Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087469.D
Acq On : 28 May 2016 6:03
Operator : UM/SJ
Sample : H3190-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Manual Integrations APPROVED
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Quant Time: May 28 06:38:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	105047	20.00	ng		-0.03
21) Naphthalene-d8	9.52	136	427604	20.00	ng		-0.03
38) Acenaphthene-d10	12.34	164	185059	20.00	ng		-0.05
63) Phenanthrene-d10	14.74	188	289028	20.00	ng		-0.03
75) Chrysene-d12	18.47	240	219817	20.00	ng		-0.01
86) Perylene-d12	20.14	264	179354	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	616492	103.12	ng		-0.03
7) Phenol-d6	7.04	99	869048	107.58	ng		-0.03
23) Nitrobenzene-d5	8.40	82	595139	70.14	ng		-0.05
41) 2,4,6-Tribromophenol	13.63	330	151223	85.03	ng		-0.05
44) 2-Fluorobiphenyl	11.29	172	952921	72.59	ng		-0.05
78) Terphenyl-d14	17.11	244	667658	64.57	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	9.55	128	99019	4.62	ng		99
37) 2-Methylnaphthalene	10.67	142	57892	4.32	ng	#	95
48) Acenaphthylene	12.11	152	183725	9.74	ng		98
49) Dimethylphthalate	11.99	163	168526	11.37	ng		99
51) Acenaphthene	12.39	154	121660	10.49	ng		98
54) Dibenzofuran	12.69	168	80650	5.14	ng		98
57) Fluorene	13.23	166	117240	8.61	ng		96
70) Phenanthrene	14.79	178	2267900	141.66	ng		99
71) Anthracene	14.87	178	763440	47.20	ng		99
72) Carbazole	15.17	167	153332	11.12	ng		99
74) Fluoranthene	16.57	202	4414929	275.00	ng		97
77) Pyrene	16.88	202	4028152	254.58	ng	#	92
80) Benzo(a)anthracene	18.46	228	2196581	175.68	ng		97
82) Chrysene	18.50	228	1679147	135.31	ng		96
85) Indeno(1,2,3-cd)pyrene	21.36	276	831357	83.57	ng	#	89
87) Benzo(b)fluoranthene	19.74	252	2306548m	201.89	ng		
88) Benzo(k)fluoranthene	19.75	252	738573m	75.11	ng		
89) Benzo(a)pyrene	20.09	252	1627105m	164.67	ng		
90) Dibenzo(a,h)anthracene	21.36	278	181696m	21.56	ng		
91) Benzo(g,h,i)perylene	21.71	276	775317m	93.24	ng		

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

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Manual Integrations APPROVED
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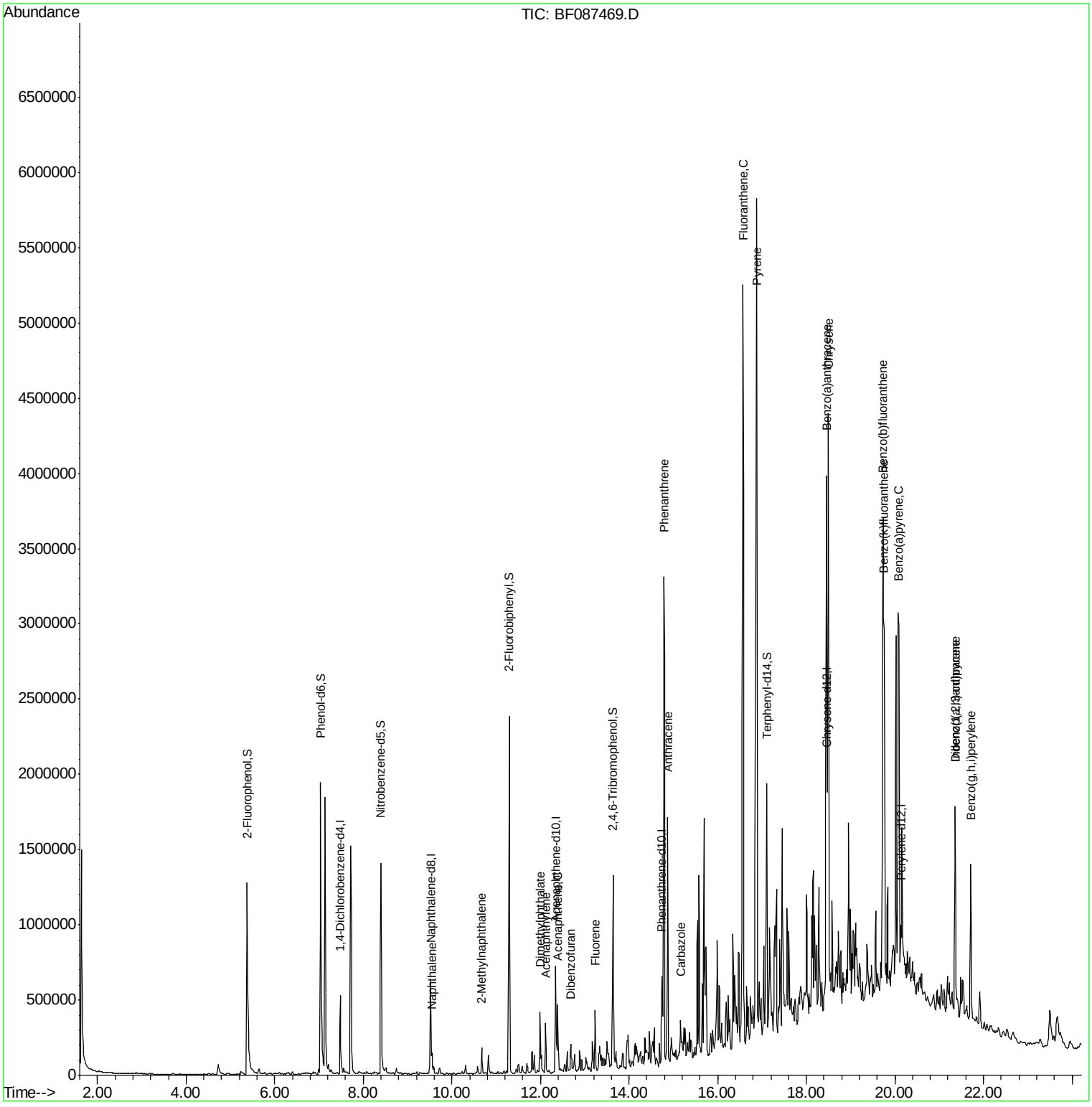
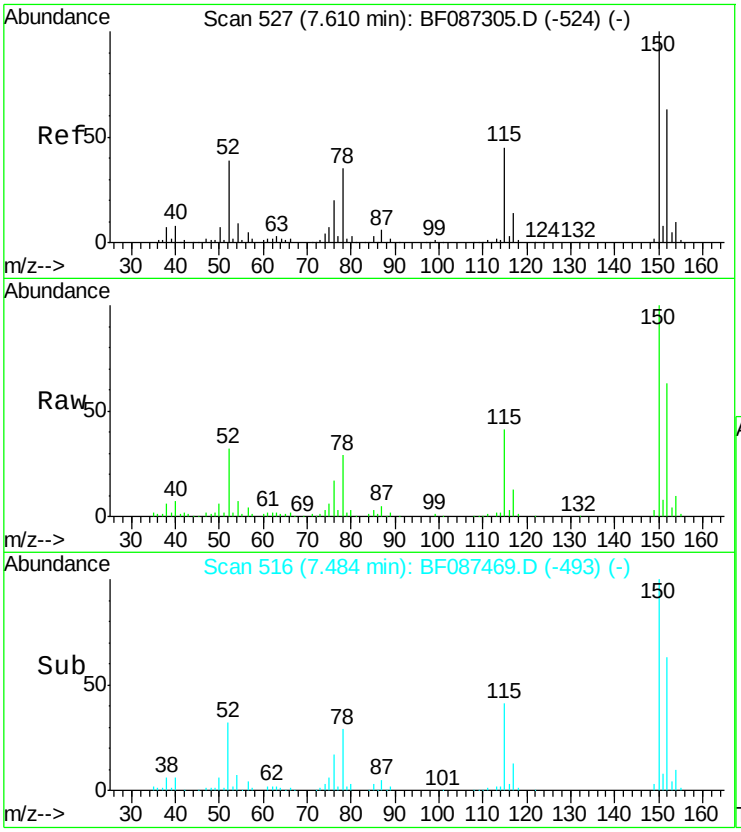
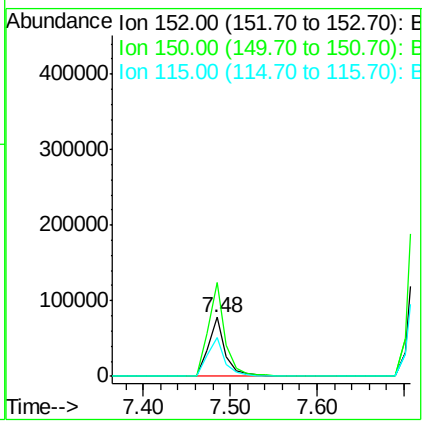




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.48 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:152 Resp: 105047

Ion	Ratio	Lower	Upper
152	100		
150	159.5	125.8	188.6
115	66.2	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Manual Integrations APPROVED
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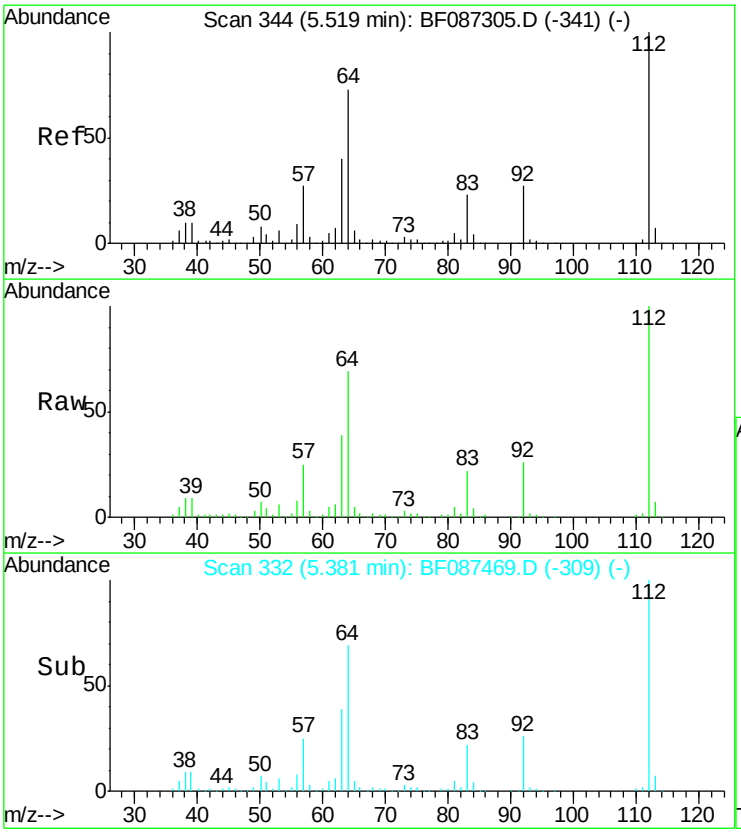
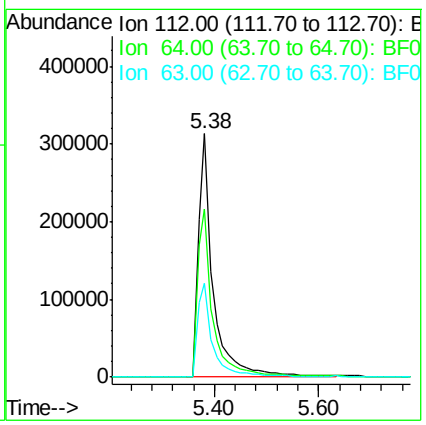
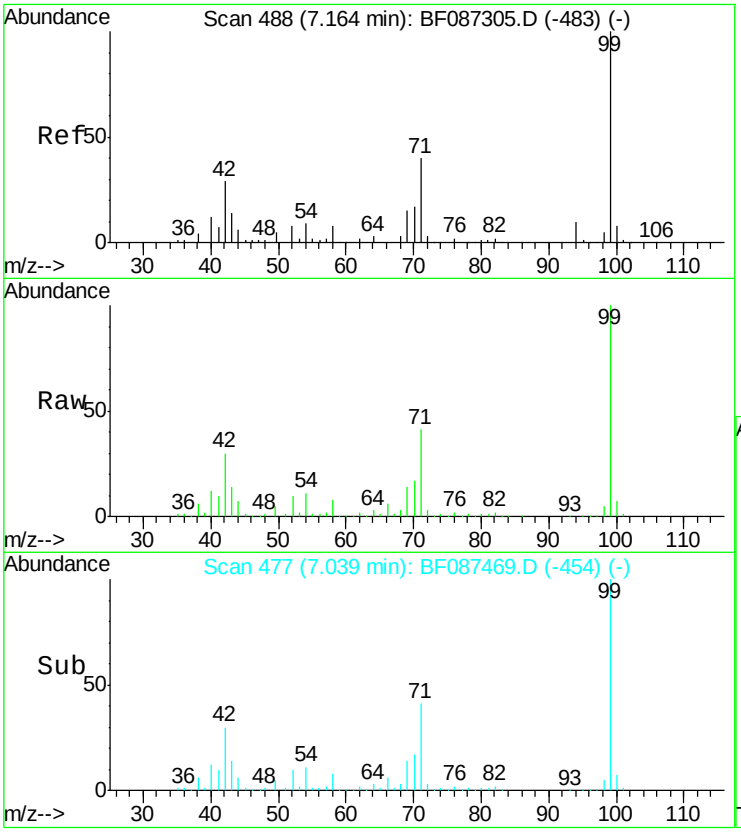


