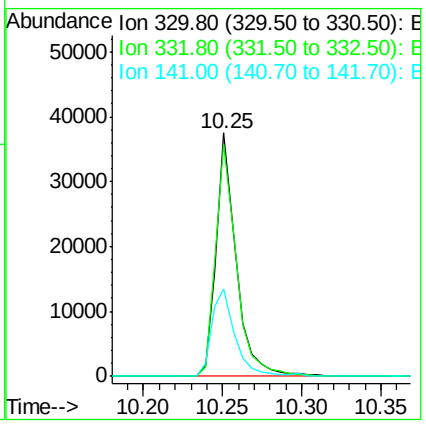




#41
2,4,6-Tribromophenol
Concen: 20.415 ng
RT: 10.25 min Scan# 1422
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:330 Resp: 33016

Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.6	115.0
141	42.1	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
VNJ-220

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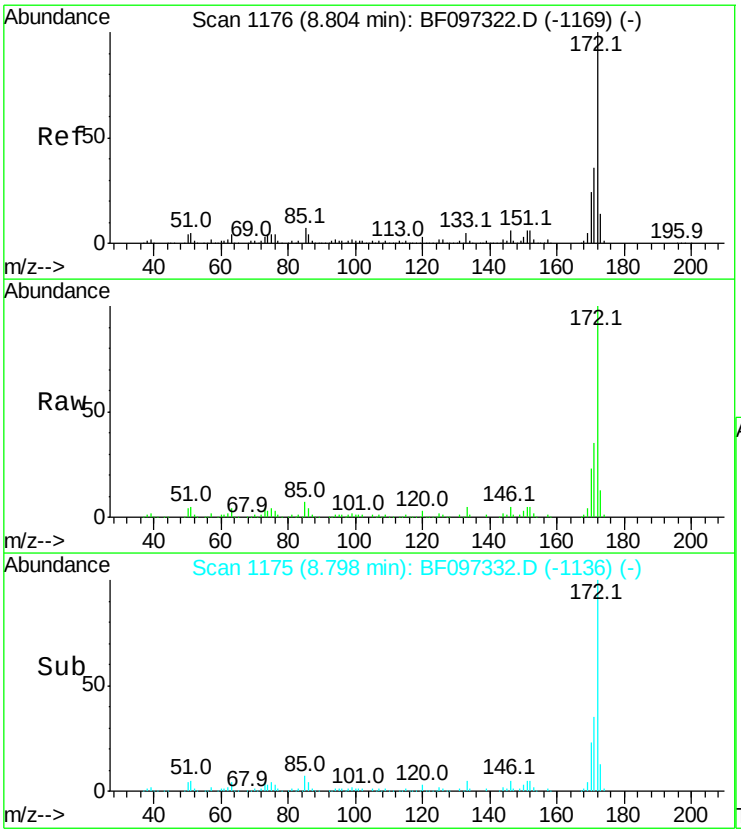
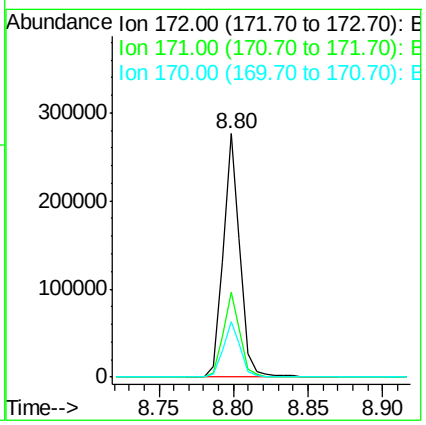
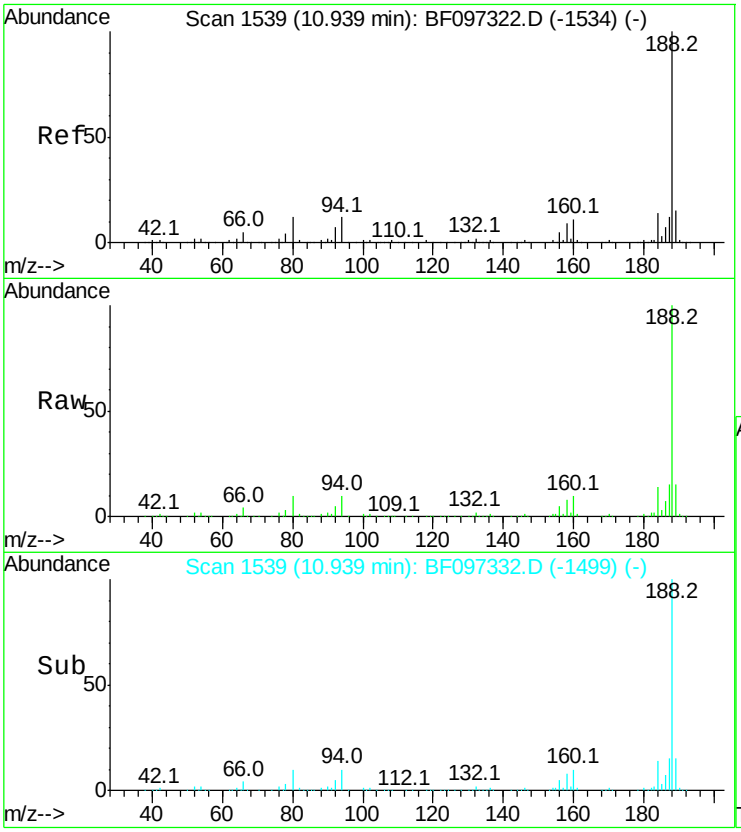


