

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117576.D
 Acq On : 28 Oct 2019 21:51
 Operator : JU
 Sample : K5563-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Manual Integrations
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Quant Time: Oct 29 18:03:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	42515	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	172750	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	79929	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	105094	20.00	ng	0.00
76) Chrysene-d12	13.90	240	80329	20.00	ng	0.00
87) Perylene-d12	15.33	264	70797	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	216647	75.81	ng	0.00
7) Phenol-d6	6.38	99	292204	76.13	ng	0.00
23) Nitrobenzene-d5	7.29	82	184765	52.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	40258	58.21	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	241995	42.66	ng	-0.01
79) Terphenyl-d14	12.83	244	162099	32.91	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.03	128	35441	4.139	ng	97
50) Dimethylphthalate	9.47	163	48280	8.473	ng	97
52) Acenaphthene	9.79	154	47098	10.475	ng	100
55) Dibenzofuran	9.97	168	40705	6.249	ng	99
58) Fluorene	10.31	166	56008	10.397	ng	97
71) Phenanthrene	11.27	178	601250	98.526	ng	99
72) Anthracene	11.32	178	136945	21.871	ng	97
73) Carbazole	11.49	167	50797	8.877	ng	98
74) Di-n-butylphthalate	11.80	149	30742	4.021	ng	99
75) Fluoranthene	12.47	202	643482	105.333	ng	99
78) Pyrene	12.70	202	516820	74.903	ng	99
81) Benzo(a)anthracene	13.89	228	271498	50.106	ng	98
83) Chrysene	13.92	228	217533	40.963	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	66467	16.764	ng	96
88) Benzo(b)fluoranthene	14.92	252	237065m	56.705	ng	
89) Benzo(k)fluoranthene	14.94	252	69498m	16.219	ng	
90) Benzo(a)pyrene	15.27	252	144848	38.107	ng	98
91) Dibenzo(a,h)anthracene	16.74	278	18193m	5.535	ng	
92) Benzo(a,h,i)perylene	17.17	276	59925	19.270	ng	93

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

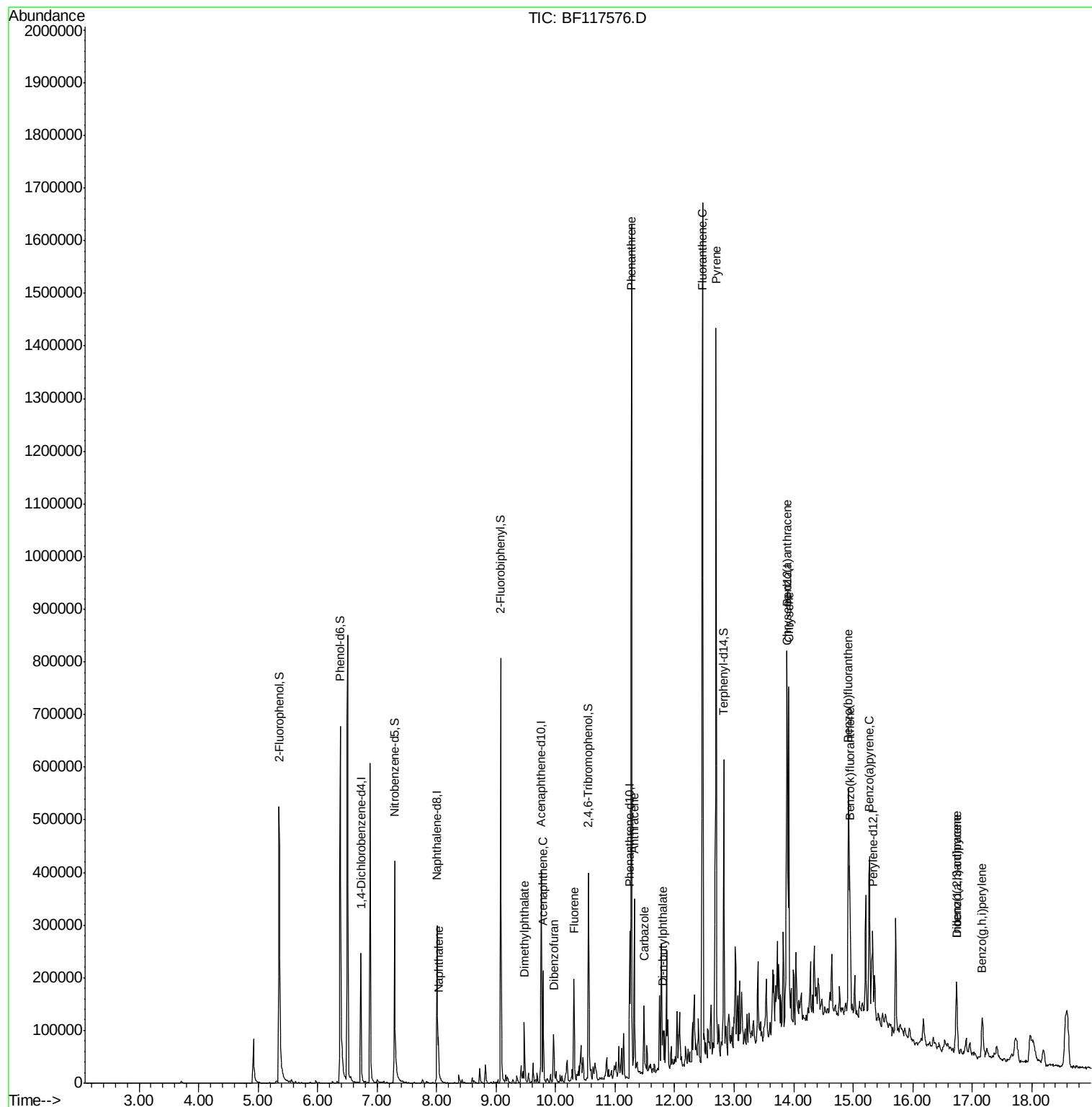
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
Data File : BF117576.D
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ALS Vial : 22 Sample Multiplier: 1

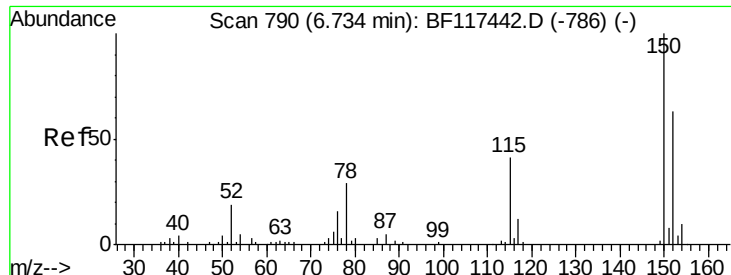
Instrument :
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Quant Time: Oct 29 18:03:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration





#1

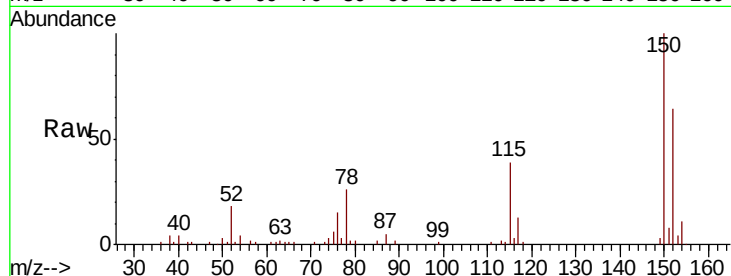
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.8	190.2
115	61.6	51.6	77.4

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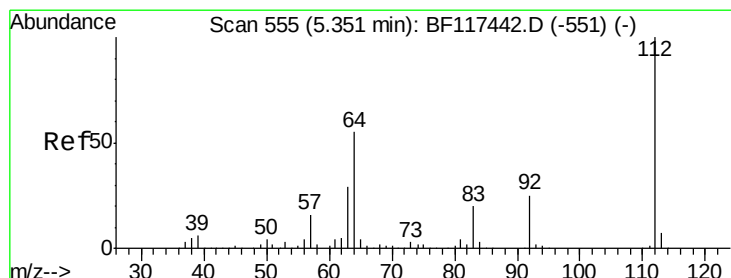
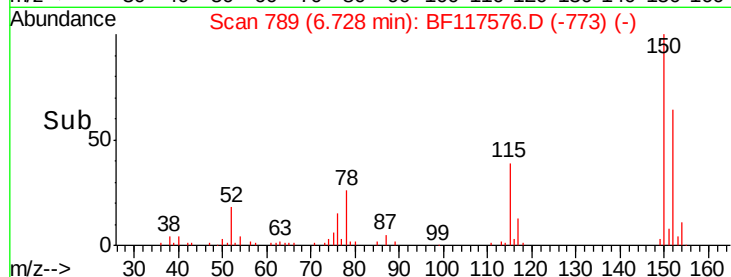
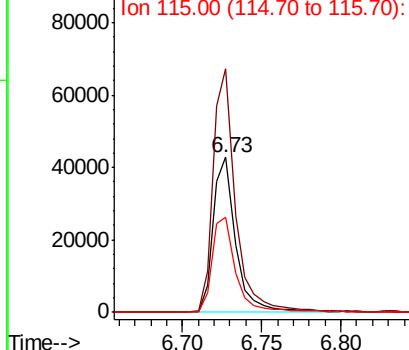


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

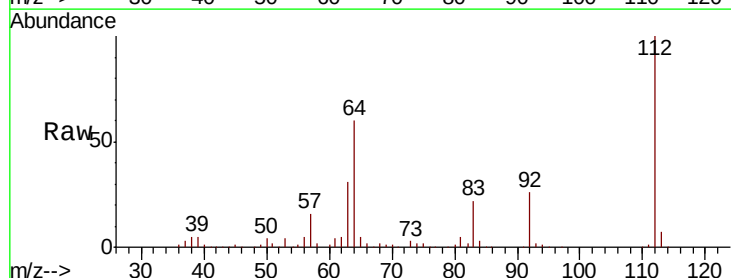
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 75.810 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	44.1	66.1
63	30.9	23.4	35.2

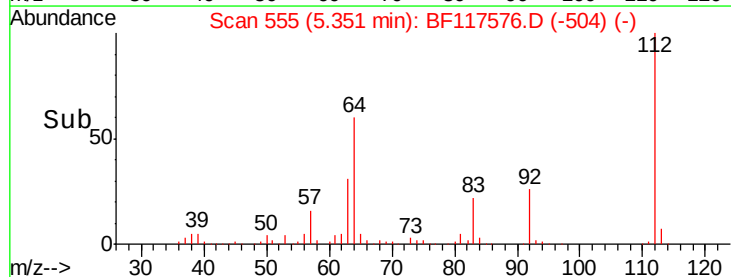
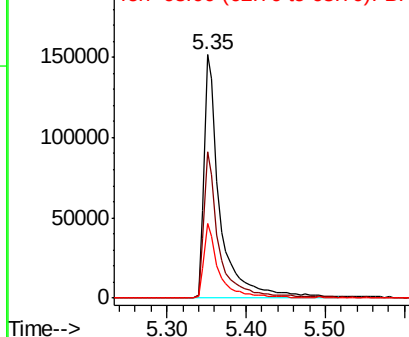