#5
2-Fluorophenol
Concen: 103.12 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:112 Resp: 616492

Ion	Ratio	Lower	Upper
112	100		
64	68.8	52.1	78.1
63	38.5	25.7	38.5#

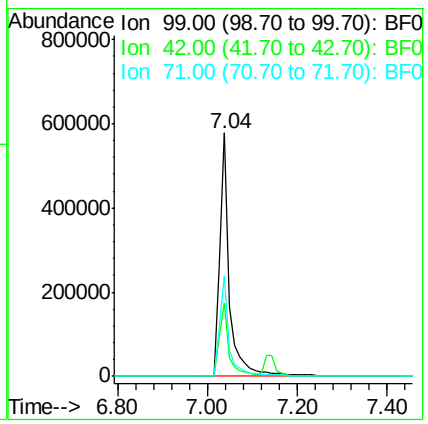




#7
Phenol-d6
Concen: 107.58 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion: 99 Resp: 869048

Ion	Ratio	Lower	Upper
99	100		
42	30.0	13.6	20.4#
71	40.9	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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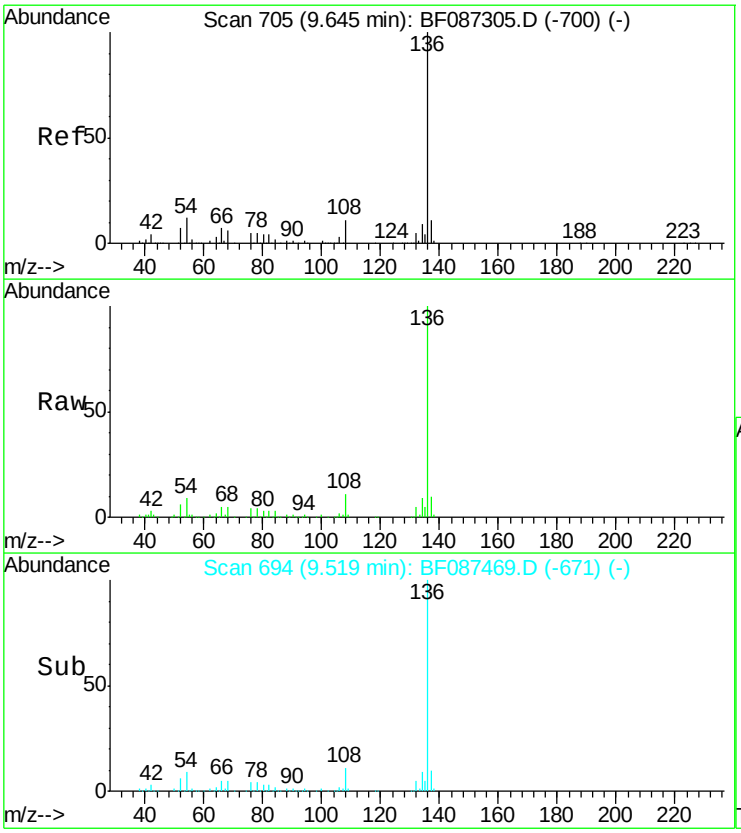
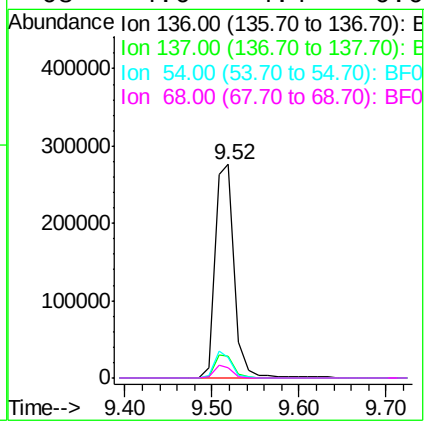
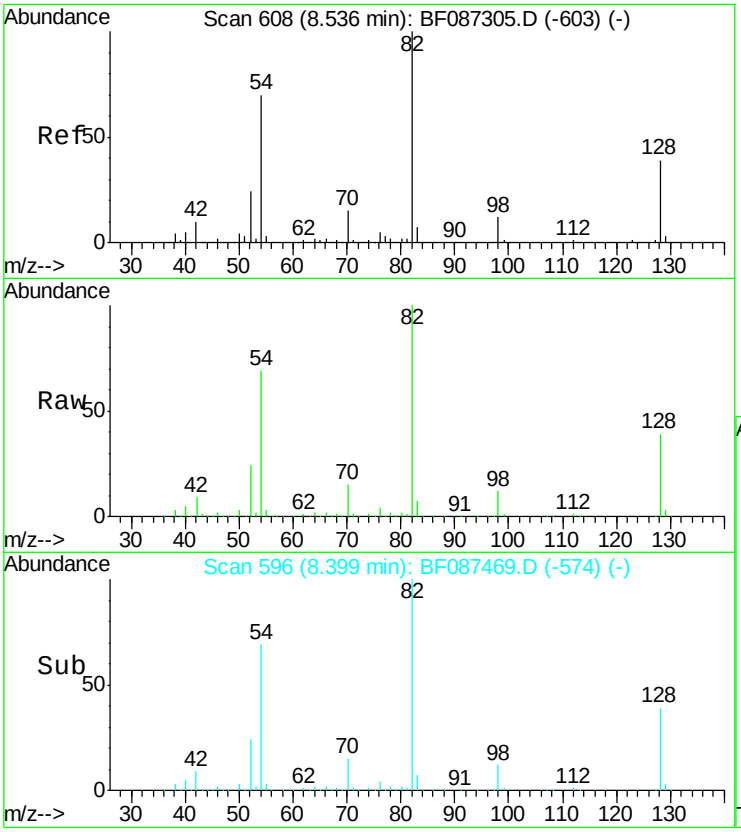


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:136 Resp: 427604

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	9.3	5.0	7.4#
68	4.6	4.4	6.6

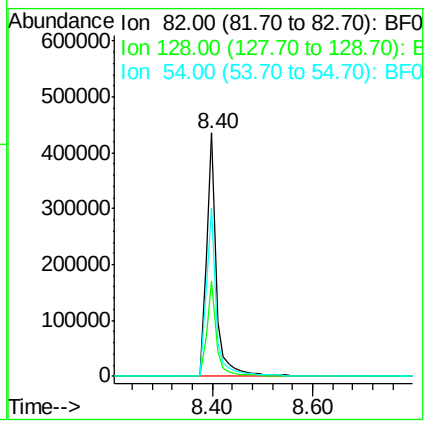




#23
Nitrobenzene-d5
Concen: 70.14 ng
RT: 8.40 min Scan# 596
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion: 82 Resp: 595139

Ion	Ratio	Lower	Upper
82	100		
128	39.3	40.6	61.0#
54	69.2	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Manual Integrations APPROVED
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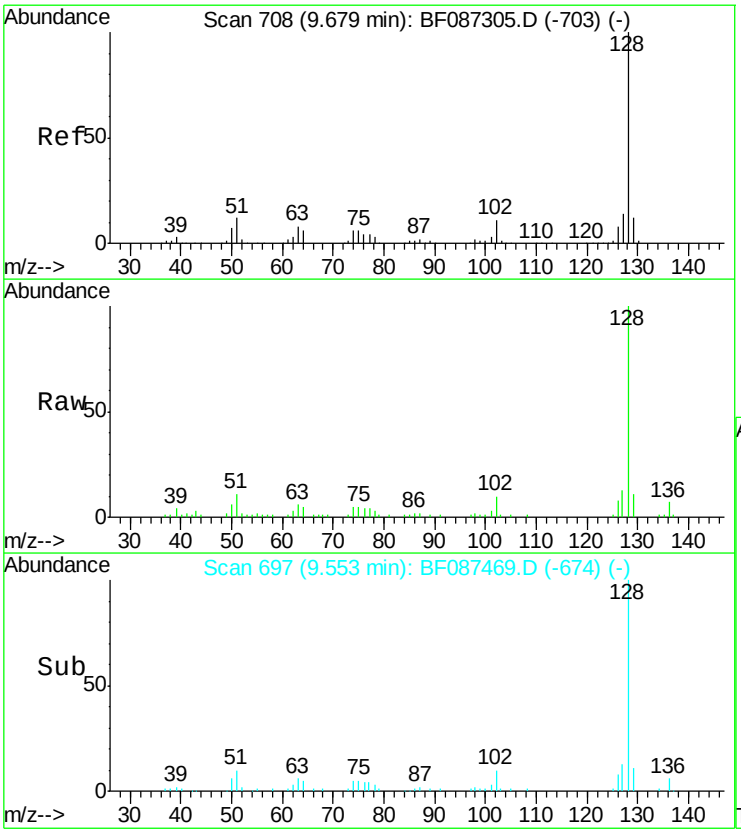
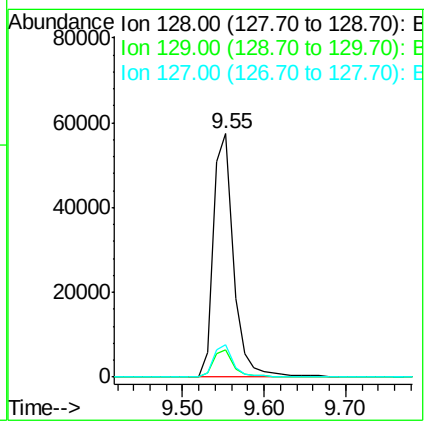
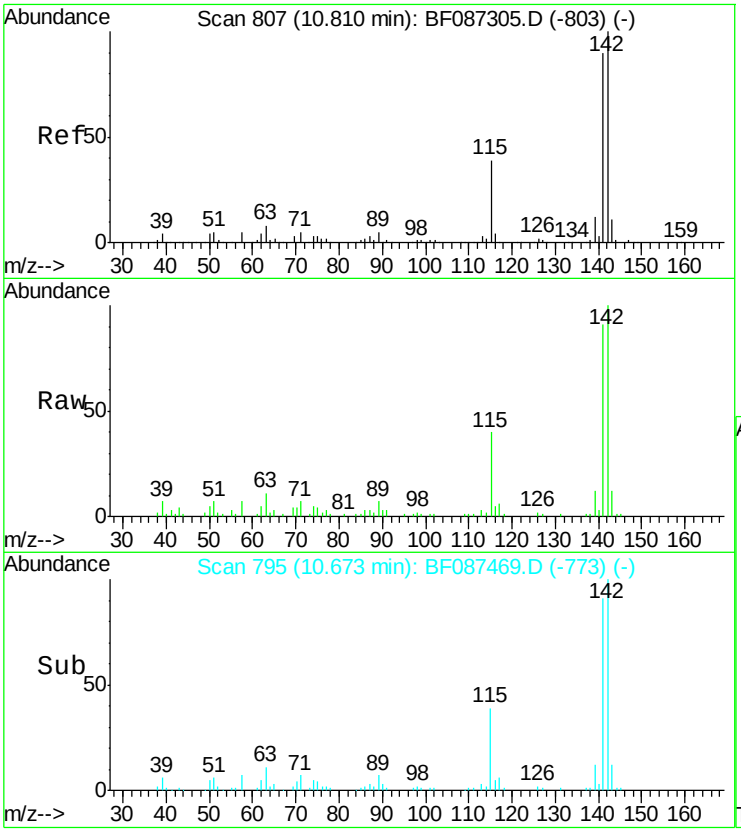