#44
2-Fluorobiphenyl
Concen: 18.123 ng
RT: 8.80 min Scan# 1175
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:172 Resp: 218584

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	22.8	19.8	29.8

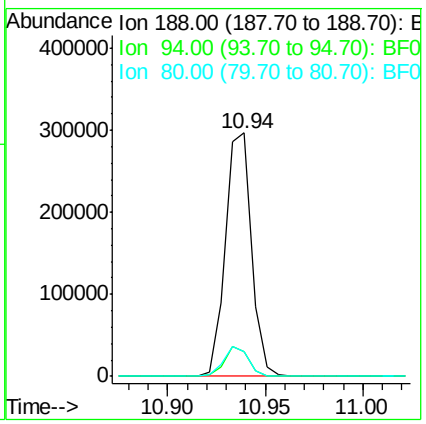




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:188 Resp: 275190

Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.3	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
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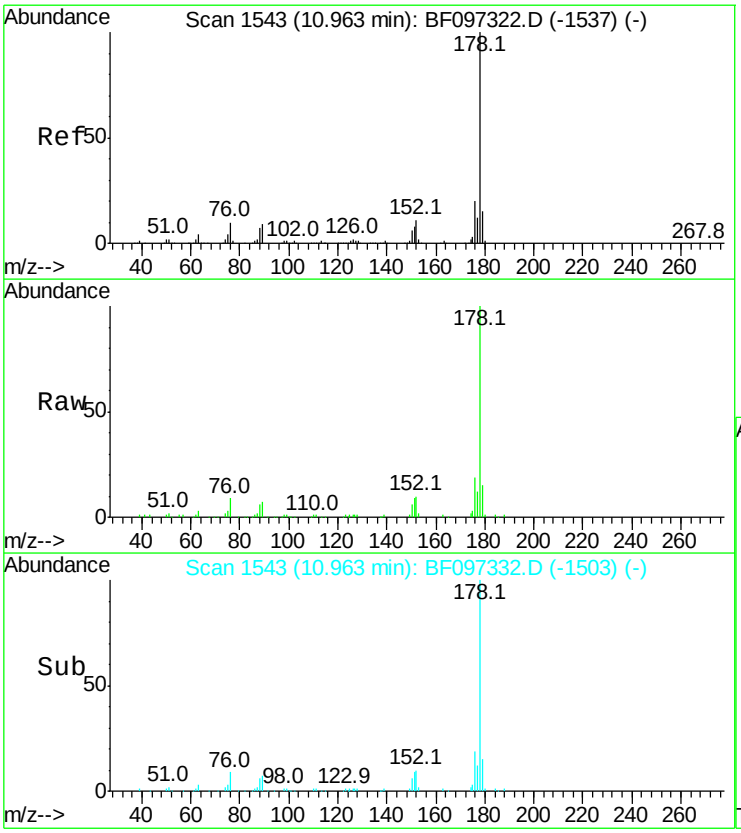
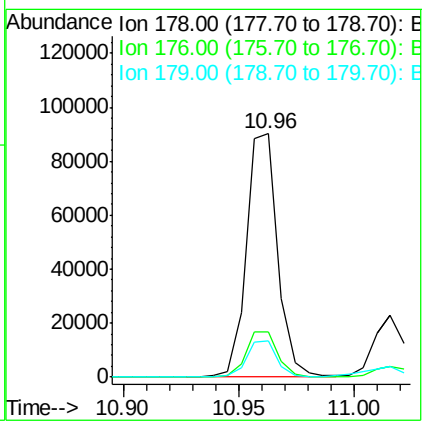
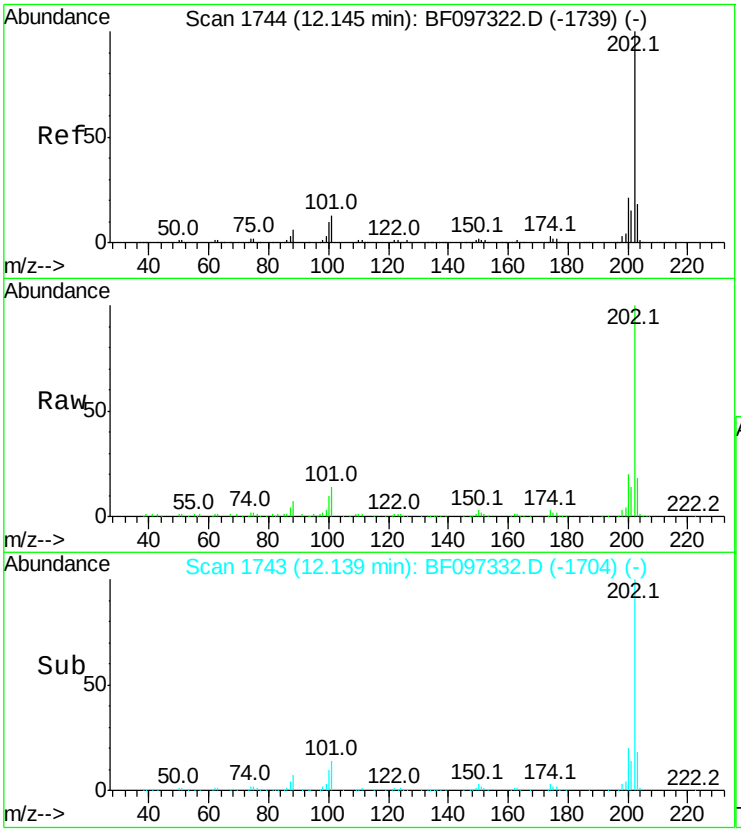


