

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
 Data File : BF117754.D
 Acq On : 12 Nov 2019 12:06
 Operator : JU
 Sample : K5749-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-BERGEN-1DL

Manual Integrations
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mohammad
 11/13/2019 6:48:13 PM

Quant Time: Nov 12 14:45:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 13:32:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	280327	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	1084630	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	562573	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	993830	20.00	ng	0.00
76) Chrysene-d12	14.12	240	639445	20.00	ng	0.00
87) Perylene-d12	15.63	264	783575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	322376	20.82	ng	-0.01
7) Phenol-d6	6.53	99	410206	21.48	ng	-0.01
23) Nitrobenzene-d5	7.48	82	230923	12.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	106422	19.34	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	477249	16.74	ng	0.00
79) Terphenyl-d14	13.05	244	460985	14.84	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.23	128	145066	2.926	ng	97
37) 2-Methylnaphthalene	8.93	142	71431	2.116	ng	95
52) Acenaphthene	10.00	154	174943	5.694	ng	98
55) Dibenzofuran	10.17	168	212168	4.935	ng	97
58) Fluorene	10.52	166	190595	6.015	ng	97
71) Phenanthrene	11.49	178	2021396	42.434	ng	99
72) Anthracene	11.54	178	611887	12.911	ng	98
73) Carbazole	11.69	167	165437	3.819	ng	97
75) Fluoranthene	12.69	202	1843091	37.892	ng	98
78) Pyrene	12.92	202	1562589	33.475	ng	98
81) Benzo(a)anthracene	14.10	228	774775	19.465	ng	99
83) Chrysene	14.14	228	633259	16.111	ng	97
86) Indeno(1,2,3-cd)pyrene	17.15	276	316675	8.656	ng	95
88) Benzo(b)fluoranthene	15.18	252	750537m	15.208	ng	
89) Benzo(k)fluoranthene	15.20	252	217920m	4.951	ng	
90) Benzo(a)pyrene	15.56	252	547099	12.788	ng	99
91) Dibenzo(a,h)anthracene	17.17	278	87062	2.269	ng	97
92) Benzo(g,h,i)perylene	17.62	276	268782	7.228	ng	98

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

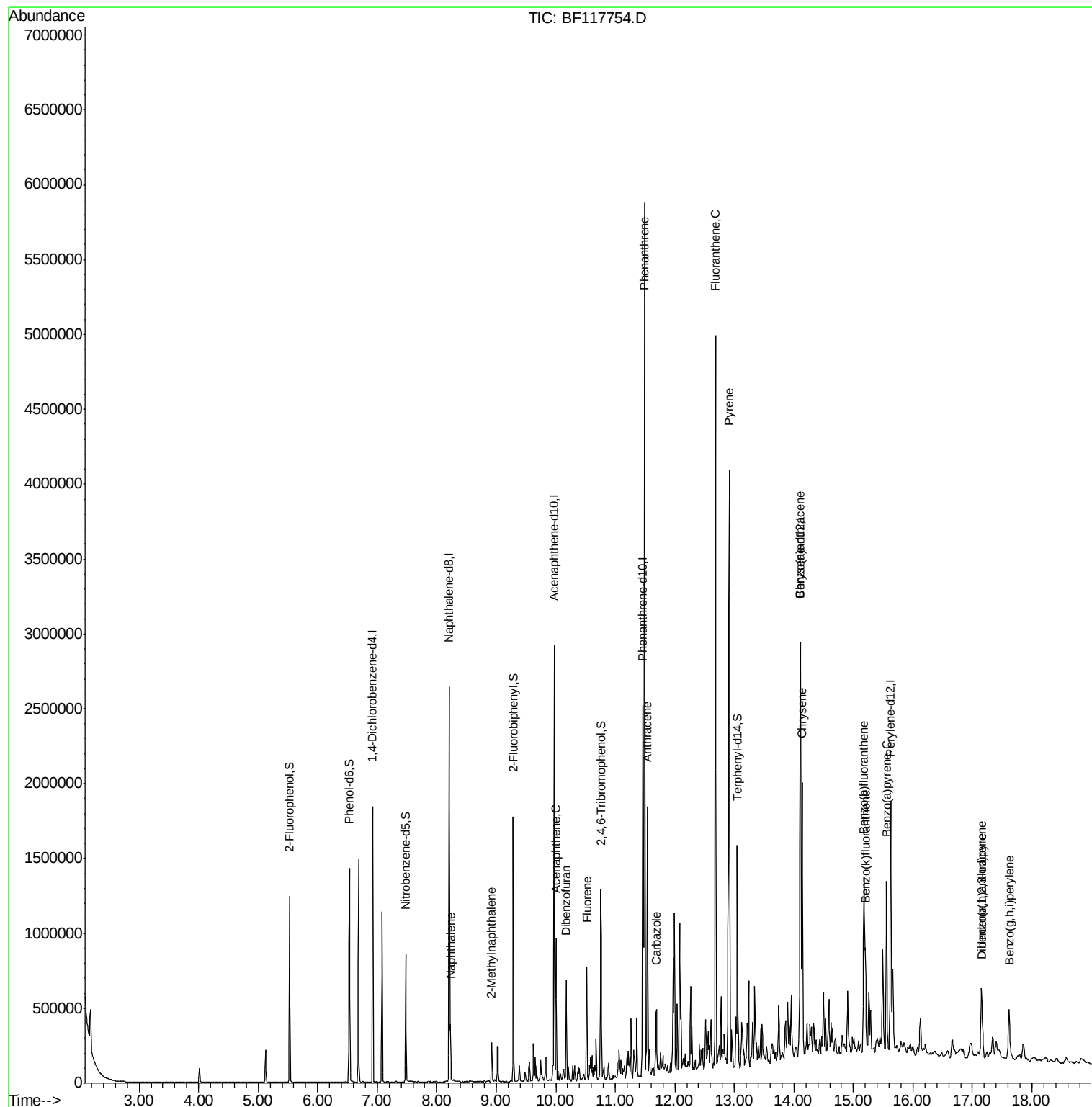
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
Data File : BF117754.D
Acq On : 12 Nov 2019 12:06
Operator : JU
Sample : K5749-01DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

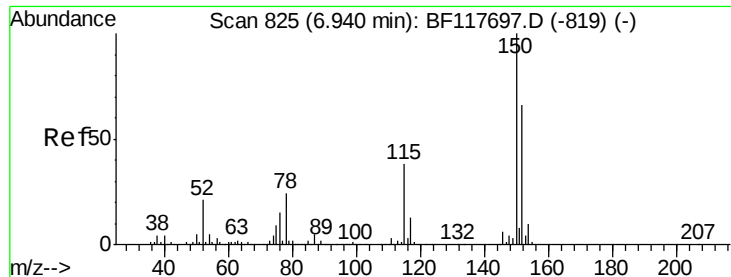
Instrument :
BNA_F
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NORTH-BERGEN-1DL

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QLast Update : Tue Nov 12 13:32:26 2019
Response via : Initial Calibration





#1

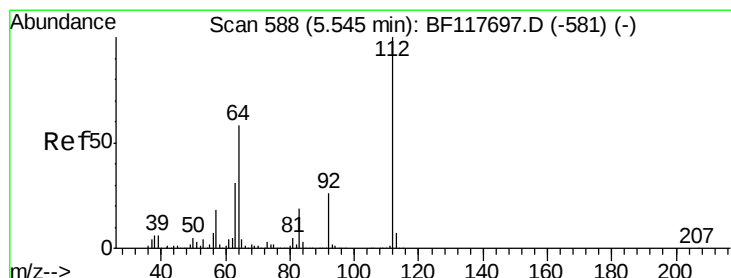
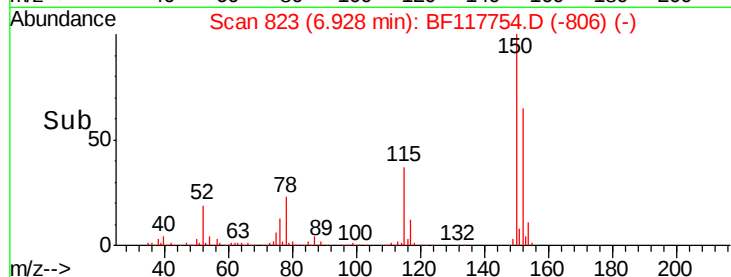
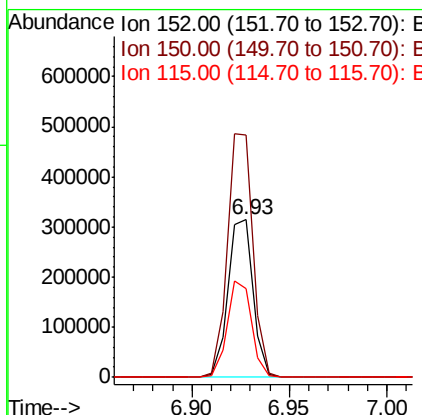
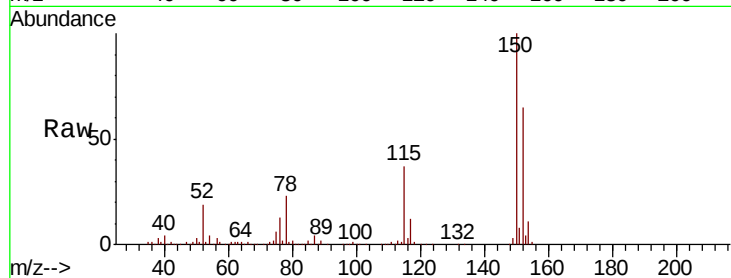
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.6	190.0
115	56.7	47.6	71.4

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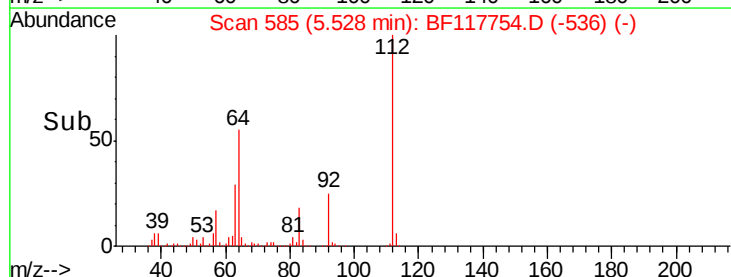
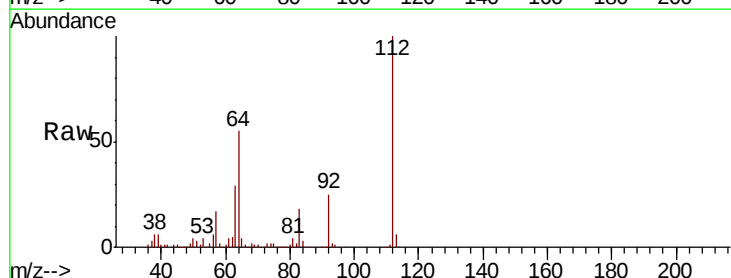
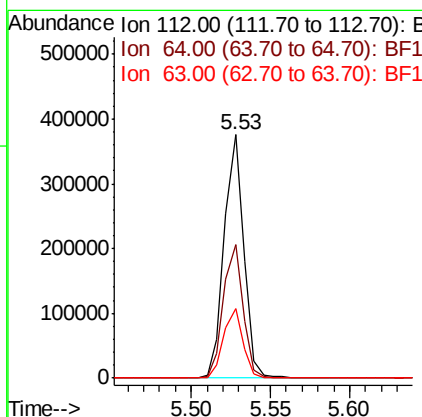
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#5