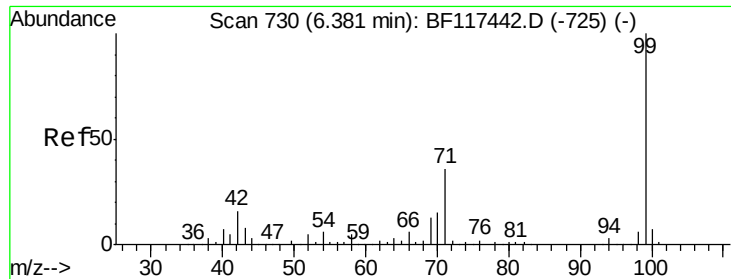
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.129 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117576.D

Acq: 28 Oct 2019 21:51

Instrument :

BNA_F

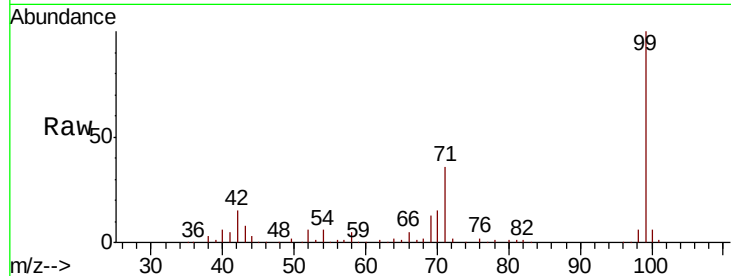
ClientSampleId :

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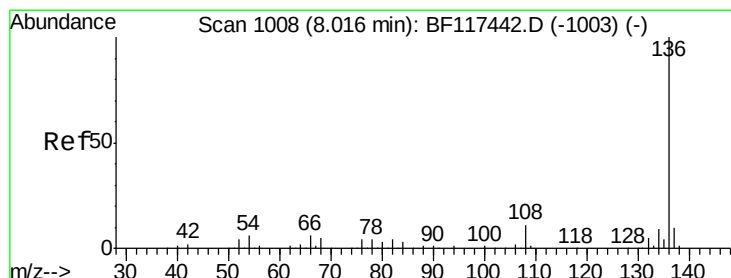
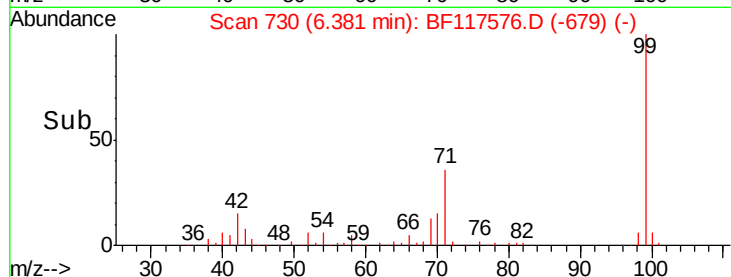
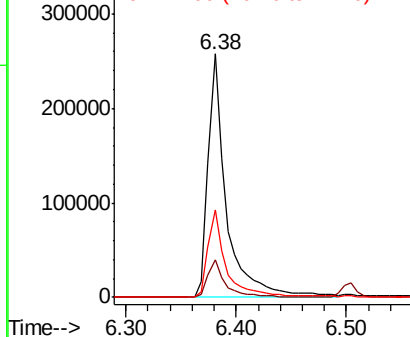
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		292204		
42	15.3	12.8	19.2		
71	35.8	28.6	43.0		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

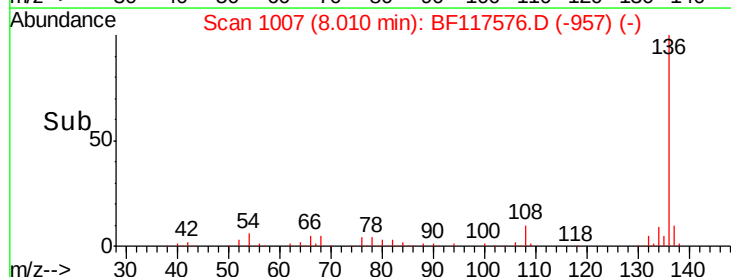
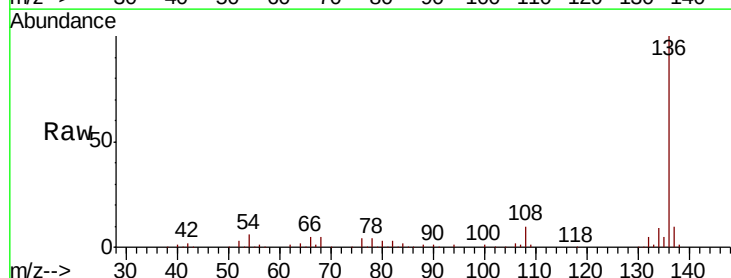
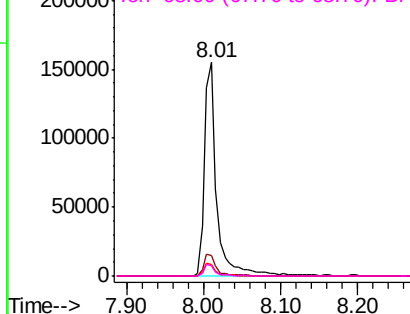
Delta R.T. -0.01 min

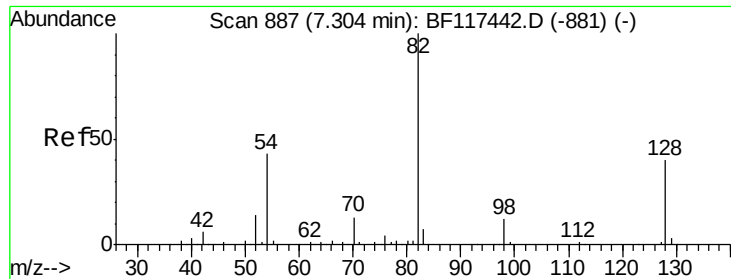
Lab File: BF117576.D

Acq: 28 Oct 2019 21:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		172750		
137	9.7	8.2	12.4		
54	5.6	4.5	6.7		
68	4.7	4.3	6.5		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





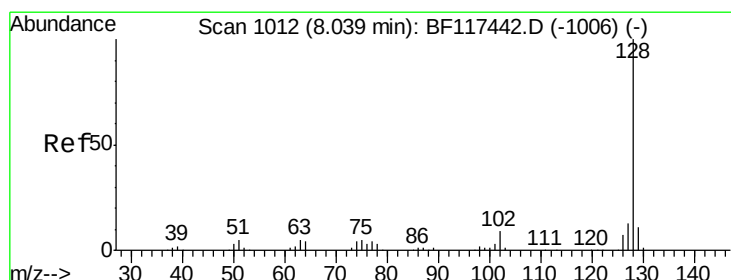
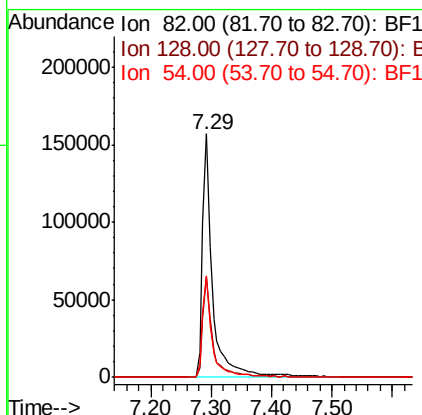
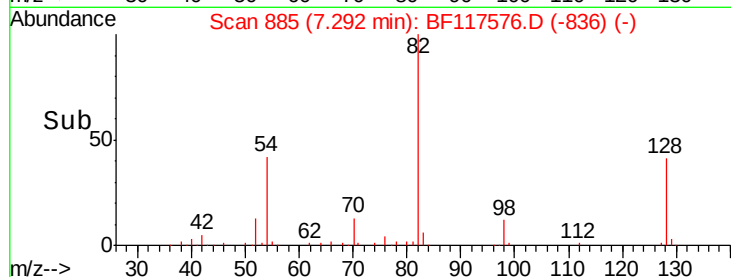
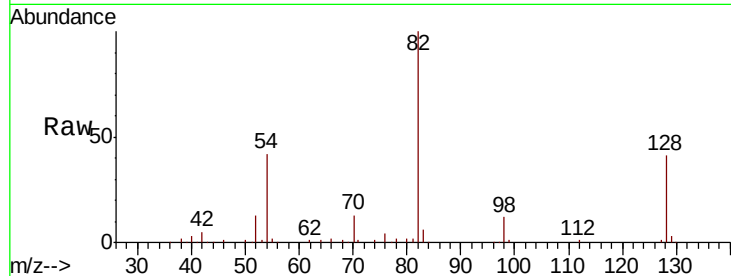
#23
 Nitrobenzene-d5
 Concen: 52.801 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.2	48.2
54	41.7	34.2	51.2

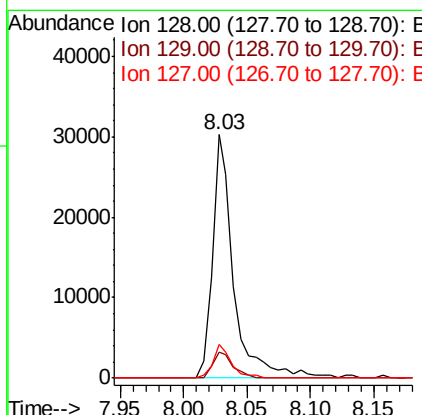
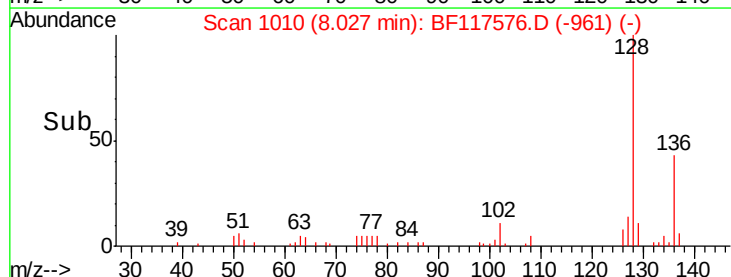
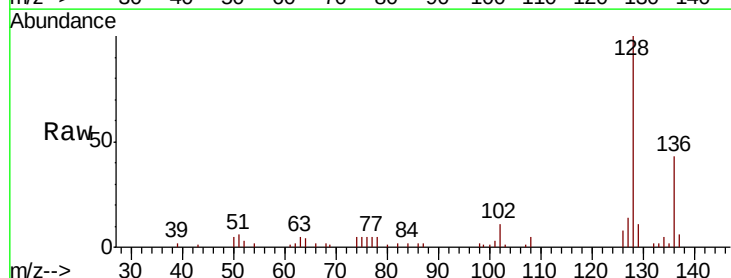
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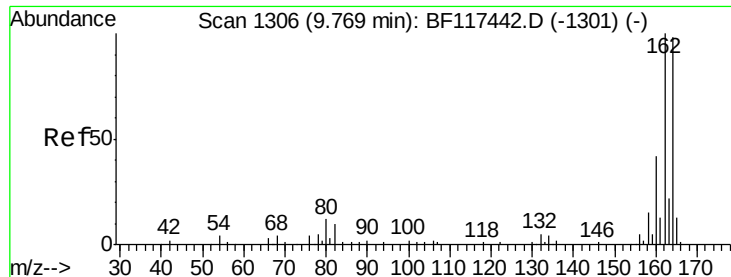
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#31
 Naphthalene
 Concen: 4.139 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	14.1	10.2	15.2