#31
Naphthalene
Concen: 4.62 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:128 Resp: 99019

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.1	10.8	16.2

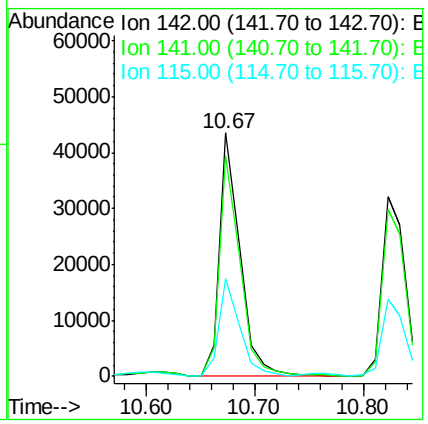




#37
2-Methylnaphthalene
Concen: 4.32 ng
RT: 10.67 min Scan# 795
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:142 Resp: 57892

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.0	106.6
115	40.1	26.6	39.8#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Manual Integrations APPROVED
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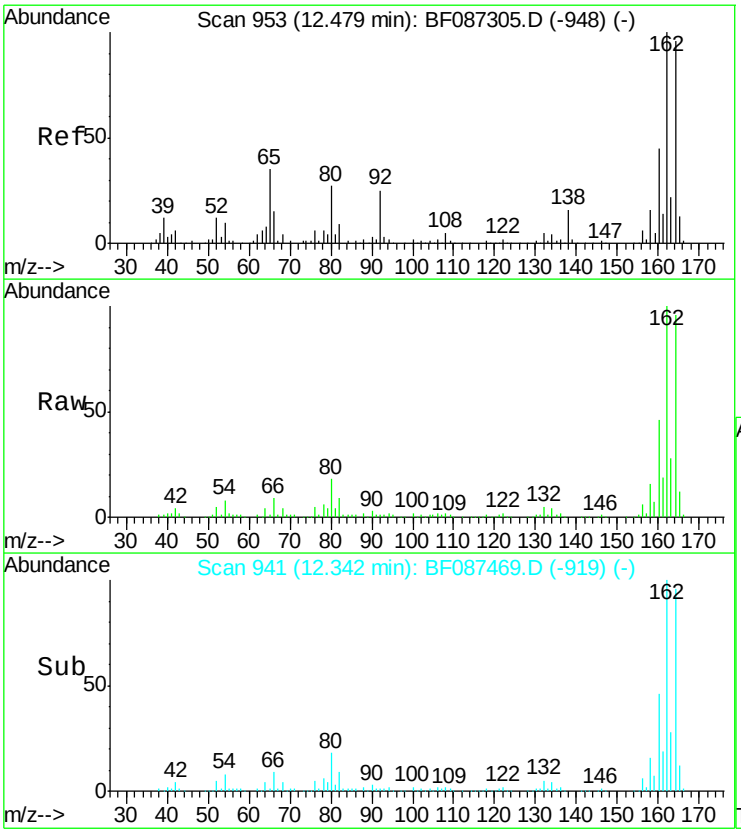
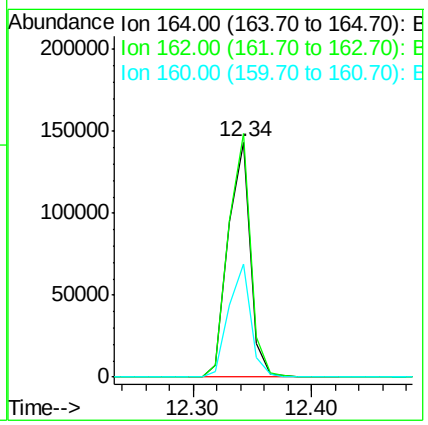
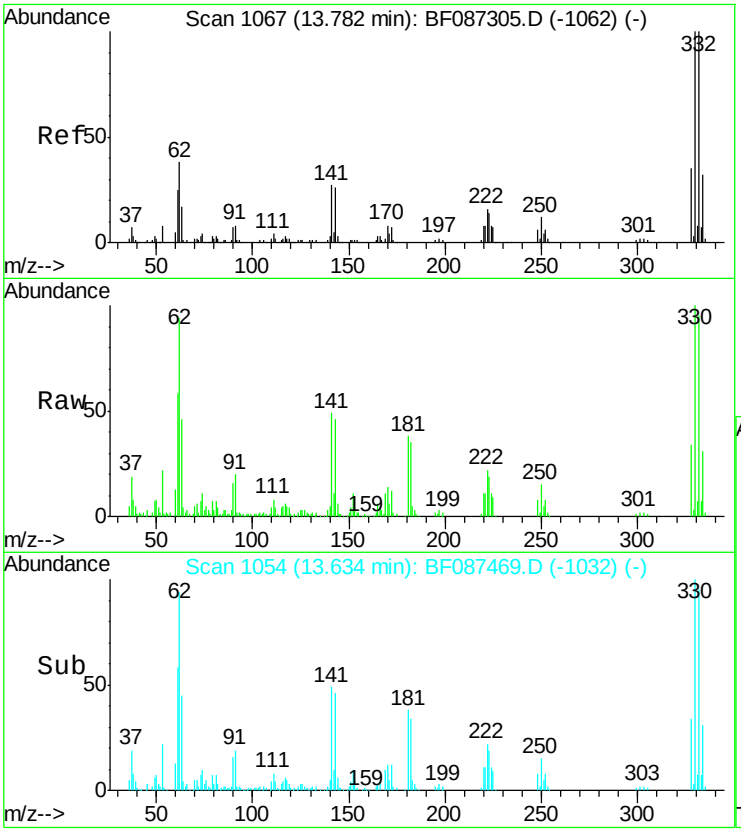


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:164 Resp: 185059

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.8	124.2
160	48.0	36.9	55.3

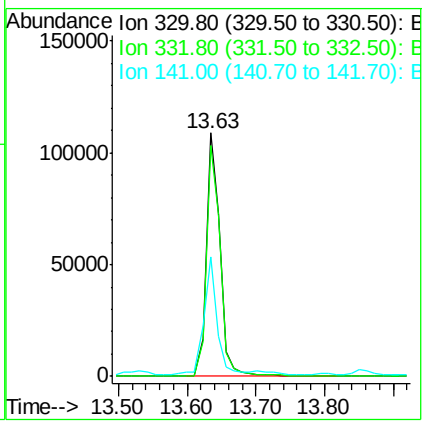




#41
2,4,6-Tribromophenol
Concen: 85.03 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:330 Resp: 151223

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.0	118.4
141	46.9	31.2	46.8#



Instrument :
BNA_F
ClientSampleId :
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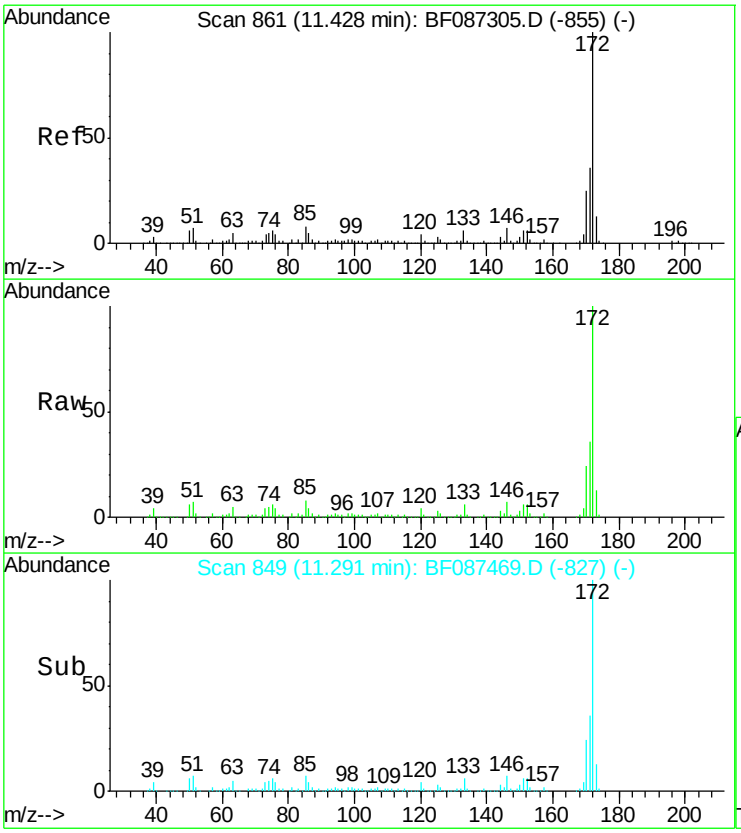
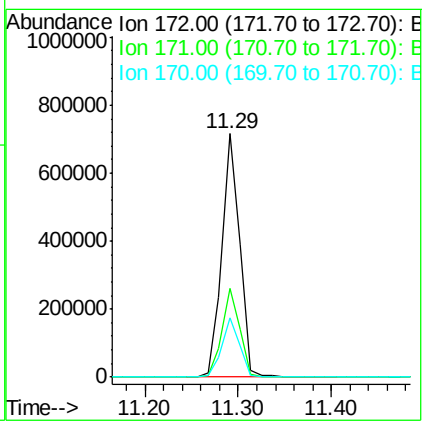
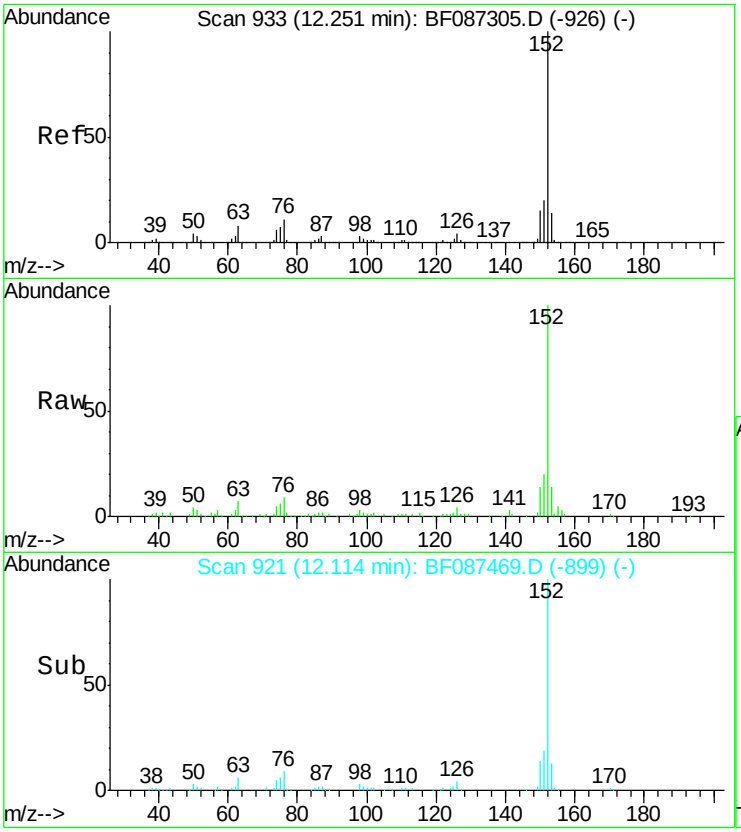


