

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101421.D
 Acq On : 15 Dec 2017 3:50
 Operator : SJ/JU
 Sample : I6877-02 50X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(13-15)

Manual Integrations
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Sohil
 12/15/2017 6:45:03 PM

Quant Time: Dec 15 05:47:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	173996	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	729500	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	313479	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	564347	20.00	ng	0.00
75) Chrysene-d12	13.99	240	378329	20.00	ng	-0.01
86) Perylene-d12	15.46	264	334447	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	22407	1.92	ng	0.03
7) Phenol-d6	6.49	99	32857	2.26	ng	0.03
23) Nitrobenzene-d5	7.41	82	20181	1.54	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	6176	2.04	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	35116	1.74	ng	0.00
78) Terphenyl-d14	12.92	244	29562	1.88	ng	-0.01
Target Compounds						
70) Phenanthrene	11.37	178	150305	4.789	ng	99
74) Fluoranthene	12.56	202	260494	7.908	ng	96
77) Pyrene	12.79	202	246095	8.667	ng	99
80) Benzo(a)anthracene	13.98	228	185208	7.414	ng	97
82) Chrysene	14.02	228	150359	6.375	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	166836	7.943	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	253508m	12.436	ng	
88) Benzo(k)fluoranthene	15.06	252	91902m	4.637	ng	
89) Benzo(a)pyrene	15.40	252	230470	12.264	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	44480m	2.757	ng	
91) Benzo(g,h,i)perylene	17.39	276	153467	9.606	ng	96

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

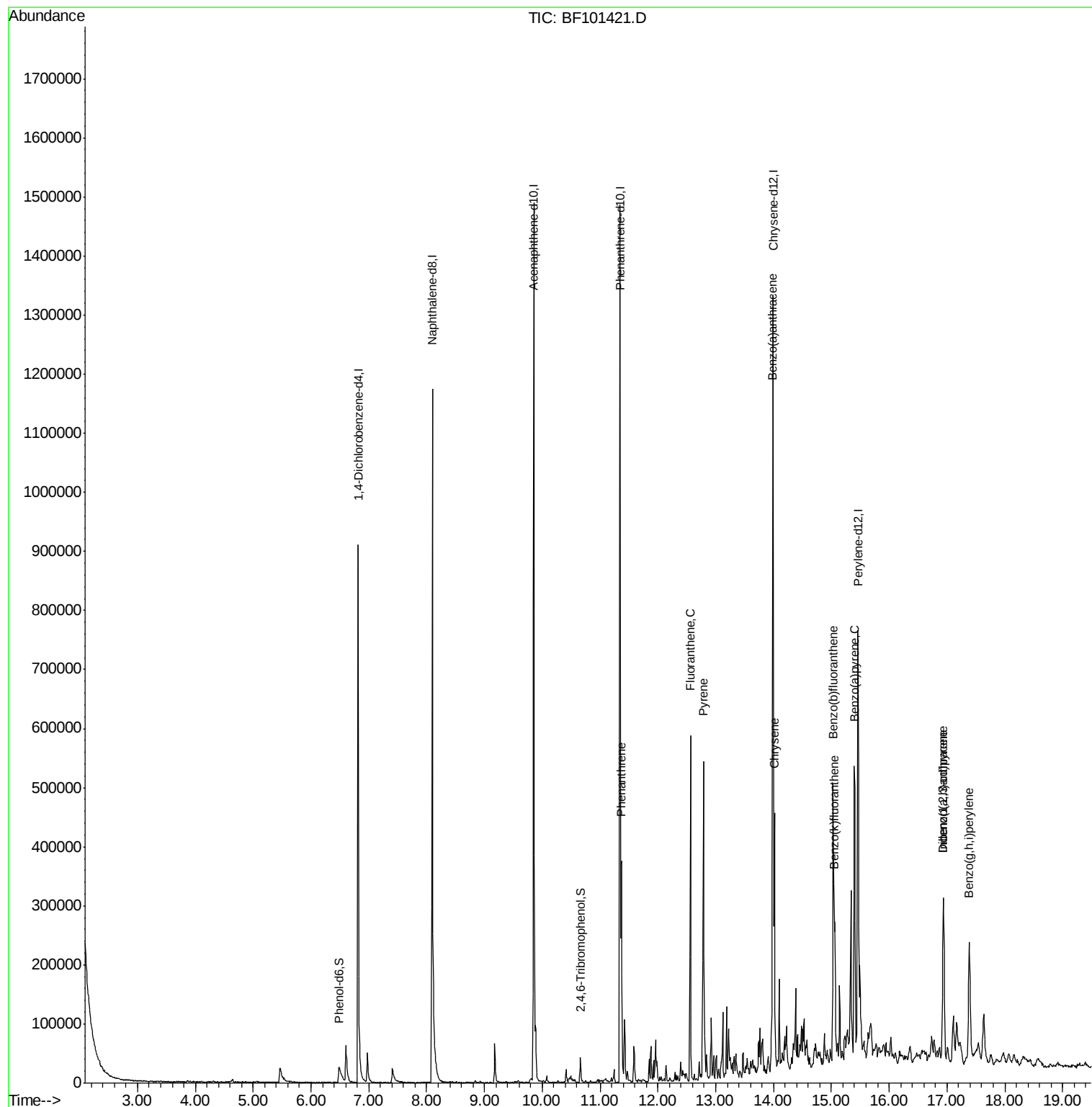
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101421.D
Acq On : 15 Dec 2017 3:50
Operator : SJ/JU
Sample : I6877-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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SB-5(13-15)

Manual Integrations
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12/15/2017 6:45:03 PM

Quant Time: Dec 15 05:47:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration





#1

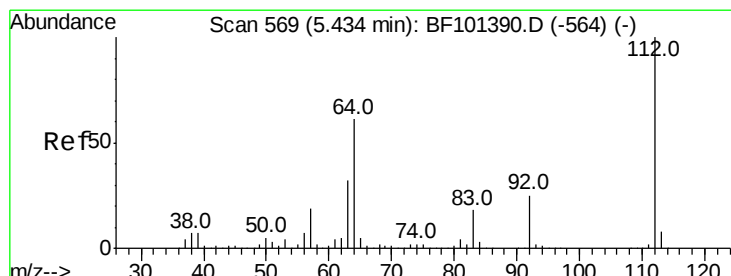
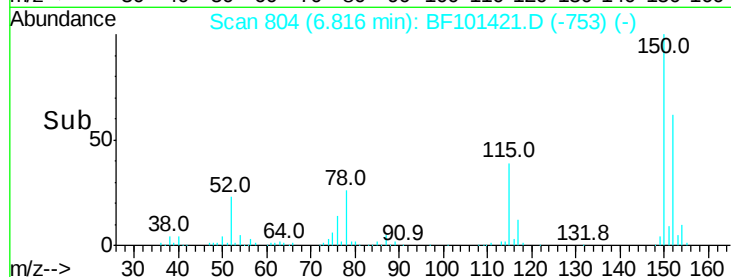
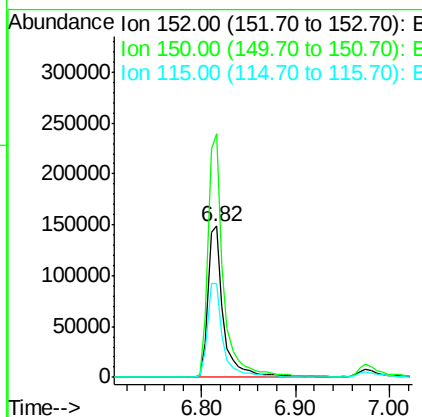
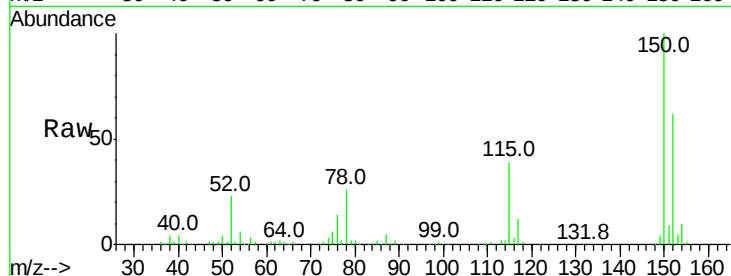
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampleId :
SB-5(13-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	62.2	50.1	75.1