2-Fluorophenol
Concen: 20.817 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.5	65.3
63	28.8	23.5	35.3





#7

Phenol-d6

Concen: 21.482 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117754.D

Acq: 12 Nov 2019 12:06

Instrument :

BNA_F

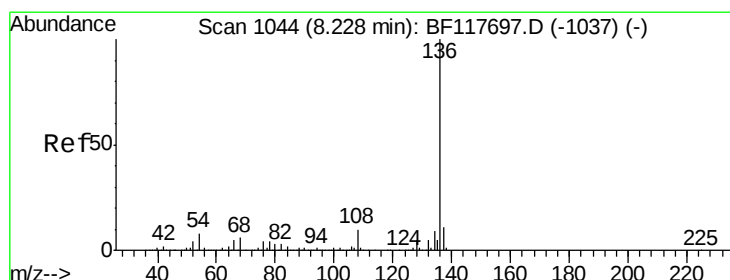
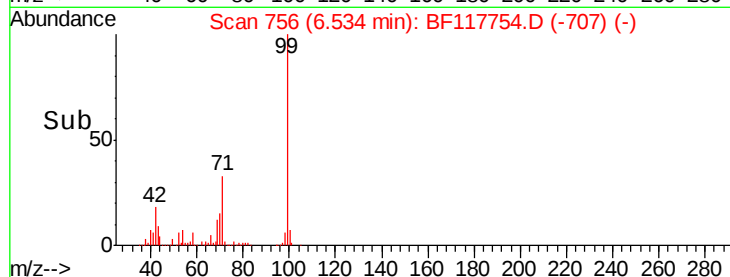
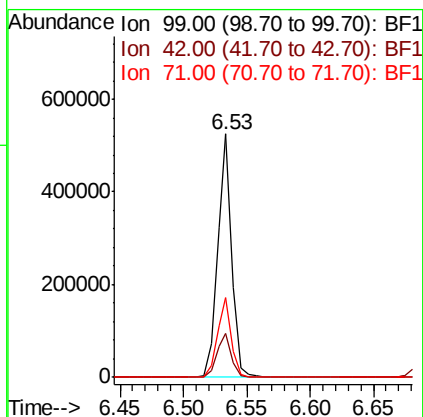
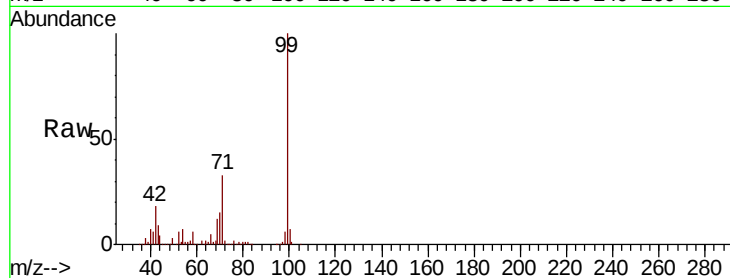
ClientSampleId :

NORTH-BERGEN-1DL

Tot Ion:	99	Resp:	410206
Ion Ratio	Lower	Upper	
99	100		
42	18.2	15.3	22.9
71	32.9	28.2	42.2

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#21

Naphthalene-d8

Concen: 20.000 ng

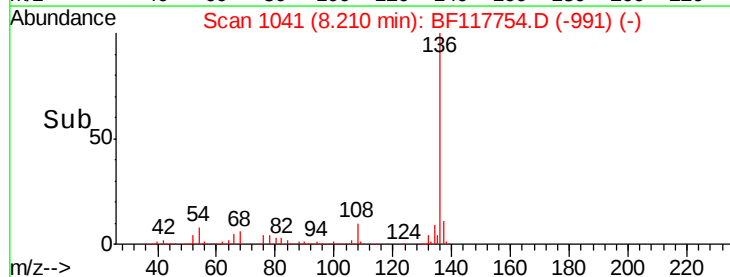
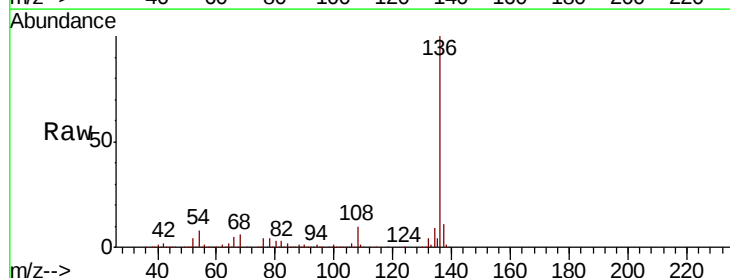
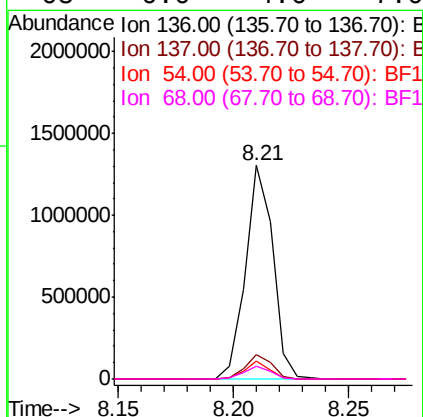
RT: 8.21 min Scan# 1041

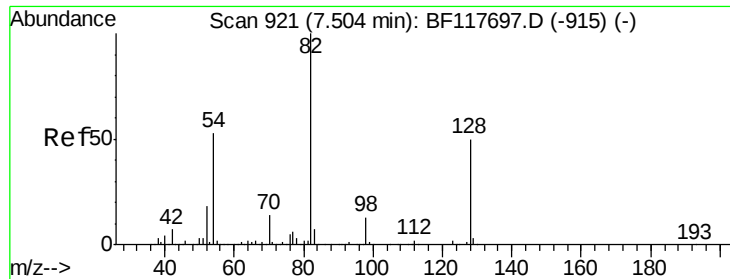
Delta R.T. -0.01 min

Lab File: BF117754.D

Acq: 12 Nov 2019 12:06

Tgt Ion:	136	Resp:	1084630
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	8.2	6.1	9.1
68	6.0	4.6	7.0





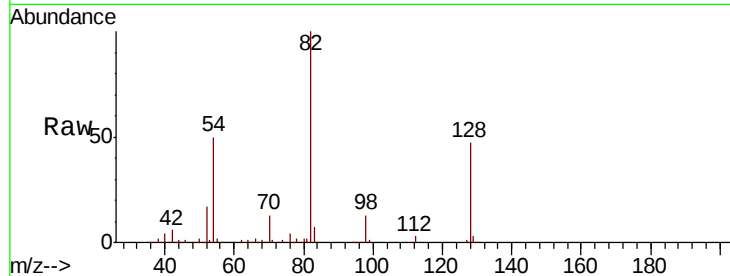
#23
Nitrobenzene-d5
Concen: 12.570 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.7	58.1
54	49.5	41.4	62.2

Manual Integrations
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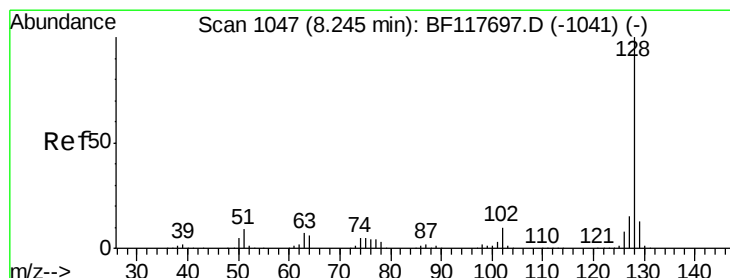
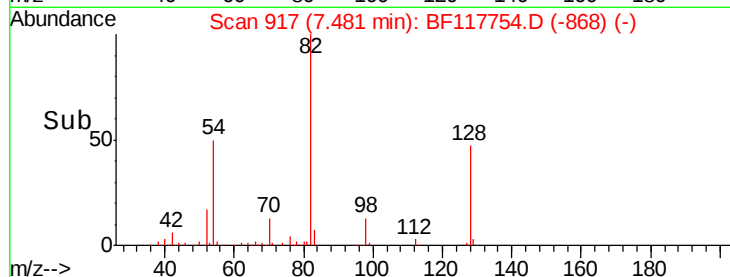
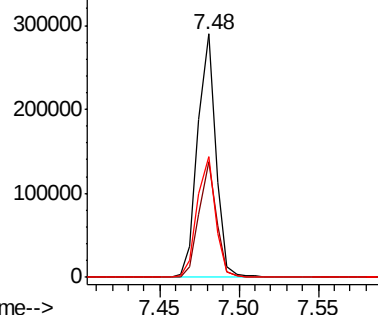


Abundance

Ion 82.00 (81.70 to 82.70): BF1

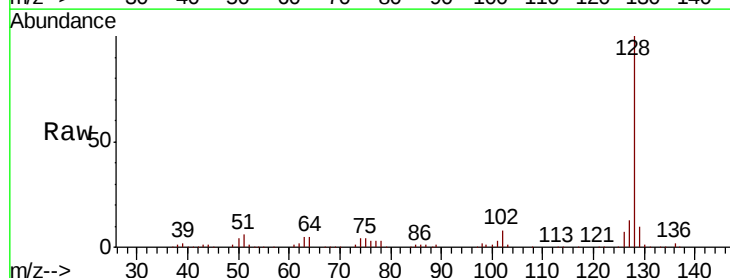
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 2.926 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.6	14.4
127	13.0	11.4	17.2