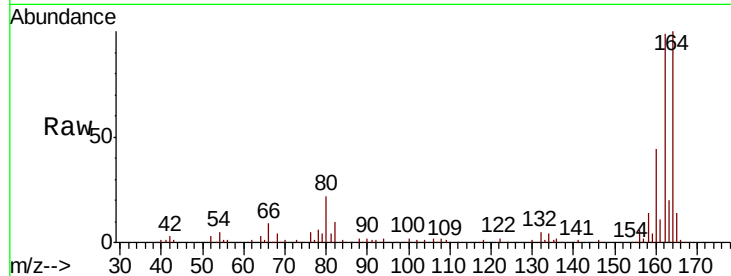
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.8	122.6
160	43.8	34.4	51.6

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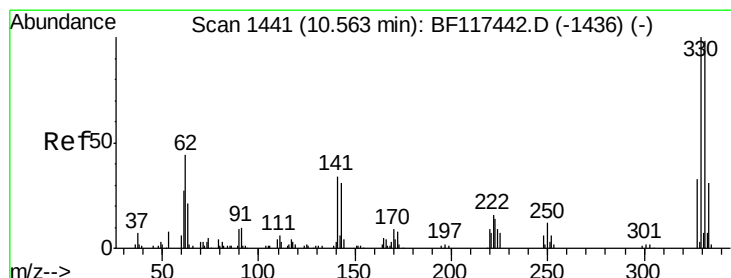
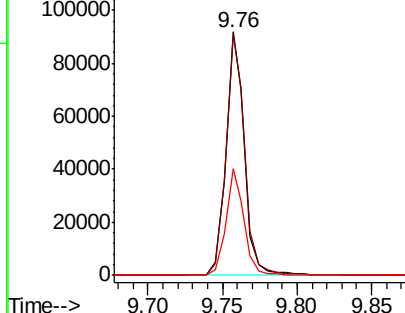
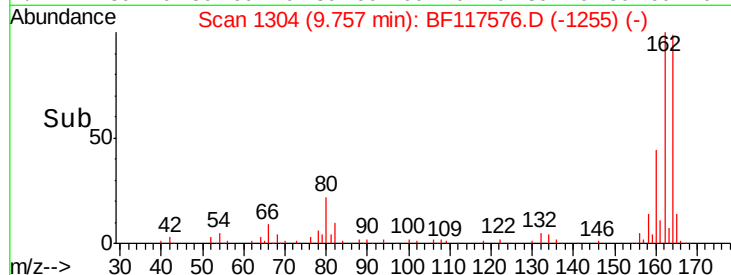


Abundance

Ion 164.00 (163.70 to 164.70): E

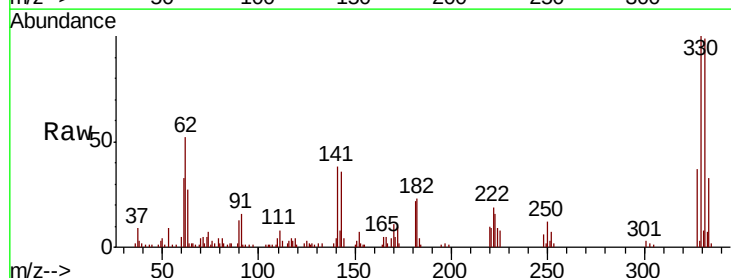
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 58.211 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.5	117.7
141	47.4	37.0	55.6

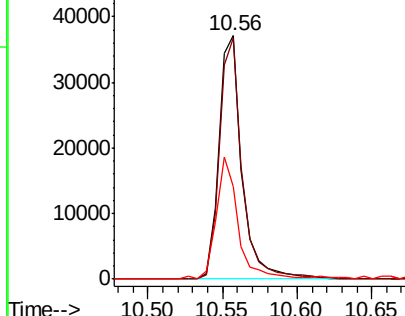
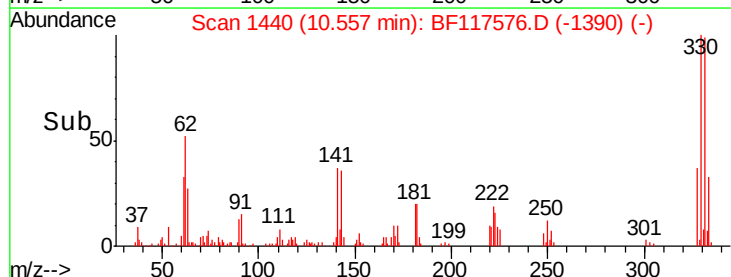


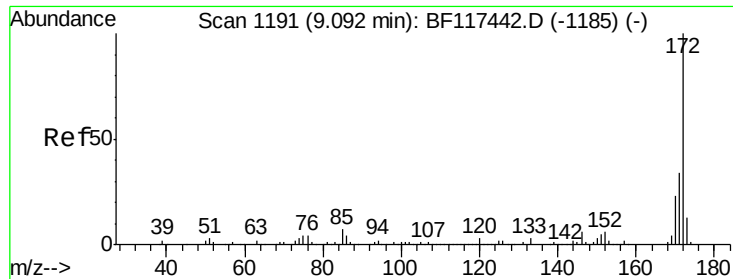
Abundance

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





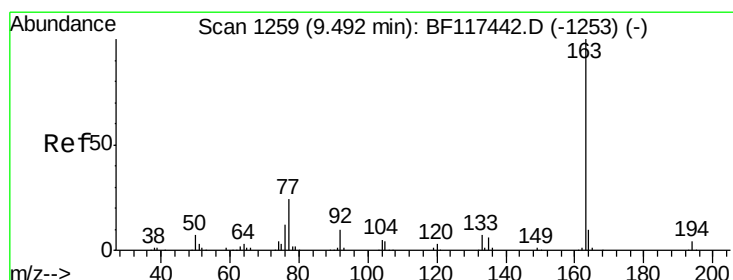
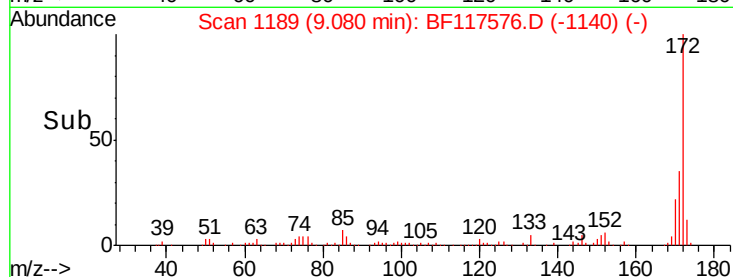
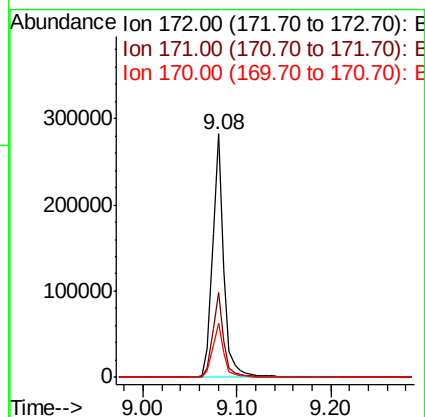
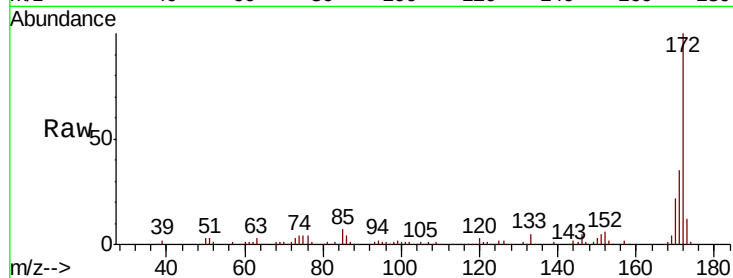
#45
2-Fluorobiphenyl
Concen: 42.659 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	241995		
171	34.6		27.5	41.3
170	22.2		18.6	27.8

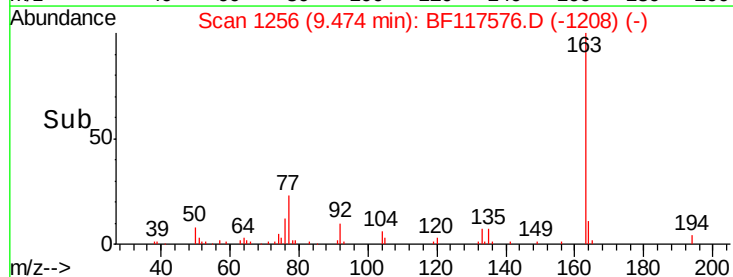
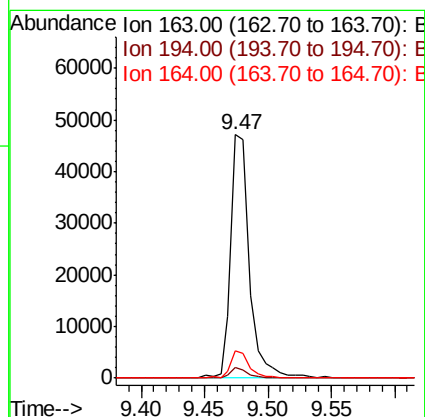
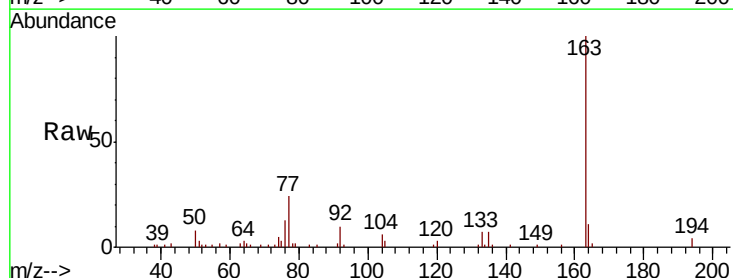
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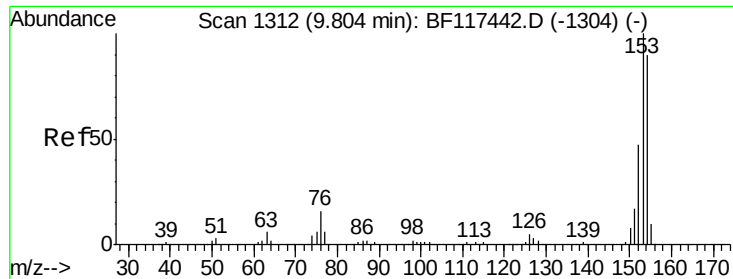
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#50
Dimethylphthalate
Concen: 8.473 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	48280		
194	4.2		2.9	4.3
164	11.4		8.2	12.2