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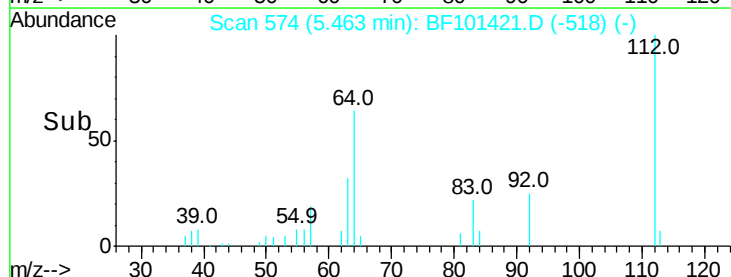
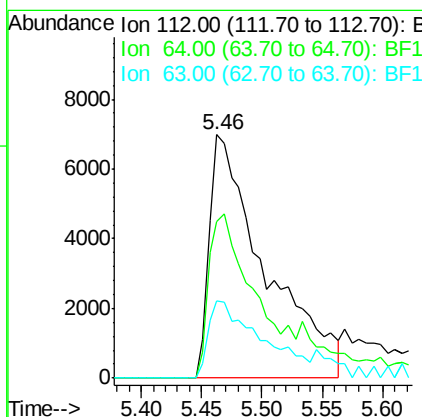
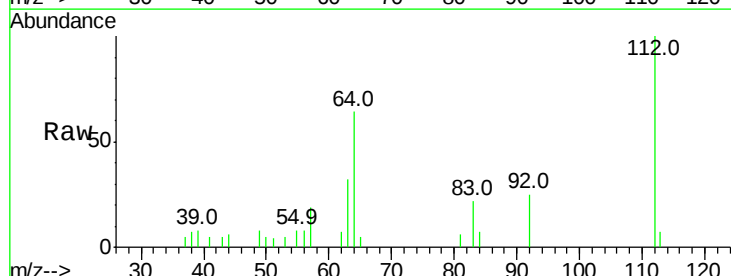
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#5

2-Fluorophenol
Concen: 1.918 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.03 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	31.8	23.7	35.5





#7

Phenol-d6

Concen: 2.260 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.03 min

Lab File: BF101421.D

Acq: 15 Dec 2017 3:50

Instrument :

BNA_F

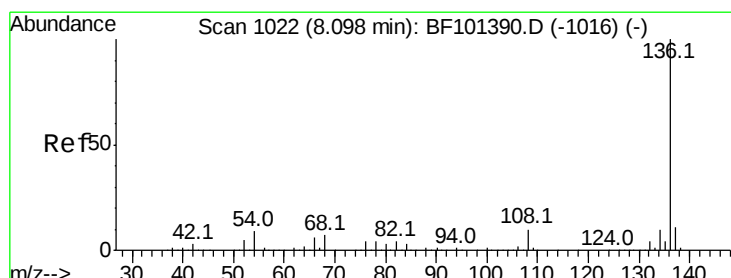
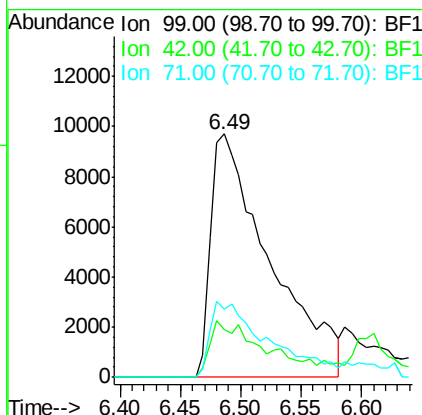
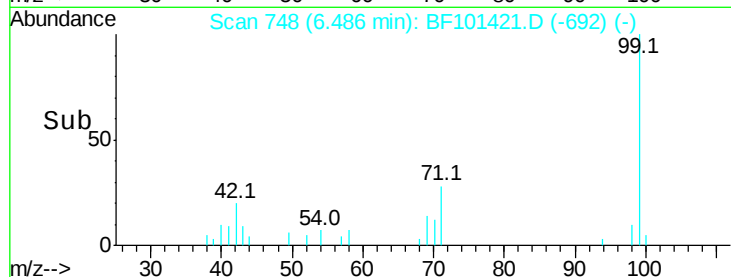
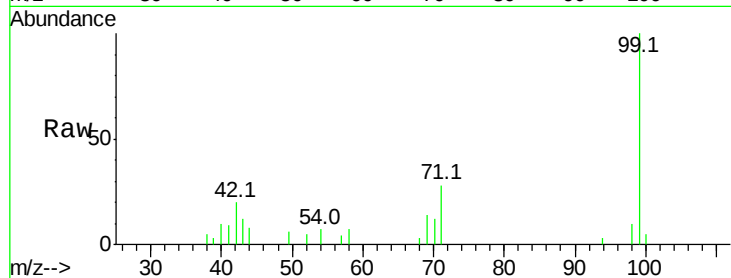
ClientSampled :

SB-5(13-15)

Tot Ion:	99	Resp:	32857
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	27.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

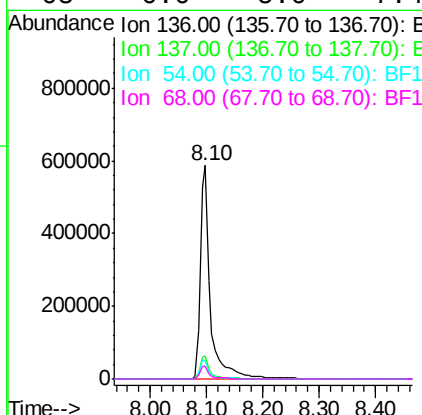
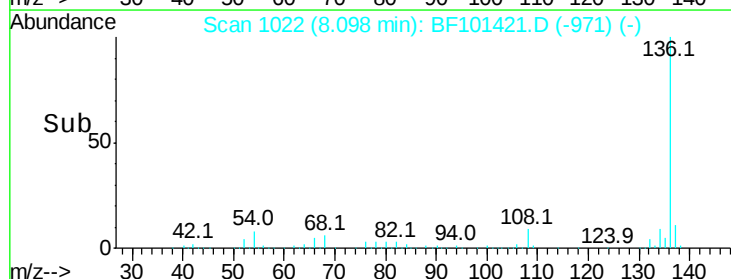
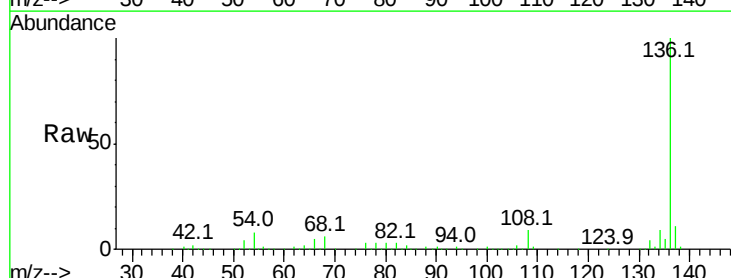
RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101421.D

Acq: 15 Dec 2017 3:50

Tgt Ion:	136	Resp:	729500
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	6.0	5.0	7.4