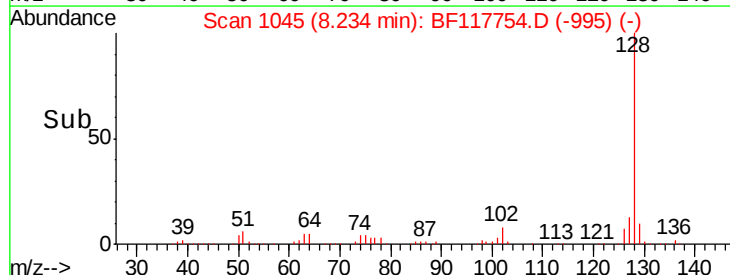
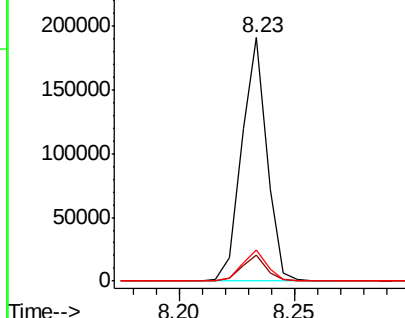


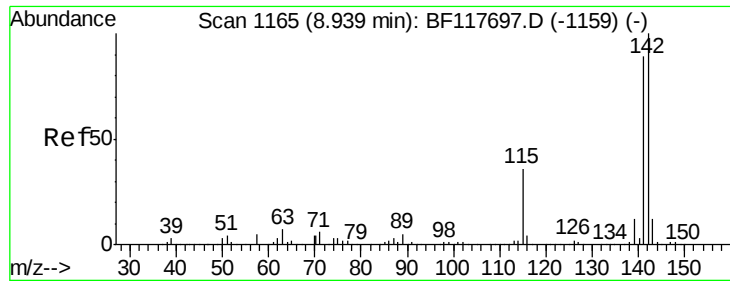
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





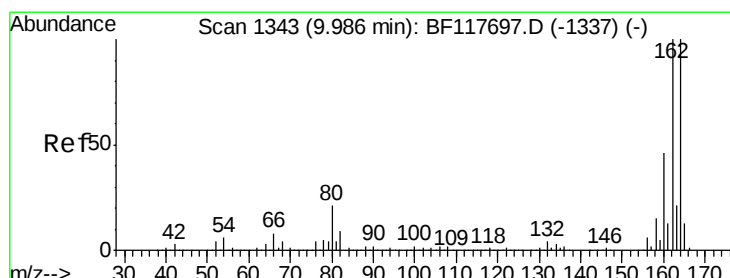
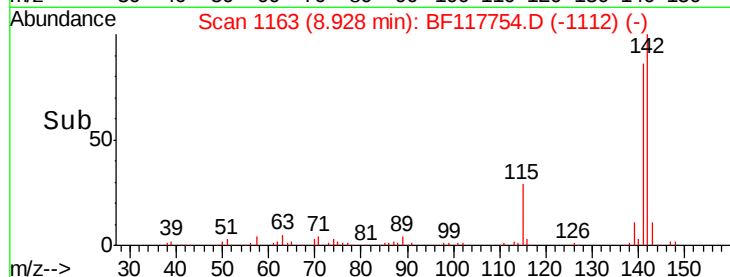
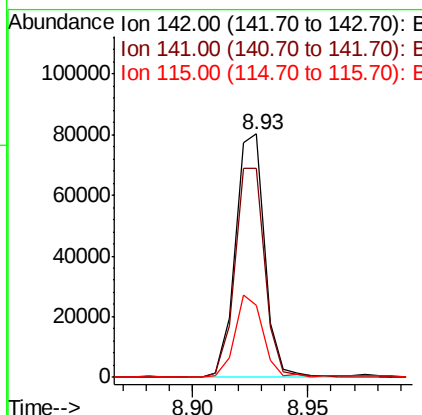
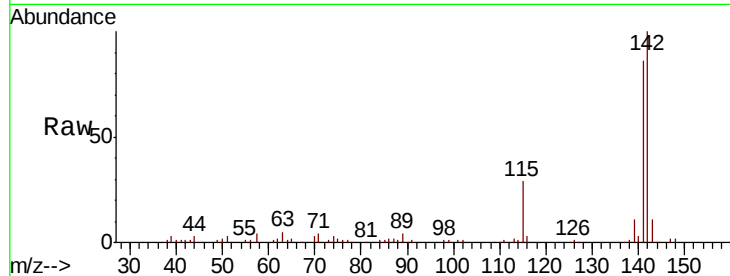
#37
2-Methylnaphthalene
Concen: 2.116 ng
RT: 8.93 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.6	70.2	105.4
115	29.5	28.8	43.2

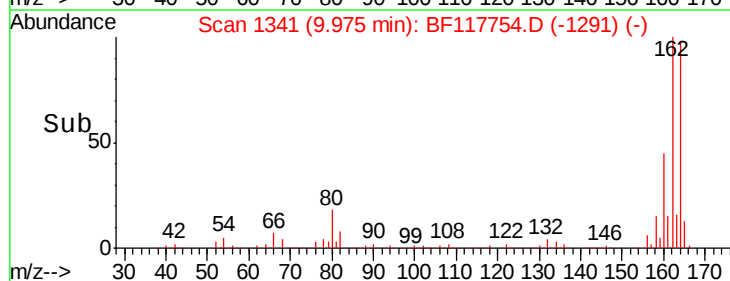
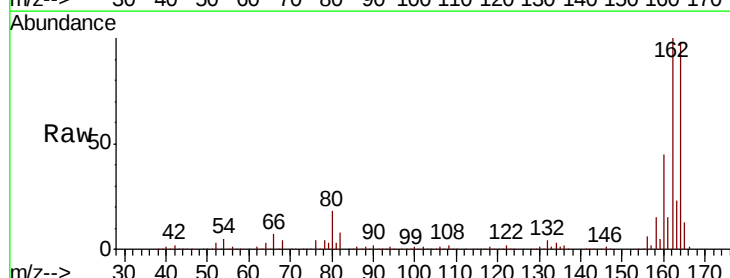
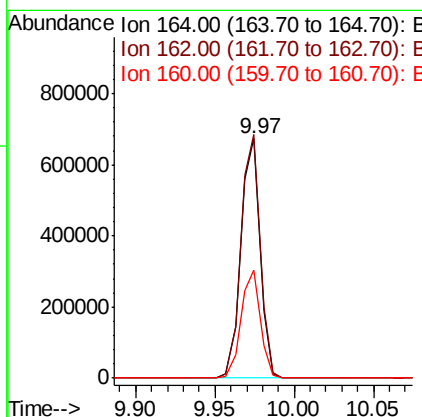
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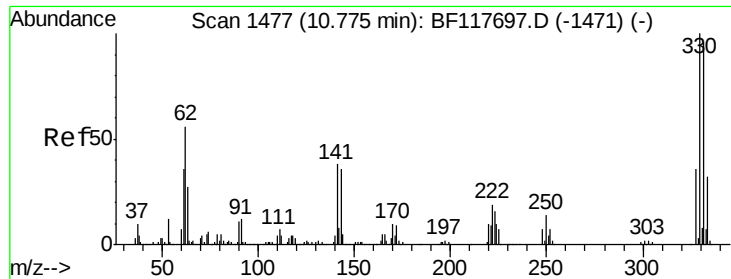
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.2	121.8
160	45.3	36.3	54.5





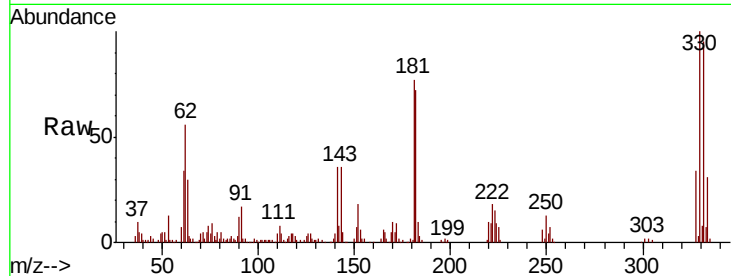
#42
 2,4,6-Tribromophenol
 Concen: 19.338 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	35.6	26.5	39.7

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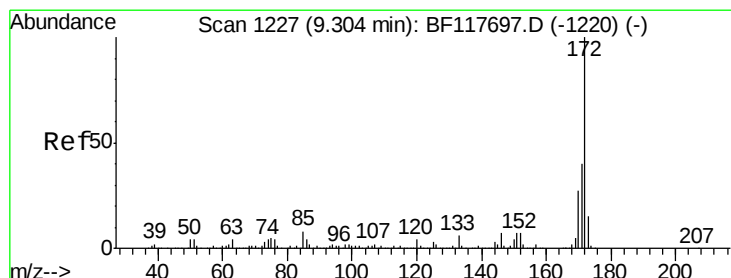
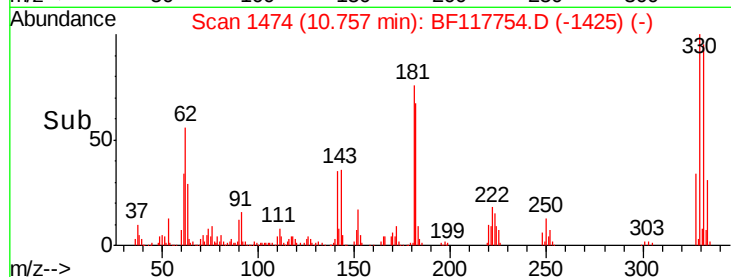
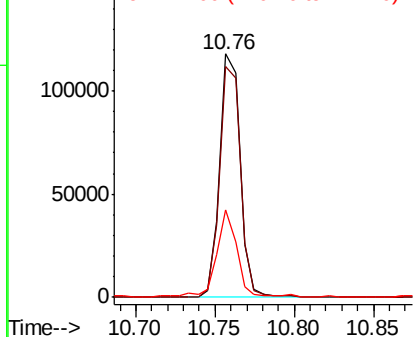


Abundance

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: 16.738 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

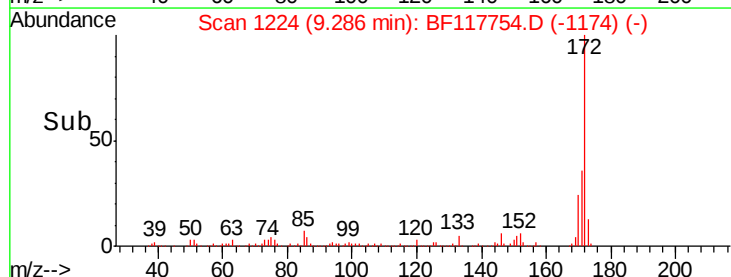
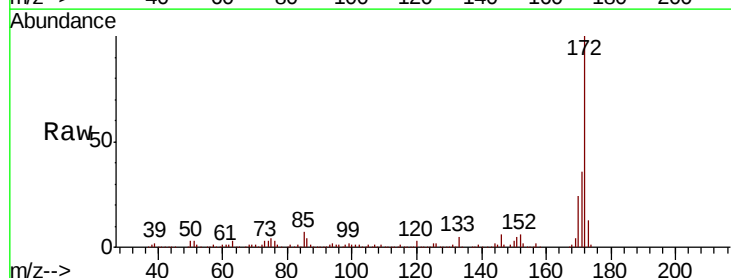
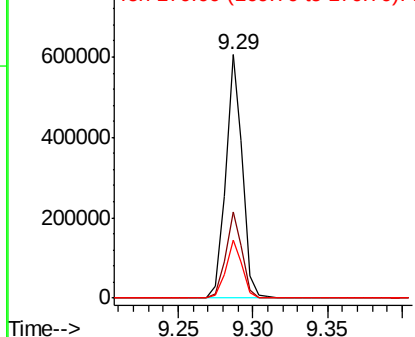
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.7	46.1
170	23.7	20.6	30.8