#44
2-Fluorobiphenyl
Concen: 72.59 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:172 Resp: 952921

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	24.2	19.8	29.8

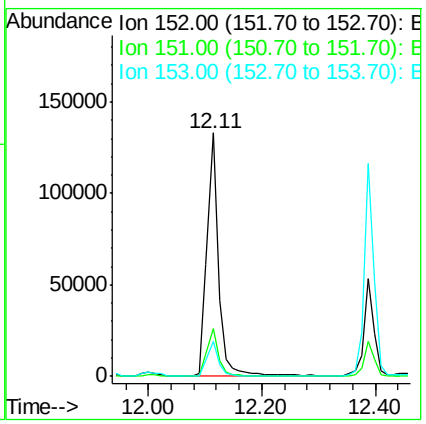




#48
Acenaphthylene
Concen: 9.74 ng
RT: 12.11 min Scan# 921
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:152 Resp: 183725

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	14.3	10.9	16.3



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ClientSampleId :
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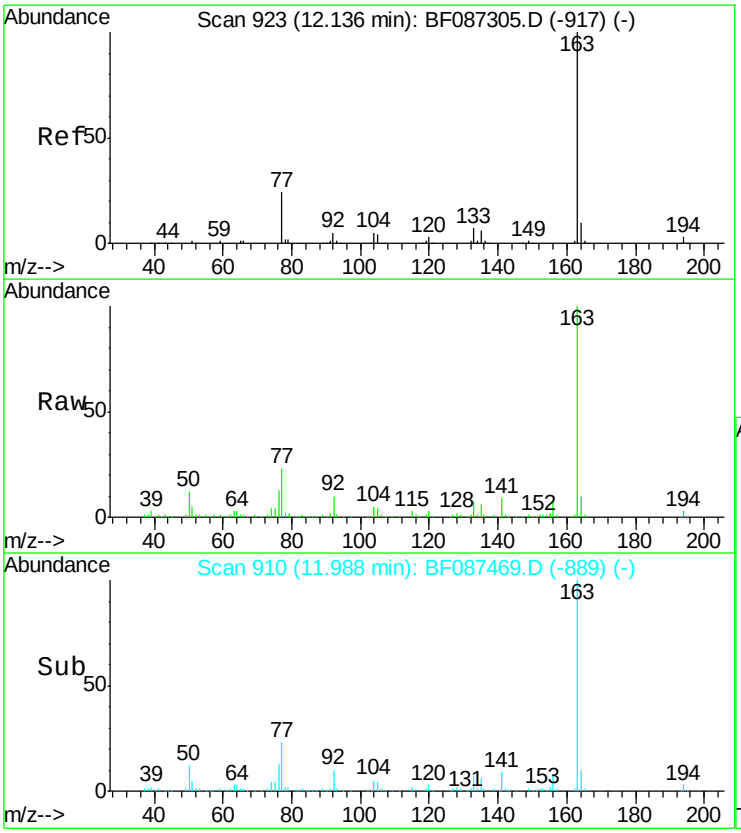
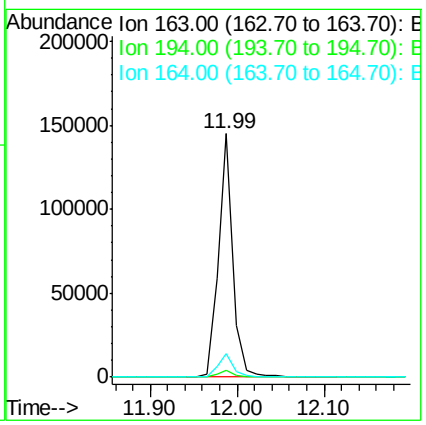
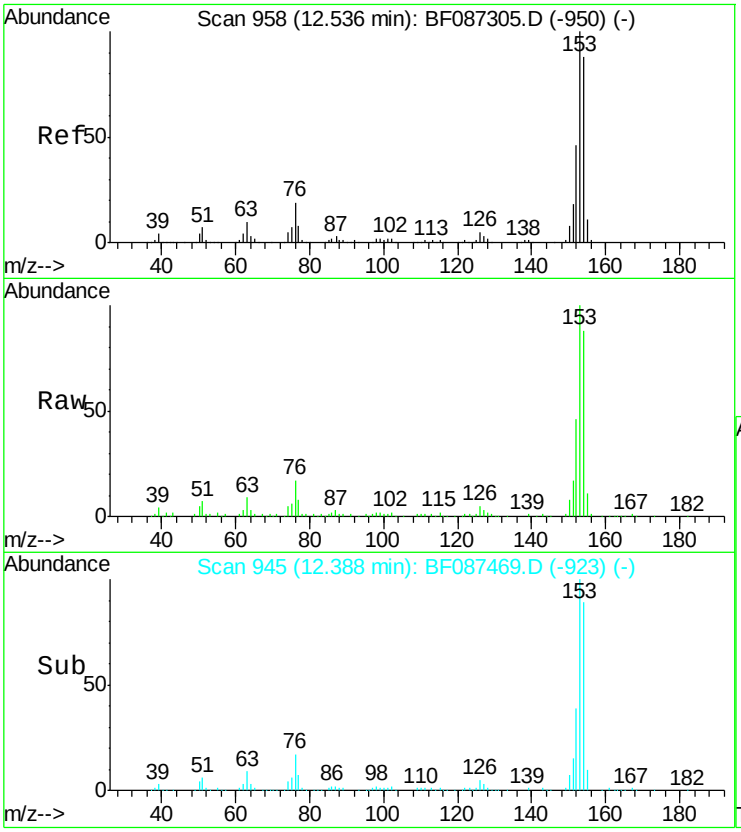


#49
Dimethylphthalate
Concen: 11.37 ng
RT: 11.99 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:163 Resp: 168526

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.9	8.2	12.4

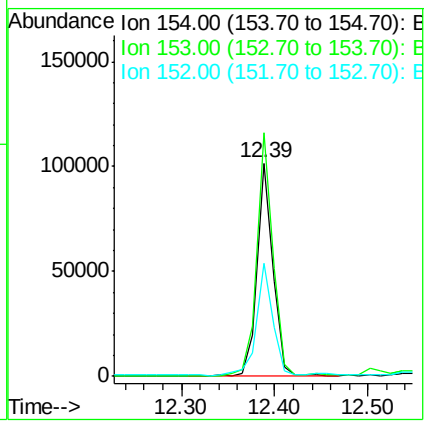




#51
Acenaphthene
Concen: 10.49 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:154 Resp: 121660

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.8	134.6
152	52.8	43.4	65.0



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CHS-STA-1696(0-4)

Manual Integrations APPROVED
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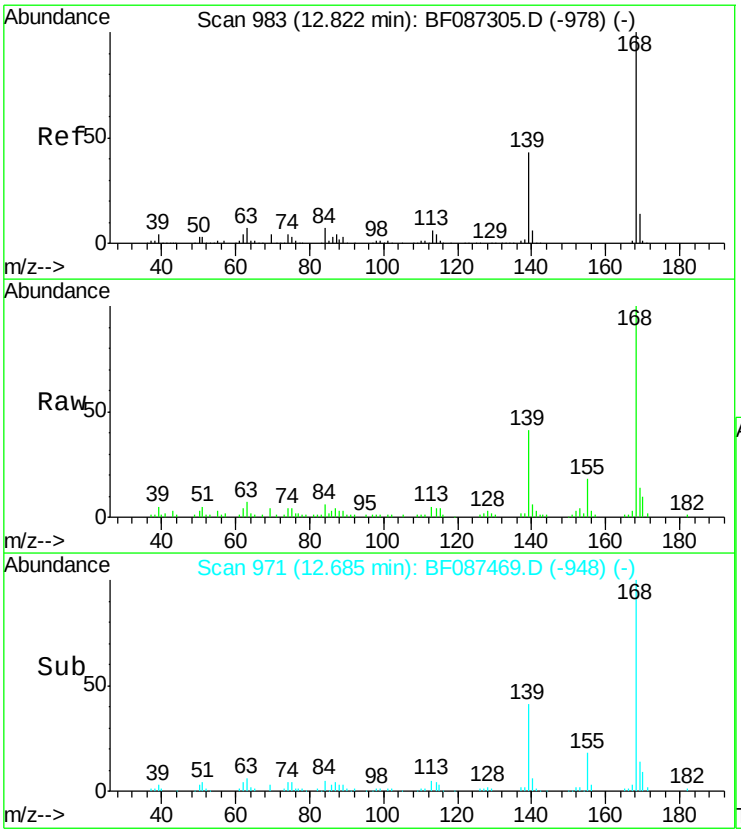
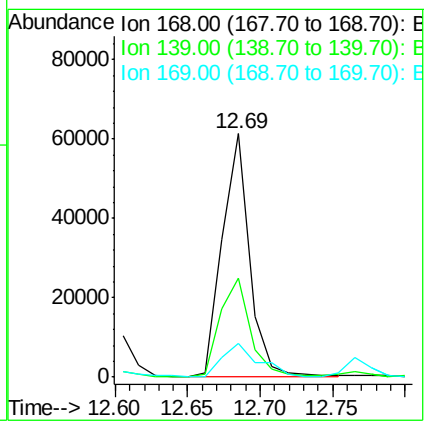
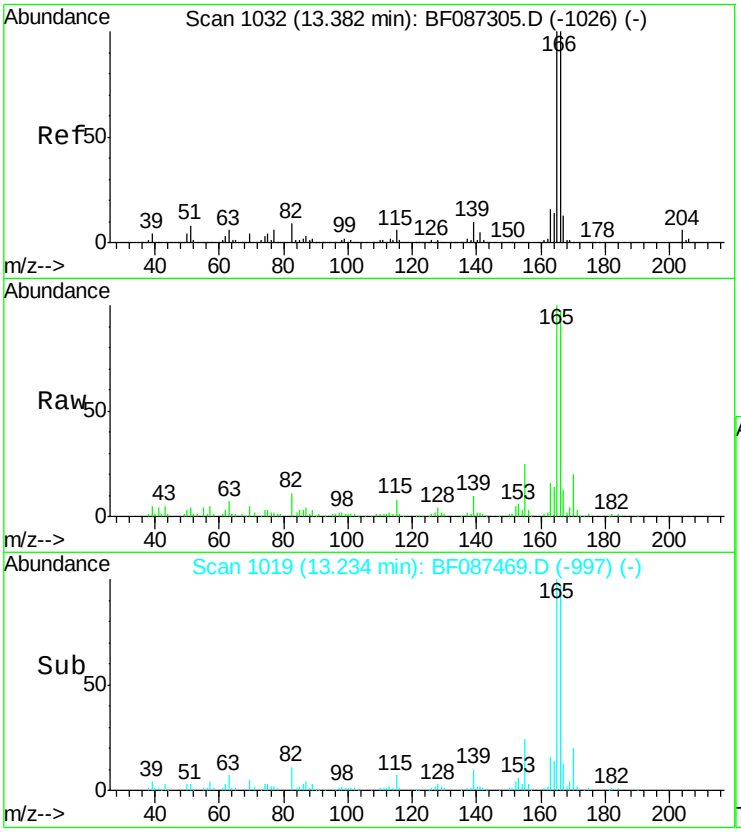


#54
Dibenzofuran
Concen: 5.14 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:168 Resp: 80650