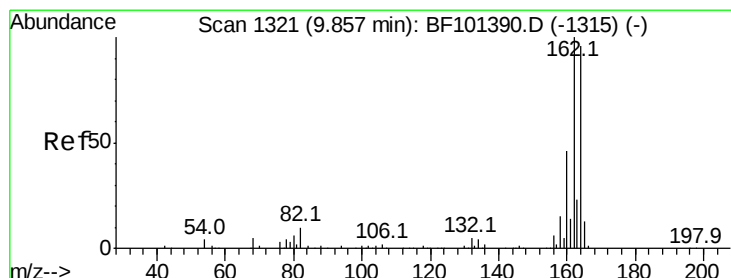
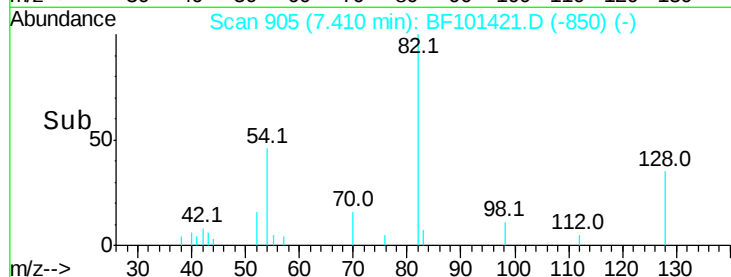
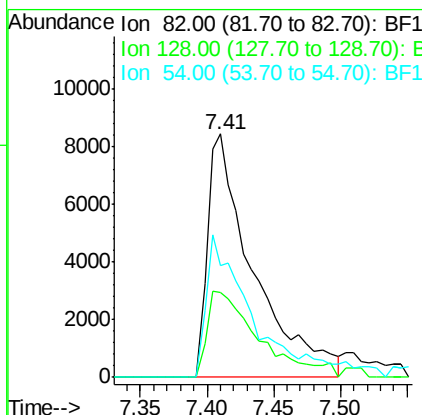
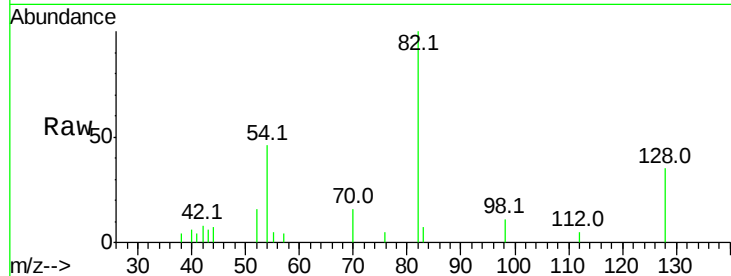
#23
Nitrobenzene-d5
Concen: 1.540 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.02 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampleId :
SB-5(13-15)

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.9	36.1	54.1#
54	46.0	41.4	62.2

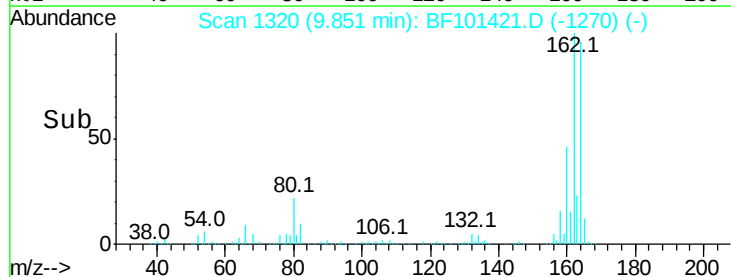
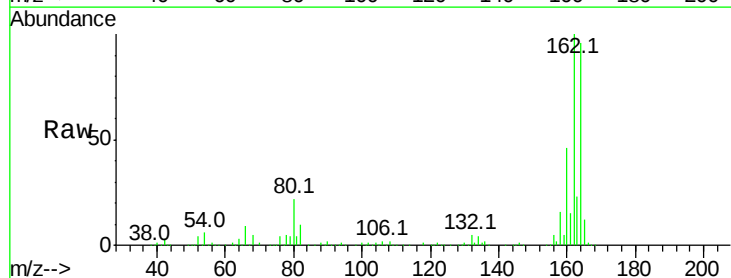
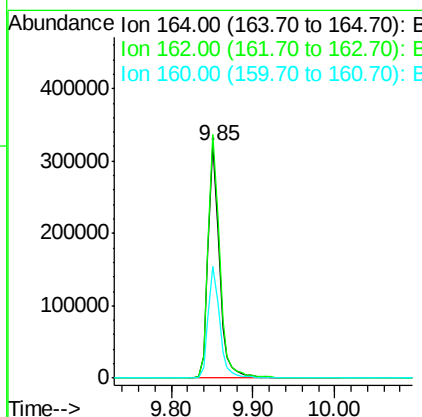
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	48.2	38.3	57.5





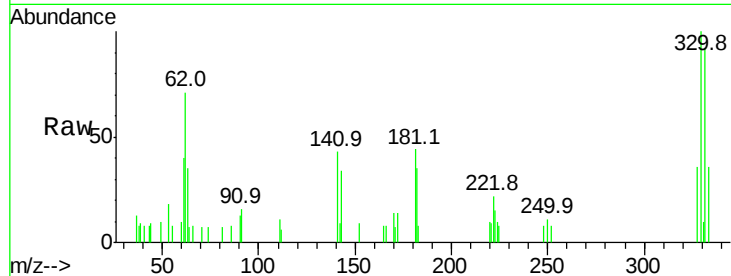
#41
 2,4,6-Tribromophenol
 Concen: 2.045 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101421.D
 Acq: 15 Dec 2017 3:50

Instrument :
 BNA_F
 ClientSampled :
 SB-5(13-15)

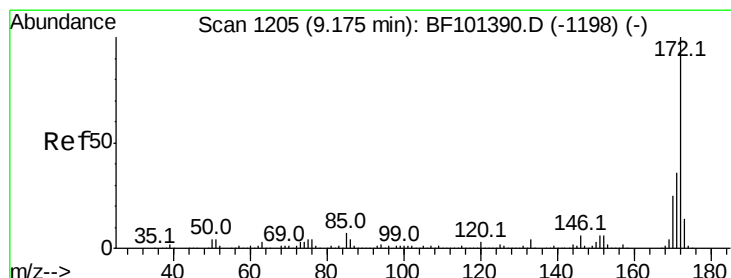
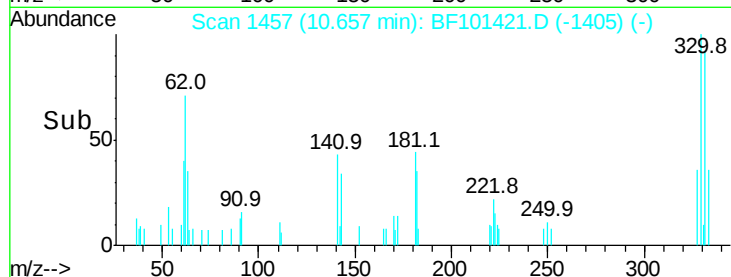
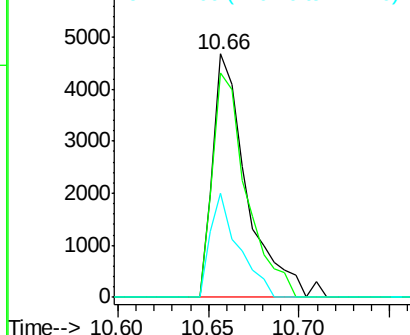
Tot Ion	Ratio	Lower	Upper
330	100		
332	90.7	77.0	115.6
141	35.2	29.9	44.9

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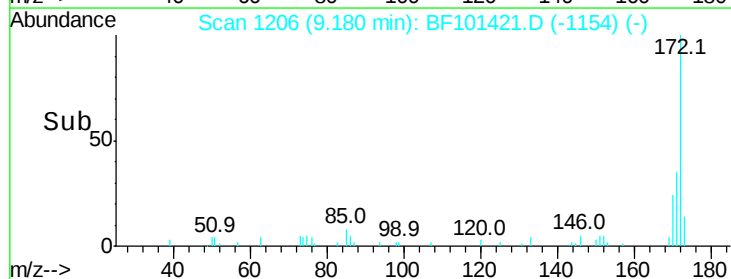
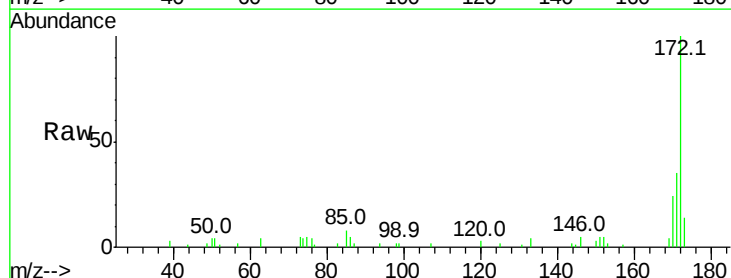
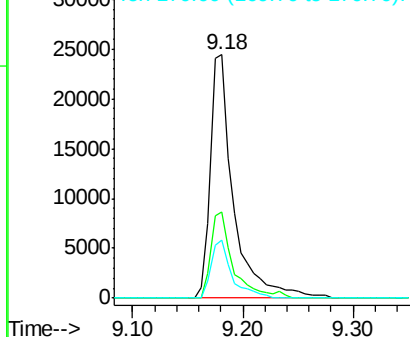
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