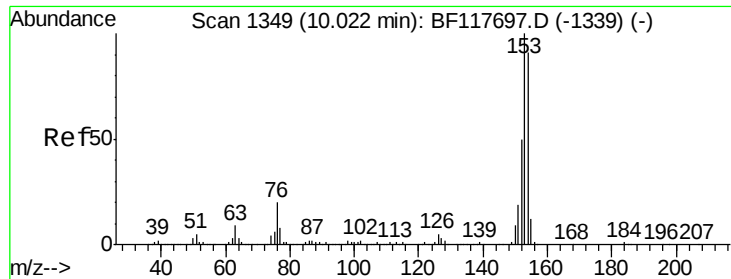
Abundance

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





#52

Acenaphthene

Concen: 5.694 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF117754.D

Acq: 12 Nov 2019 12:06

Instrument :

BNA_F

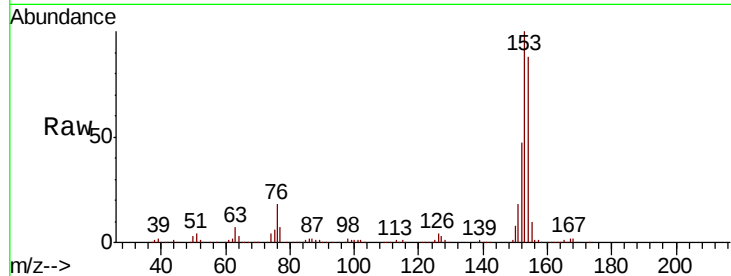
ClientSampleId :

NORTH-BERGEN-1DL

Tot Ion:	154	Resp:	174943
Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.0	133.6
152	53.9	43.8	65.8

Manual Integrations
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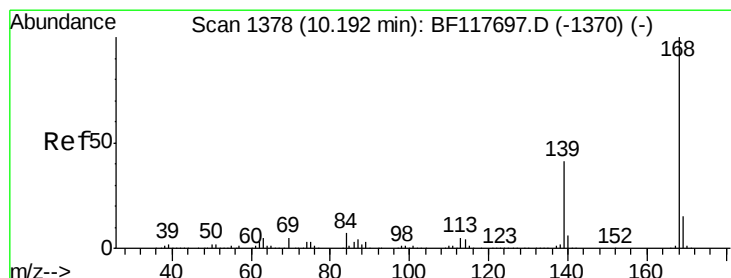
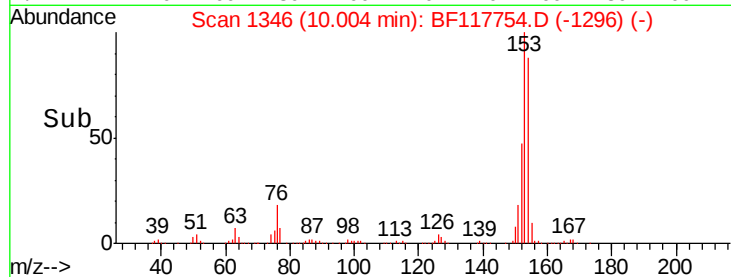
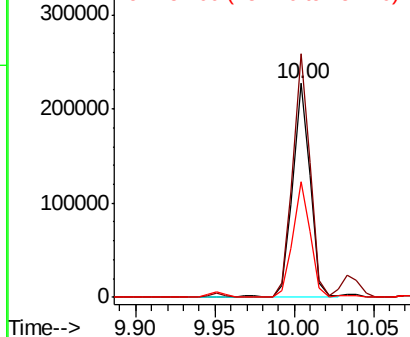


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.935 ng

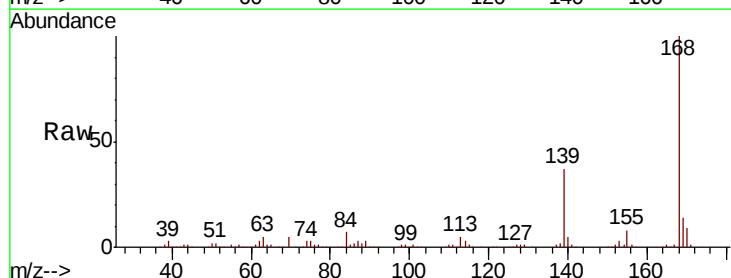
RT: 10.17 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BF117754.D

Acq: 12 Nov 2019 12:06

Tgt Ion:	168	Resp:	212168
Ion	Ratio	Lower	Upper
168	100		
139	37.5	31.4	47.2
169	14.4	11.1	16.7

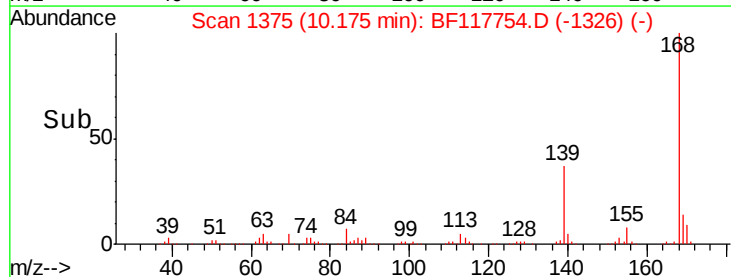
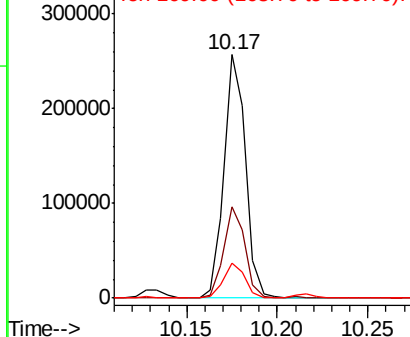


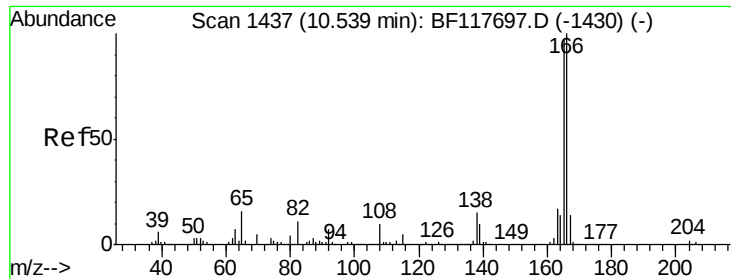
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





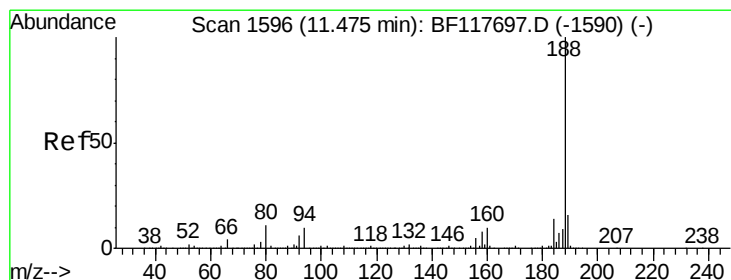
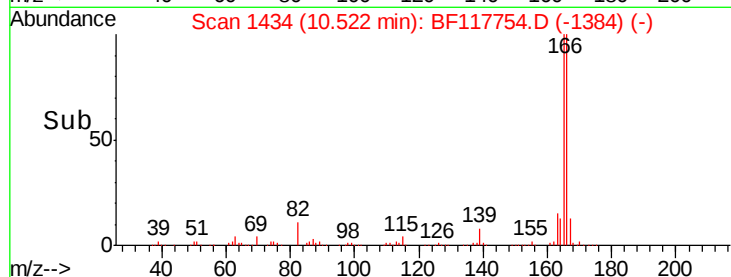
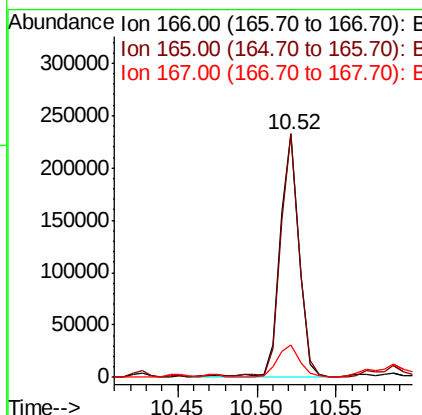
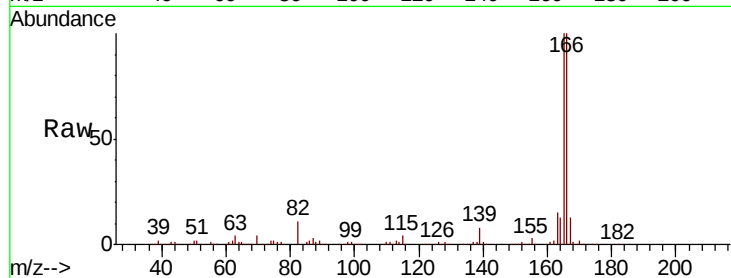
#58
 Fluorene
 Concen: 6.015 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-BERGEN-1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		190595		
165	100.2	77.5	116.3		
167	13.2	11.3	16.9		