#70
Phenanthrene
Concen: 5.807 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:178 Resp: 85620

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.1	12.6	19.0

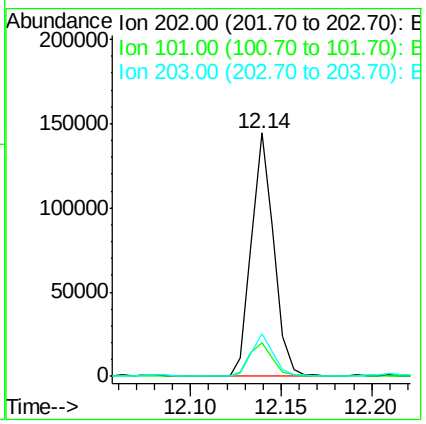




#74
Fluoranthene
Concen: 8.606 ng
RT: 12.14 min Scan# 1743
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:202 Resp: 124319

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.5	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
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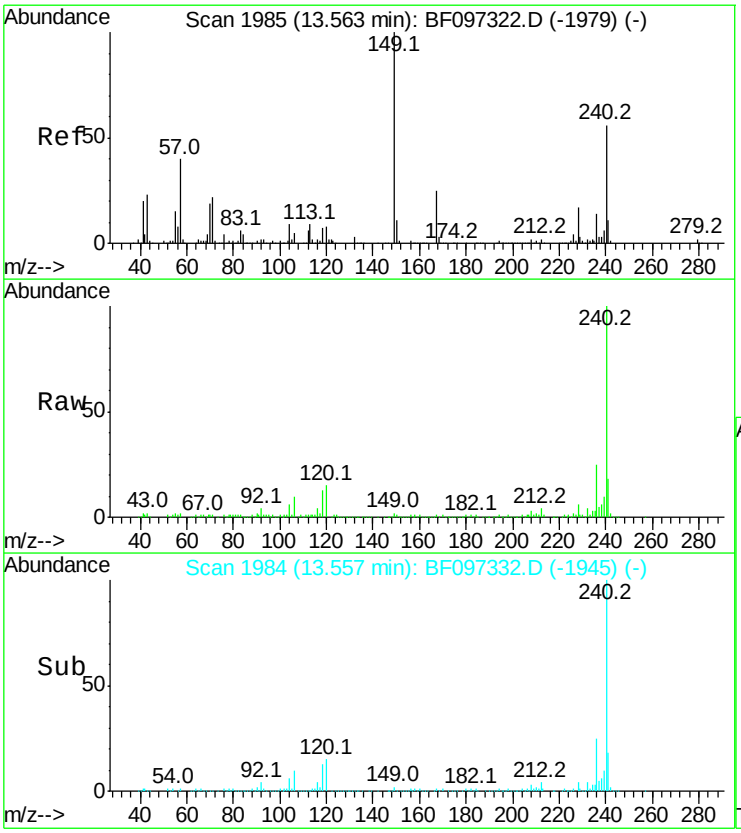
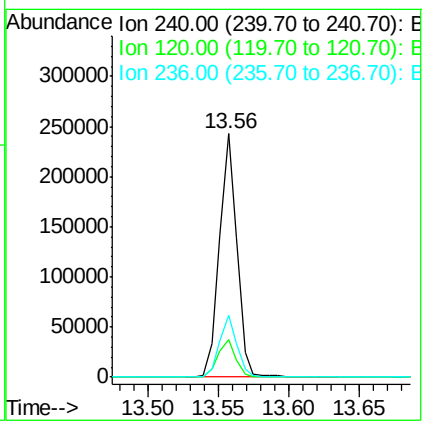
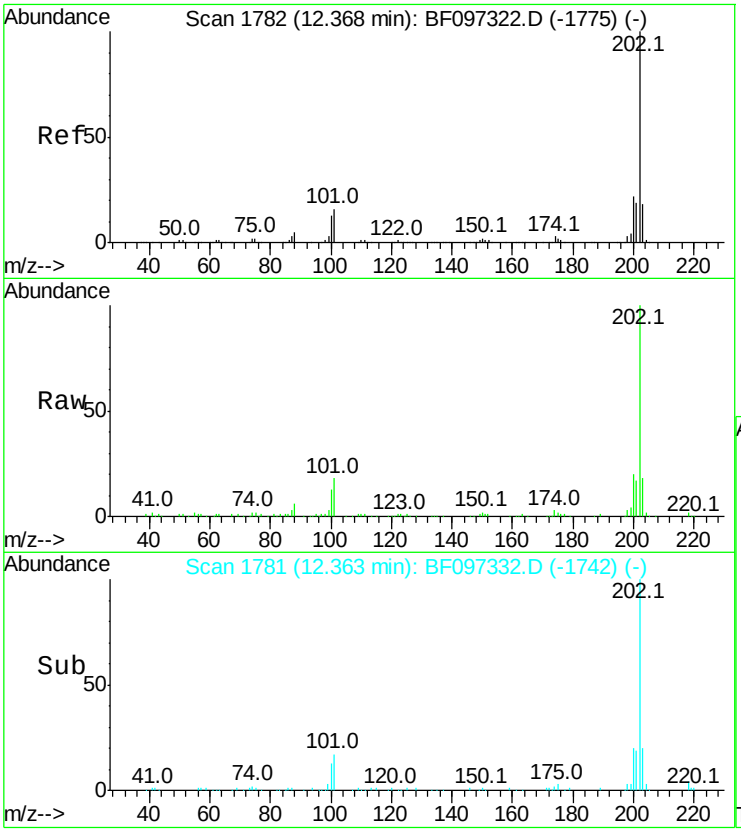


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:240 Resp: 209313

Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	25.4	20.5	30.7

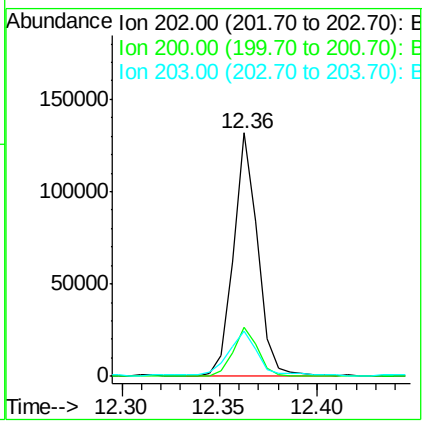




#77
Pyrene
Concen: 6.615 ng
RT: 12.36 min Scan# 1781
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:202 Resp: 113360