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.4	47.0
169	13.9	10.7	16.1

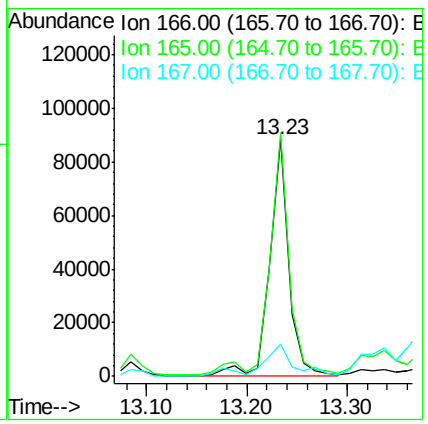




#57
Fluorene
Concen: 8.61 ng
RT: 13.23 min Scan# 1019
Delta R.T. -0.05 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:166 Resp: 117240

Ion	Ratio	Lower	Upper
166	100		
165	102.8	79.0	118.6
167	13.5	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Manual Integrations APPROVED
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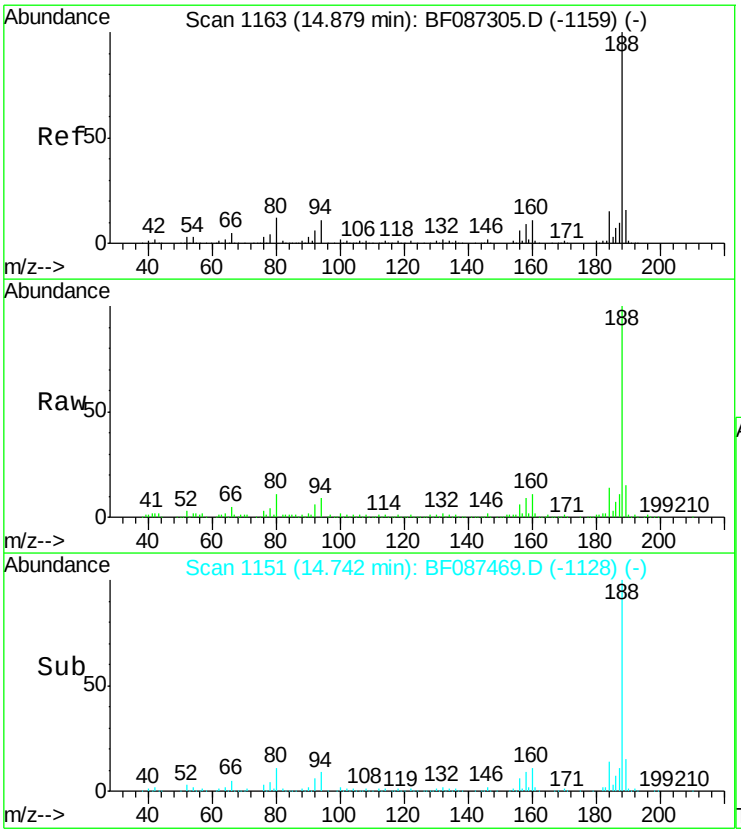
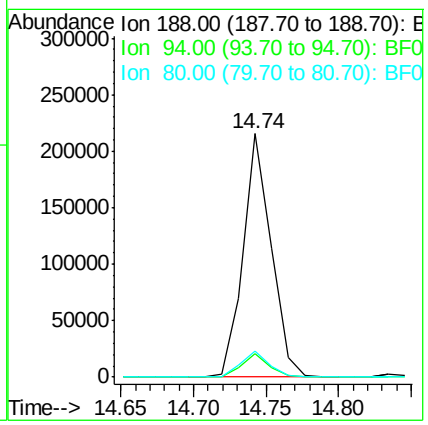
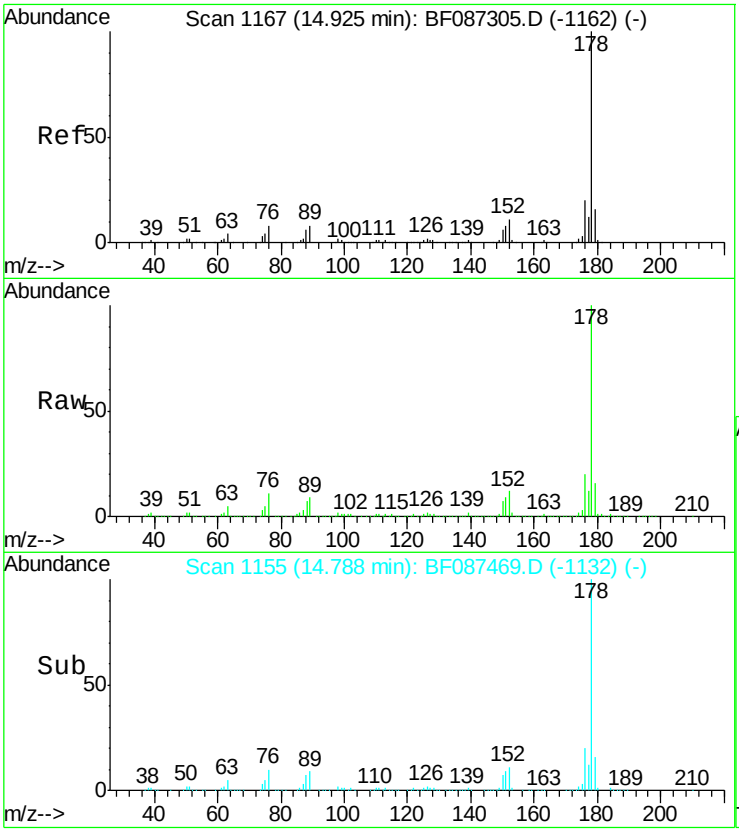


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:188 Resp: 289028

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.8	10.2
80	10.8	7.1	10.7#

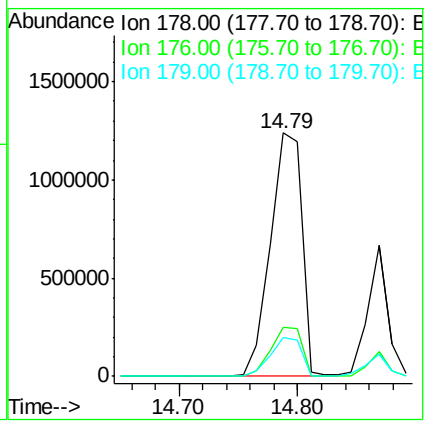




#70
Phenanthrene
Concen: 141.66 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:178 Resp: 2267900

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.0	24.0
179	16.1	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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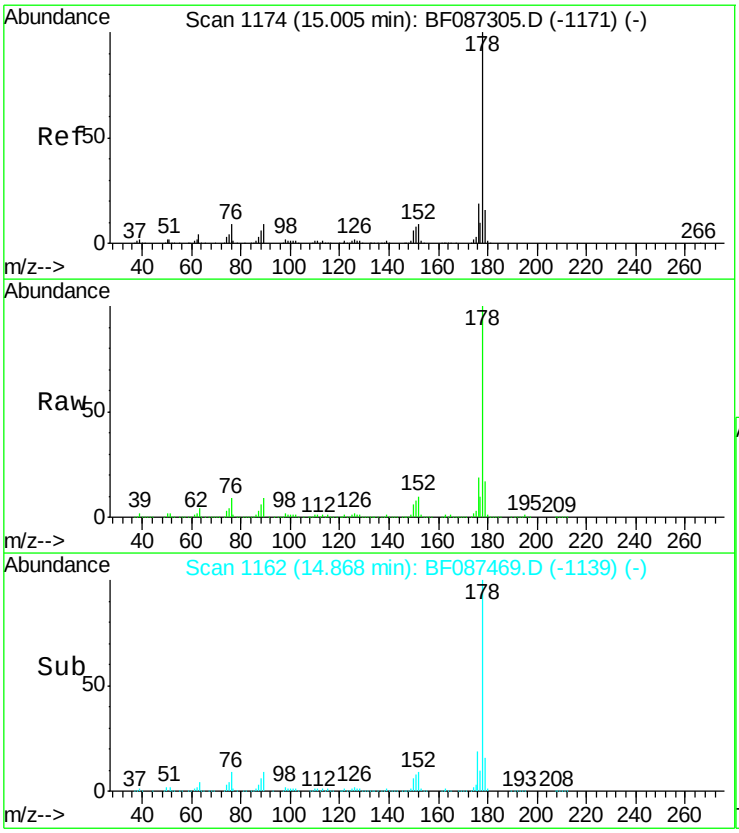
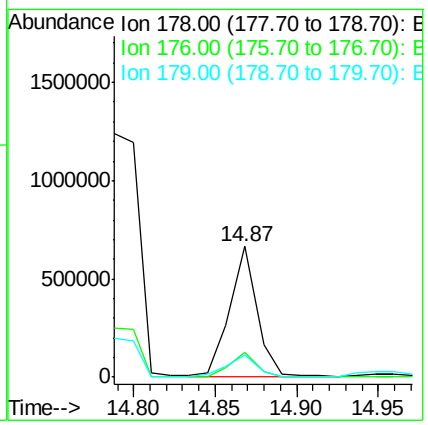
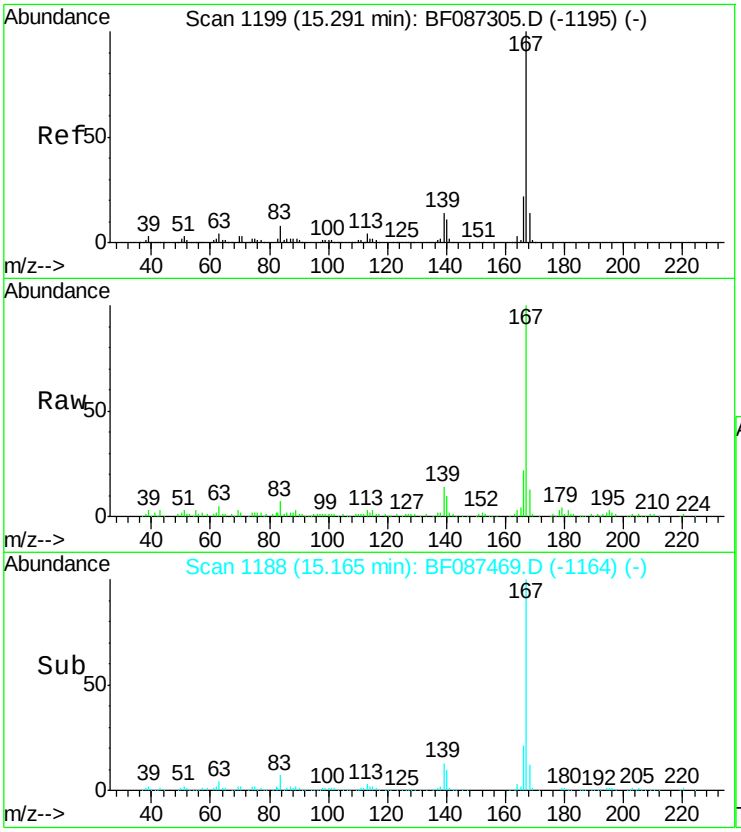


#71
Anthracene
Concen: 47.20 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.03 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:178 Resp: 763440

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	16.5	12.7	19.1

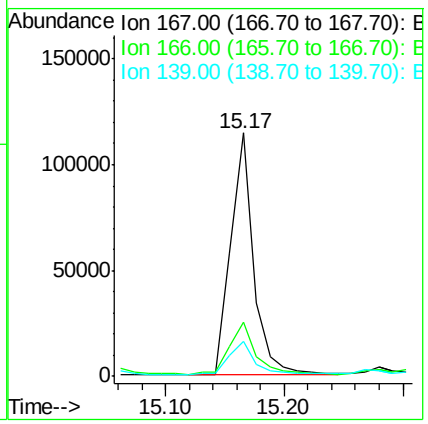




#72
Carbazole
Concen: 11.12 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:167 Resp: 153332

