Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
Data File : BF126220.D
Acq On : 16 Dec 2021 19:45
Operator : JU/CG
Sample : M4927-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Quant Time: Dec 17 01:47:37 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	185648	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	777146	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	346758	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	499428	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	360344	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	287717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1242453	98.557	ng	0.00
7) Phenol-d6	6.439	99	1594925	99.640	ng	0.00
23) Nitrobenzene-d5	7.375	82	1002730	69.880	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	246019	88.283	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1384956	70.050	ng	0.00
79) Terphenyl-d14	12.921	244	1088167	52.488	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.445	94	39941	2.223	ng	96

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

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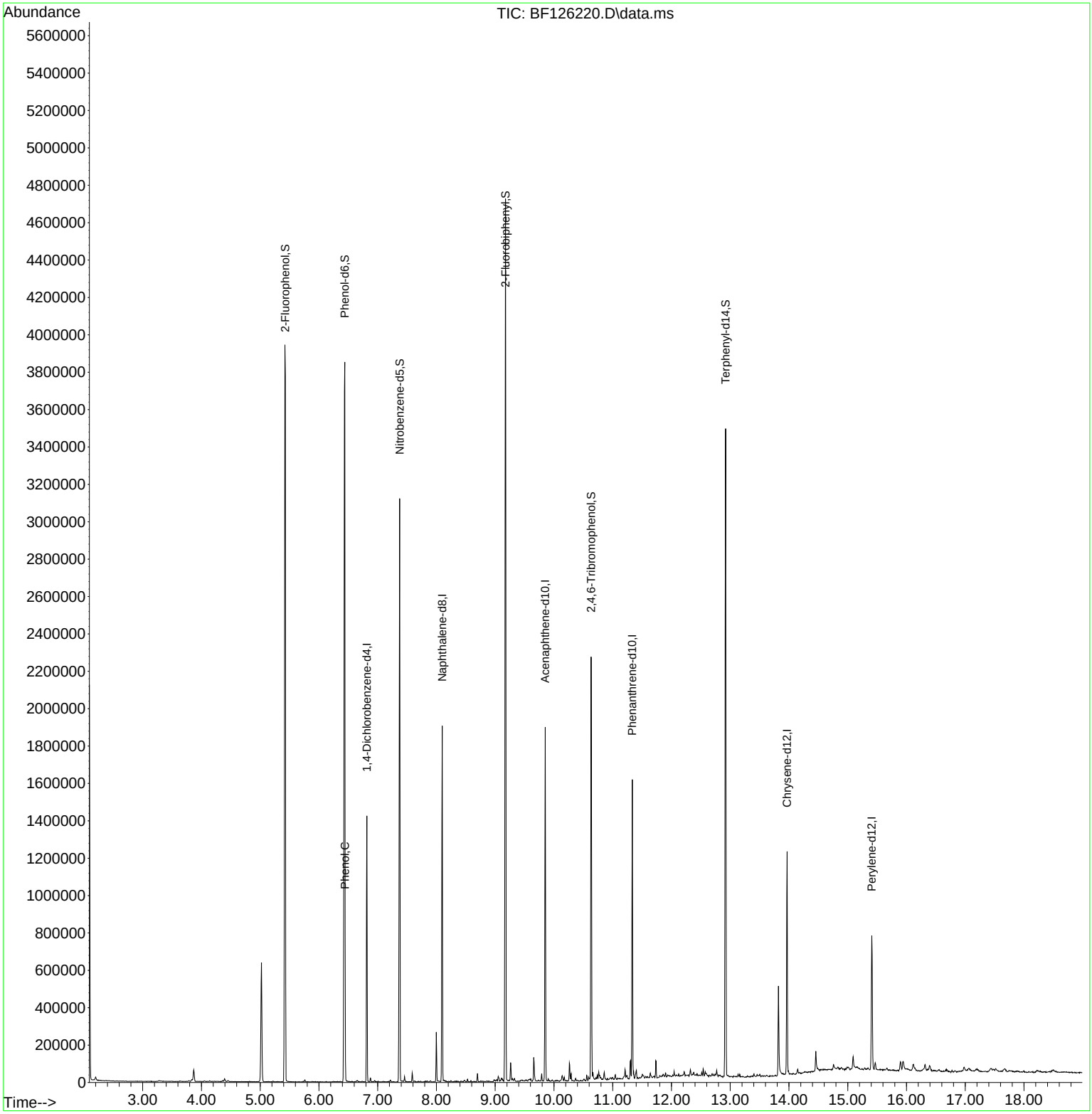
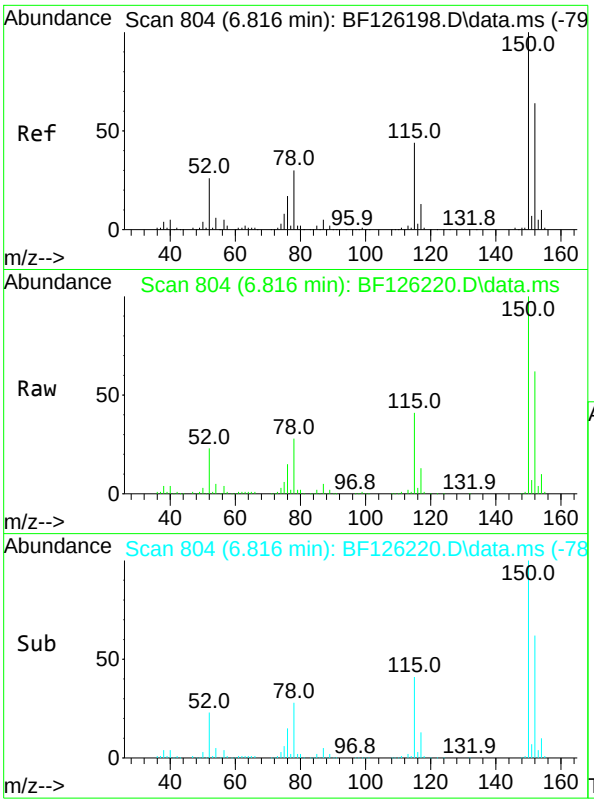