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	18.4	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
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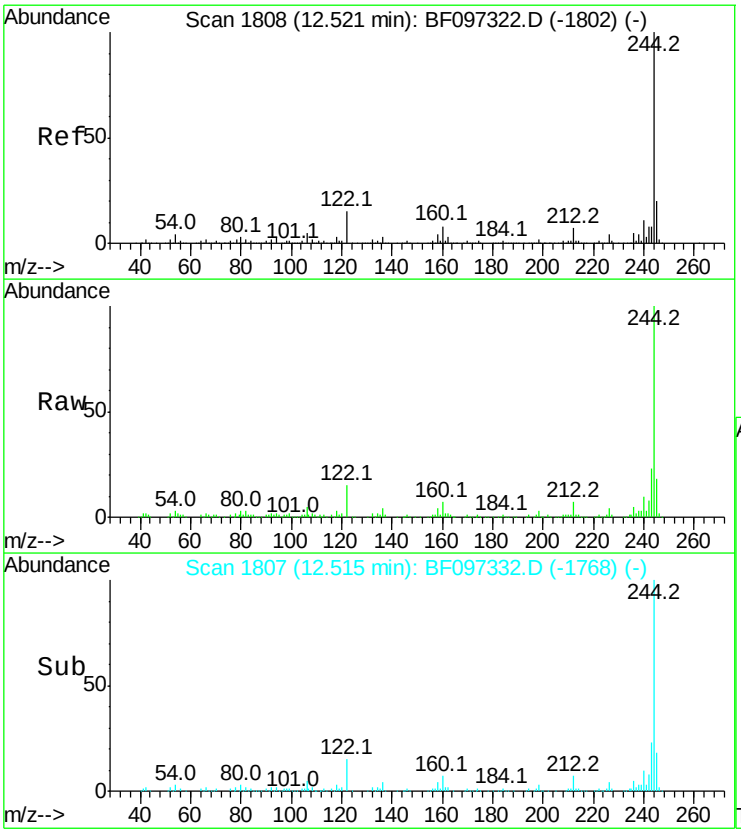
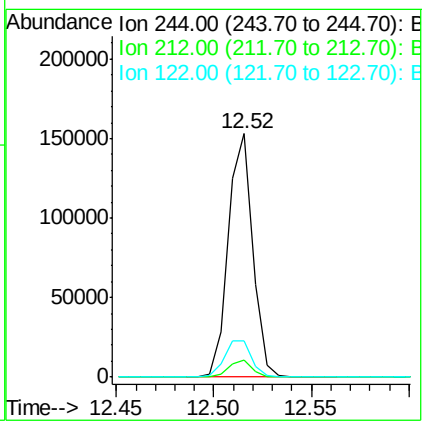
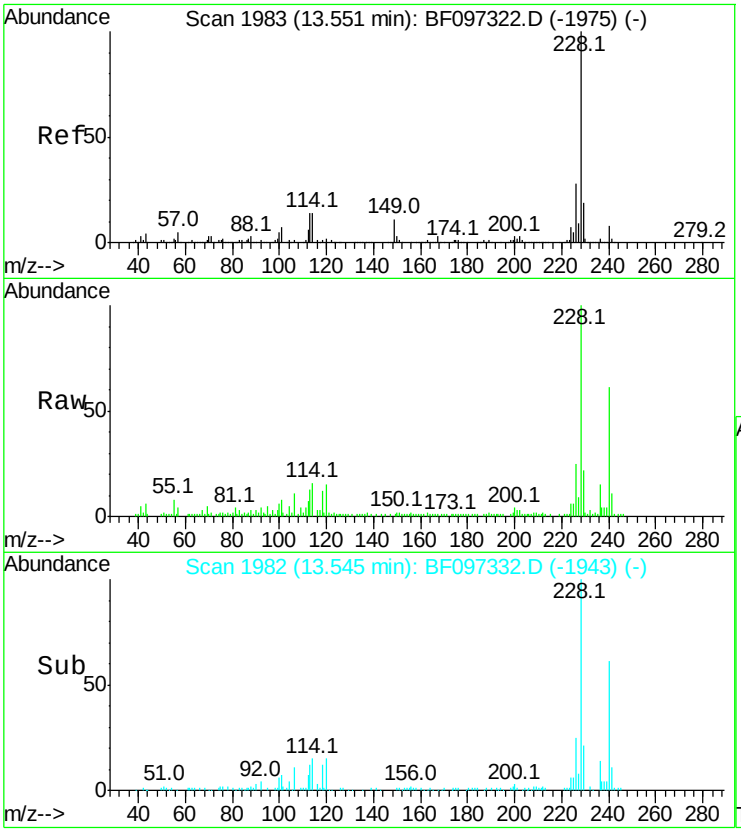


#78
Terphenyl-d14
Concen: 12.953 ng
RT: 12.52 min Scan# 1807
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:244 Resp: 132981

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.9	10.3	15.5

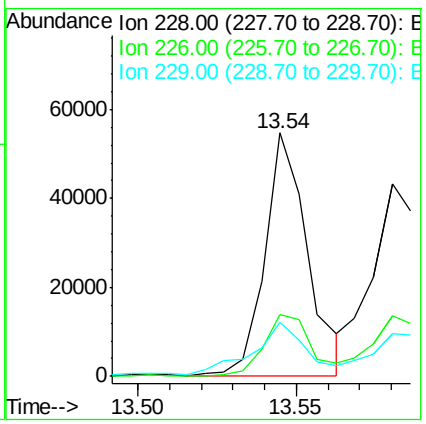




#80
Benzo(a)anthracene
Concen: 3.794 ng
RT: 13.54 min Scan# 1982
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:228 Resp: 51380