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	14.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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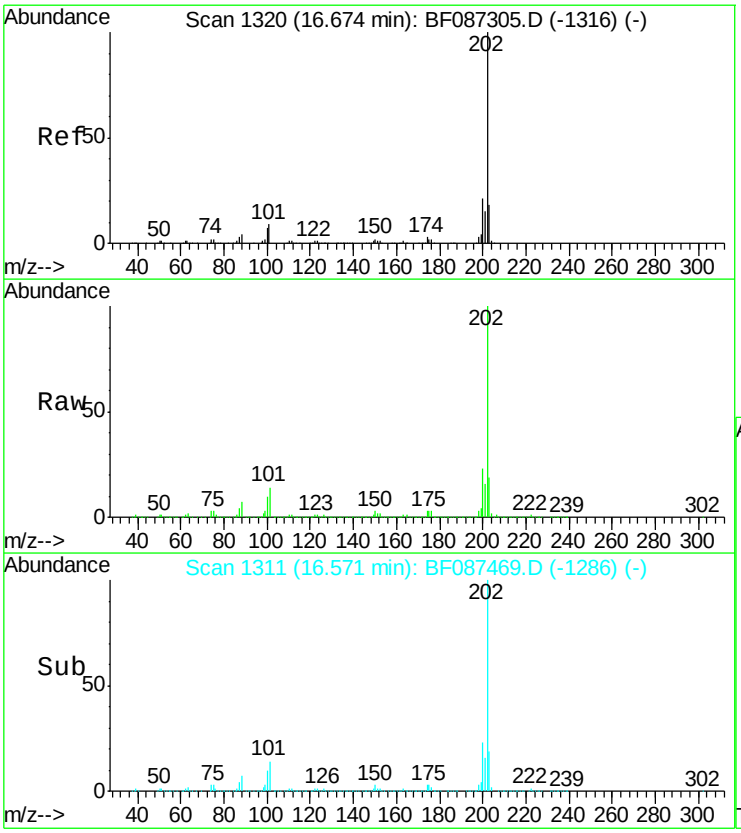
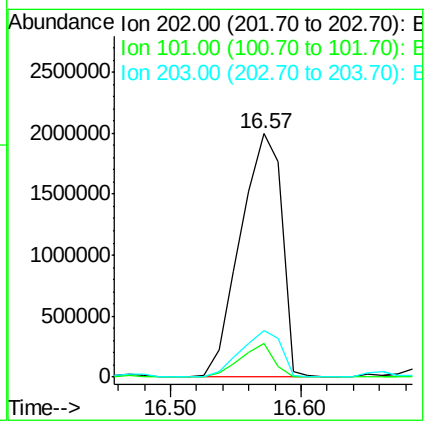
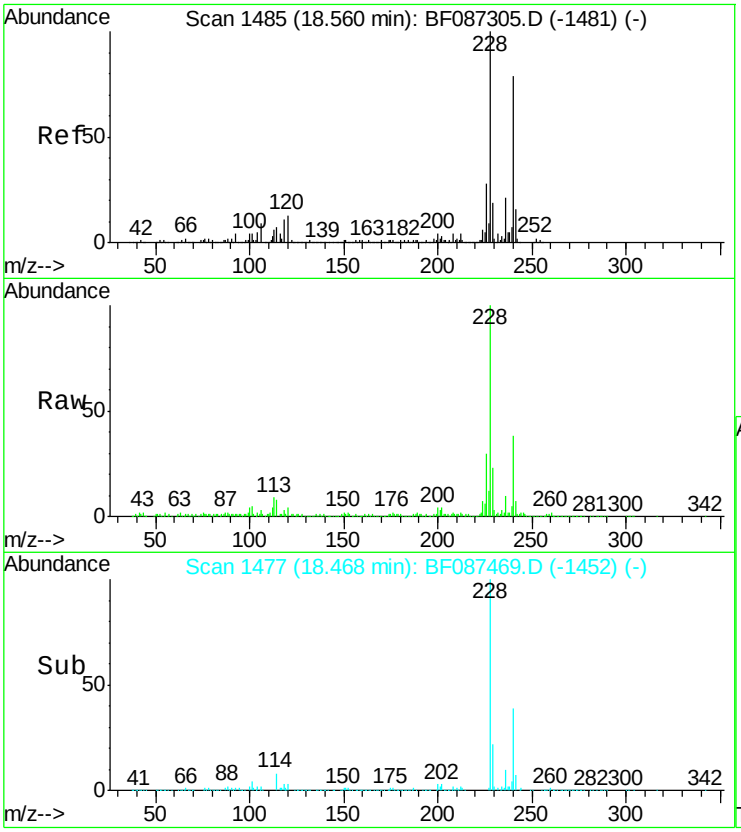


#74
Fluoranthene
Concen: 275.00 ng
RT: 16.57 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:202 Resp: 4414929

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	35.4
203	18.9	0.0	38.1

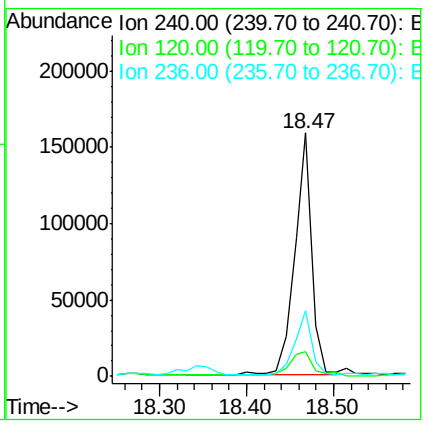




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.47 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:240 Resp: 219817

Ion	Ratio	Lower	Upper
240	100		
120	10.0	11.2	16.8#
236	26.9	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
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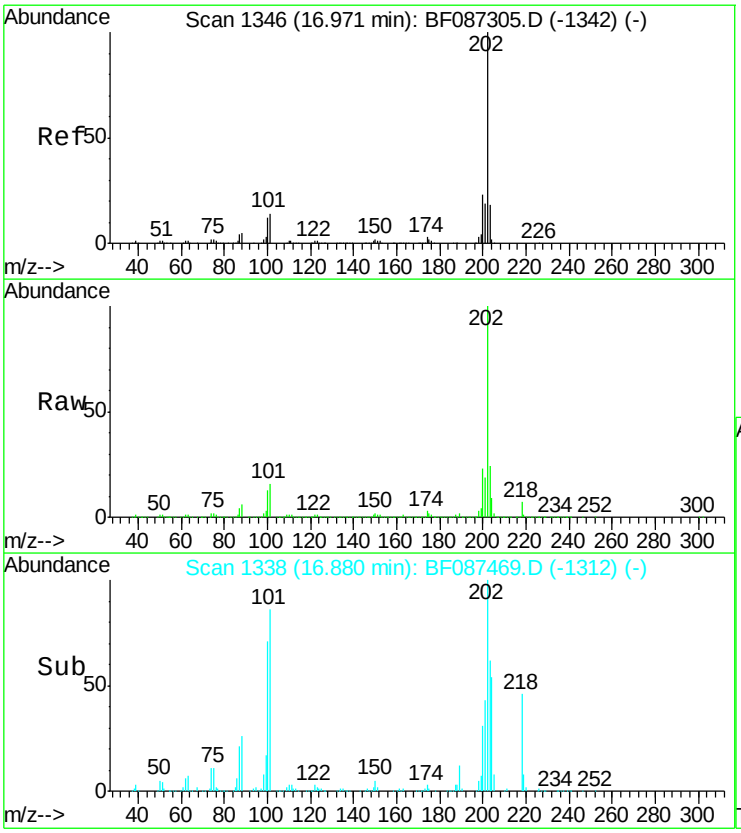
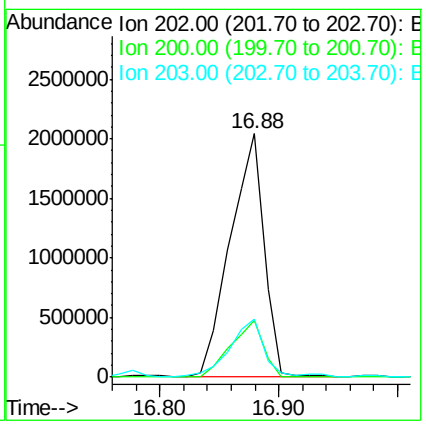
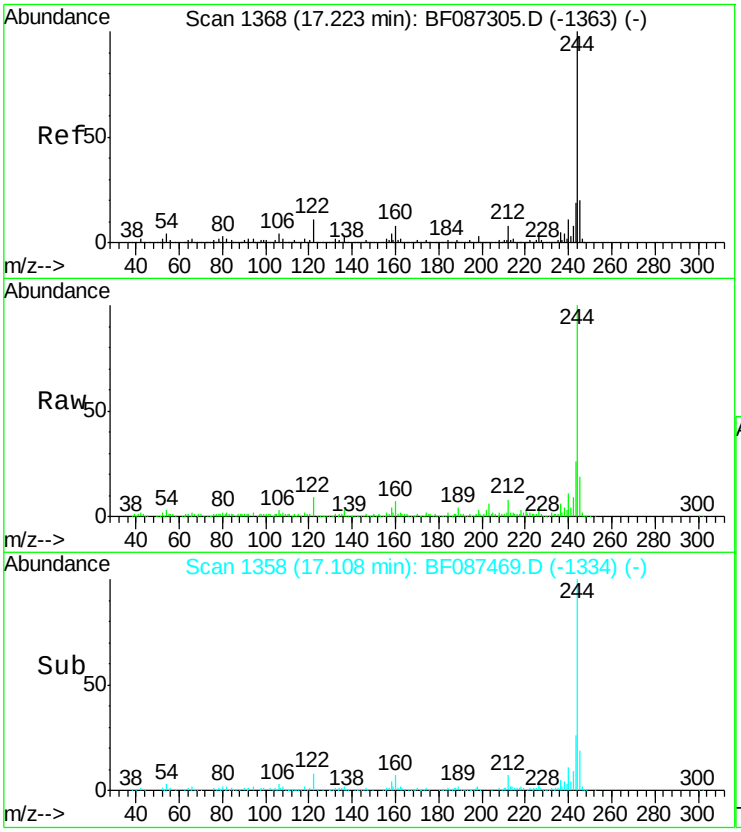


#77
Pyrene
Concen: 254.58 ng
RT: 16.88 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:202 Resp: 4028152

Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.7	26.5
203	23.9	14.2	21.4#





#78
Terphenyl-d14
Concen: 64.57 ng
RT: 17.11 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:244 Resp: 667658