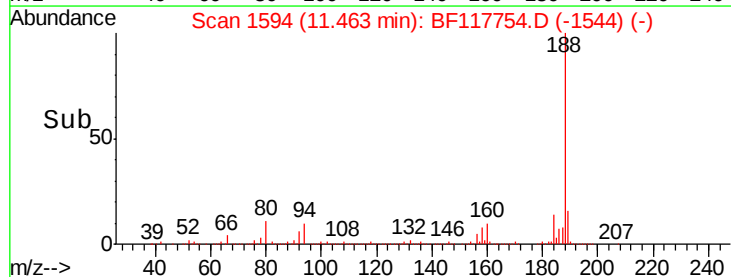
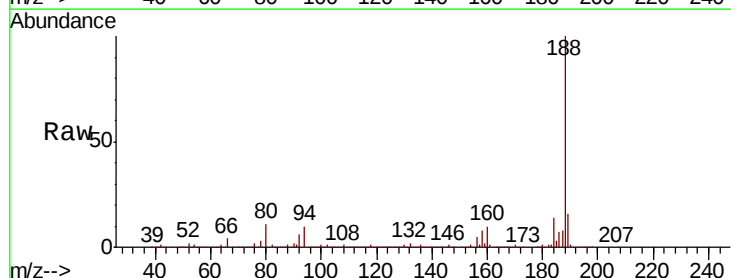
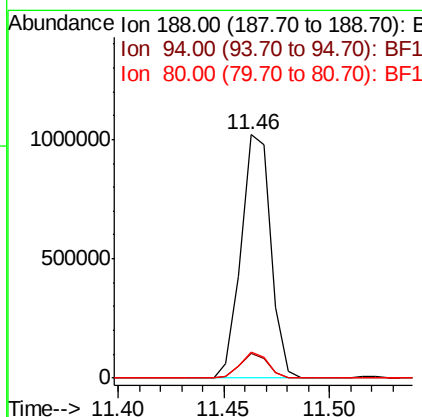
Manual Integrations
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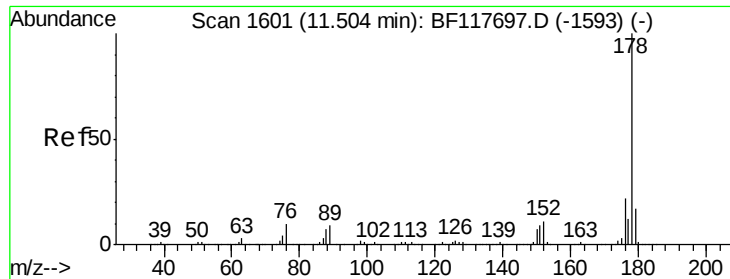
mohammad
 11/13/2019 6:48:13 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		993830		
94	10.1	7.4	11.2		
80	10.7	8.1	12.1		





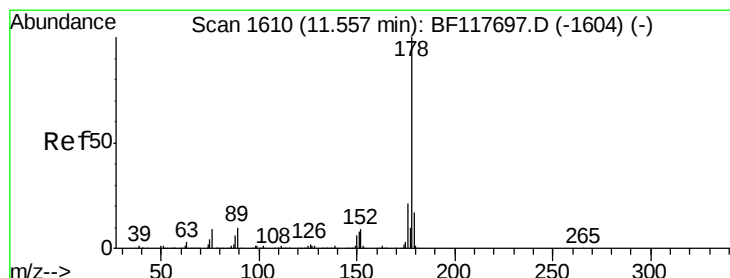
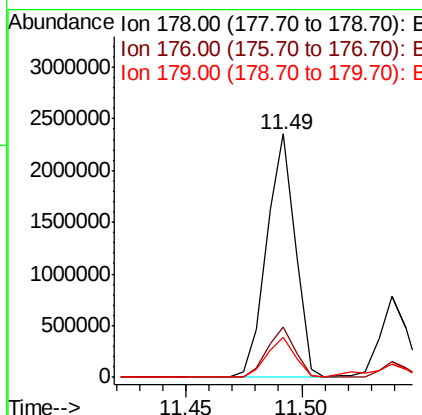
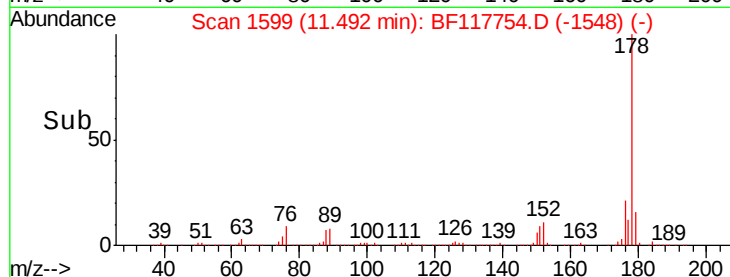
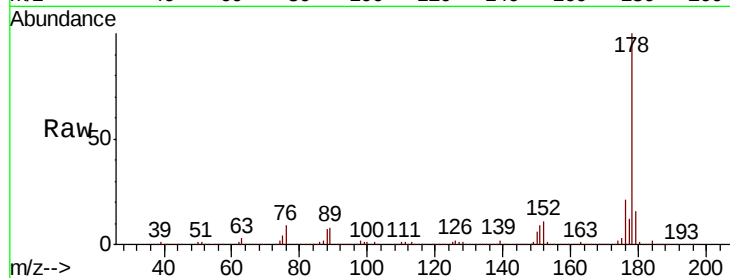
#71
Phenanthrene
Concen: 42.434 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
NORTH-BERGEN-1DL

Tot Ion:178 Resp: 2021396
Ion Ratio Lower Upper
178 100
176 20.9 16.8 25.2
179 16.5 13.5 20.3

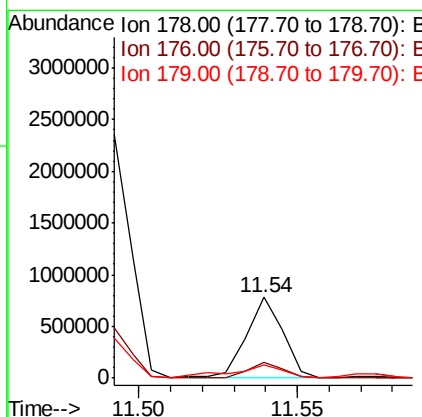
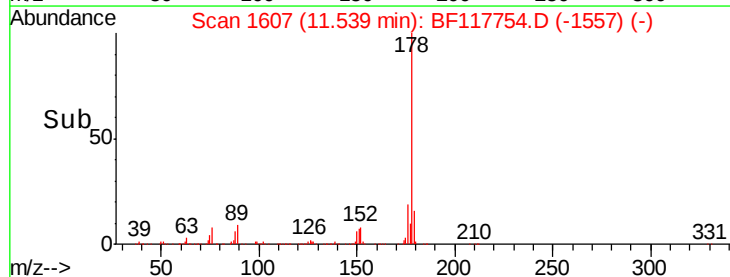
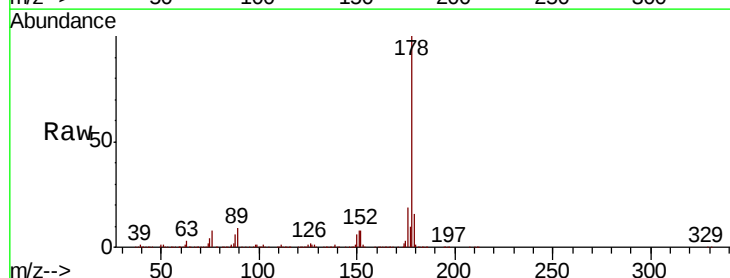
Manual Integrations
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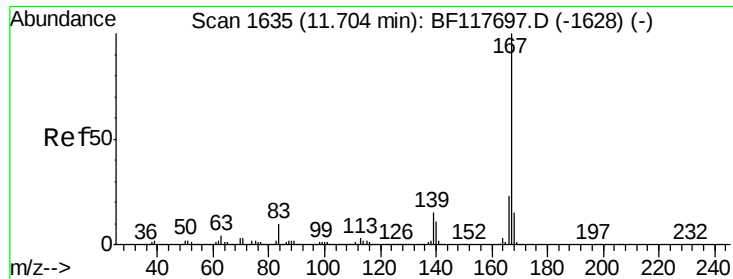
mohammad
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#72
Anthracene
Concen: 12.911 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion:178 Resp: 611887
Ion Ratio Lower Upper
178 100
176 19.4 16.4 24.6
179 15.9 13.6 20.4





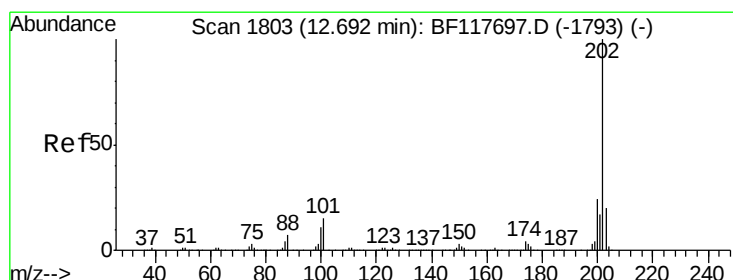
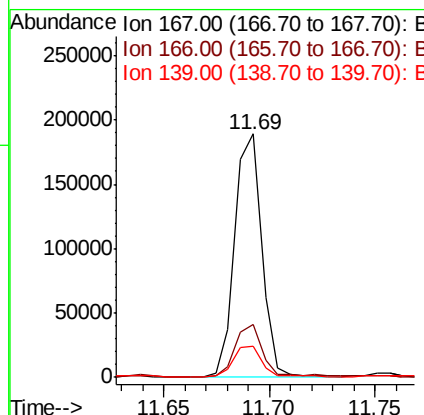
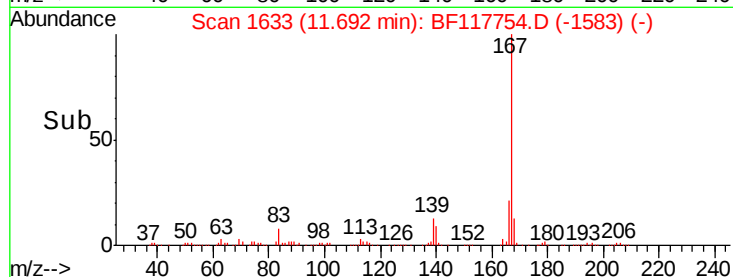
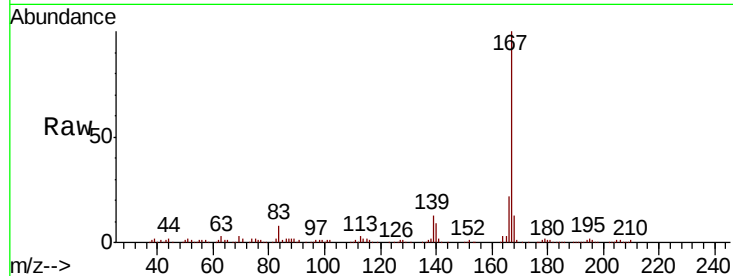
#73
 Carbazole
 Concen: 3.819 ng
 RT: 11.69 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-BERGEN-1DL

Tot Ion:	167	Resp:	165437
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.6	27.8
139	12.8	11.6	17.4