Ion	Ratio	Lower	Upper
228	100		
226	25.3	22.6	33.8
229	22.0	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
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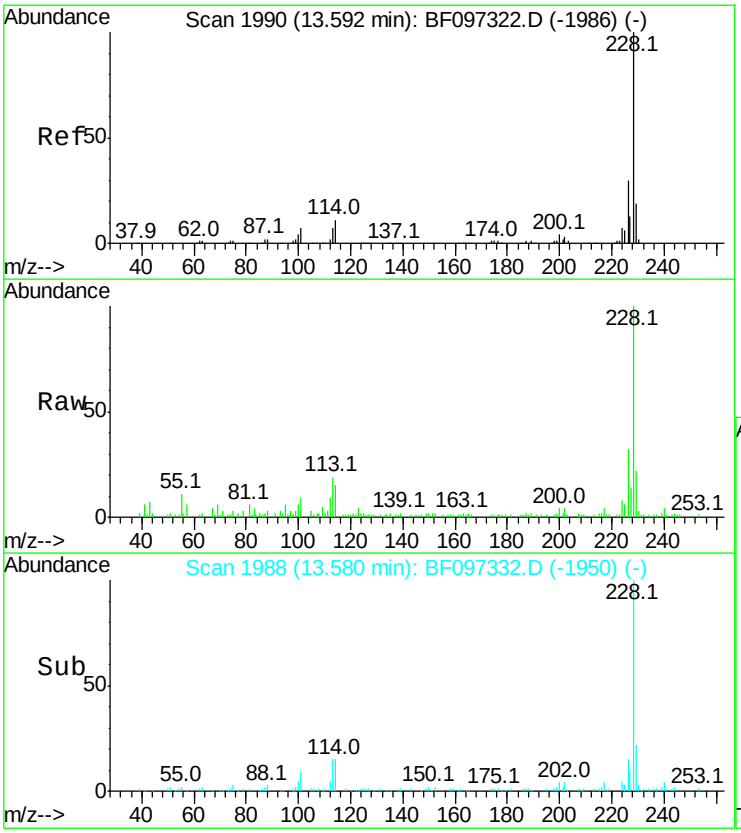
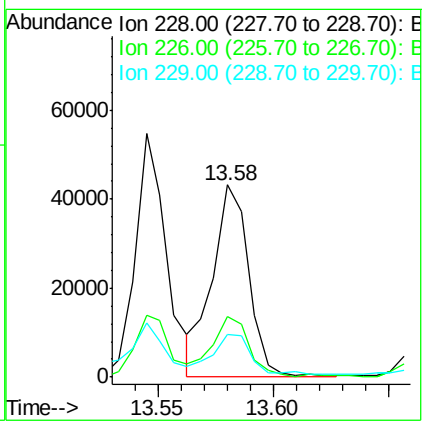
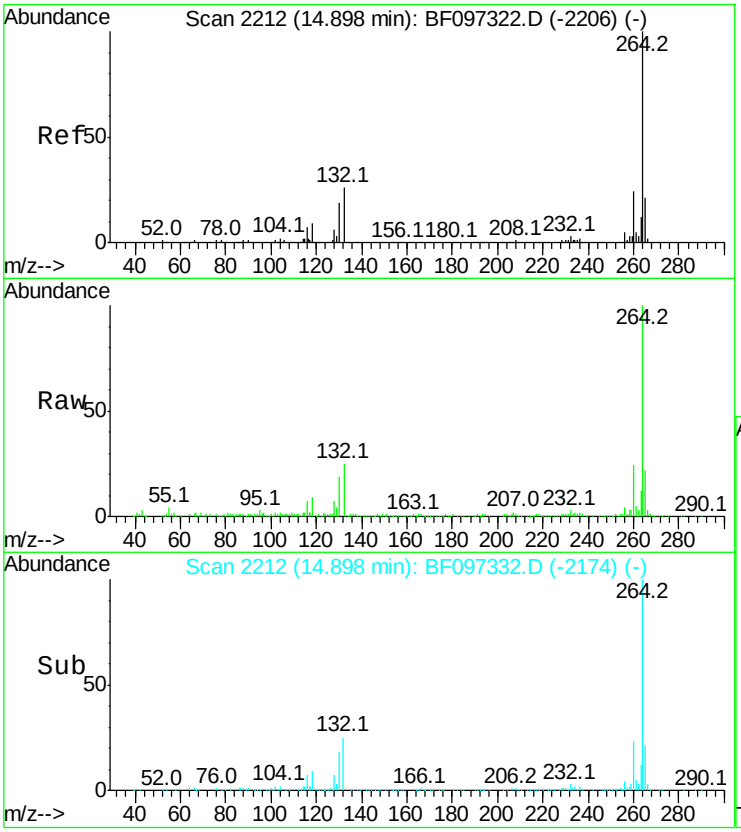