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	8.7	12.0	18.0#

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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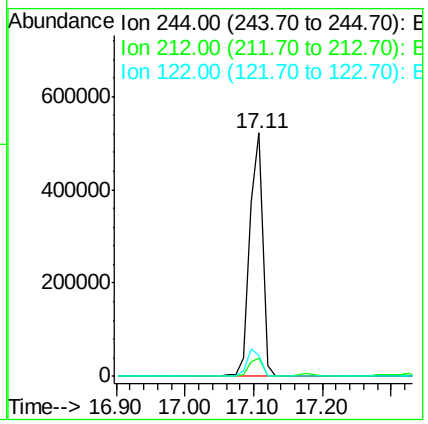
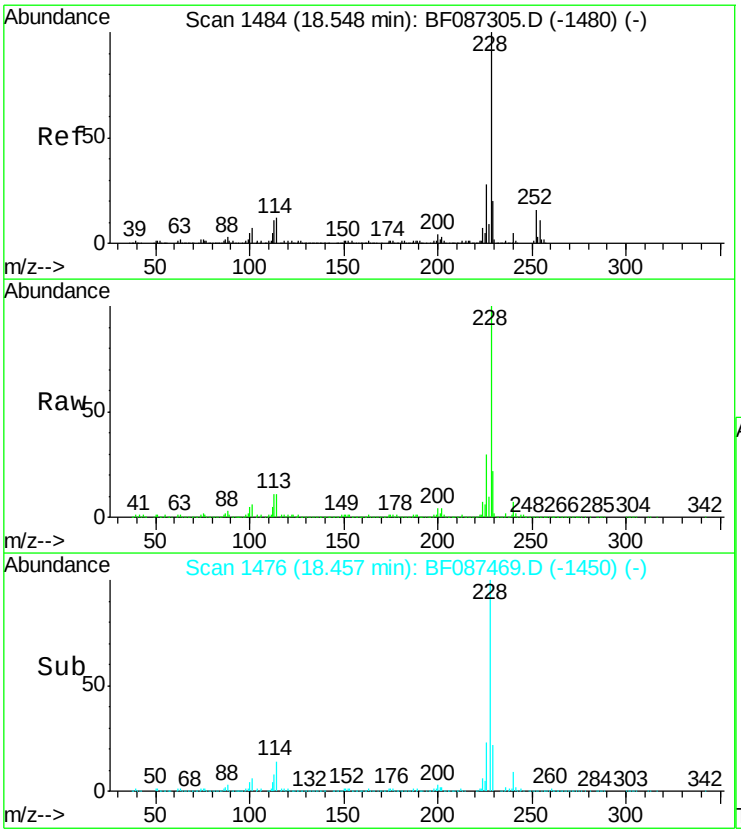
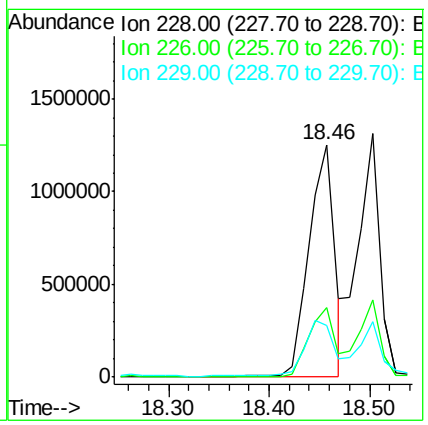


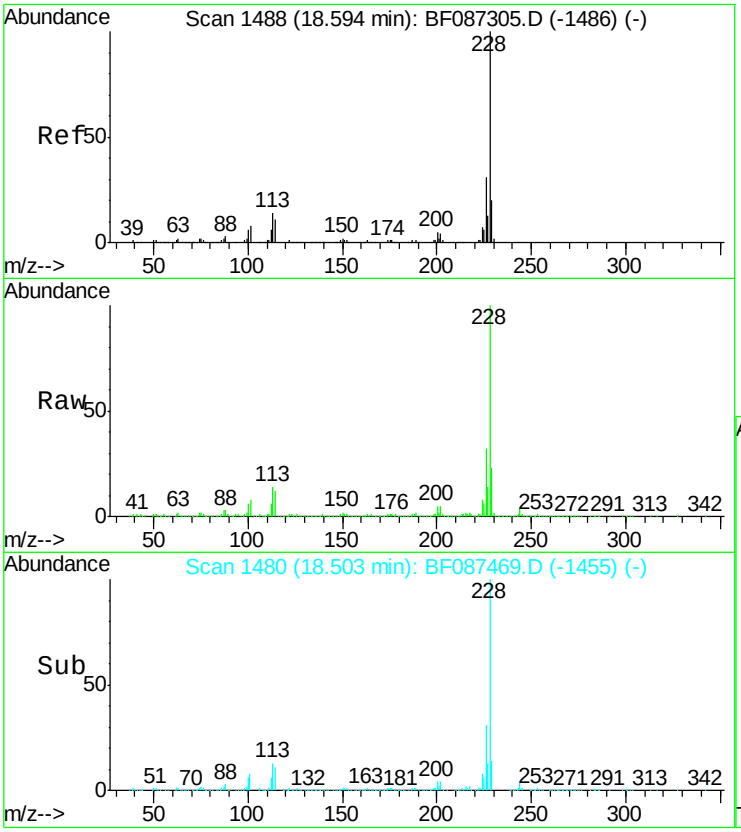


#80
Benzo(a)anthracene
Concen: 175.68 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:228 Resp: 2196581

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.5	33.7
229	22.4	16.6	25.0

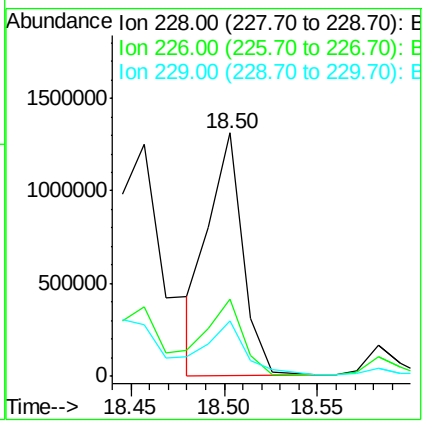




#82
Chrysene
Concen: 135.31 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:228 Resp: 1679147

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.4	36.6
229	22.6	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
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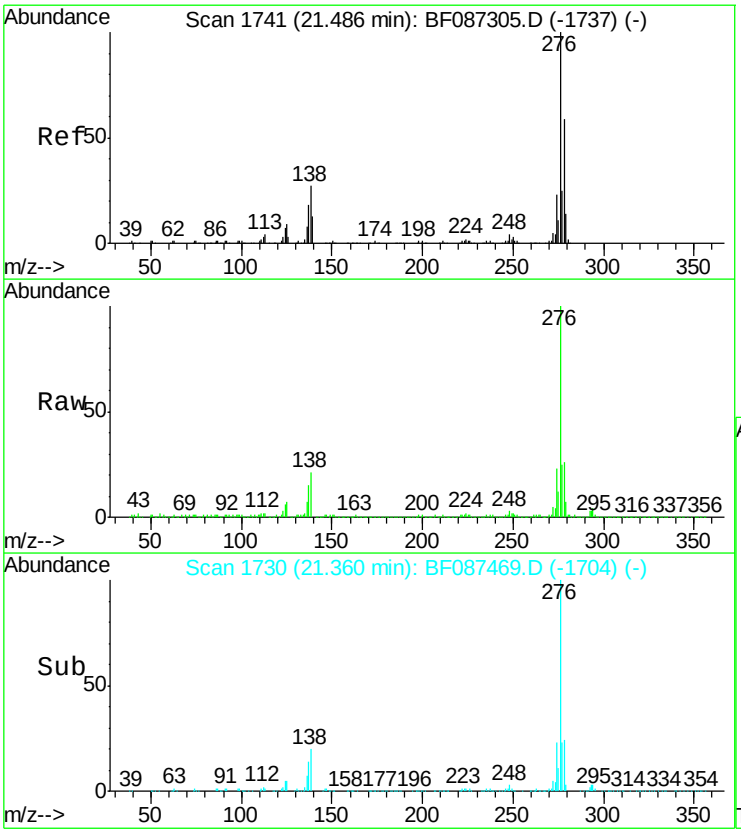
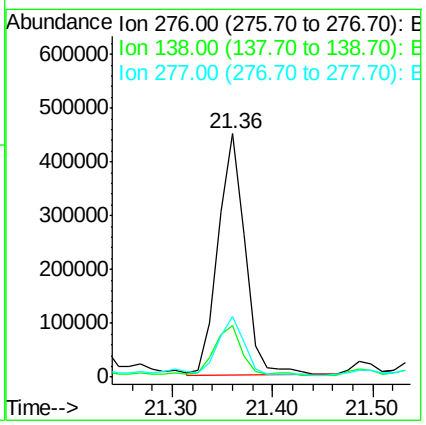
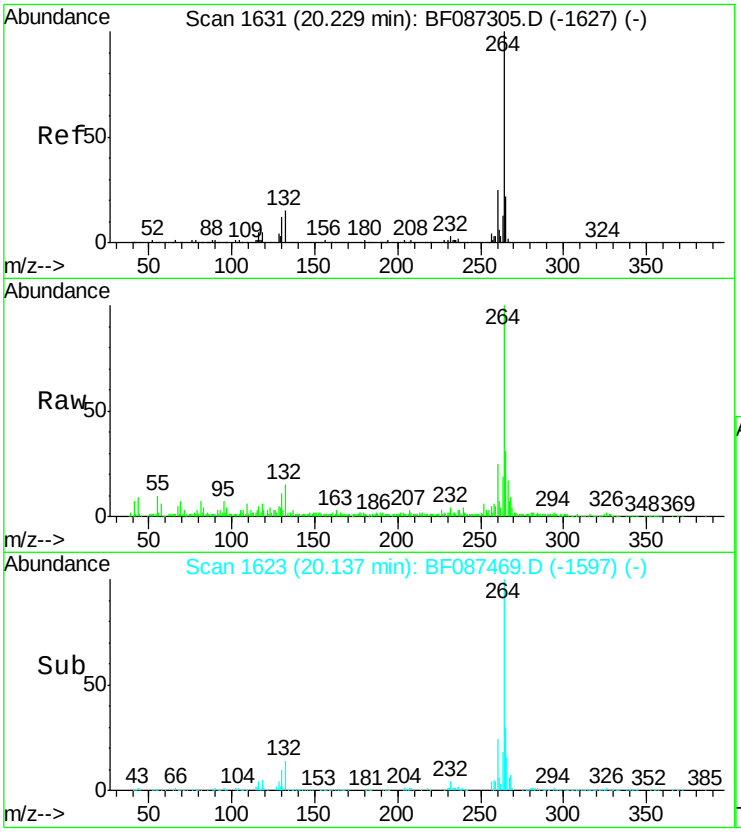


#85
Indeno(1,2,3-cd)pyrene
Concen: 83.57 ng
RT: 21.36 min Scan# 1730
Delta R.T. 0.00 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:276 Resp: 831357