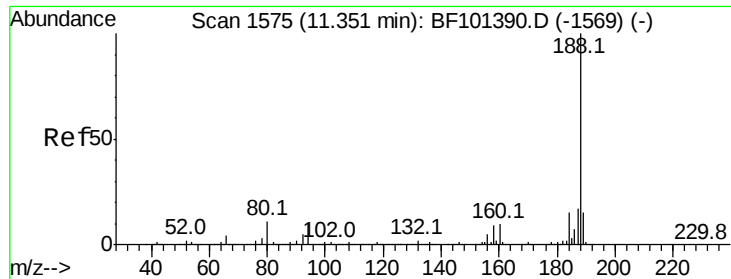


#44
 2-Fluorobiphenyl
 Concen: 1.738 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF101421.D
 Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.0	19.6	29.4

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





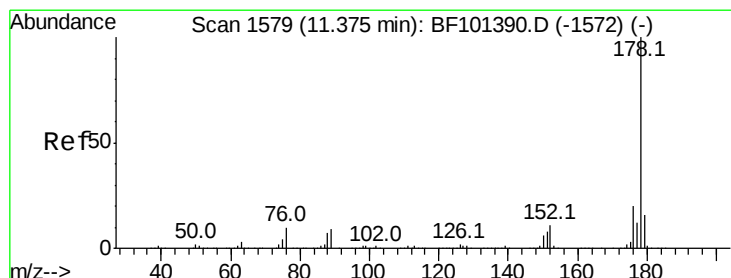
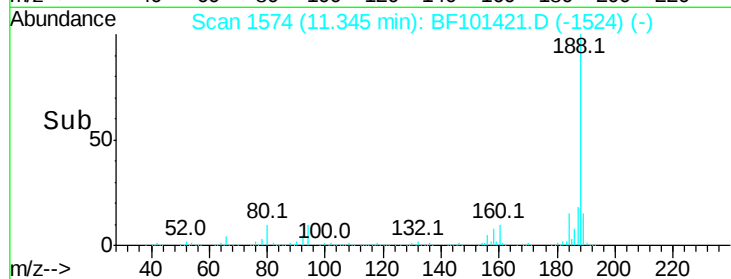
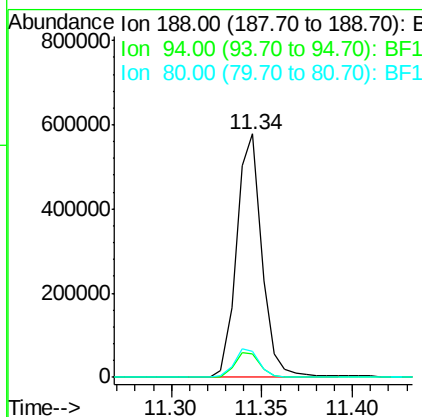
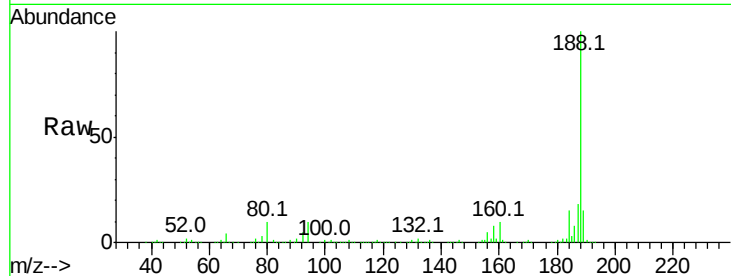
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampleId :
SB-5(13-15)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.5	9.2	13.8

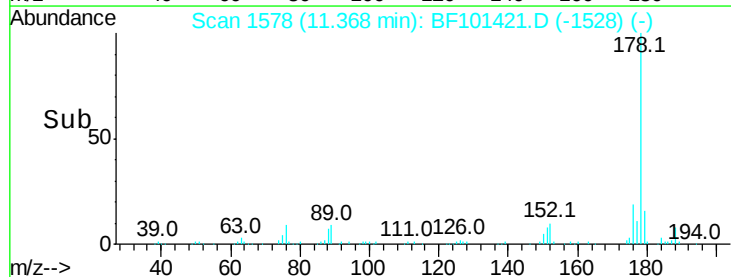
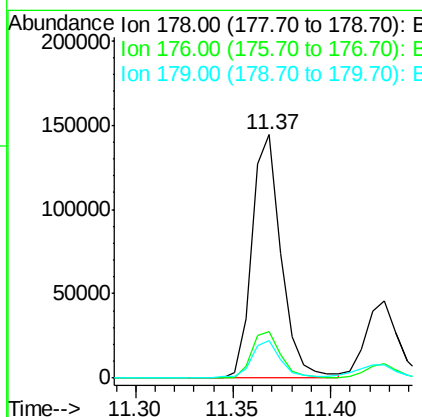
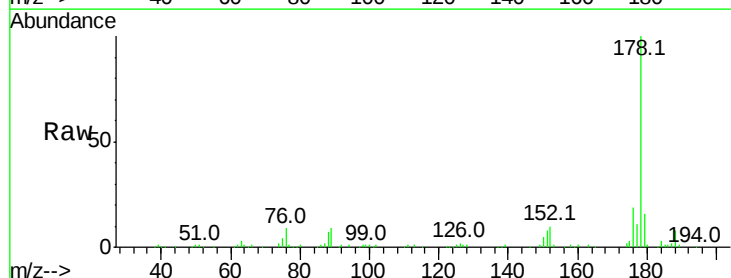
Manual Integrations
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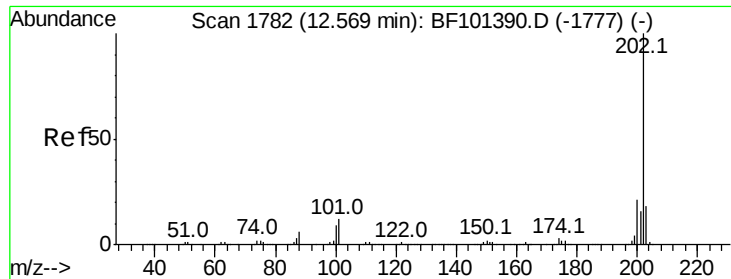
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#70
Phenanthrene
Concen: 4.789 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6





#74

Fluoranthene

Concen: 7.908 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101421.D

Acq: 15 Dec 2017 3:50

Instrument :