#82
Chrysene
Concen: 3.606 ng
RT: 13.58 min Scan# 1988
Delta R.T. -0.08 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:228 Resp: 47684

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	22.3	15.8	23.6

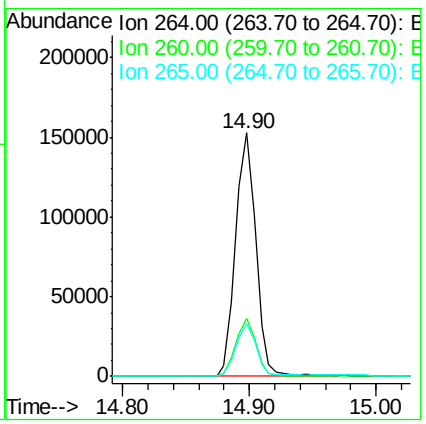




#86
Perylene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2212
Delta R.T. -0.08 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:264 Resp: 168361

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.7	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
VNJ-220

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Sohil
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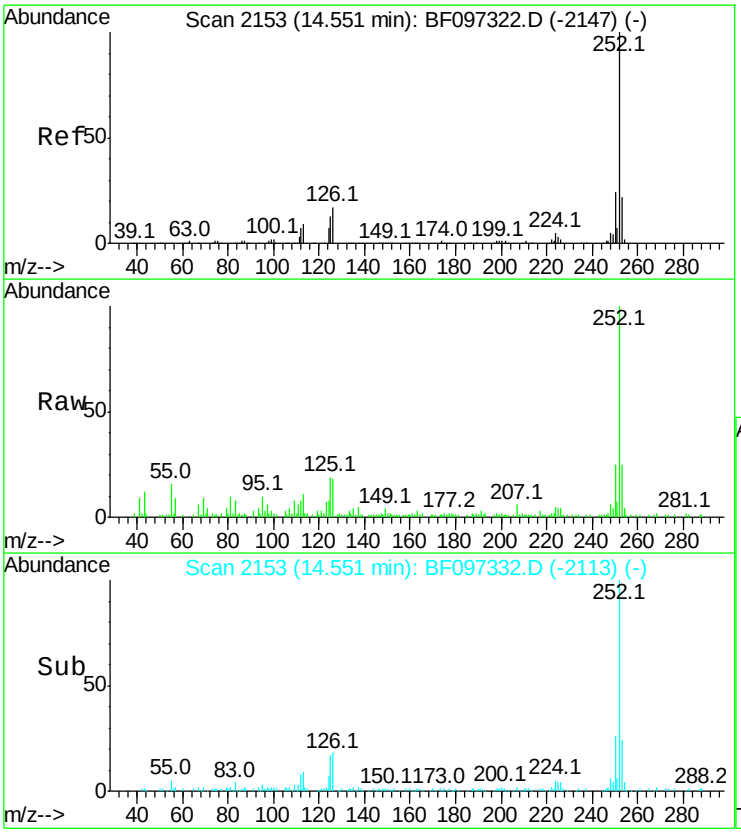
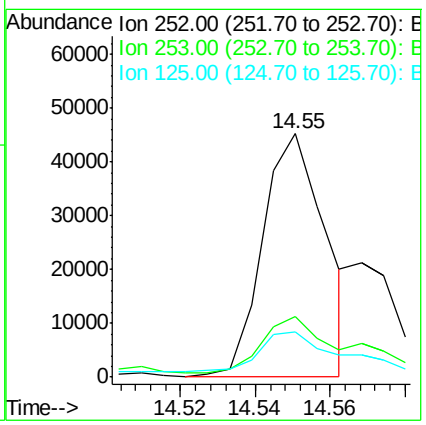
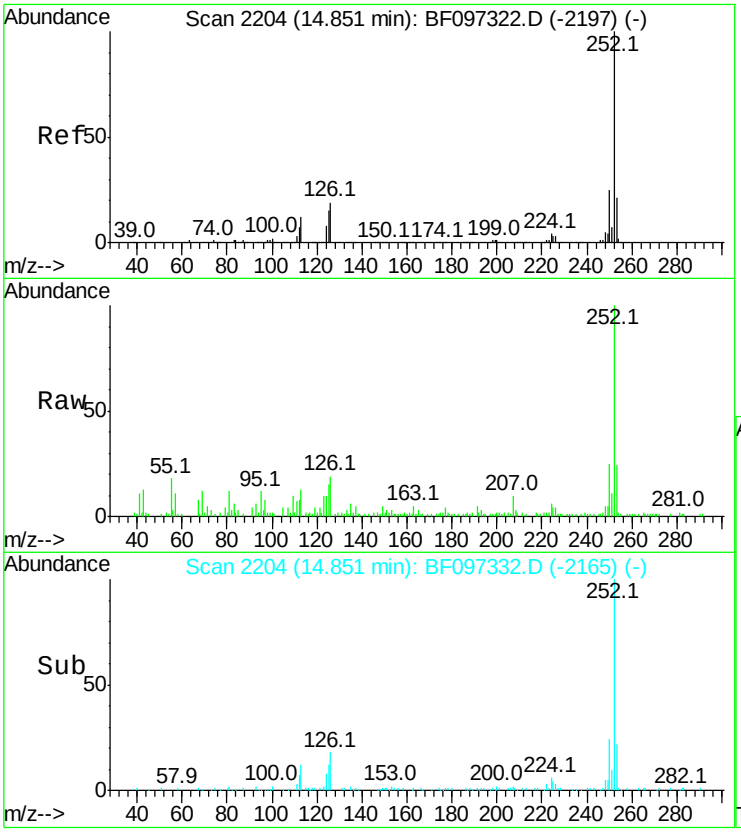