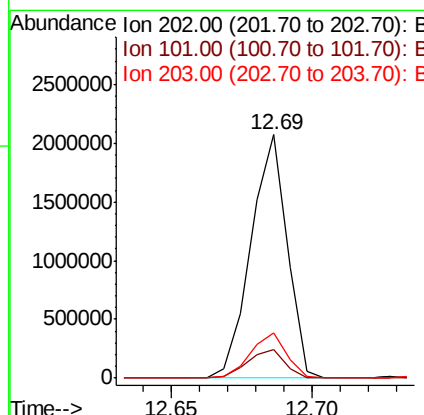
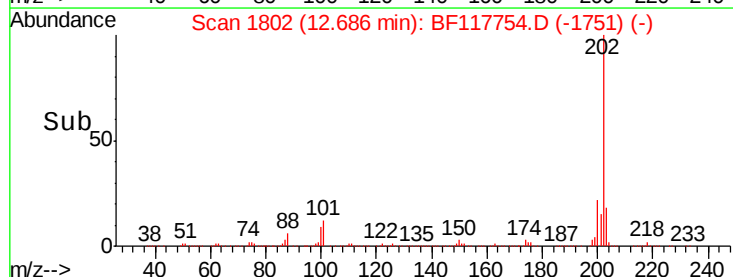
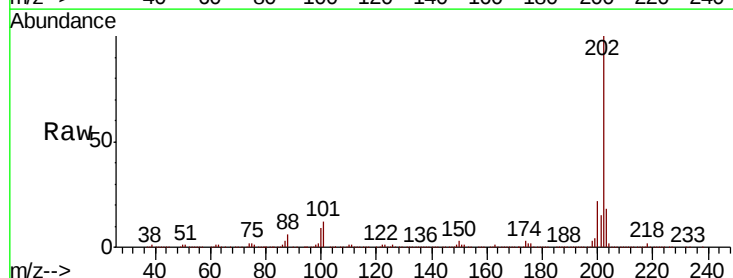
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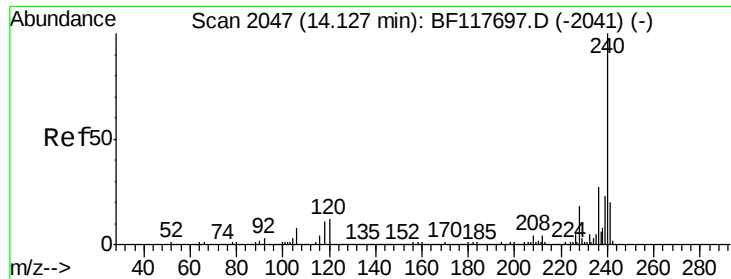
mohammad
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#75
 Fluoranthene
 Concen: 37.892 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

Tgt Ion:	202	Resp:	1843091
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	32.5
203	18.3	0.0	38.9





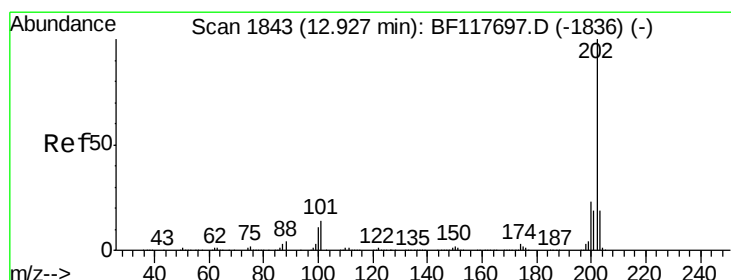
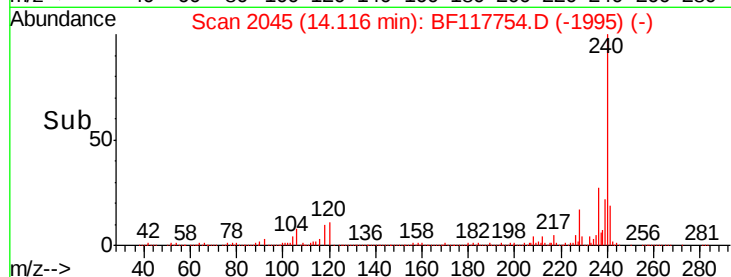
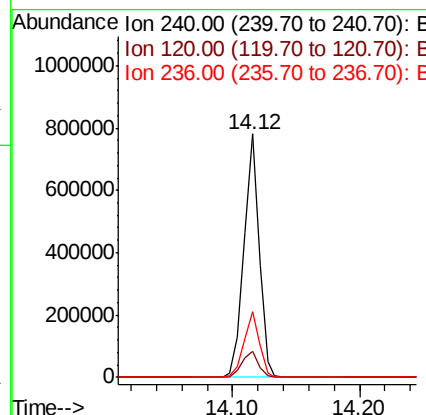
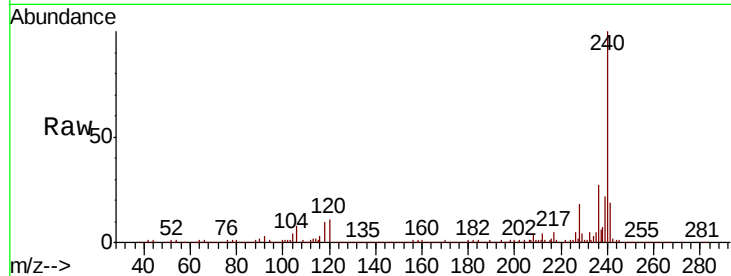
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleID :
NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.3	13.9
236	26.9	21.4	32.0

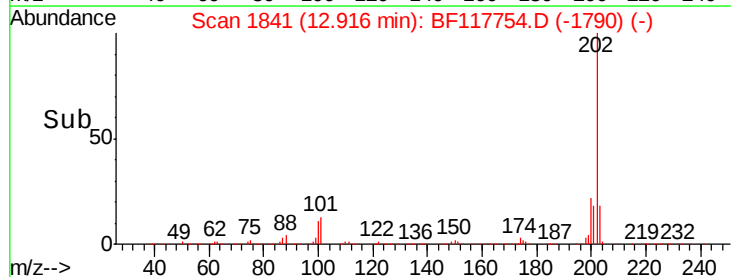
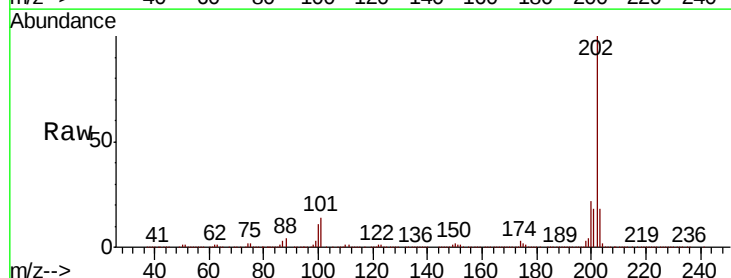
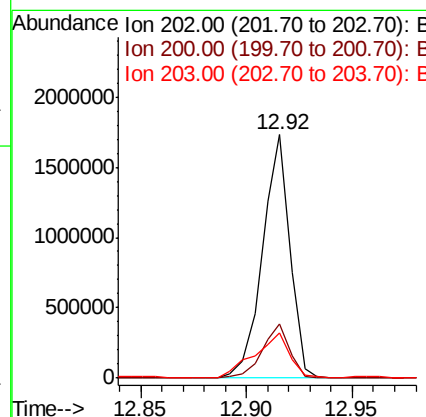
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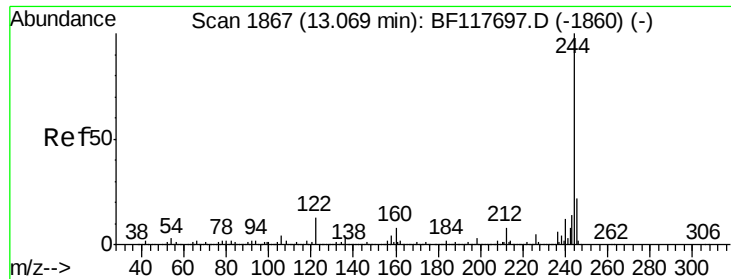
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#78
Pyrene
Concen: 33.475 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.9	28.3
203	18.4	15.3	22.9





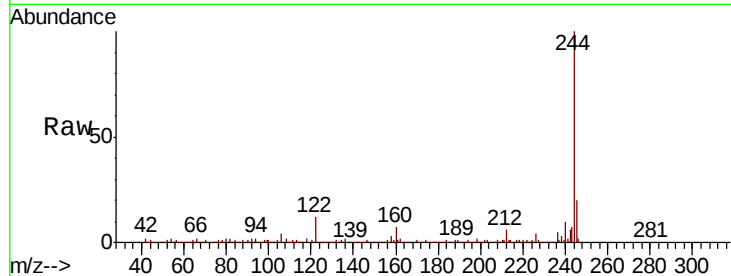
#79
 Terphenyl-d14
 Concen: 14.841 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.2	9.4
122	11.6	9.1	13.7

Manual Integrations
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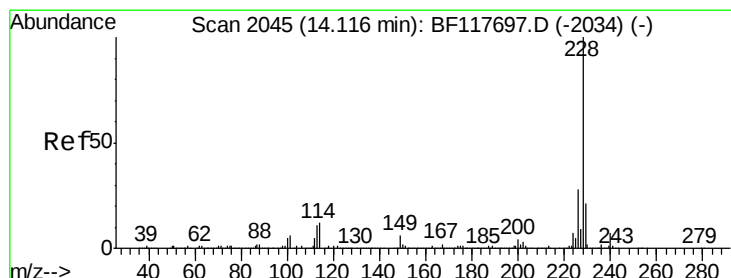
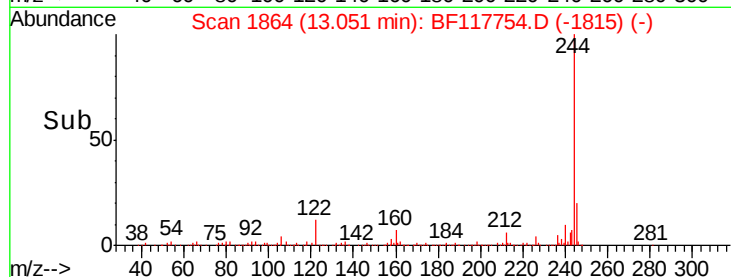
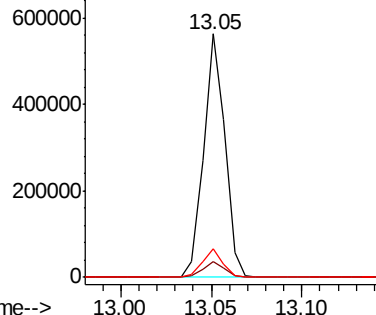