BNA_F

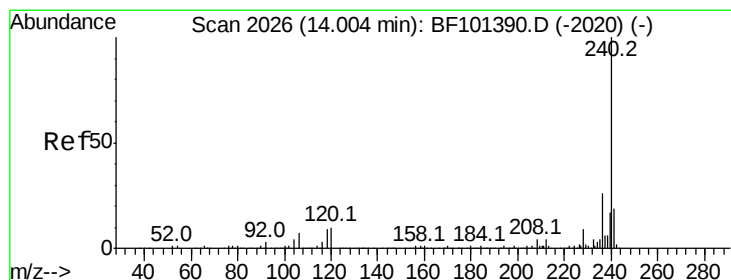
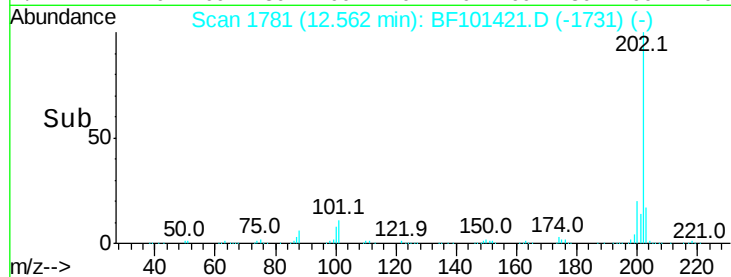
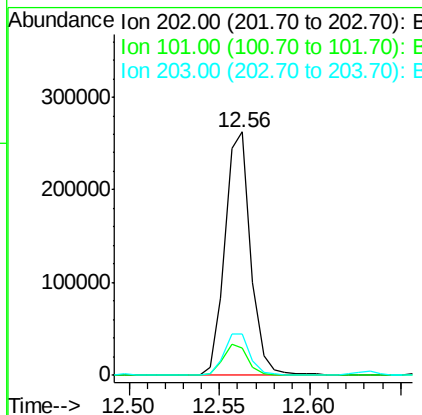
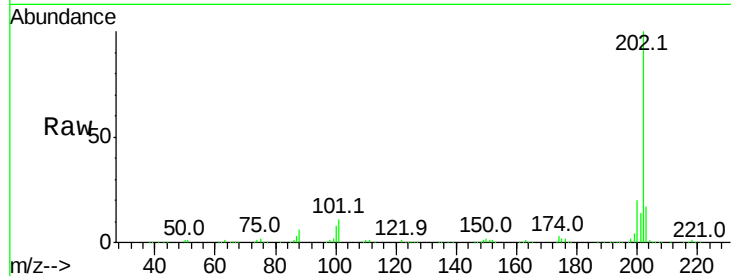
ClientSampleId :

SB-5(13-15)

Tot Ion:	202	Resp:	260494
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

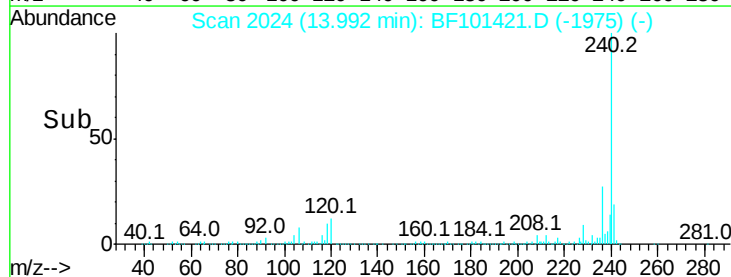
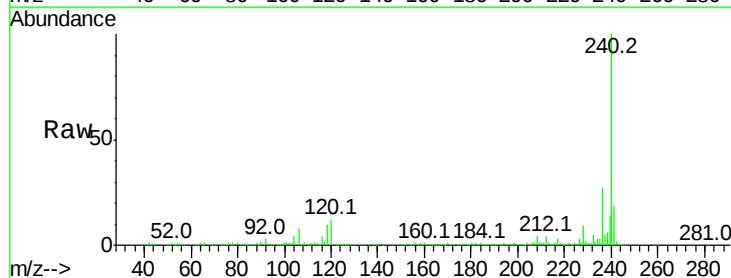
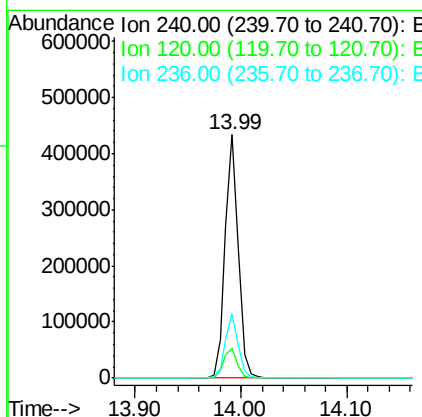
RT: 13.99 min Scan# 2024

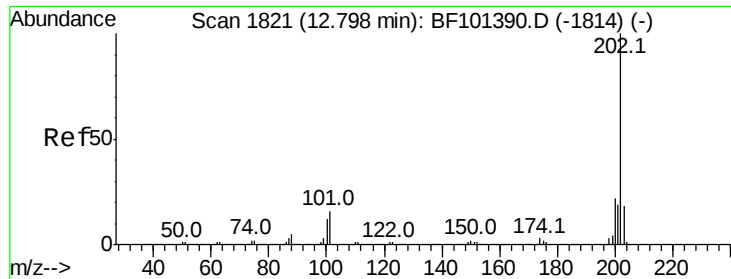
Delta R.T. -0.01 min

Lab File: BF101421.D

Acq: 15 Dec 2017 3:50

Tgt Ion:	240	Resp:	378329
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	26.5	20.7	31.1





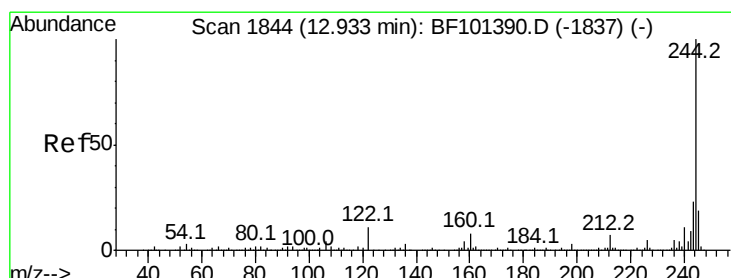
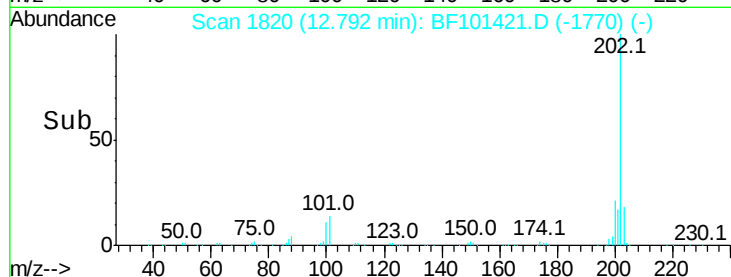
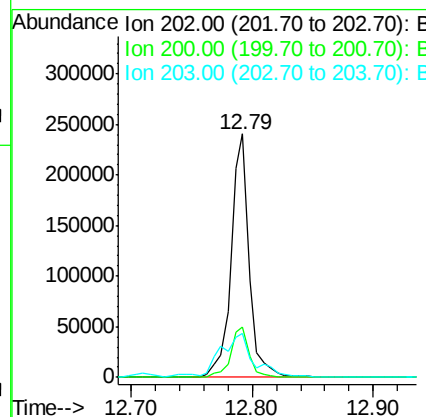
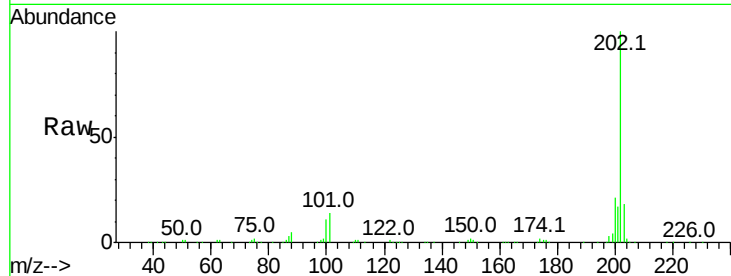
#77
Pvrene
Concen: 8.667 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampleId :
SB-5(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	246095		
200	20.7		17.4	26.2
203	18.0		14.3	21.5