Ion	Ratio	Lower	Upper
276	100		
138	21.9	25.6	38.4#
277	27.0	20.5	30.7

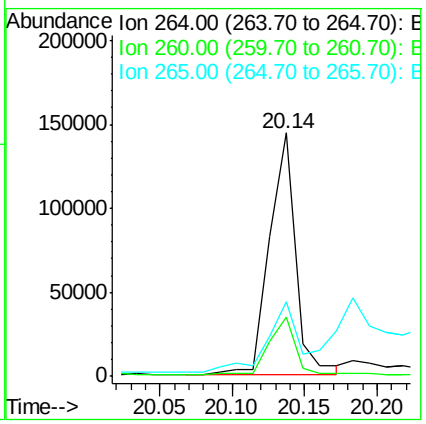




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:264 Resp: 179354

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	30.6	17.3	25.9#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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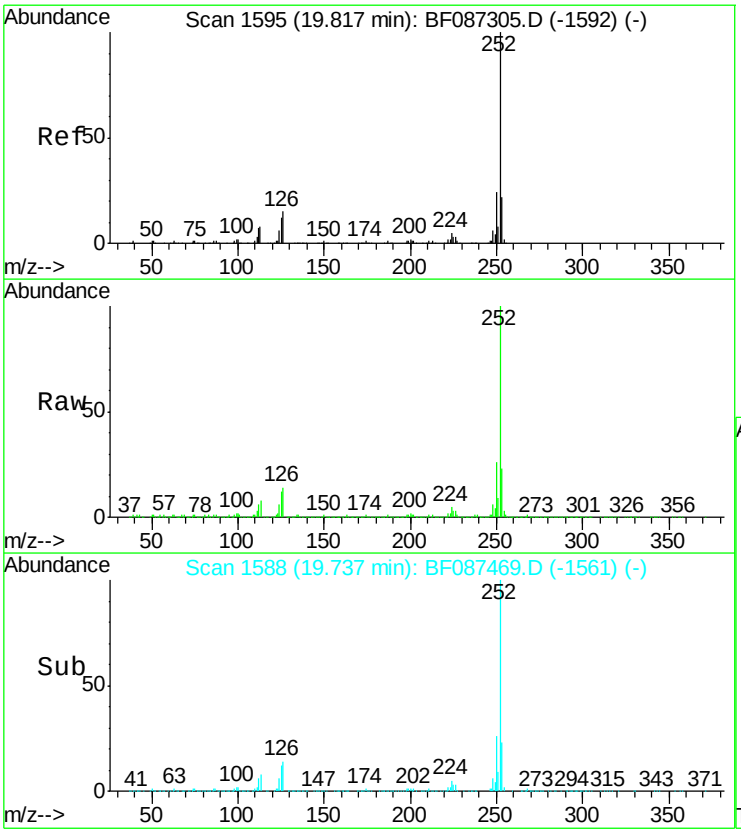
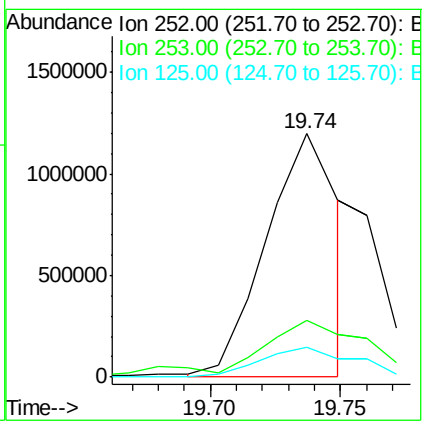
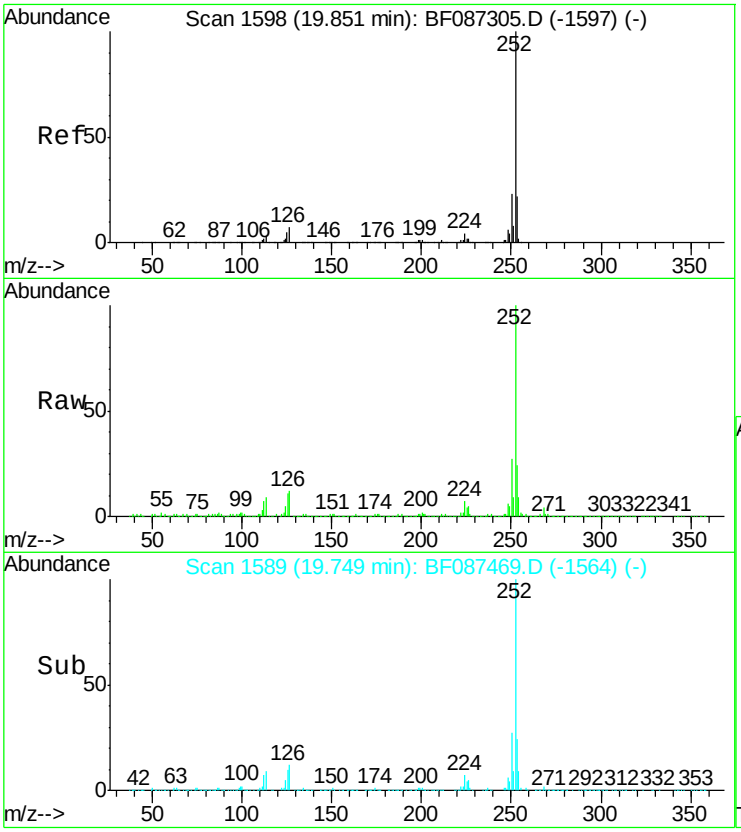


#87
Benzo(b)fluoranthene
Concen: 201.89 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:252 Resp: 2306548

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.0	11.4	17.0

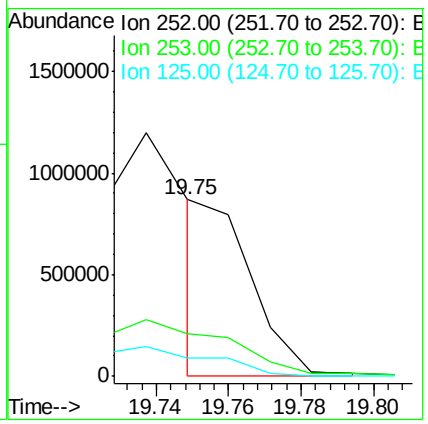




#88
Benzo(k)fluoranthene
Concen: 75.11 ng m
RT: 19.75 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:252 Resp: 738573

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	10.6	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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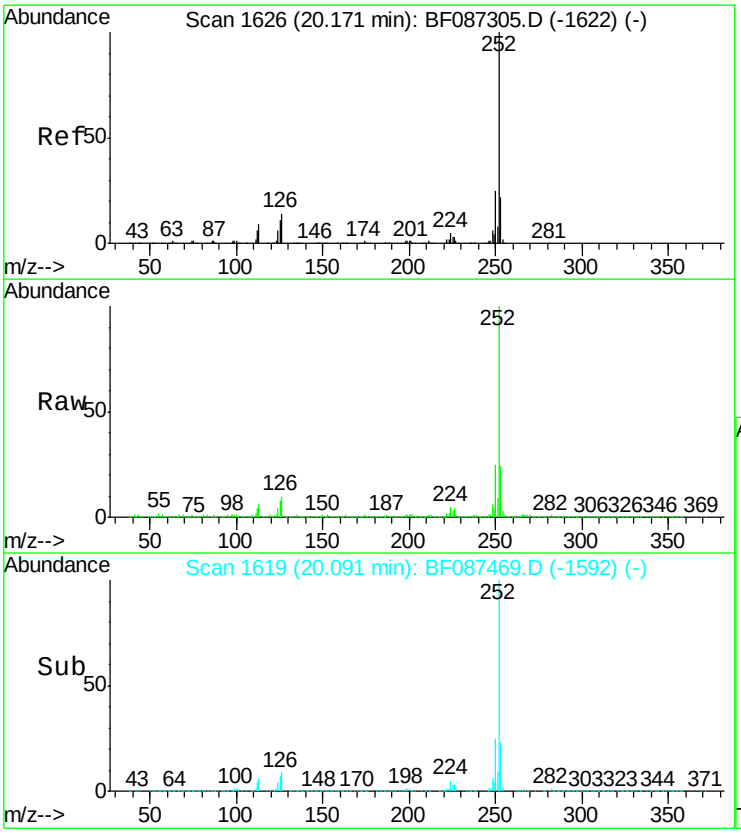
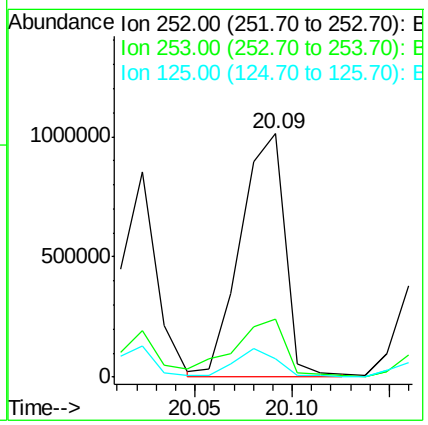
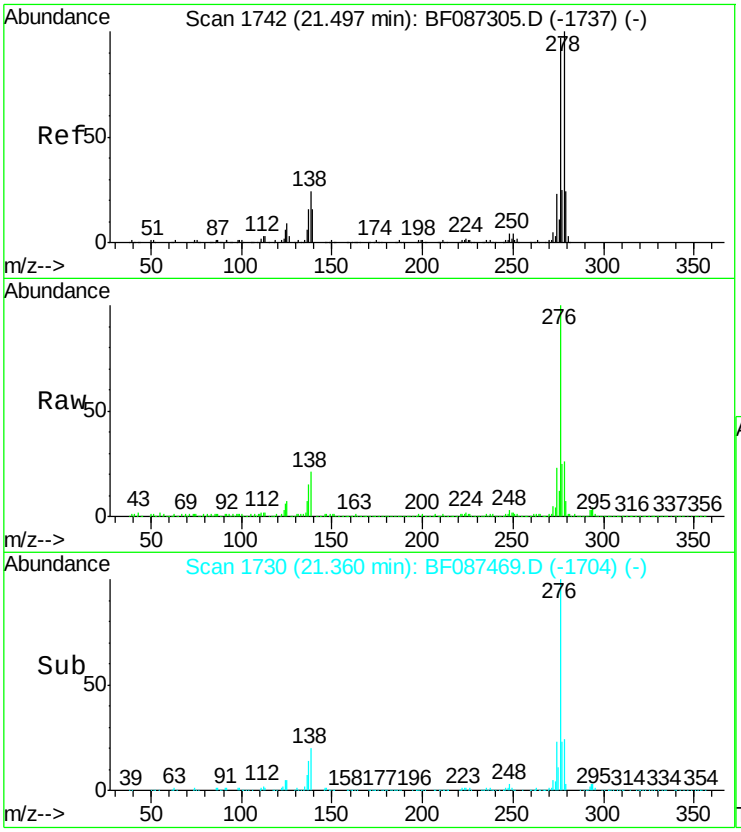


#89
Benzo(a)pyrene
Concen: 164.67 ng m
RT: 20.09 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:252 Resp: 1627105

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	7.6	9.0	13.6#





#90
Dibenzo(a,h)anthracene
Concen: 21.56 ng m
RT: 21.36 min Scan# 1730
Delta R.T. 0.00 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:278 Resp: 181696

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.4	19.6	29.4

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

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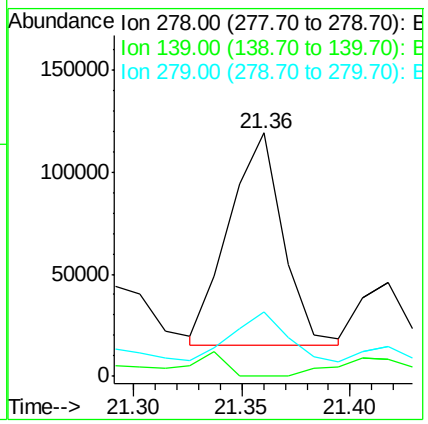

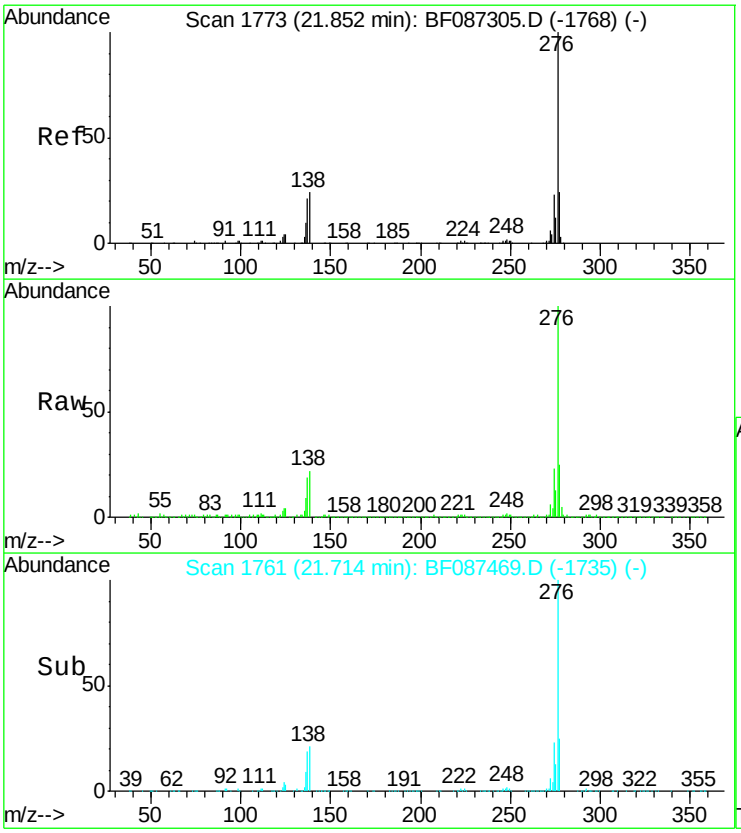

#91
Benzo(g,h,i)perylene
Concen: 93.24 ng m
RT: 21.71 min Scan# 1761
Delta R.T. 0.00 min
Lab File: BF087469.D
Acq: 28 May 2016 6:03

Tgt Ion:276 Resp: 775317

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.6	29.4
138	22.0	23.6	35.4#