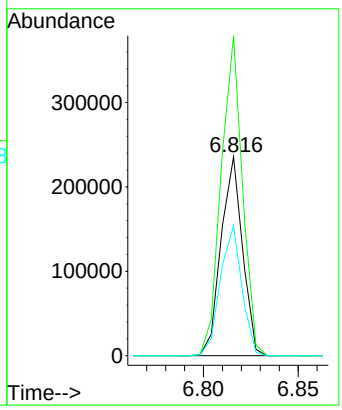


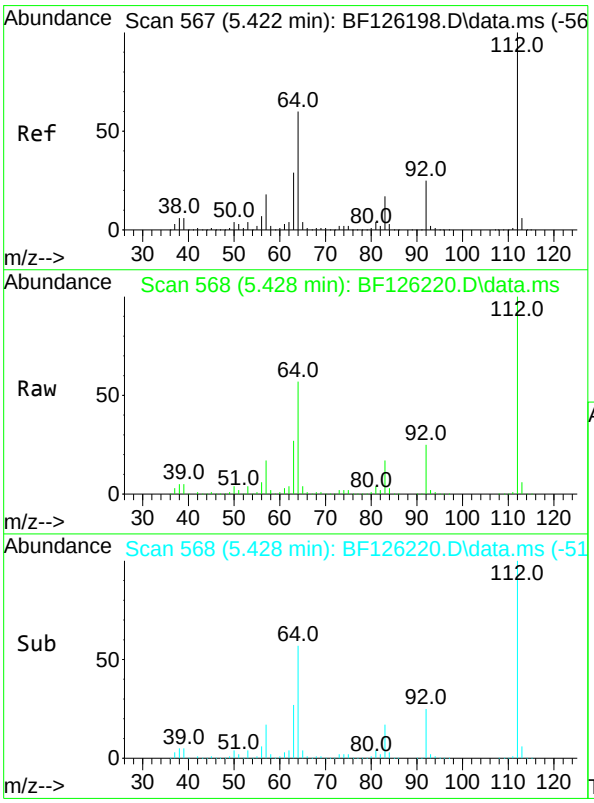
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion:152 Resp: 185648