#52

Acenaphthene

Concen: 10.475 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117576.D

Acq: 28 Oct 2019 21:51

Instrument :

BNA_F

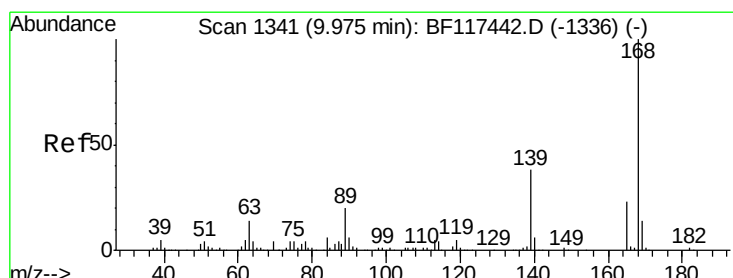
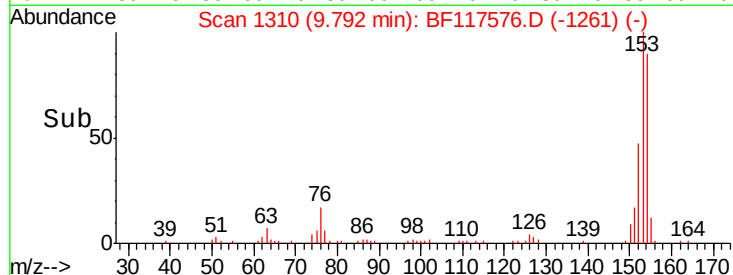
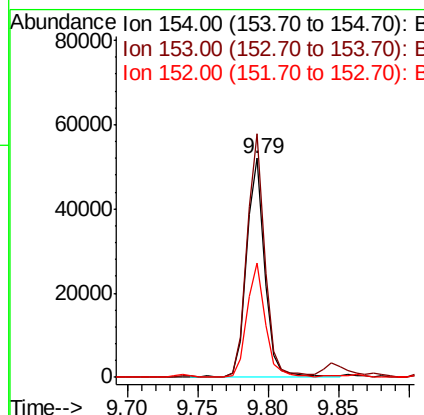
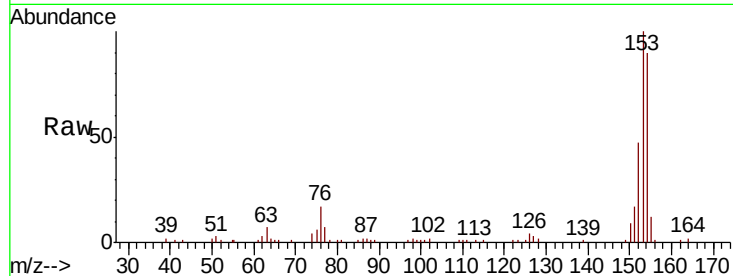
ClientSampleId :

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Tot Ion:	154	Resp:	47098
Ion Ratio	Lower	Upper	
154	100		
153	111.0	89.2	133.8
152	52.3	41.8	62.6

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#55

Dibenzofuran

Concen: 6.249 ng

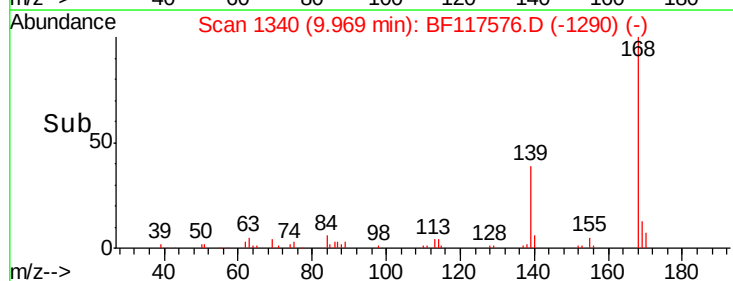
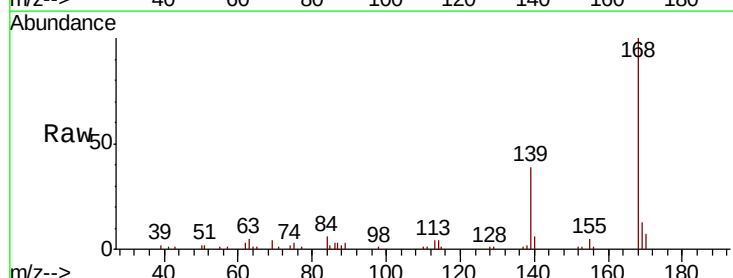
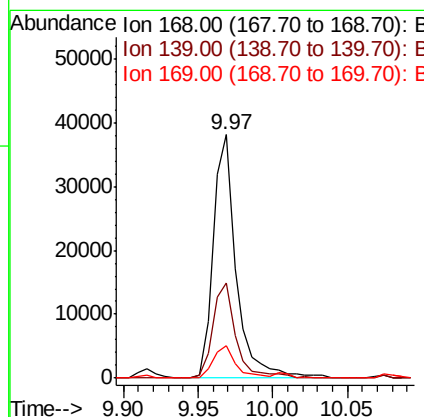
RT: 9.97 min Scan# 1340

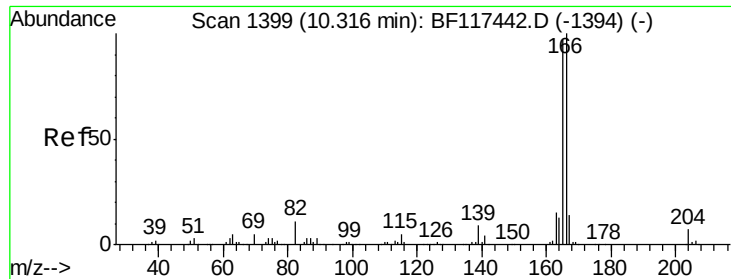
Delta R.T. -0.01 min

Lab File: BF117576.D

Acq: 28 Oct 2019 21:51

Tgt Ion:	168	Resp:	40705
Ion Ratio	Lower	Upper	
168	100		
139	38.8	31.8	47.6
169	13.3	11.2	16.8





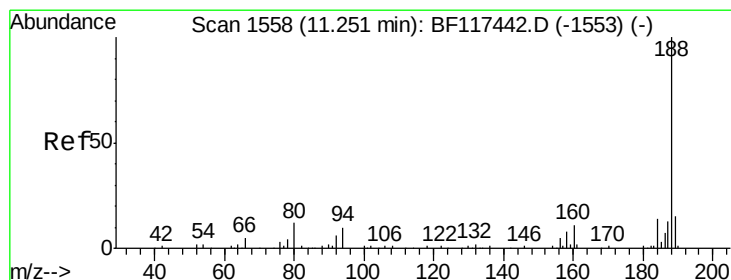
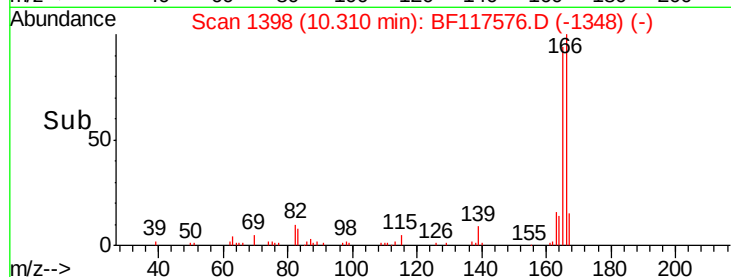
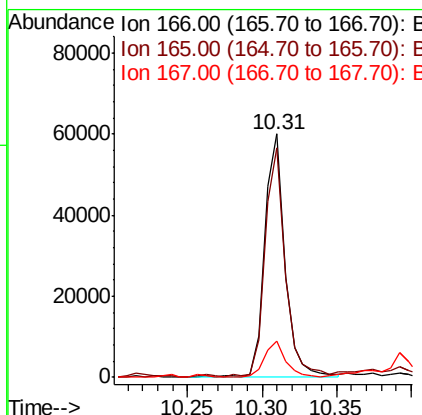
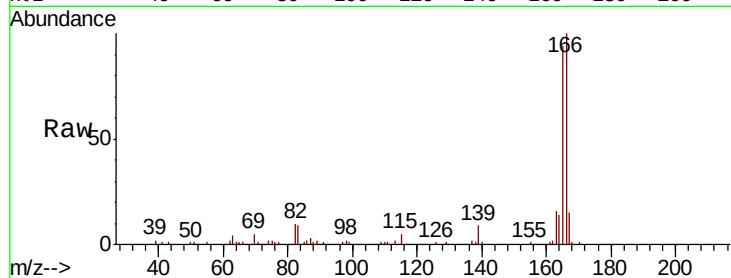
#58
 Fluorene
 Concen: 10.397 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		56008		
165	94.4	77.6	116.4		
167	14.9	11.0	16.4		

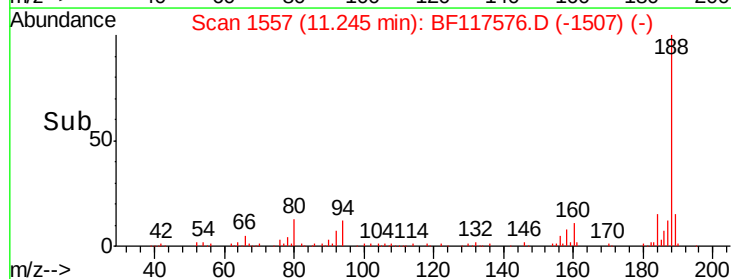
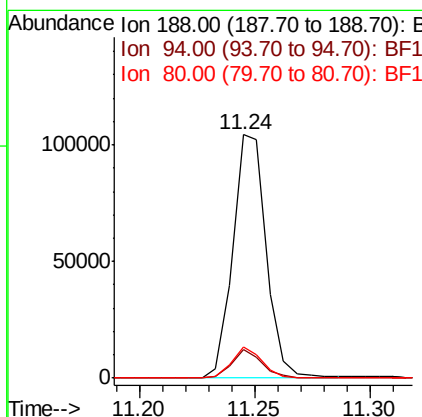
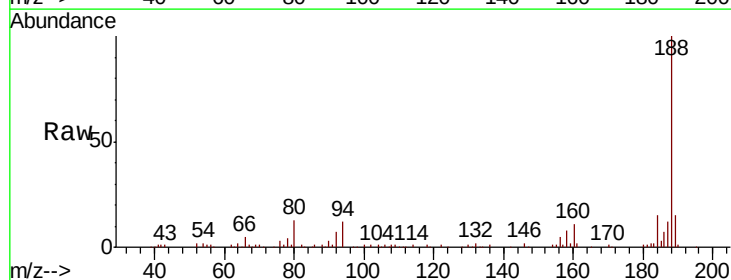
Manual Integrations
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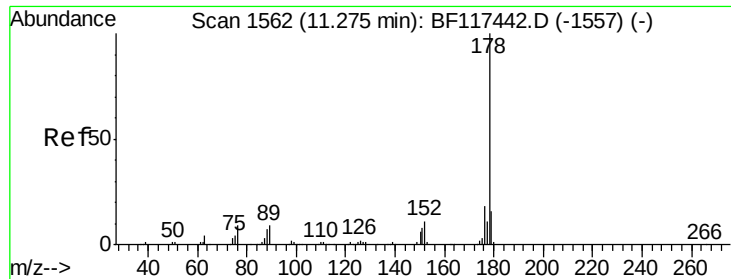
mohammad
 10/30/2019 4:51:44 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		105094		
94	11.8	8.0	12.0		
80	12.7	9.5	14.3		