#87
Benzo(b)fluoranthene
Concen: 5.254 ng m
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:252 Resp: 53173

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	18.6	9.8	14.8#

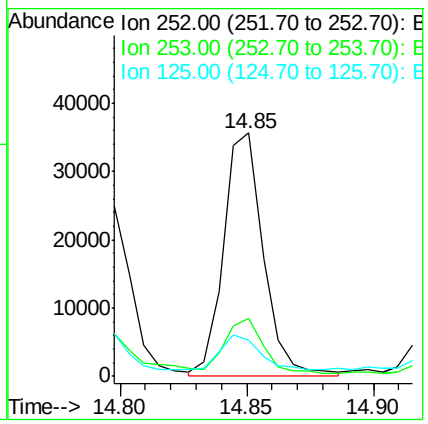




#89
Benzo(a)pyrene
Concen: 4.174 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

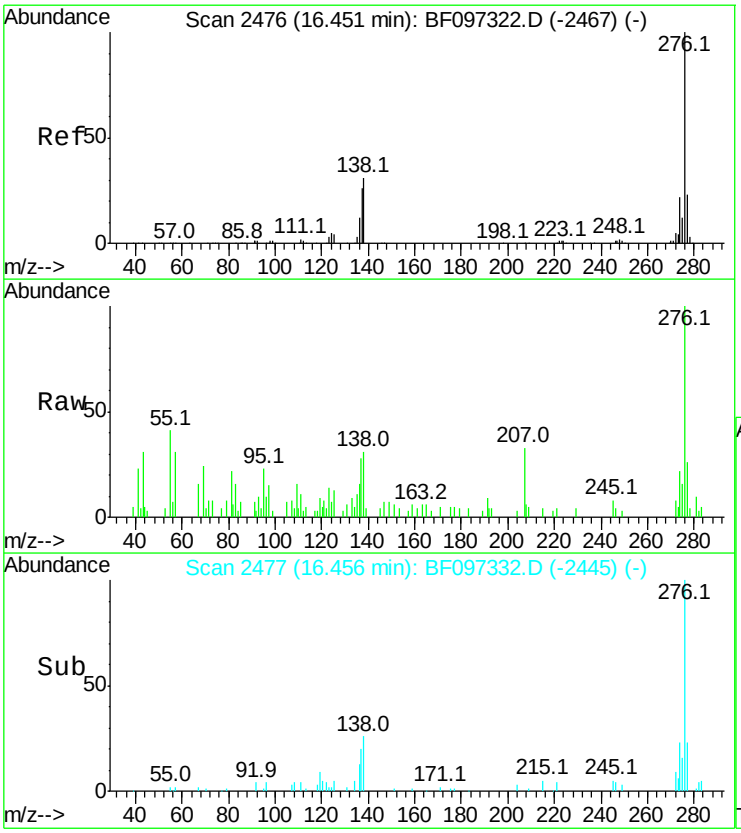
Tgt Ion:252 Resp: 38663

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
VNJ-220

Manual Integrations APPROVED
Sohil
8/4/2017 5:30:25 PM



#91
Benzo(g,h,i)perylene
Concen: 2.433 ng
RT: 16.46 min Scan# 2477
Delta R.T. -0.11 min
Lab File: BF097332.D
Acq: 3 Aug 2017 22:28

Tgt Ion:276 Resp: 19376

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	31.2	25.4	38.0