Ion	Ratio	Lower	Upper
152	100		
150	160.9	117.6	176.4
115	65.4	47.1	70.7

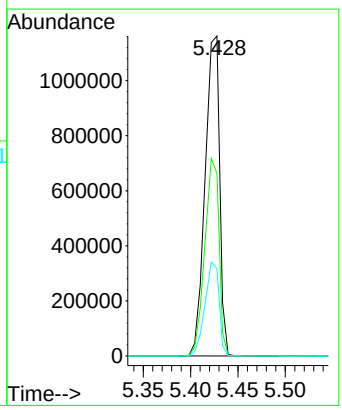


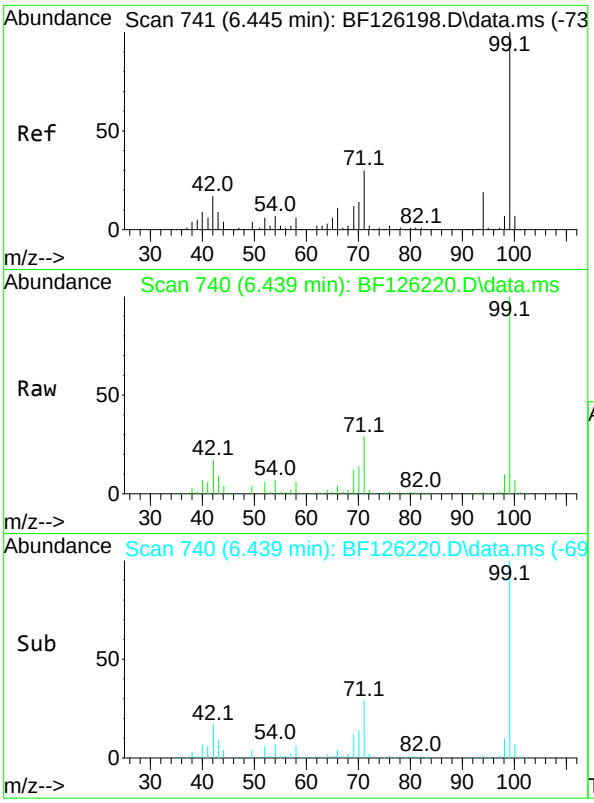


#5
2-Fluorophenol
Concen: 98.557 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Tgt Ion:112 Resp: 1242453

Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.2	66.2
63	27.3	26.2	39.2



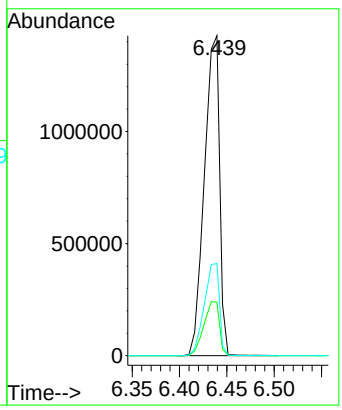


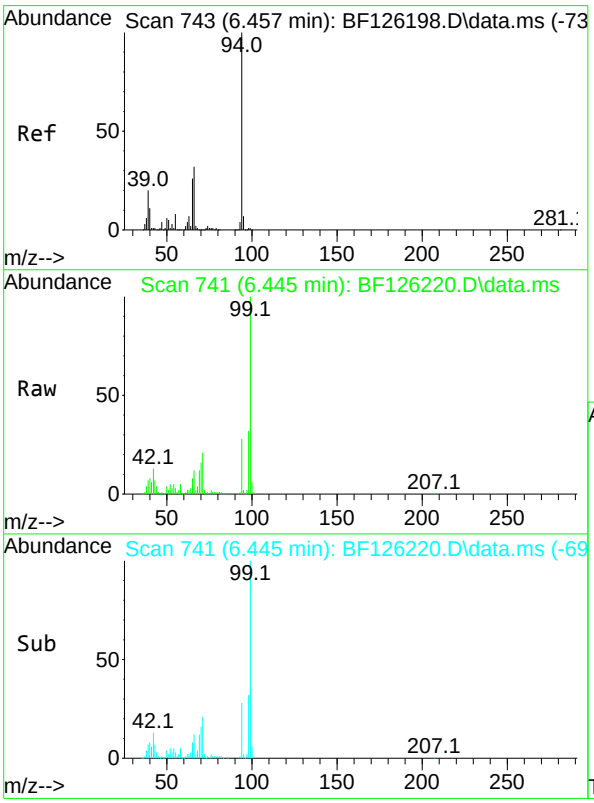
#7
Phenol-d6
Concen: 99.640 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion: 99 Resp: 1594925