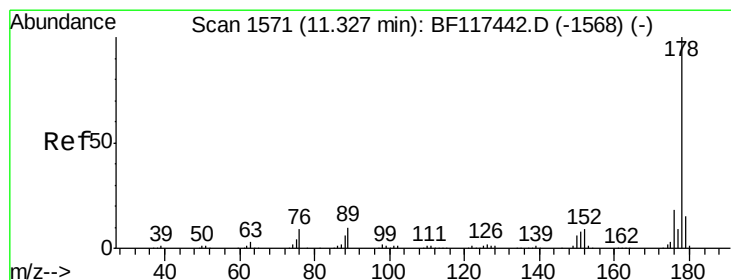
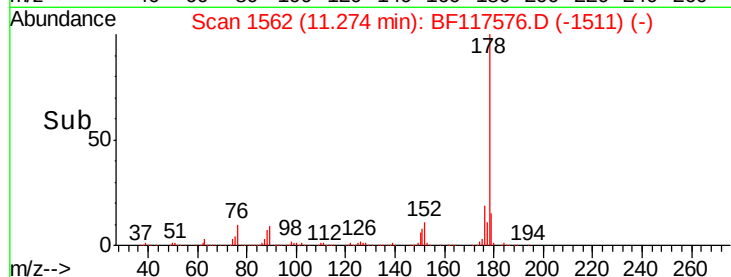
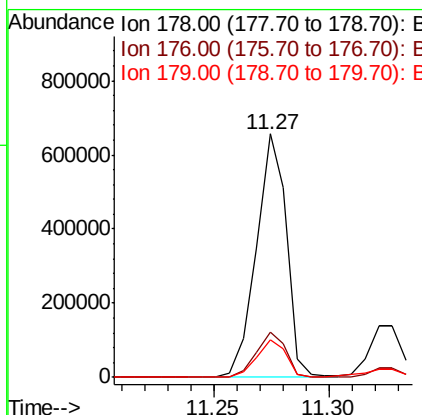
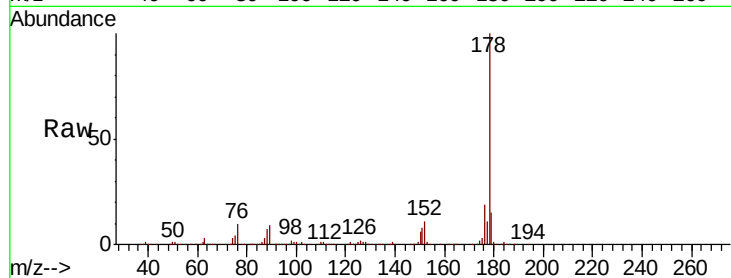
#71
Phenanthrene
Concen: 98.526 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.4	12.6	19.0

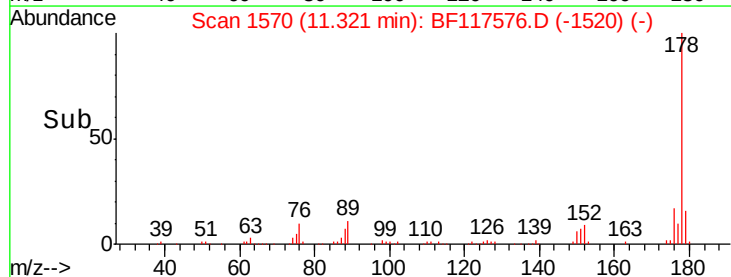
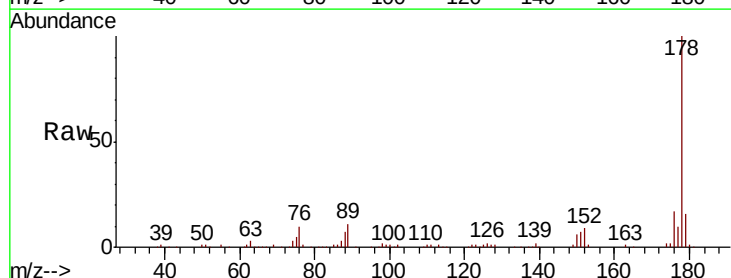
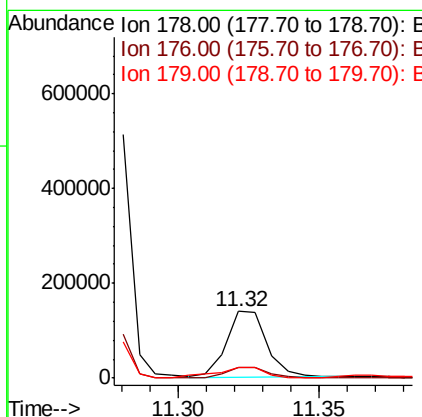
Manual Integrations
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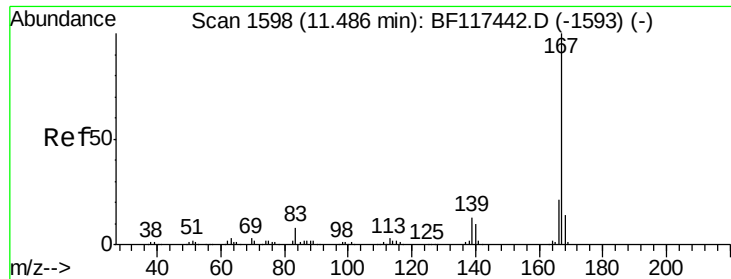
mohammad
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#72
Anthracene
Concen: 21.871 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	14.7	22.1
179	16.4	12.2	18.2





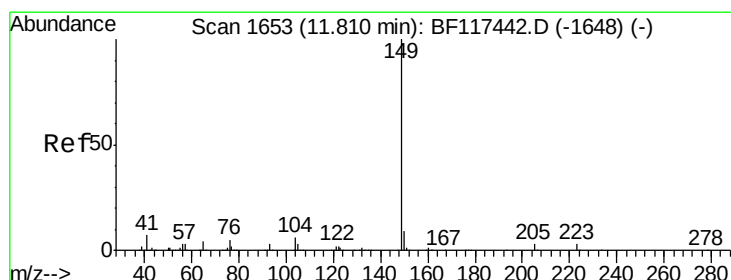
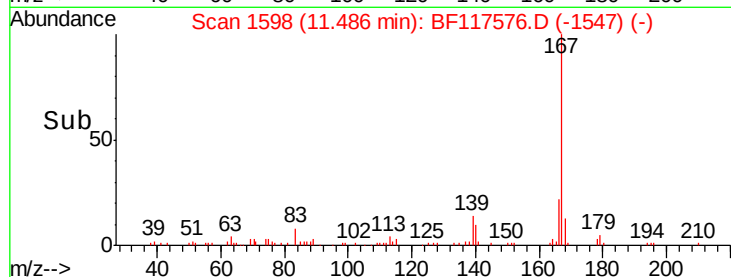
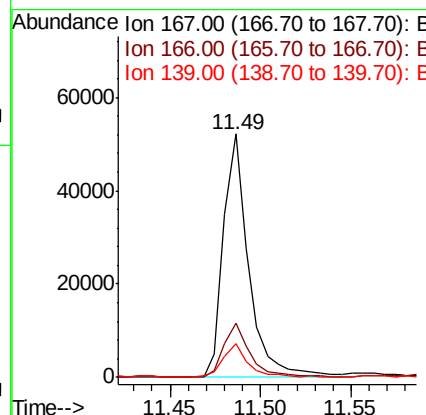
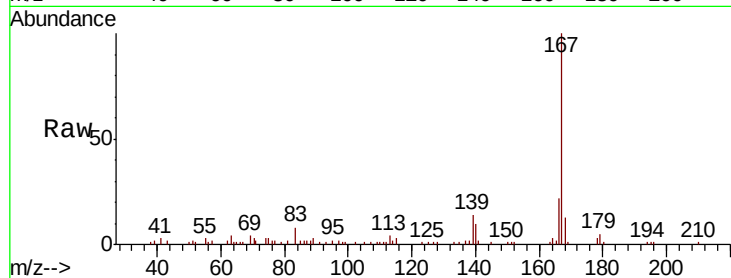
#73
 Carbazole
 Concen: 8.877 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	14.1	10.6	16.0

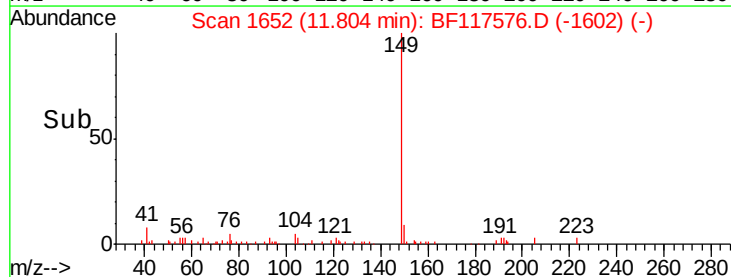
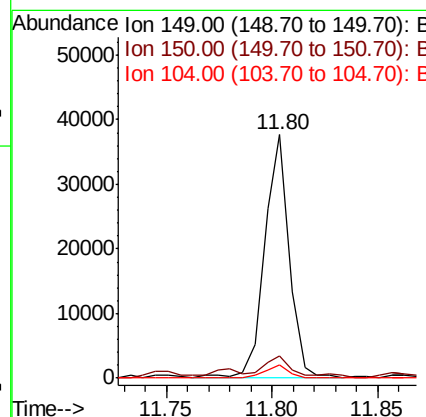
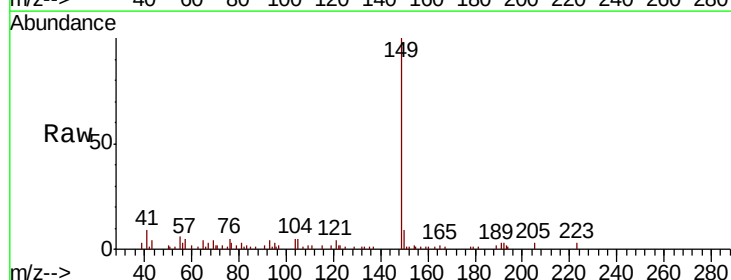
Manual Integrations
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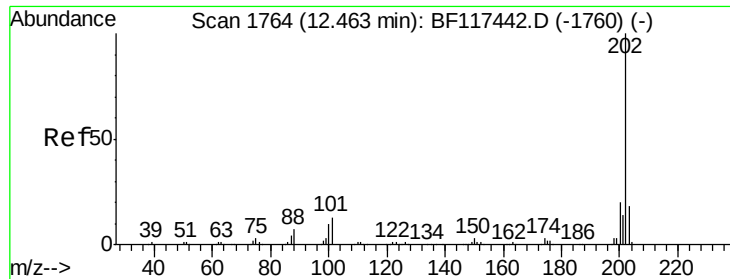
mohammad
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#74
 Di-n-butylphthalate
 Concen: 4.021 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. -0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.3	4.6	6.8