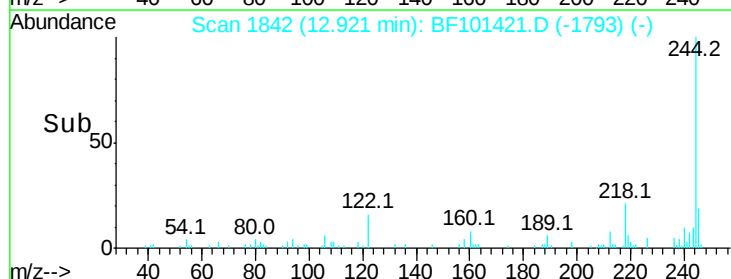
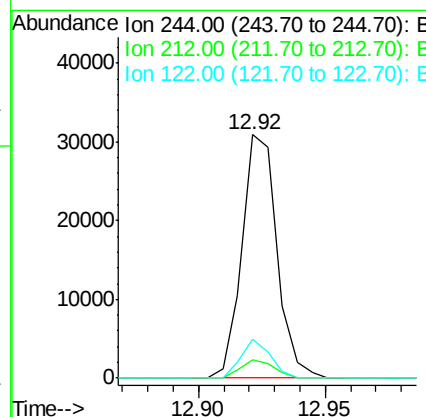
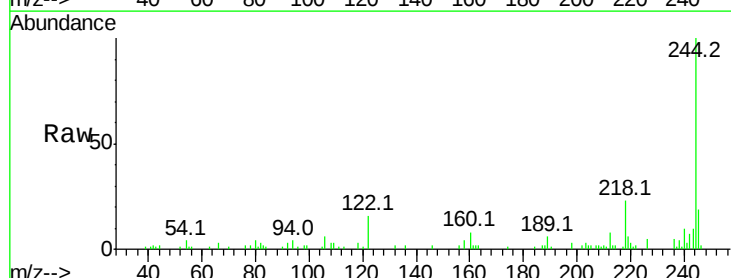
Manual Integrations
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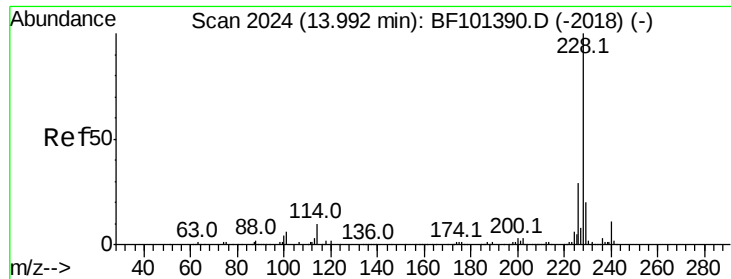
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#78
Terphenyl-d14
Concen: 1.884 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	29562		
212	7.5		5.4	8.0
122	16.0		11.0	16.4





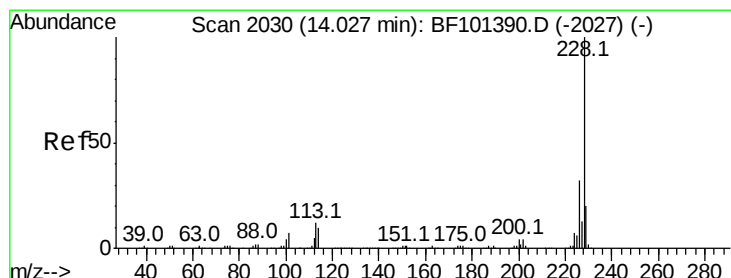
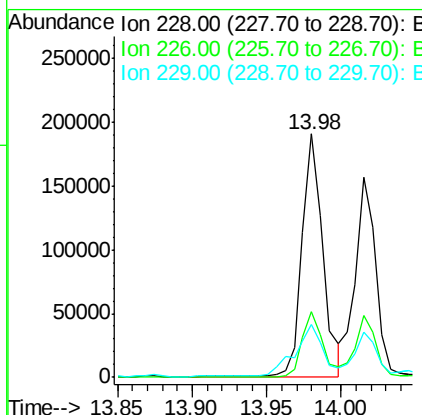
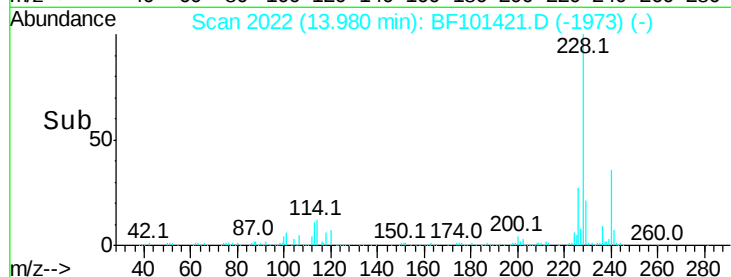
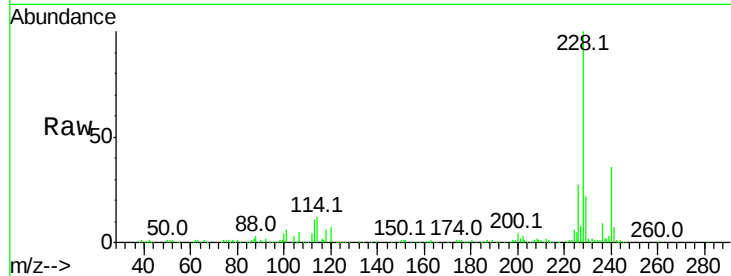
#80
Benzo(a)anthracene
Concen: 7.414 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampled :
SB-5(13-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	21.6	15.8	23.6

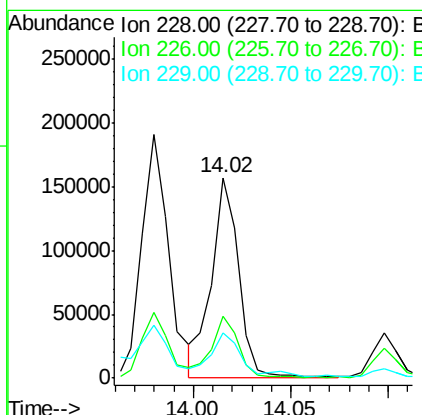
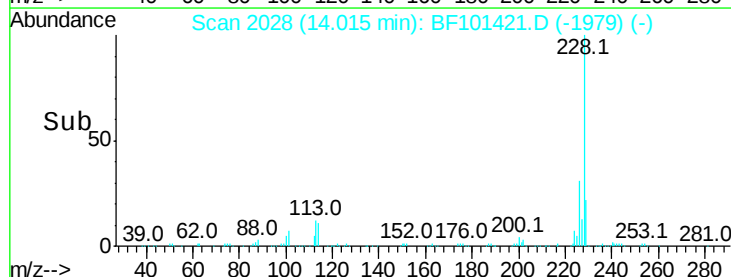
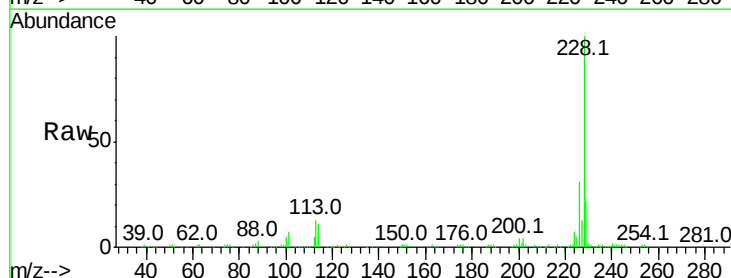
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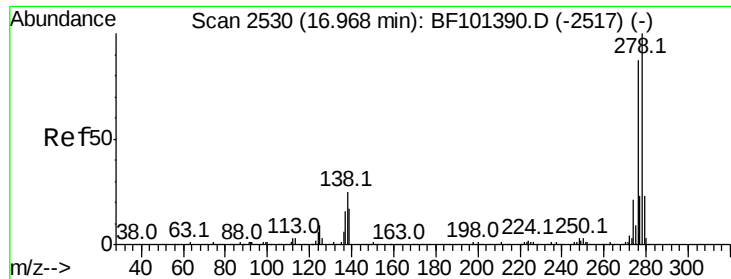
Sohil
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#82
Chrysene
Concen: 6.375 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.4	16.2	24.4