Ion	Ratio	Lower	Upper
99	100		
42	16.7	23.5	35.3#
71	28.8	25.6	38.4

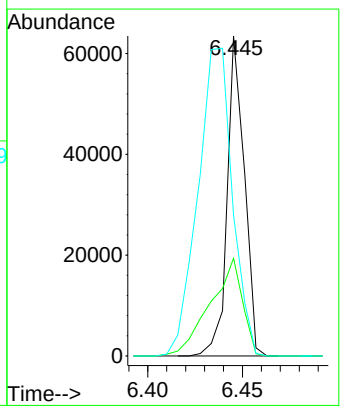


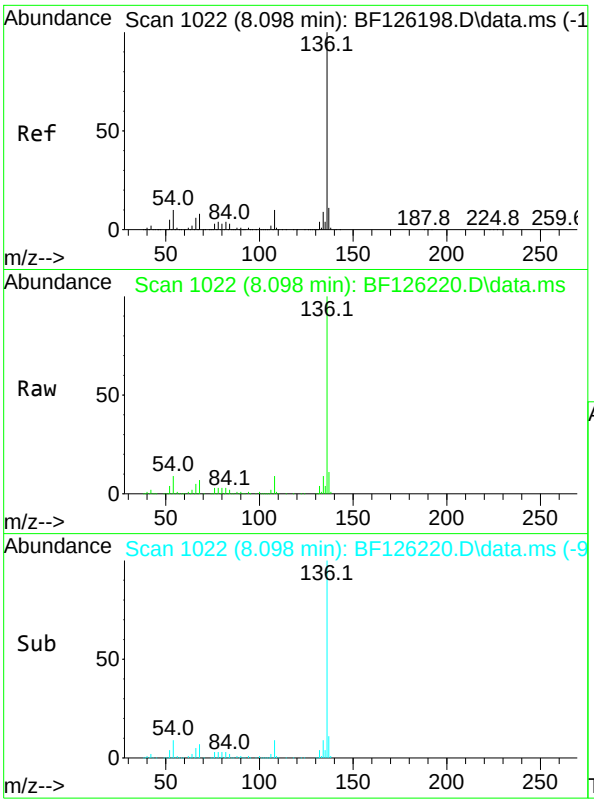


#10
Phenol
Concen: 2.223 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Tgt Ion: 94 Resp: 39941

Ion	Ratio	Lower	Upper
94	100		
65	30.5	9.3	49.3
66	44.0	20.3	60.3



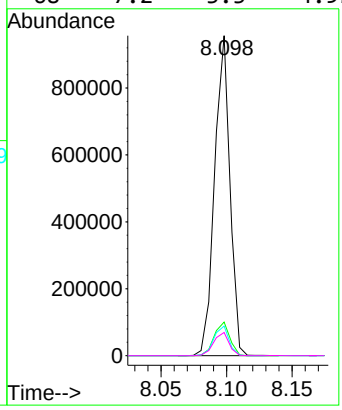


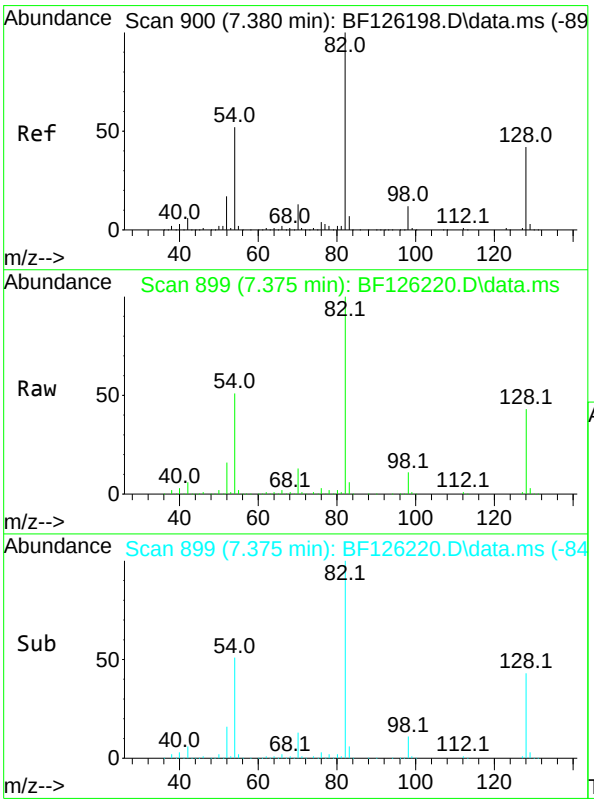
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion:136 Resp: 777146