#75

Fluoranthene

Concen: 105.333 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117576.D

Acq: 28 Oct 2019 21:51

Instrument :

BNA_F

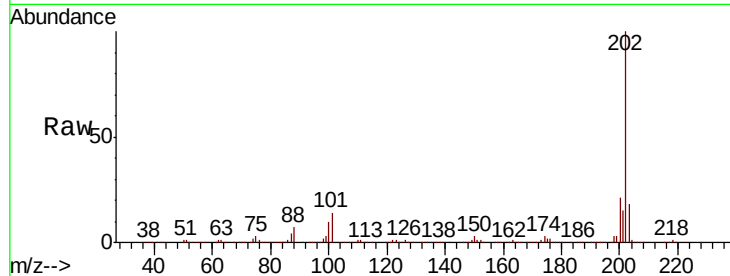
ClientSampleId :

STOCKPILE

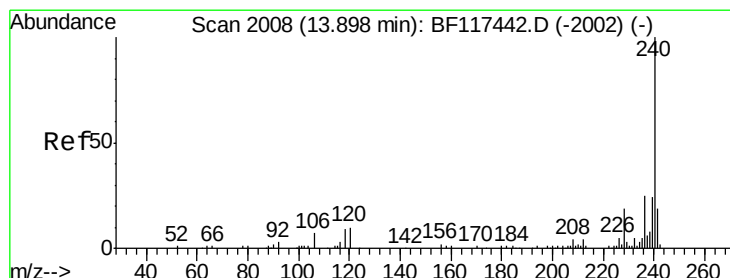
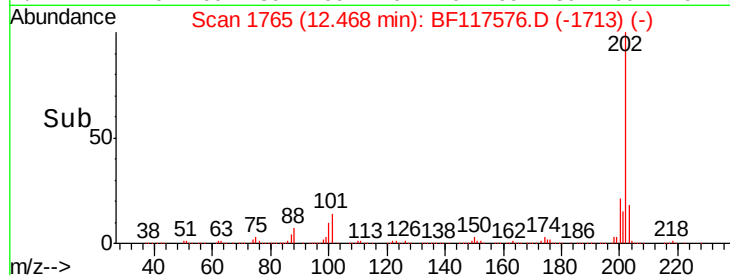
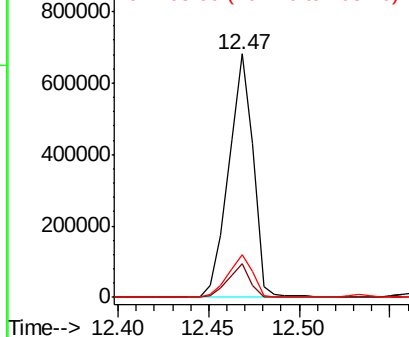
Tot Ion:	202	Resp:	643482
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	32.7
203	17.7	0.0	37.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

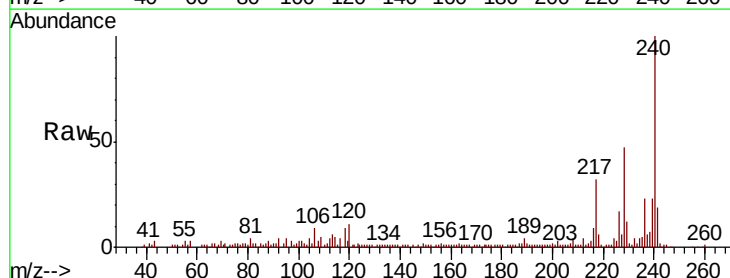
RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

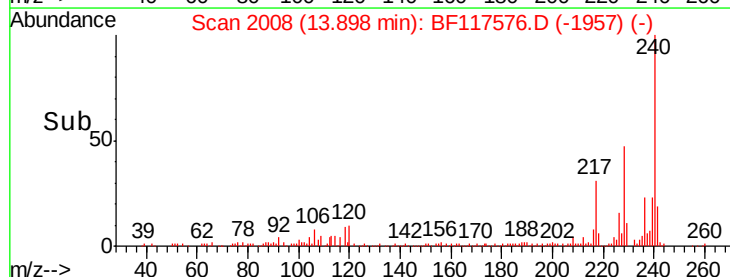
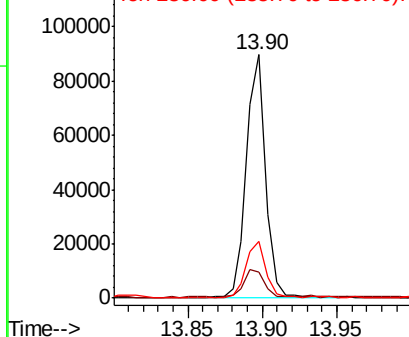
Lab File: BF117576.D

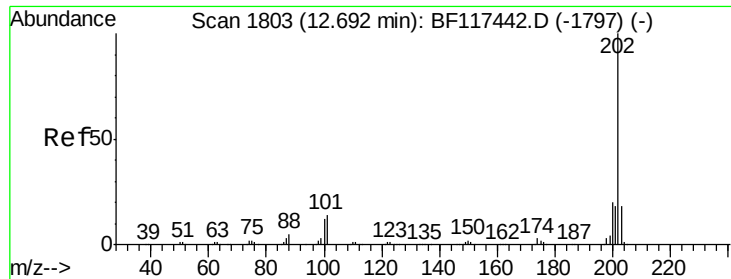
Acq: 28 Oct 2019 21:51

Tgt Ion:	240	Resp:	80329
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.4	12.6
236	23.3	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





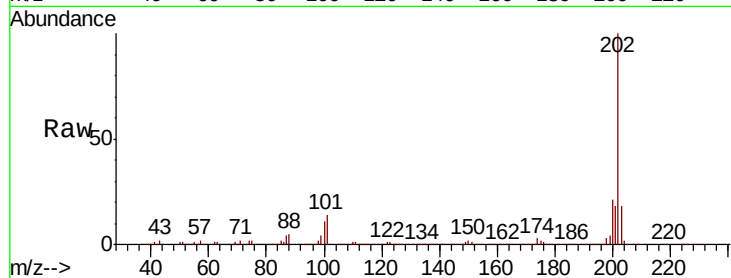
#78
Pvrene
Concen: 74.903 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.2
203	17.5	14.0	21.0

Manual Integrations
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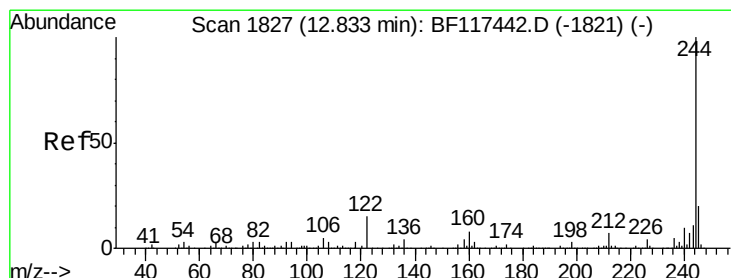
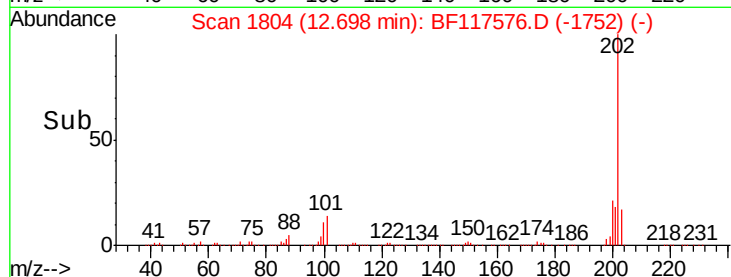
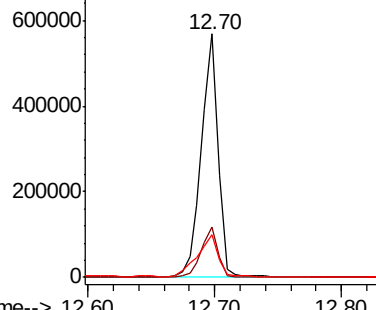


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 32.915 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

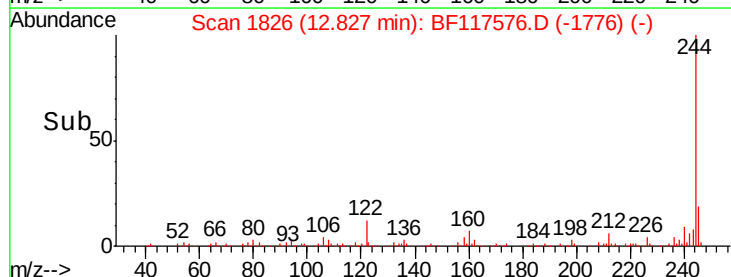
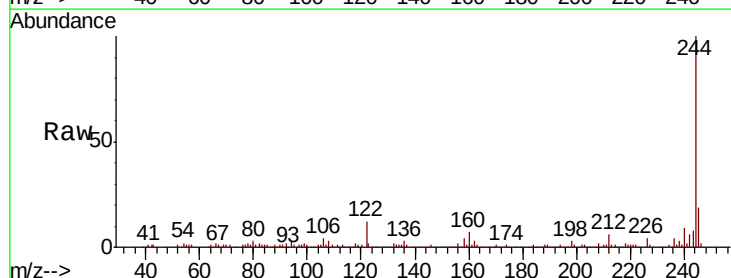
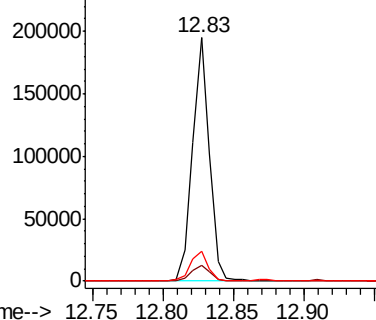
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	12.4	11.8	17.8