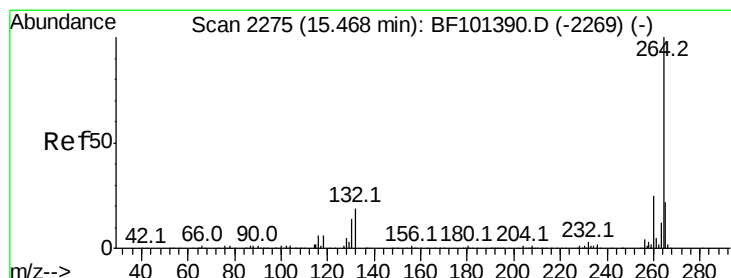
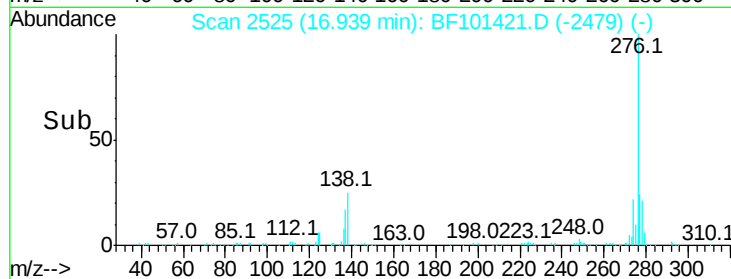
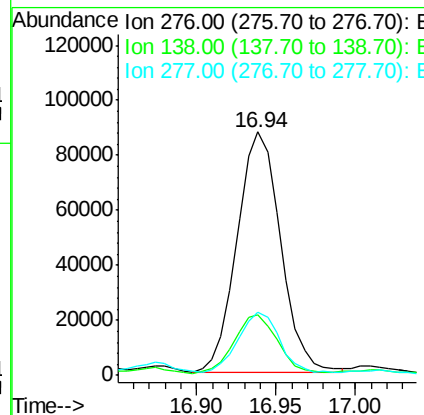
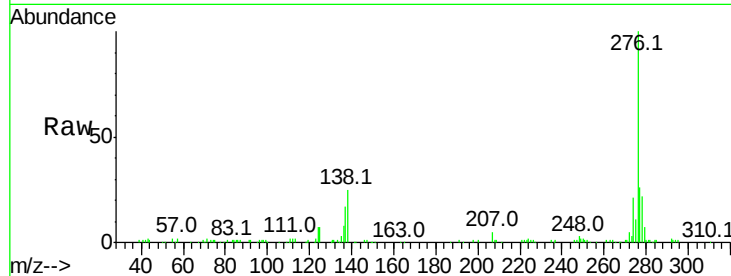
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.943 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. -0.03 min
 Lab File: BF101421.D
 Acq: 15 Dec 2017 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(13-15)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	24.2	20.1	30.1

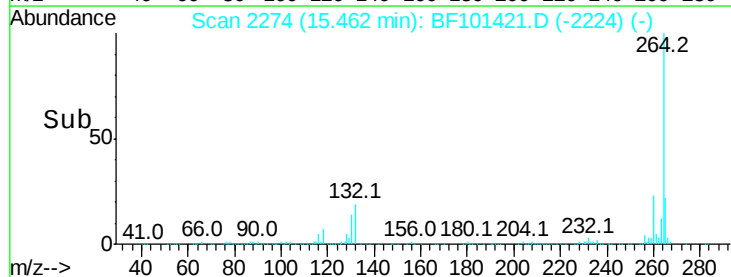
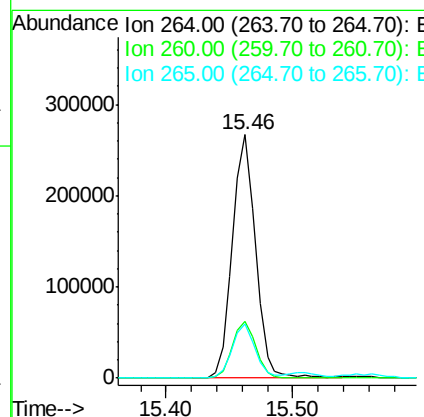
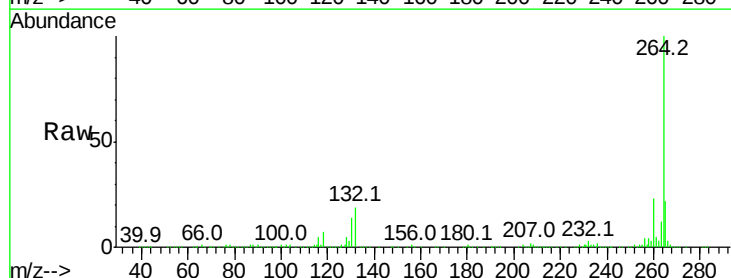
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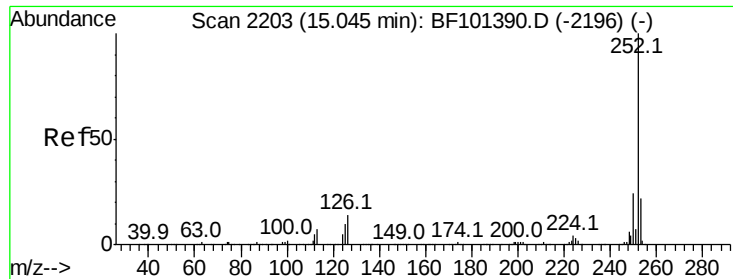
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF101421.D
 Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.1	17.5	26.3





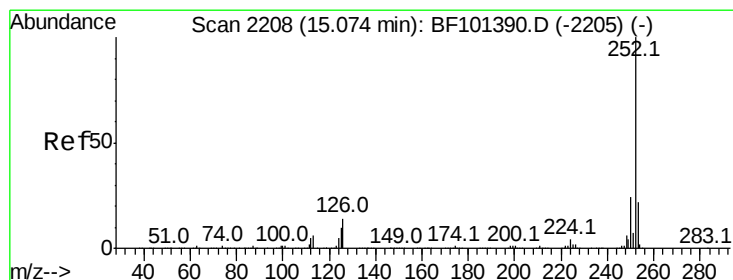
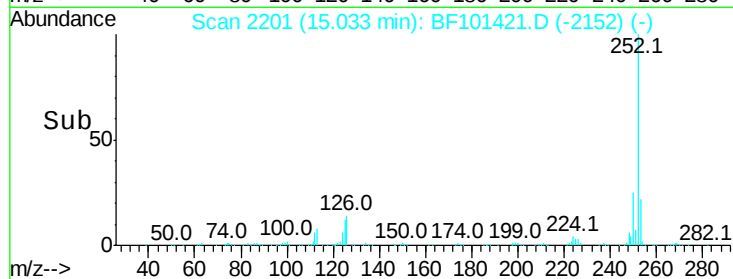
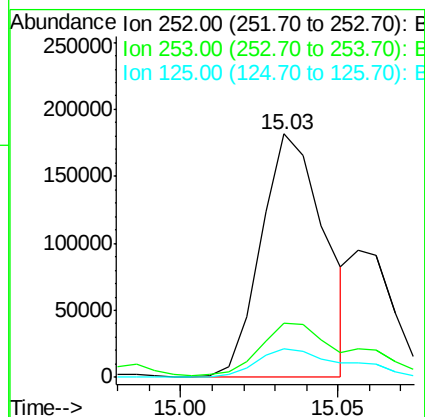
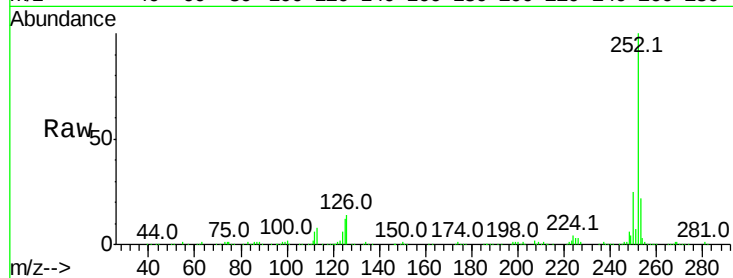
#87
Benzo(b)fluoranthene
Concen: 12.436 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampleId :
SB-5(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.6	9.0	13.6