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	9.2	6.4	9.6
68	7.2	3.3	4.9#

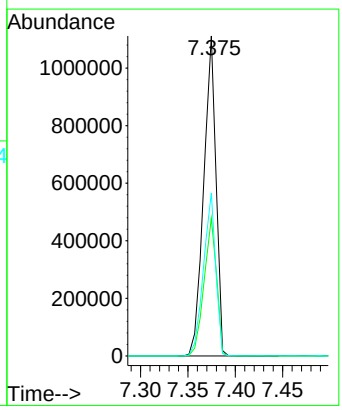


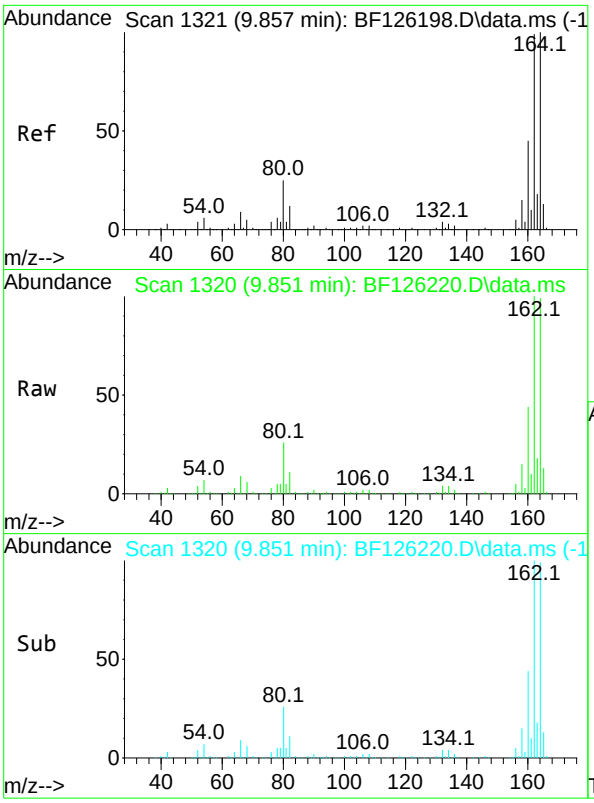


#23
Nitrobenzene-d5
Concen: 69.880 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Tgt Ion: 82 Resp: 1002730

Ion	Ratio	Lower	Upper
82	100		
128	43.0	40.6	60.8
54	50.9	49.6	74.4



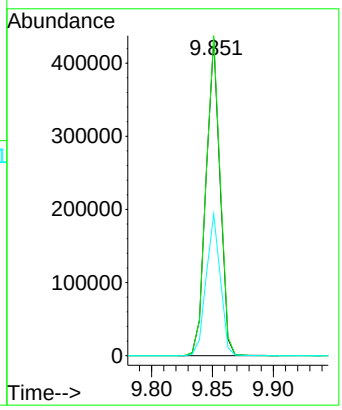


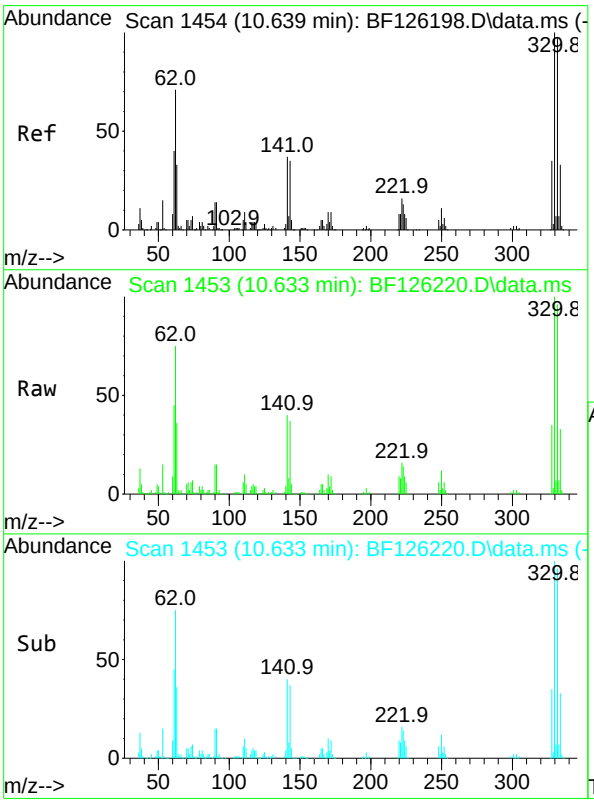
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion:164 Resp: 346758