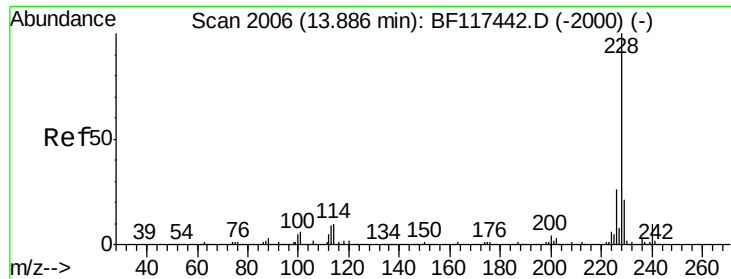
Abundance

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





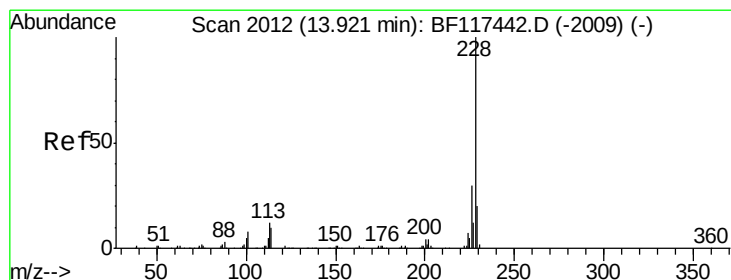
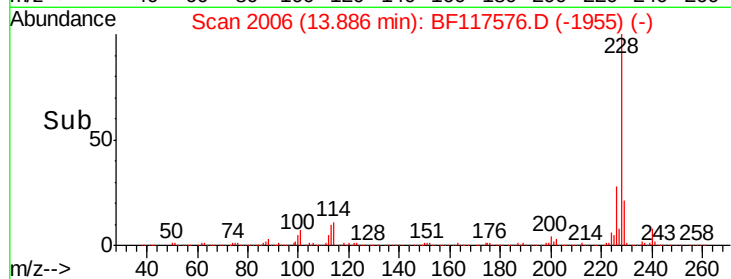
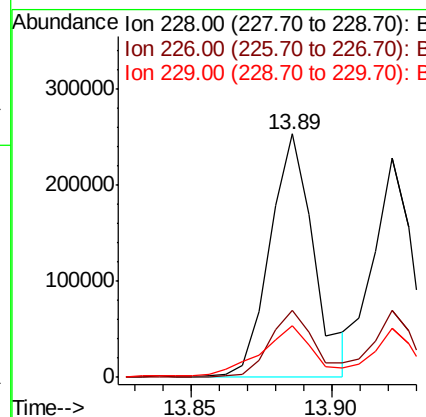
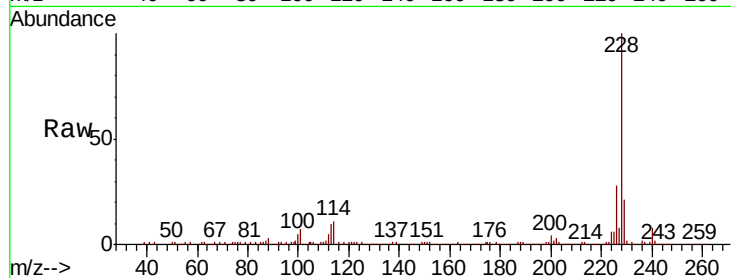
#81
Benzo(a)anthracene
Concen: 50.106 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.0	31.4
229	21.0	16.4	24.6

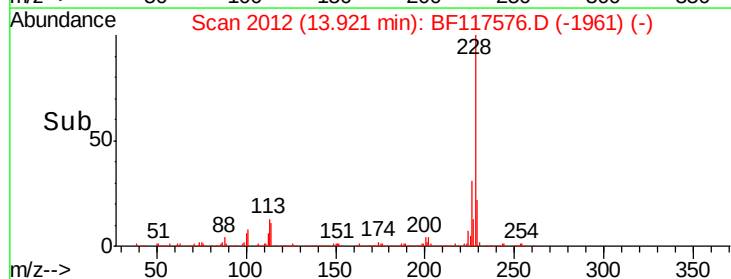
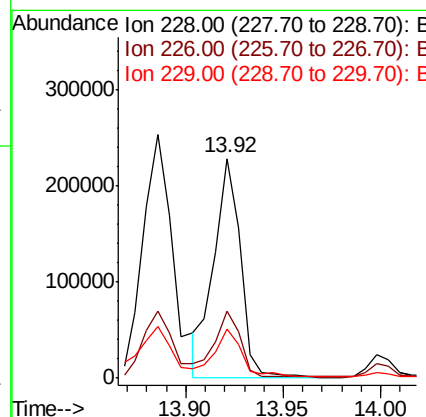
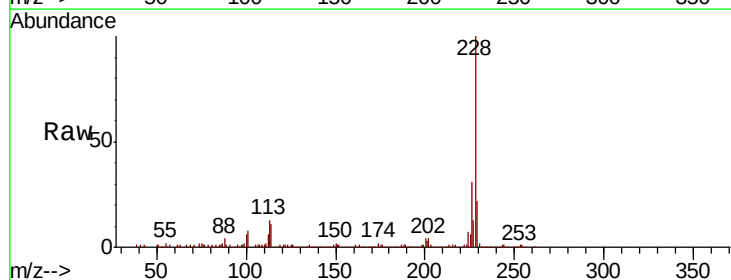
Manual Integrations
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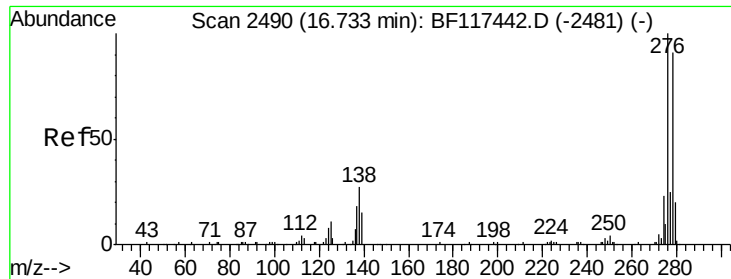
mohammad
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#83
Chrysene
Concen: 40.963 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	22.3	15.8	23.6





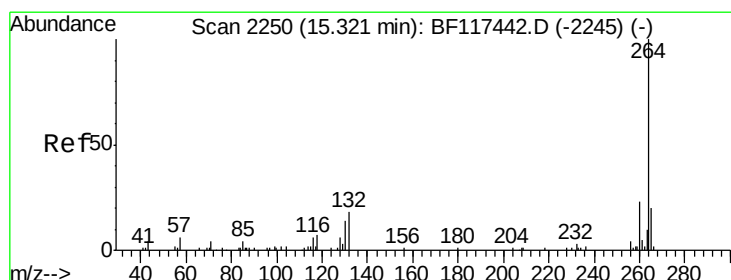
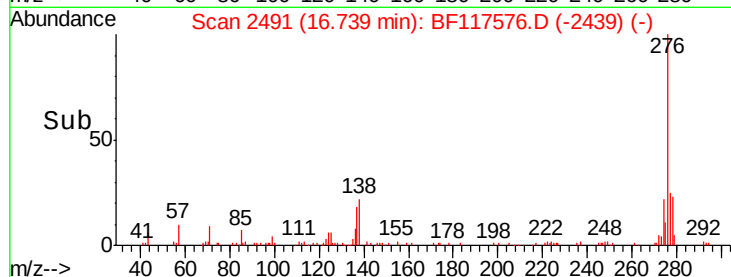
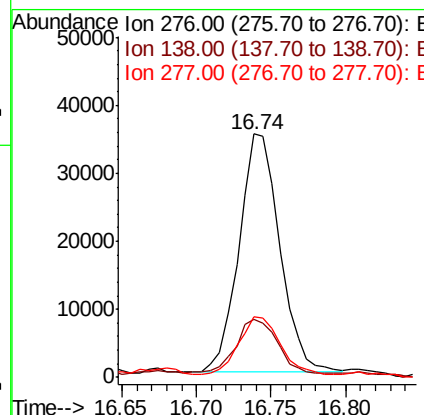
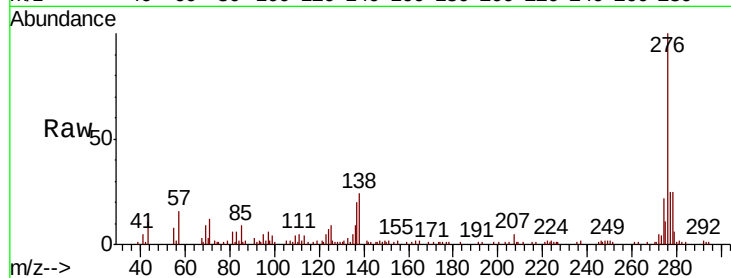
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 16.764 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. 0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	21.8	32.8
277	24.7	20.0	30.0

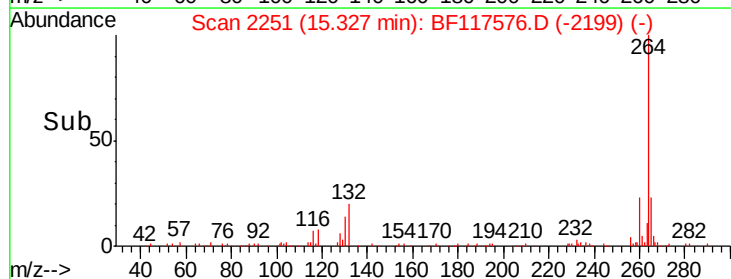
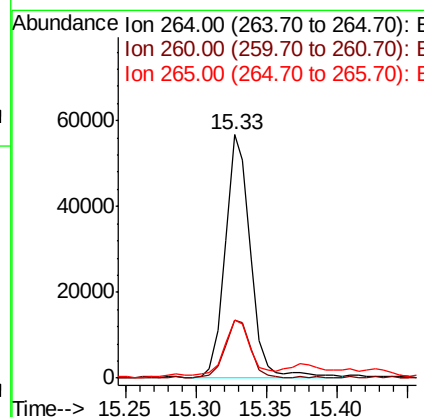
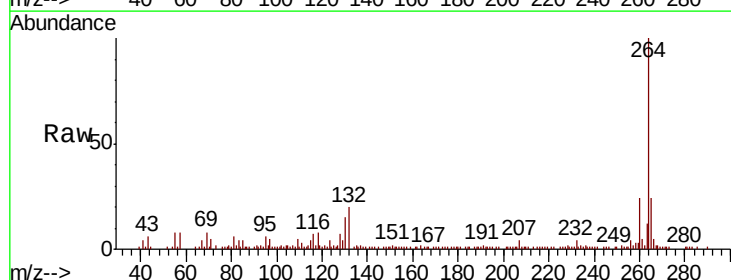
Manual Integrations
 APPROVED

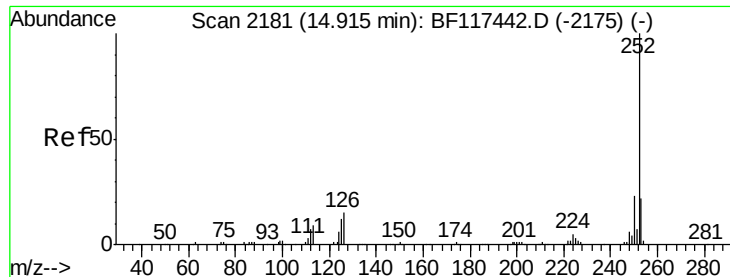
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	23.7	16.1	24.1