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 19.465 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF117754.D
 Acq: 12 Nov 2019 12:06

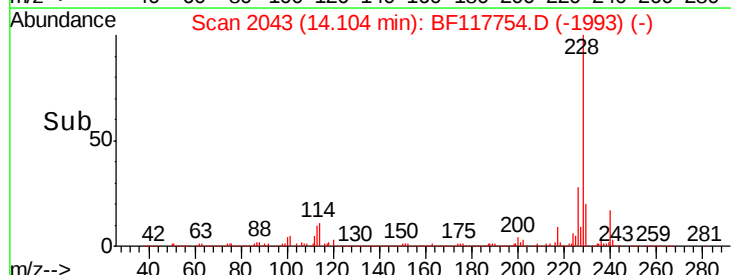
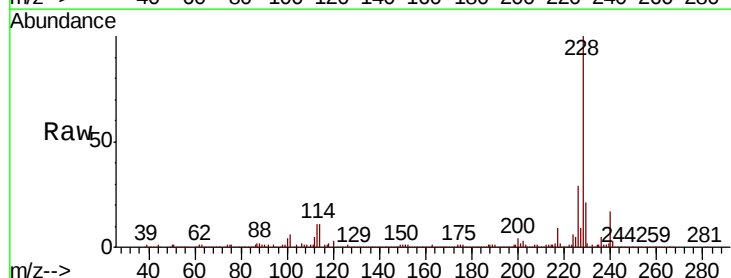
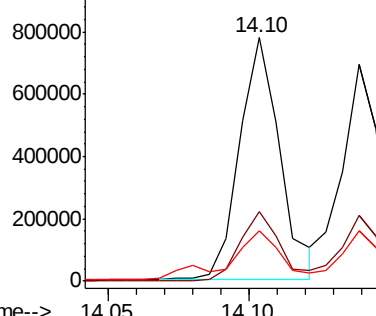
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.8	17.0	25.4

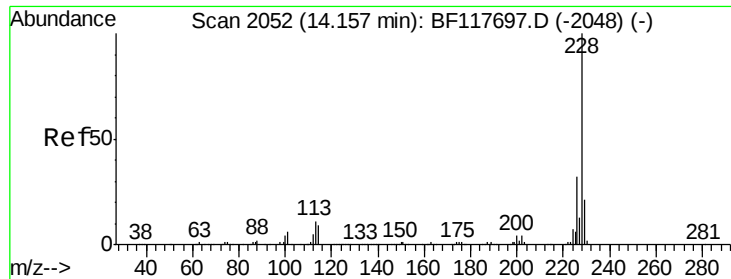
Abundance

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





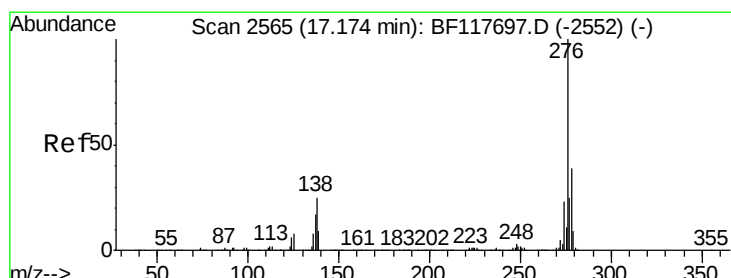
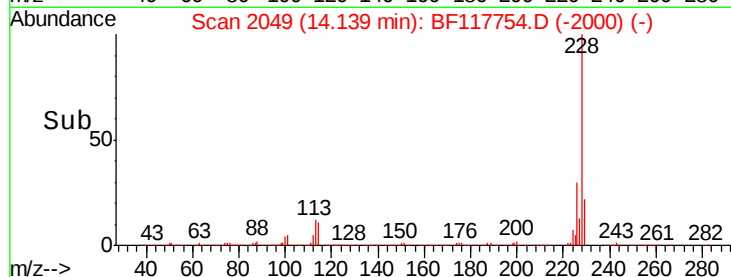
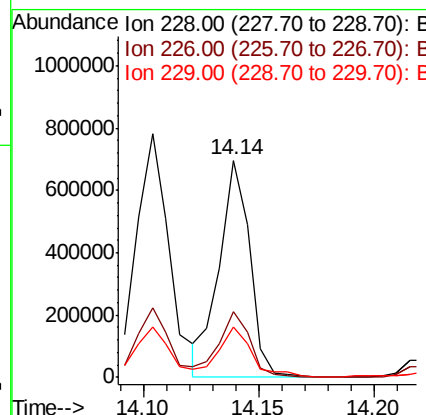
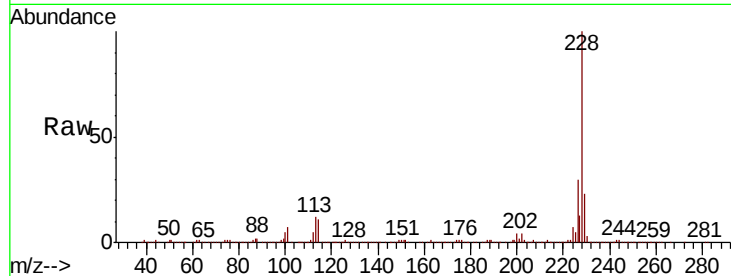
#83
Chrysene
Concen: 16.111 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleID :
NORTH-BERGEN-1DL

Tot Ion:	228	Resp:	633259
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.1	37.7
229	23.0	16.6	25.0

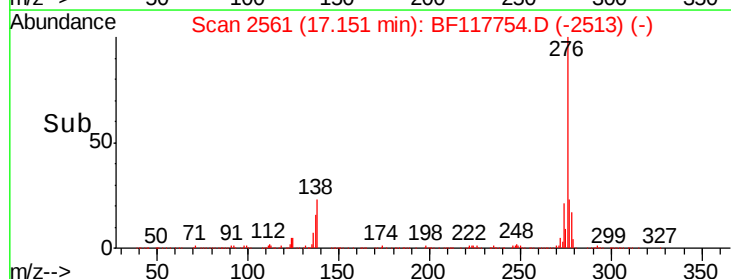
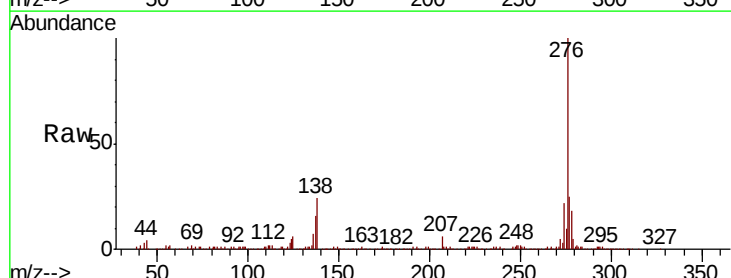
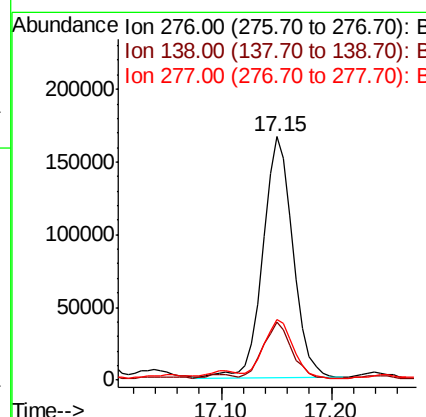
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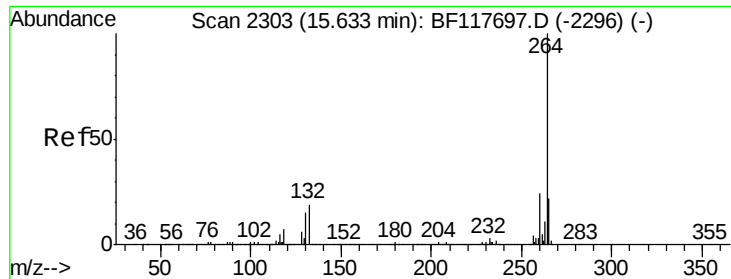
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.656 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion:	276	Resp:	316675
Ion Ratio	Lower	Upper	
276	100		
138	22.7	21.2	31.8
277	24.3	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BF117754.D

Acq: 12 Nov 2019 12:06

Instrument :

BNA_F

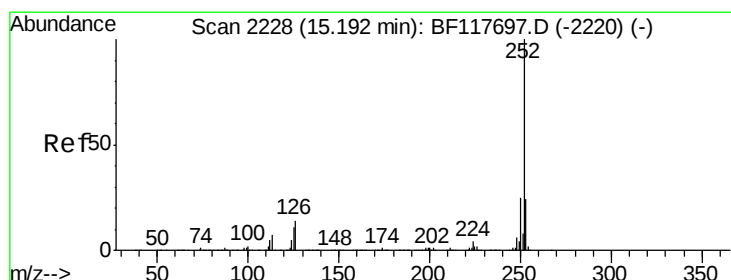
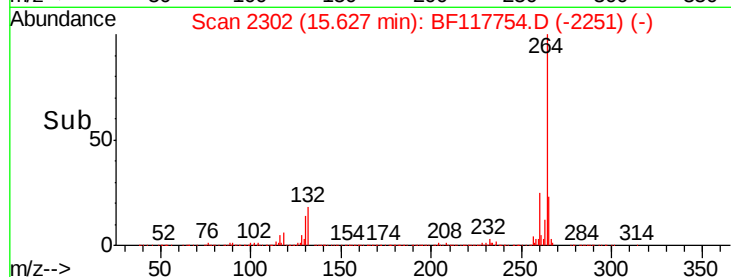
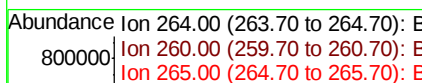
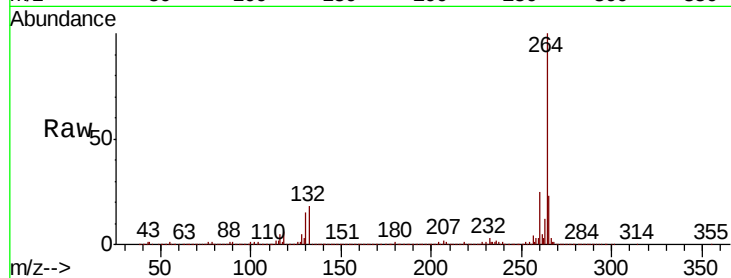
ClientSampleId :

NORTH-BERGEN-1DL

Tot Ion:	264	Resp:	783575
Ion Ratio		Lower	Upper
264	100		
260	24.8	19.0	28.6
265	22.9	17.2	25.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 15.208 ng m