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.3	121.9
160	44.7	38.0	57.0

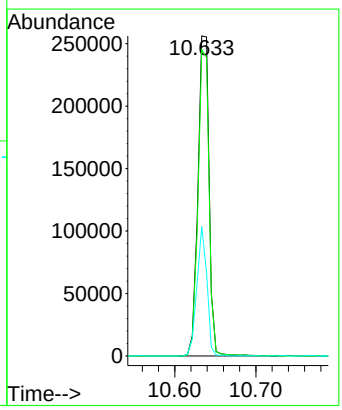


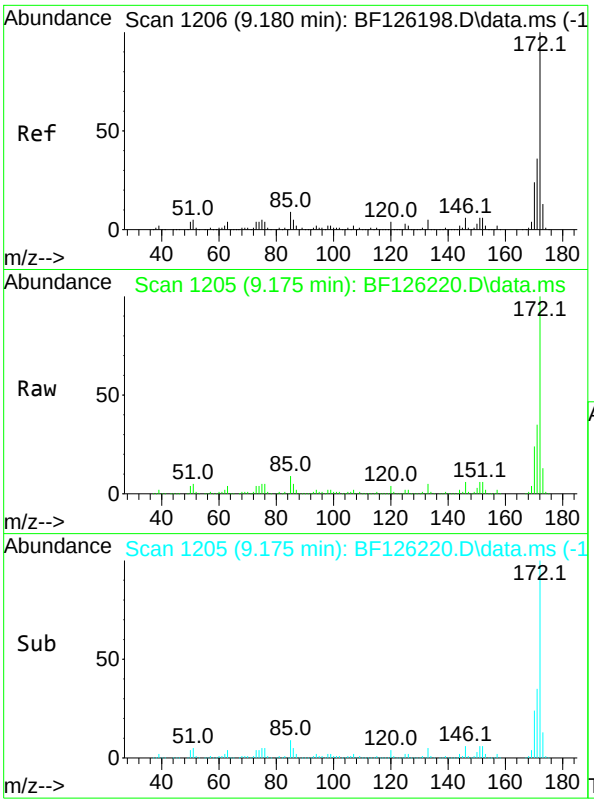


#42
2,4,6-Tribromophenol
Concen: 88.283 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Tgt Ion:330 Resp: 246019

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.2	114.4
141	36.3	44.6	66.8#