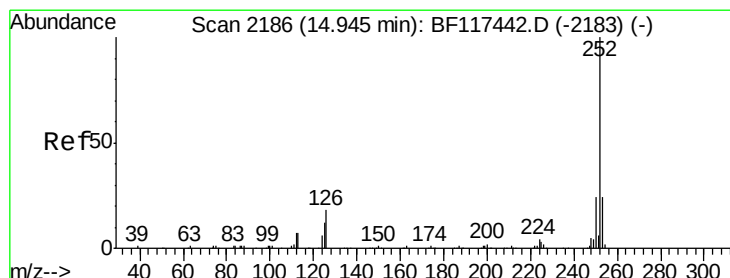
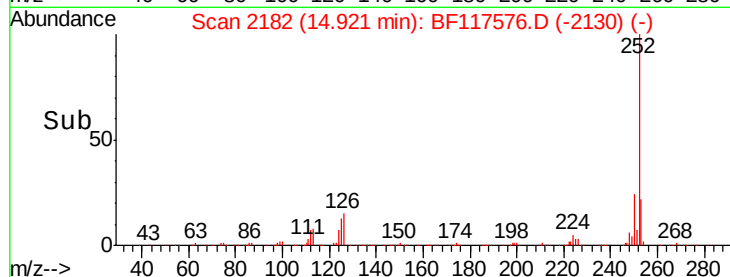
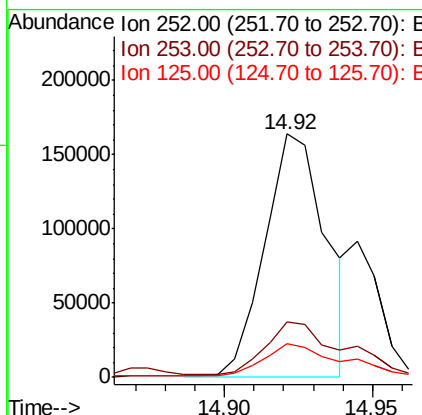
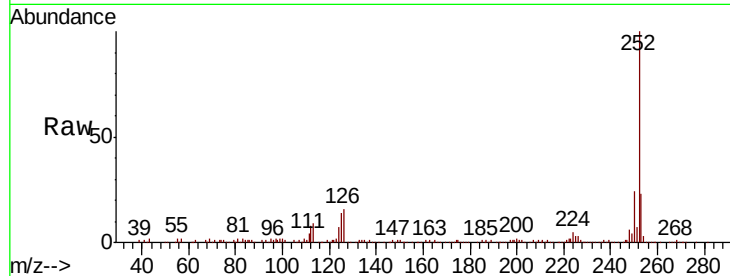
#88
Benzo(b)fluoranthene
Concen: 56.705 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	13.6	9.9	14.9

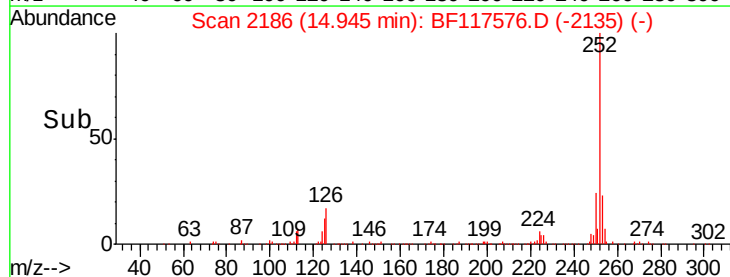
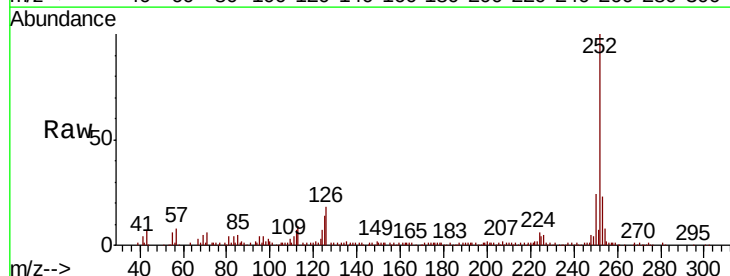
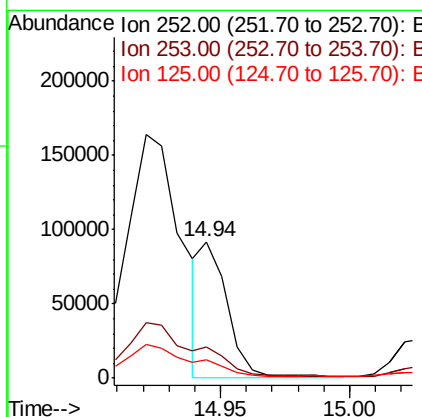
Manual Integrations
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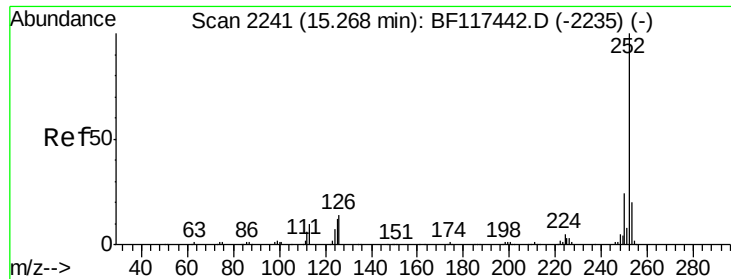
mohammad
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#89
Benzo(k)fluoranthene
Concen: 16.219 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.7	8.9	13.3





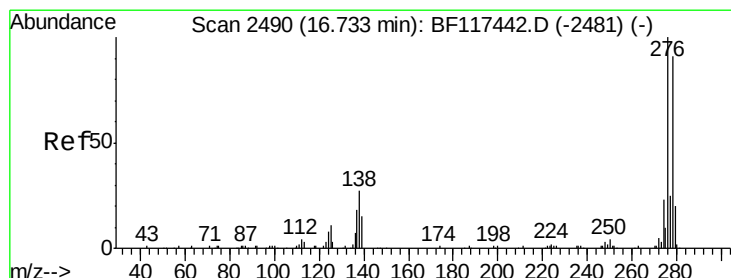
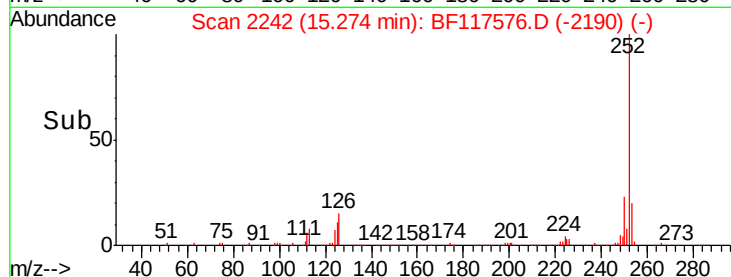
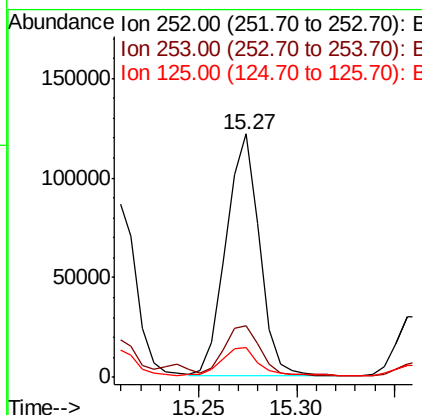
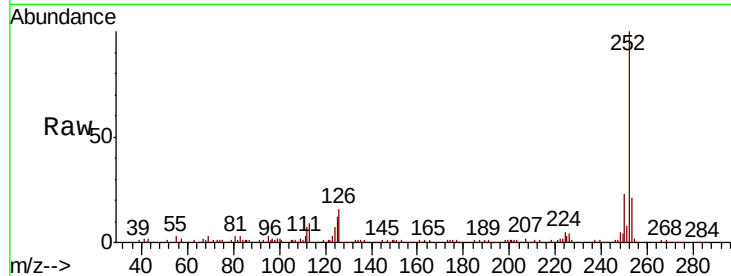
#90
Benzo(a)pyrene
Concen: 38.107 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.3	24.5
125	12.4	9.2	13.8

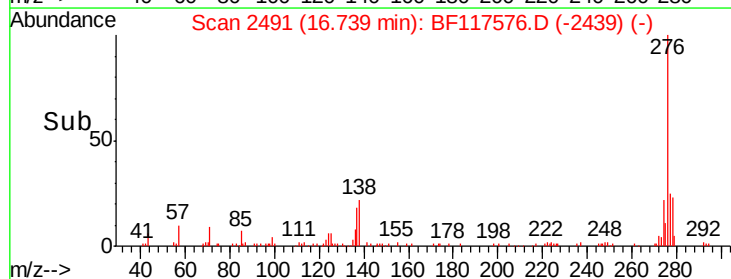
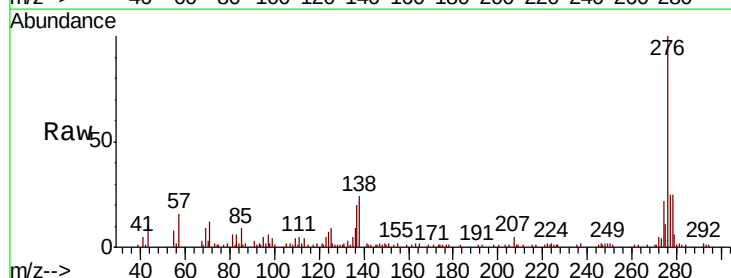
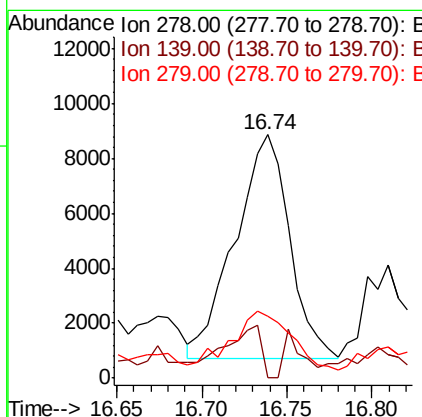
Manual Integrations
APPROVED

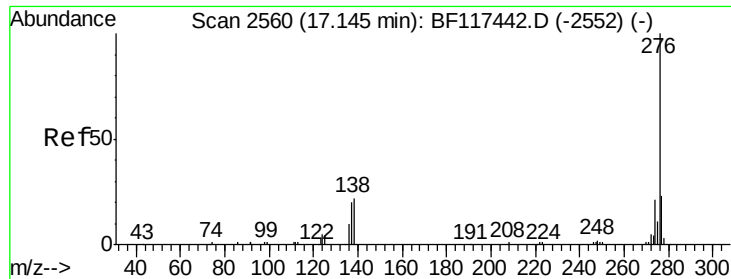
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#91
Dibenzo(a,h)anthracene
Concen: 5.535 ng m
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117576.D
Acq: 28 Oct 2019 21:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	25.5	17.8	26.6





#92
 Benzo(a,h,i)perylene
 Concen: 19.270 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.02 min
 Lab File: BF117576.D
 Acq: 28 Oct 2019 21:51

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tot Ion:	276	Resp:	59925
Ion Ratio		Lower	Upper
276	100		
277	25.8	18.4	27.6
138	25.7	17.8	26.6

Manual Integrations
 APPROVED

mohammad
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