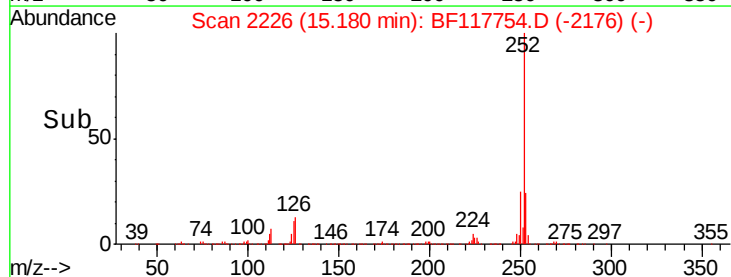
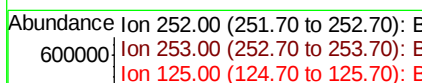
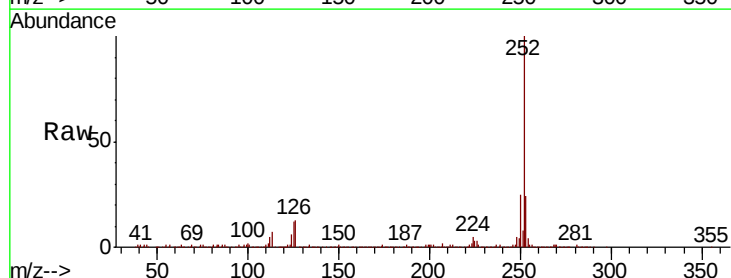
RT: 15.18 min Scan# 2226

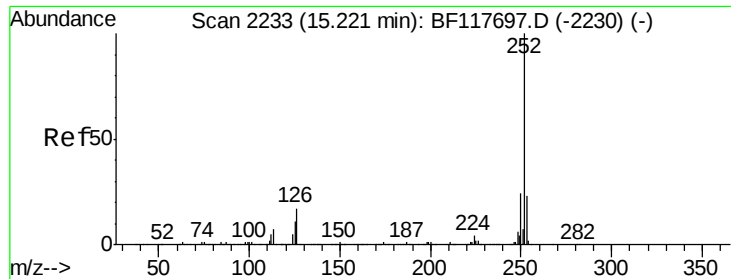
Delta R.T. -0.01 min

Lab File: BF117754.D

Acq: 12 Nov 2019 12:06

Tgt Ion:	252	Resp:	750537
Ion Ratio		Lower	Upper
252	100		
253	23.7	18.3	27.5
125	11.5	8.4	12.6





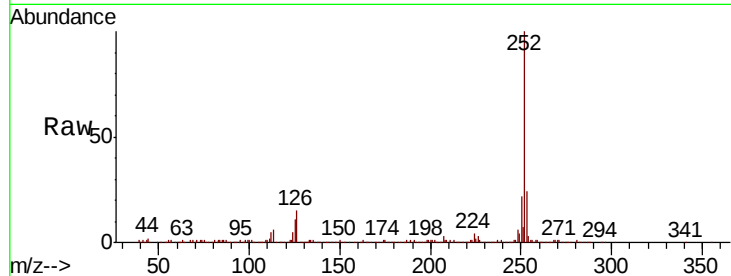
#89
Benzo(k)fluoranthene
Concen: 4.951 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	28.0
125	11.0	8.9	13.3

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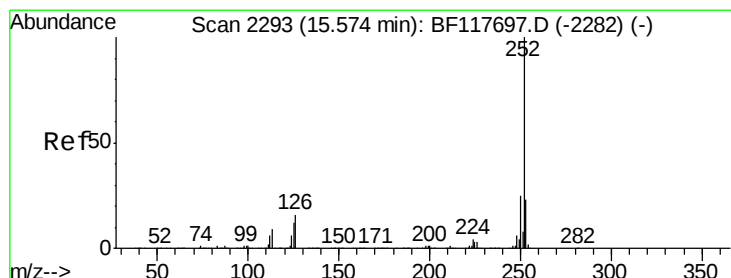
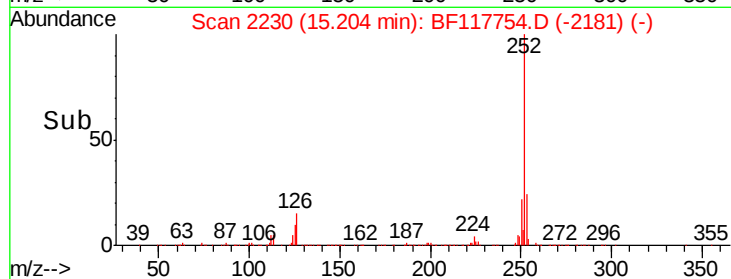
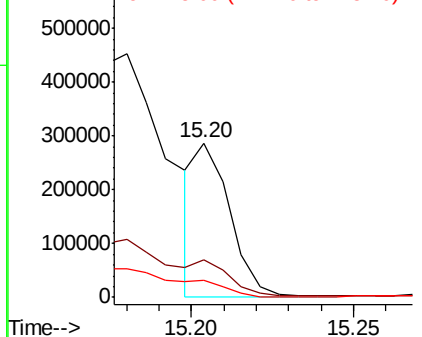


Abundance

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



#90
Benzo(a)pyrene
Concen: 12.788 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

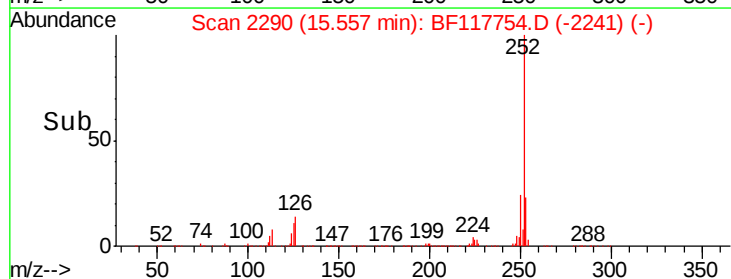
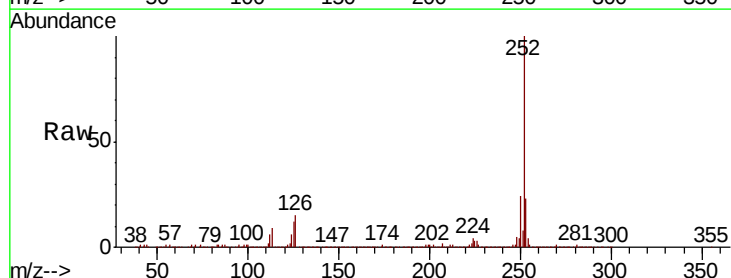
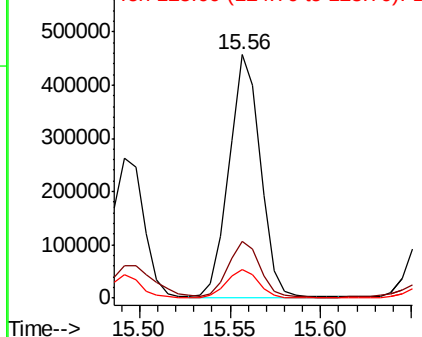
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	12.0	9.6	14.4

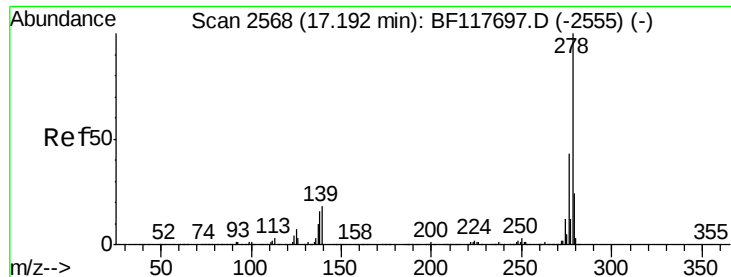
Abundance

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





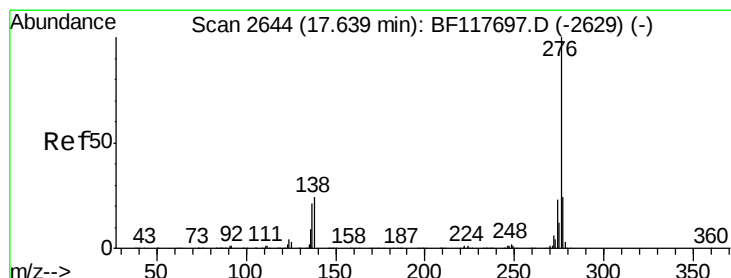
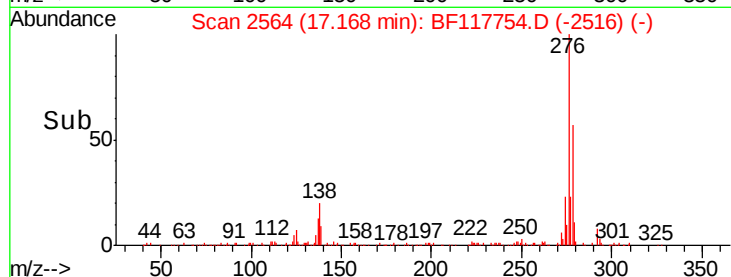
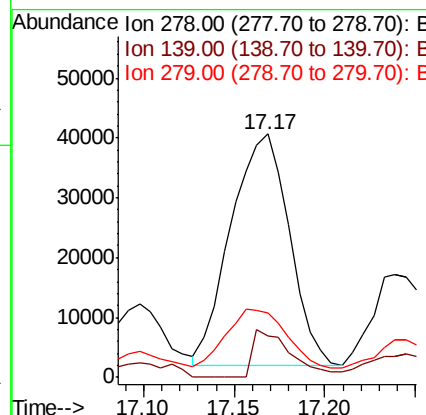
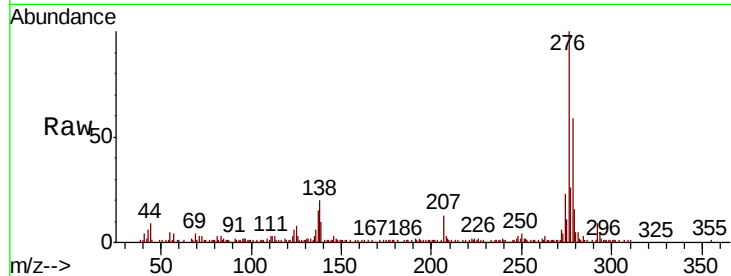
#91
Dibenzo(a,h)anthracene
Concen: 2.269 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.02 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Instrument :
BNA_F
ClientSampleId :
NORTH-BERGEN-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.8	20.6
279	26.7	19.6	29.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.228 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BF117754.D
Acq: 12 Nov 2019 12:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.6
138	22.8	18.6	27.8