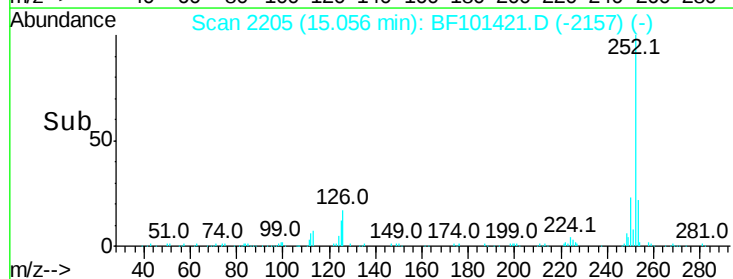
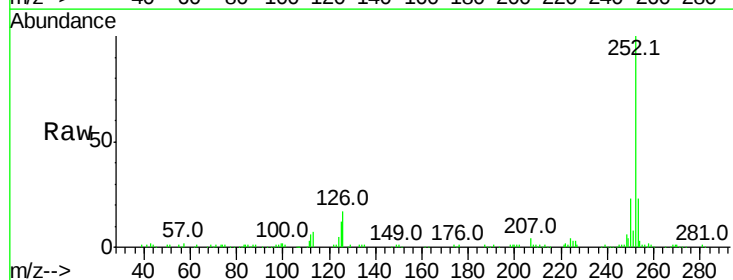
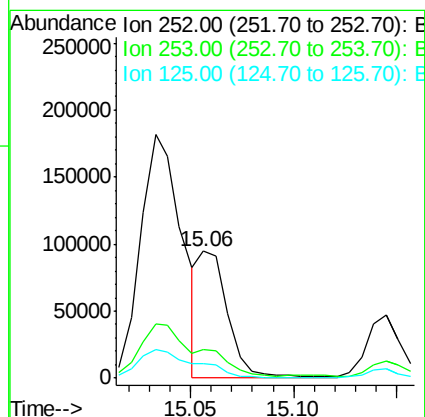
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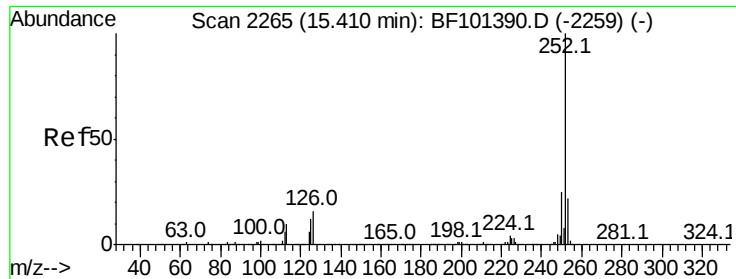
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.637 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.6	10.2	15.2





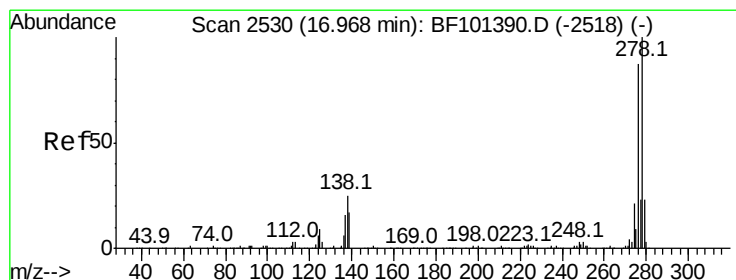
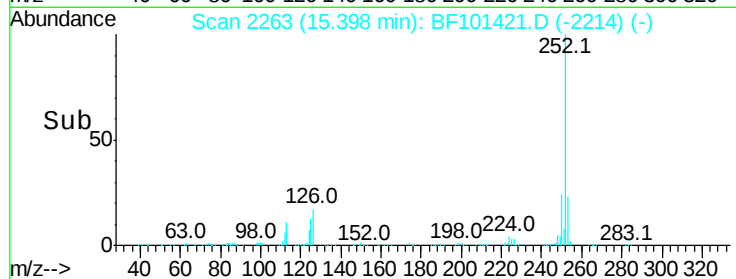
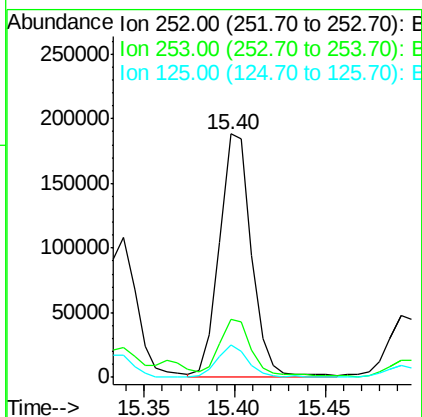
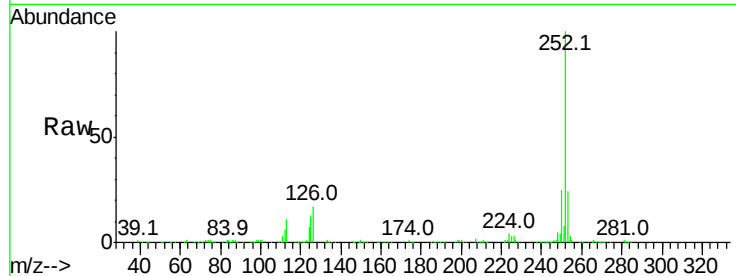
#89
Benzo(a)pyrene
Concen: 12.264 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Instrument :
BNA_F
ClientSampled :
SB-5(13-15)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.0	17.1	25.7
125	13.1	9.8	14.6

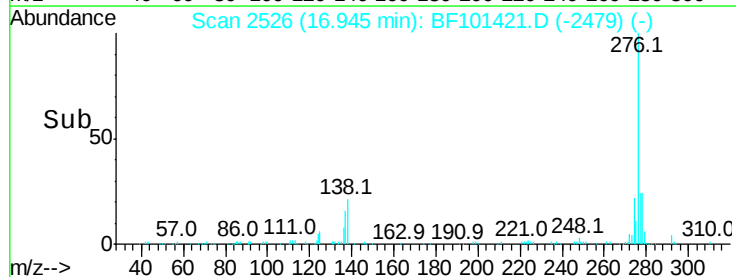
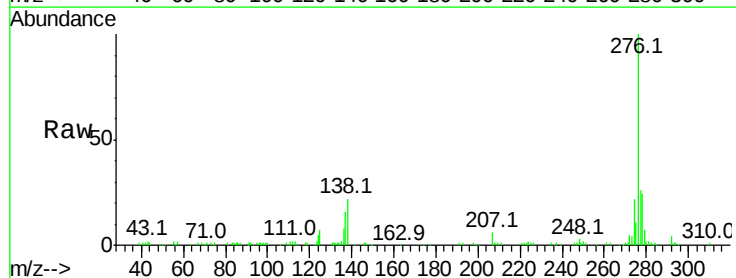
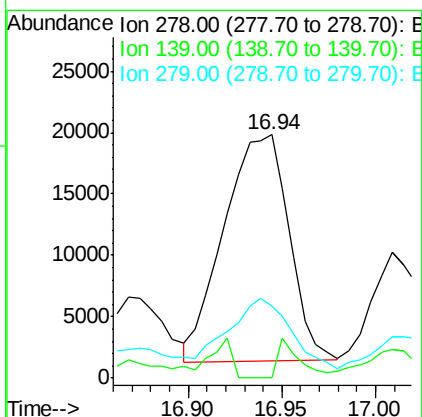
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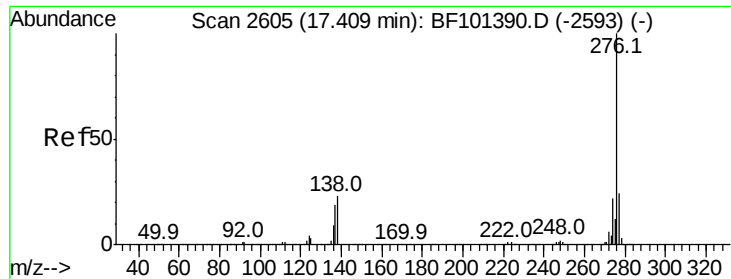
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.757 ng m
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF101421.D
Acq: 15 Dec 2017 3:50

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.9	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.606 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF101421.D
 Acq: 15 Dec 2017 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(13-15)

Tot Ion:	276	Resp:	153467
Ion Ratio		Lower	Upper
276	100		
277	23.4	17.9	26.9
138	24.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:45:03 PM