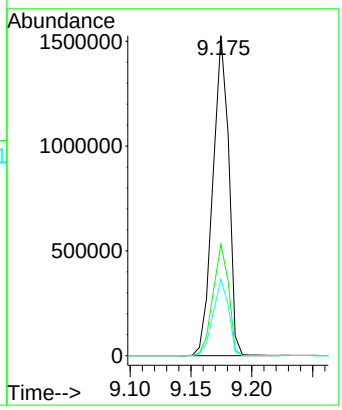


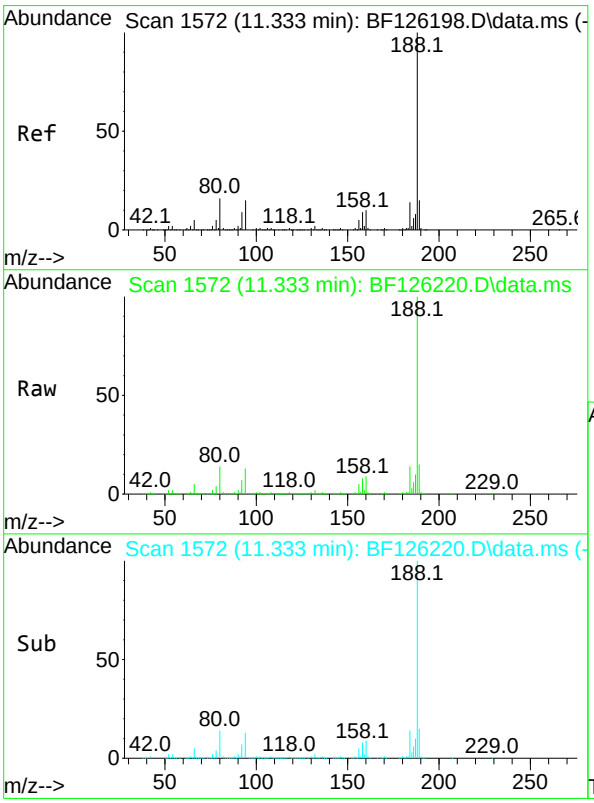
#45
2-Fluorobiphenyl
Concen: 70.050 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion:172 Resp: 1384956

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.5	39.7
170	23.9	18.8	28.2

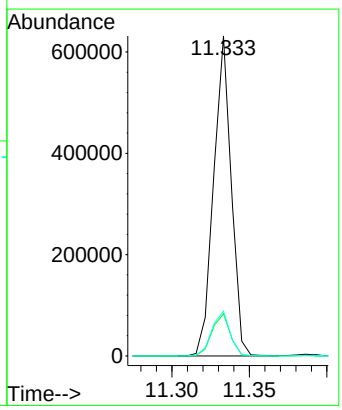


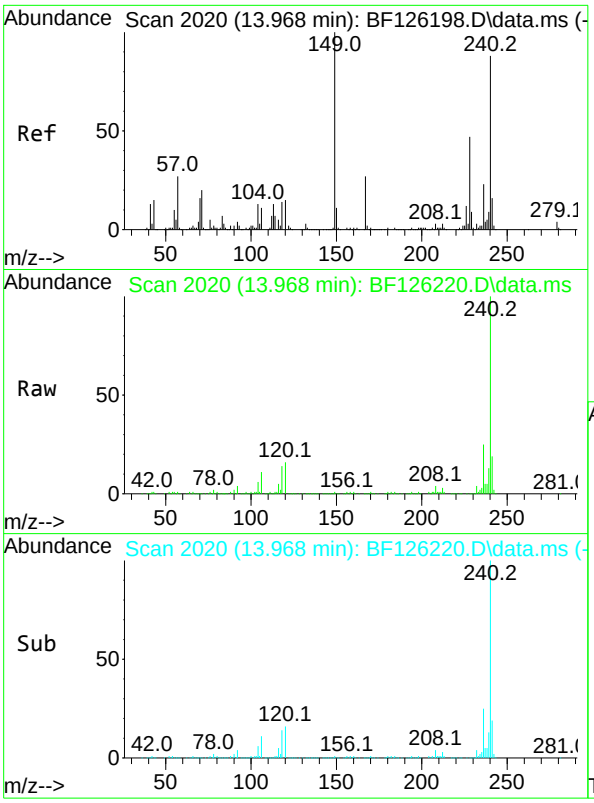


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Tgt Ion:188 Resp: 499428

Ion	Ratio	Lower	Upper
188	100		
94	13.2	6.7	10.1#
80	14.0	7.5	11.3#



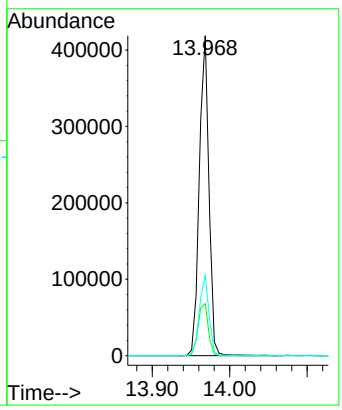


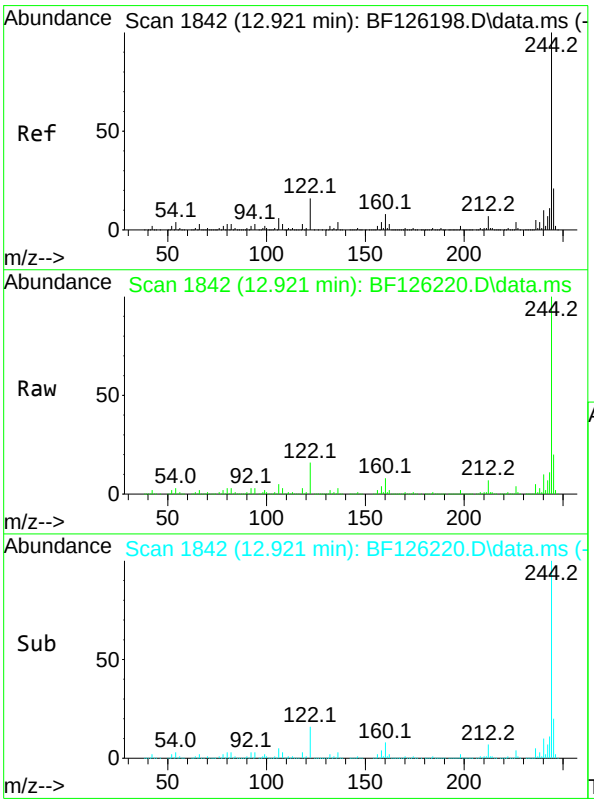
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion:240 Resp: 360344

Ion	Ratio	Lower	Upper
240	100		
120	16.3	10.8	16.2#
236	25.2	21.6	32.4

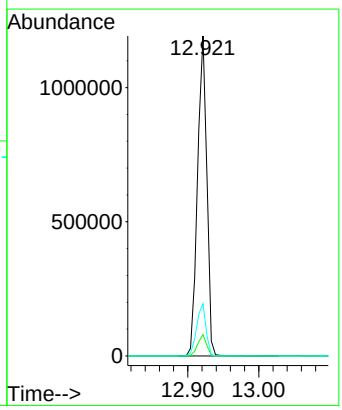


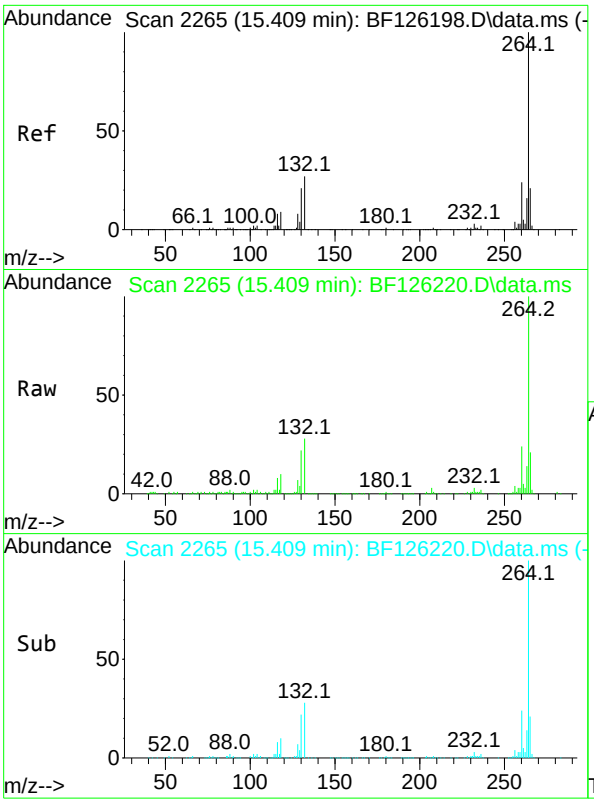


#79
Terphenyl-d14
Concen: 52.488 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Tgt Ion:244 Resp: 1088167

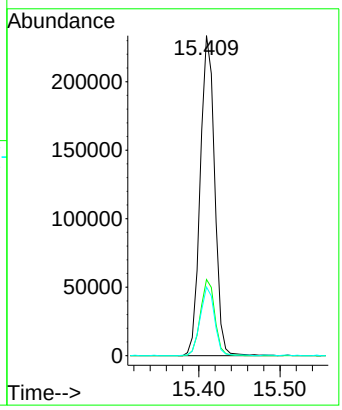
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	16.4	9.0	13.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF126220.D
Acq: 16 Dec 2021 19:45

Instrument :
BNA_F
ClientSampleId :
PH1-BOT-12

Tgt Ion:264 Resp: 287717

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.4	17.2	25.8